

Bibliography of Publications
Atlantic Geoscience Centre
Edition # 2 (*preprint*) Current to March 31, 1988
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Bibliography of Publications
by the Staff of the
Atlantic Geoscience Centre

Edition # 2

Current to March 31, 1988

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Introduction

This bibliography is a product of the Atlantic Geoscience Centre's (AGC's) Publication Data Base, a computerized system for tracking and reporting on publications of staff at AGC. This system has been used to produce this and the previous edition (Fricker, A. Samson, A. 1986.) of a comprehensive bibliography, to produce specialized bibliographies to document output from projects and to provide reports on the types of publications produced over time. It is the intention to publish new editions of this bibliography from time to time which will supersede all previous editions.

The Publications Data Base is maintained by the Atlantic Geoscience Centre and Biblio-Tech Ltd. under contract with AGC in cooperation with the National GEOSCAN Centre, Geological Survey of Canada in Ottawa, Ontario, Canada and the Department of Fisheries and Oceans Library at the Bedford Institute of Oceanography, Dartmouth, Nova Scotia, Canada.

The content of the data base used to produce this bibliography is summarized in Tables 1 and 2 and Figure 1. Details on the system concept and design has been described elsewhere. (Fricker, A. Samson, A. 1985.)

This bibliography supersedes any previously published bibliographies. (Fricker, A. Samson, A. 1986 and Sherin, A. G., Samson, A., Sutherland, J. E., Merchant, S. 1987.)

The list of publications are followed by two indices:

An author index with most author's affiliation.

Indices to projects relevant to the publications. These indices can be used somewhat like a subject index although the index is sorted by project number.

The Geological Survey of Canada has maintained a scientific project system for many years for the approval, tracking and administrative reporting of the organization's scientific effort. Each project is assigned a project number, is lead by a project leader and has a descriptive title.

Two numbering systems are in use for GSC projects.

The older system only contains information on the year the project was initiated. This two digit year designation is followed by and arbitrarily assigned four digit project number which is only unique in the year of project initiation. i.e. YPPPP example: 730056. The old system is presented here for the convenience of readers who may have some familiarity with it.

The new system, introduced in 1988 contains more information within the project number. The format of the new number is a three digit programme designation, followed by a two digit year designation and a two digit arbitrary project number. i.e. NNNYYPP example: 432 83 65

The meanings of the programme numbering for the new system is described in Table 3.

The Frontier Geoscience Programme, a special programme of the Geological Survey of Canada initiated in 1986 to increase Canada's geoscience knowledge in the frontier areas of Canada, has its own project management system and project numbering system. Any publication may be relevant to both a GSC project and a FGP project. There is a separate index to publications relevant to FGP projects, again sorted by project number.

The Department of Energy, Mines and Resources' Panel on Energy Research and Development has supported research at AGC primarily in the area of geotechnic related to hazards for offshore oil and gas development in the Beaufort Sea and on the east coast of Canada. A separate index on publications relevant to this research is provided.

This data base contains information which predates the formation of the Atlantic Geoscience Centre and its affiliation with the Geological Survey of Canada and the GSC's project management system or was published by staff before they joined AGC, therefore several publications have no project information associated with them.

The authors would appreciate any comments you might have on this bibliography so that future editions can be made more useful to you. Please address these comments to: Andrew Sherin, Manager, Data Section, Atlantic Geoscience Centre, P. O. Box 1006, Dartmouth, Nova Scotia, Canada, B2Y 4A2. If you find it useful, you can use one of the evaluation sheets included just in front of the back cover of this bibliography.

Table 1

Contents of AGC's Publication Data Base by Class

363	ABSTRACT
12	AUDIO-VISUAL
2	BOOK
6	BOOK REVIEW
46	CONFERENCE
61	CRUISE OR FIELD REPORT
5	DATA
31	INTERNAL REPORT
74	LITERATURE
12	MAP
1	MAPS
1908	NOT CLASSED YET *
157	OPEN FILE
2	POSTER
3	PROJECT REPORT
348	PUBLISHED PAPER

3031	TOTAL OCCURRENCES
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* represents publications prior to implementation of the data base and classification system.

Table 2

Contents of AGC's Publication Data Base by Status

OCCURRENCES	VALUE	
22	E	[included in previous bibliographies]
447	MS	[Manuscript, usual status before verification]
5	N/A	
436	P	[Preliminary, used for conference abstracts]
3	R	[Rejected]
71	S	[Superceded]
93	U	[Unpublished ie internal reports]
1869	V	[Published and verified]
85	X	[Never Published]

3031	TOTAL OCCURRENCES	

Table 3: Geological Survey of Canada Project Numbering System

Table 3.1 First digit (Division designation)

Number	Meaning
4	Atlantic Geoscience Centre

Table 3.2 Second digit (Subdivision designation)

Number	Meaning
0	Administration
1	Regional Reconnaissance
2	Environmental Marine Geology
3	Eastern Petroleum Geology
4	Program Support

Table 3.3 Third digit (Geographic area designation)

Number	Meaning
0	General (relevant to all or no geographic area)
1	Scotian Margin
2	Grand Banks Margin
3	Gulf of St. Lawrence
4	Labrador Sea
5	Baffin Bay
6	Hudson Bay
7	Arctic
8	Other Oceans
9	Appalachians

Table 3 (continued)

Table 3.4 Third digit (for Program Support only)

Number	Meaning
0	General
1	Field Support: Potential field
2	Field Support: Seismic
3	Field Support: Sampling
4	Data Management
5	Curation
6	Instrument Development

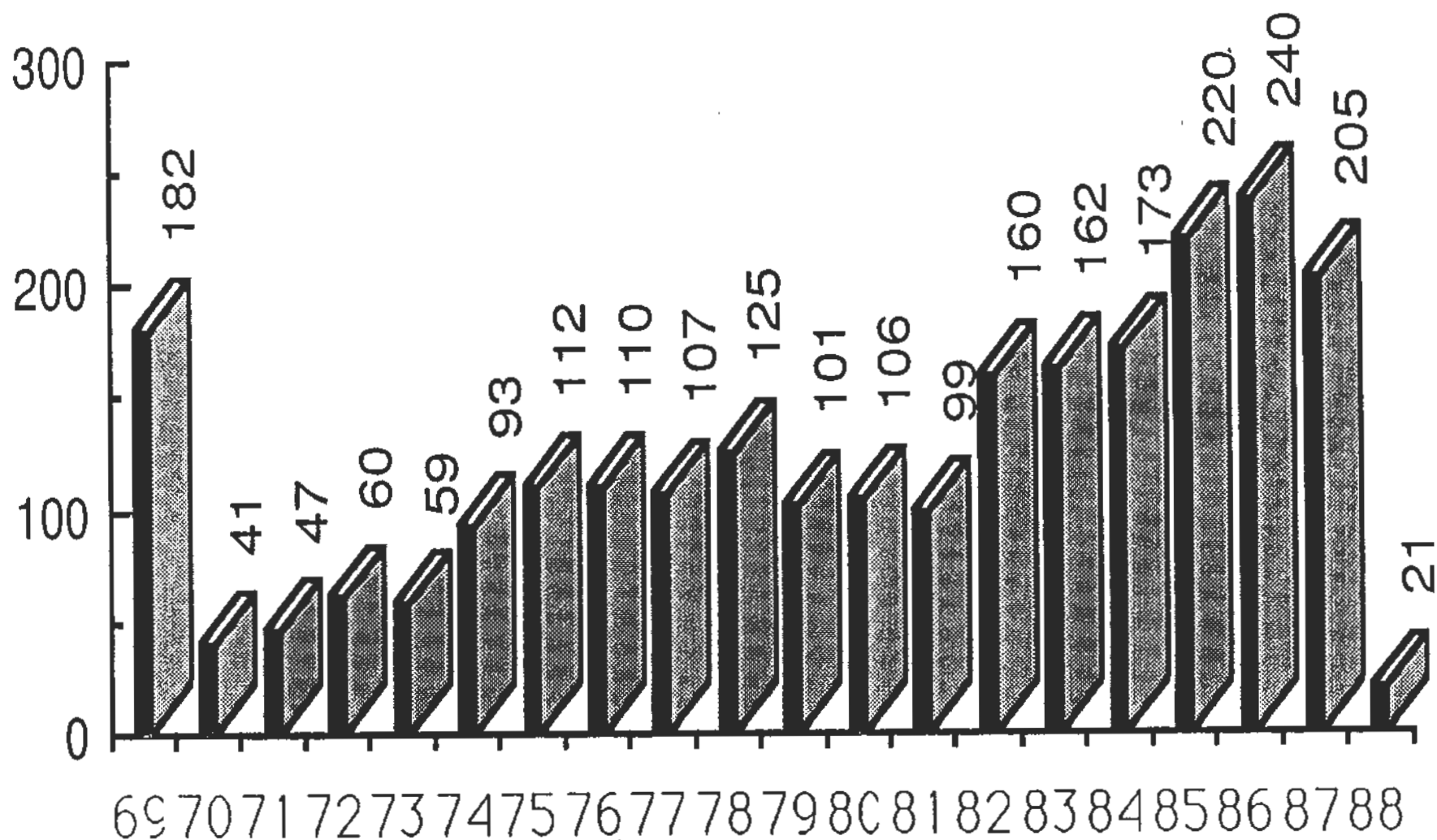


FIGURE 1: AGC PUBLICATIONS BY YEAR

Notes: 69 represents all publications pre-1970, data for 1988 incomplete

References

- Fricker, A., Samson, A. 1985. A simple computer-based solution to project bibliographies. In: Informatique et Sciences de l'Information: A la croisee des chemons; comptes rendus = Computer Science and Information Science: At the Crossroads; Proceedings of the Annual Conference (13th : 1985 : Montreal). Montreal: Association Canadienne des Sciences de Information = Canadian Association for Information Science. p. 97-106.
- Fricker, A., Samson, A. 1986. Bibliography of publications by staff of the Atlantic Geoscience Centre [Edition # 1] to December 1984. Canadian Data Report of Hydrography and Ocean Sciences 48. 326p.
- Sherin, A.G., Samson, A., Sutherland, J.E., Merchant, S. 1987. Bibliography of publications by staff of the Atlantic Geoscience Centre for the calendar year 1985. Geological Survey of Canada Open File 1443. 45p.

List of Publications

1

ADAMS, A.L., COMEAU, E.J., GRANT, A.C. 1966. HALIFAX HARBOUR TUNNEL FEASIBILITY STUDY. CANADIAN HYDROGRAPHIC SERVICE FIELD SHEETS 4139A, 4139B: 2 MAPS.

BATHYMETRIC DATA WERE OBTAINED IN A FEASIBILITY STUDY FOR A TUNNEL UNDER HALIFAX HARBOUR. THE FIELD SHEET PRESENTATION OF RESULTS INCLUDED TRACK PLOT, BATHYMETRIC CONTOURS, AND FOUR MAPS. THE MAPS WERE: (1) DEPTH TO BASE OF SOFT SURFACE MUD; (2) ISOPACH OF SOFT SURFACE MUD; (3) DEPTH TO BEDROCK; AND (4) ISOPACH OF UNCONSOLIDATED MATERIAL. A GEOLOGIC CROSS-SECTION WAS ALSO INCLUDED.

2

ADAMS, J., BELL, J.S. 1987. CANADIAN CONTRIBUTIONS TO THE WORLD STRESS MAP [ABSTRACT]. IN: INTERNATIONAL UNION OF GEODESY AND GEOPHYSICS GENERAL ASSEMBLY (19TH: 1987: VANCOUVER), ABSTRACTS. INTERNATIONAL UNION OF GEODESY AND GEOPHYSICS (IUGG). P.1117.

CANADIAN STRESS DATA ARE COMPILED ON A MAP ILLUSTRATING STRESS PROVINCES. DATA DERIVED FROM BREAKOUTS, HYDROFRACTURING, EARTHQUAKE FOCAL MECHANISMS, DIRECT STRESS MEASUREMENTS AND GEOLOGICAL EVIDENCE.

3

ADAMS, J., BELL, J.S. 1987. CANADIAN CRUSTAL STRESSES - REGIONAL FIELDS AND LOCAL ANOMALIES [ABSTRACT]. IN: INTERNATIONAL UNION OF GEODESY AND GEOPHYSICS GENERAL ASSEMBLY (19TH: 1987: VANCOUVER), ABSTRACTS. INTERNATIONAL UNION OF GEODESY AND GEOPHYSICS (IUGG). P.1113.

STRESS PROVINCES AND ANOMALOUS REGIONS ARE HIGHLIGHTED, INCLUDING MID-PLATE EARTHQUAKE ZONES AND REGIONS AFFECTED BY RECENT GLACIAL UNLOADING.

4

AGTERBERG, F.P., GRADSTEIN, F.M. 1981. GEOMATHEMATICAL MODEL FOR THE RANKING AND SCALING OF STRATIGRAPHIC EVENTS [ABSTRACT]. GEOLOGICAL ASSOCIATION OF CANADA ANNUAL MEETING ABSTRACTS 6: A1.

5

AGTERBERG, F.P., GRADSTEIN, F.M. 1981. WORKSHOP ON QUANTITATIVE STRATIGRAPHIC CORRELATION TECHNIQUES: OTTAWA, FEBRUARY 1980. JOURNAL OF THE INTERNATIONAL ASSOCIATION FOR MATHEMATICAL GEOLOGY 13(1): 81-91.

REVIEW OF EIGHT LECTURES AND ACCOMPLISHMENTS AND OUTLINE OF FUTURE RESEARCH.

6

AGTERBERG, F.P., GRADSTEIN, F.M. 1983. SYSTEM OF INTERACTIVE COMPUTER PROGRAMS FOR QUANTITATIVE STRATIGRAPHIC CORRELATION. GEOLOGICAL SURVEY OF CANADA PAPER 83-1A: 83-87.

INTRODUCTION OF NEW METHOD FOR SUBSIDENCE HISTORY OF WELLS AND THEIR CORRELATION USING RASC FOLLOWED BY SPLINE FUNCTION INTERPOLATION MARRIED TO NEW DEPTH FILE.

7
 AGIERBERG, F.P., GRADSTEIN, F.M. 1983. SYSTEM OF INTERACTIVE COMPUTER PROGRAMS FOR QUANTITATIVE STRATIGRAPHIC CORRELATION [ABSTRACT]. GEOLOGICAL SURVEY OF CANADA PAPER 83-8: 4-5.

8
 AGIERBERG, F.P., GRADSTEIN, F.M., LEW, S.N., THOMAS, F.C. 1985. NINE DATA BASES WITH APPLICATIONS OF RANKING AND SCALING OF STRATIGRAPHIC EVENTS. IN: QUANTITATIVE STRATIGRAPHY, BY F.M. GRADSTEIN, F.P. AGIERBERG, J.C. BROWER [AND] W.S. SCHWARZACHER. DORDRECHT: D. REIDEL; PARIS: UNESCO. P.473-564.

9
 AGIERBERG, F.P., OLIVER, J., LEW, S.N., GRADSTEIN, F.M., WILLIAMSON, M.A. 1985. CASC FORTRAN IV INTERACTIVE COMPUTER PROGRAM FOR CORRELATION AND SCALING IN TIME OF BIOSTRATIGRAPHIC EVENTS. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1179. 139P. & 2 DISKETTES.

10
 AKSU, A.E., MACKO, S.A., MUDIE, P.J. 1986. PALEOCLIMATIC AND PALEOCEANOGRAPHIC HISTORY OF THE LABRADOR SEA [ABSTRACT]. GEOLOGICAL SOCIETY OF AMERICA, ABSTRACTS WITH PROGRAMS 18(6): 523.

11
 AKSU, A.E., MUDIE, P.J. 1984. PLANKTONIC FORAMINIFERAL, PALYNOLOGICAL AND OXYGEN ISOTOPIC STRATIGRAPHY OF CESAR 83-102 AND 83-103: A 1-MA RECORD OF ARCTIC OCEAN CLIMATE [ABSTRACT]. IN: JOINT PROGRAMME WITH ABSTRACTS; ANNUAL CONGRESS, CANADIAN METEOROLOGICAL AND OCEANOGRAPHIC SOCIETY (18TH: 1984: HALIFAX, N.S.) [AND] ANNUAL MEETING, CANADIAN GEOPHYSICAL UNION (11TH: 1984: HALIFAX, N.S.) = PROGRAMME CONJOINT AVEC RESUMES; CONGRES ANNUEL, SOCIETE CANADIENNE DE METEOROLOGIE ET D'OCEANOGRAPHIE (18E: 1984: HALIFAX, N.-E.) [ET] REUNION ANNUELLE, L'UNION CANADIENNE DE GEOPHYSIQUE (11E: 1984: HALIFAX, N.-E.), ED., E.J. TRUHLAR. HALIFAX: THE CONFERENCE. P.61.

12
 AKSU, A.E., MUDIE, P.J. 1985. LATE QUATERNARY STRATIGRAPHY AND PALEOECOLOGY OF NORTHWEST LABRADOR SEA. MARINE MICROPALAEONTOLOGY 9(6): 537-557.

LITHOFACIES IN 20 CORES FROM NW LABRADOR SEA ARE DESCRIBED AND CORRELATED. OXYGEN ISOTOPES, CALCAREOUS AND SILICEOUS MICROFOSSILS, POLLEN AND DINOFLAGELLATES ARE USED TO CONSTRUCT A MODEL OF GLACIAL-INTERGLACIAL CHANGES IN OCEAN-ATMOSPHERE CIRCULATION DURING THE PAST 300,000 YEARS (SINCE ISOTOPIC STAGE 9).

13

- AKSU, A.E., MUDIE, P.J. 1985. MAGNETOSTRATIGRAPHY AND PALYNOLOGY DEMONSTRATE AT LEAST 4 MILLION YEARS OF ARCTIC OCEAN SEDIMENTATION. NATURE (LONDON) 318(6043): 280-283.

DETAILED PALEOMAGNETIC AND PALYNOLOGICAL STUDIES OF 3 CORES FROM THE ALPHA RIDGE, CENTRAL ARCTIC OCEAN SHOW RECORDS THAT CAN BE CORRELATED WITH STANDARD MAGNETOCHRONOLOGIES FOR THE BURNEZ, MATURAGA GAUSS AND GILBERT MAGNETOCHRONS AND ARE INDEPENDENTLY DATED BY THE FIRST AND LAST OCCURRENCES OF DINOCYSTS AND POLLEN WITH KNOWN STRATIGRAPHIC AGE RANGES. TAMS RADIOCARBON DATES CONFIRM SEDIMENTATION RATE OF CA. 1MM/1000 YRS FOR THE PAST 4.25 MA.

14

- AKSU, A.E., MUDIE, P.J., MACKO, S. 1986. UPPER CENOZOIC PALEOCLIMATIC-OCEANOGRAPHIC HISTORY OF N. LABRADOR SEA, BAFFIN BAY AND THE ARCTIC OCEAN [ABSTRACT]. IN: INTERNATIONAL CONFERENCE ON PALEOCEANOGRAPHY (2ND: 1986: WOODS HOLE, MASS.). [WOODS HOLE, MASS: THE CONFERENCE].

PALEOENVIRONMENTAL RECORDS OF PLANKTONIC FORAMINIFERA, STABLE ISOTOPES AND PALYNOFORMS IN CORES FROM N. LABRADOR SEA TO THE ARCTIC OCEAN ARE COMPARED WITH DATA FROM THE EASTERN NORTH ATLANTIC, LABRADOR SEA RECORDS ARE SIMILAR TO THE N. ATLANTIC BUT THE RECORDS FROM THE HIGH LATITUDE SMALL OCEAN BASINS SHOW ANOMALIES WHICH SUGGEST DISEQUILIBRIUM WITH THE GLOBAL OCEANS.

15

- AKSU, A.E., PIPER, D.J.W., KONUK, T. 1987. LATE QUATERNARY TECTONIC AND SEDIMENTARY HISTORY OF OUTER IZMIR AND CANDARLI BAYS, WESTERN TURKEY. MARINE GEOLOGY 76: 89-104. (GSC CONTRIBUTION NO. 11986)

STACKED PROGRADED DELTAS IN WESTERN TURKEY CAN BE RELATED TO GLACIALLY LOWERED SEA LEVEL STANDS.

16

- AKSU, A.E., PIPER, D.J.W. 1979. BAFFIN BAY IN THE PAST 100,000 YR. GEOLOGY 7(5): 245-248.

17

- AKSU, A.E., PIPER, D.J.W. 1983. PROGRADATION OF THE LATE QUATERNARY GEDIZ DELTA, TURKEY. MARINE GEOLOGY 54(1): 1-25.

18

- AKSU, A.E., PIPER, D.J.W. 1987. LATE QUATERNARY SEDIMENTATION IN BAFFIN BAY. CANADIAN JOURNAL OF EARTH SCIENCES 24: 1833-1846.

SIX SEDIMENT FACIES ARE DISTINGUISHED IN LATER QUATERNARY SEDIMENTS OF BAFFIN BAY. TURBIDITES DERIVED FROM SLUMPING OF CONTINENTAL SLOPE PRO-GLACIAL SEDIMENT PREDOMINATE IN GLACIAL STAGES; DURING DEGLACIATION, ICE RAFTED SEDIMENTS DERIVED FROM NORTH-WESTERN BAFFIN BAY PREDOMINATE. HEMIPELAGIC SEDIMENTS ACCUMULATE DURING INTERGLACIALS.

- 19
AKSU, A.E., PIPER, D.J.W., KONUK, T. 1987. QUATERNARY GROWTH PATTERNS OF BUYUK MENDERES AND KUCUK MENDERES DELTAS, WESTERN TURKEY. SEDIMENTARY GEOLOGY 52: 227-250. (GSC CONTRIBUTION NO.29486)

DELTA GROWTH IS CONTROLLED LARGELY BY SEA LEVEL CHANGES. DELTA PROGRADATION IS FLUVIALLY DOMINATED AFTER MAJOR TRANSGRESSIONS, AND THEN BECOMES MORE DOMINATED AS PROGRADATION PROCEEDS.

- 20
ALAM, M., PIPER, D.J.W. 1977. PRE-WISCONSIN STRATIGRAPHY AND PALEOCLIMATES OFF ATLANTIC CANADA, AND ITS BEARING ON GLACIATION IN QUEBEC. GEOGRAPHIE PHYSIQUE ET QUATERNAIRE 31(1/2): 15-22.

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ALAM, M., PIPER, D.J.W. 1981. DETRITAL MINERALOGY OF DEEP-WATER CONTINENTAL MARGIN OFF NEWFOUNDLAND. CANADIAN JOURNAL OF EARTH SCIENCES 18(8): 1336-1345.

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ALAM, M., PIPER, D.J.W., COOKE, B.S. 1983. LATE QUATERNARY STRATIGRAPHY AND PALEO-OCEANOGRAPHY OF THE GRAND BANKS CONTINENTAL MARGIN, EASTERN CANADA. BOREAS 12: 253-261.

- 23
AMOS, C.L. 1976. COASTAL RESEARCH IN NORTH AMERICA (1974/75): A REVIEW OF SOME OF THE RESEARCH CENTRES. BEDFORD INSTITUTE OF OCEANOGRAPHY REPORT SERIES BI-R-76-12. 50P.

- 24
AMOS, C.L. 1976. SUSPENDED SEDIMENT ANALYSIS OF SEAWATER USING LANDSAT IMAGERY, MINAS BASIN, NOVA SCOTIA. GEOLOGICAL SURVEY OF CANADA PAPER 76-1C: 55-60.

- 25
AMOS, C.L. 1977. AN HYPOTHESIS ON THE EVOLUTION OF THE TIDES IN THE BAY OF FUNDY. GEOLOGICAL SURVEY OF CANADA PAPER 77-1B: 47-48.

FIVE VIERCOORES TAKEN IN THE MINAS BASIN, HAVE SHOWN THAT THE TIDES IN THE BAY OF FUNDY HAVE BEEN INCREASING PROGRESSIVELY OVER THE LAST 5000 YEARS.

- 26
AMOS, C.L. 1977. EFFECTS OF TIDAL POWER STRUCTURES ON SEDIMENT TRANSPORT AND LOADING IN THE BAY OF FUNDY-GULF OF MAINE SYSTEM. IN: FUNDY TIDAL POWER AND THE ENVIRONMENT: PROCEEDINGS OF A WORKSHOP ON THE IMPLICATIONS OF FUNDY TIDAL POWER (1976: WOLFVILLE, N.S.), ED., G.R. DABORN. WOLFVILLE, N.S.: ACADIA UNIVERSITY INSTITUTE. P.233-253.

- 27
AMOS, C.L. 1977. SEDIMENTARY STUDIES IN THE MINAS BASIN, BAY OF FUNDY. NORTHERN MINER 63(37): 21-22.

- 28
AMOS, C.L. 1978. THE POSTGLACIAL EVOLUTION OF THE MINAS BASIN, N.S. - A
SEDIMENTOLOGICAL INTERPRETATION. JOURNAL OF SEDIMENTARY PETROLOGY 48(3):
965-981. (BIO CONTRIBUTION NO. 717)
- 29
AMOS, C.L. 1980. PHYSICAL PROCESSES AND SEDIMENTATION IN THE BAY OF FUNDY. IN:
SEDIMENTARY PROCESSES AND ANIMAL-SEDIMENT RELATIONSHIPS IN TIDAL
ENVIRONMENTS, ED., S.B. MCCANN. HALIFAX: GEOLOGICAL ASSOCIATION OF CANADA.
P.95-132. (GEOLOGICAL ASSOCIATION OF CANADA SHORT COURSE NOTES 1)
- 30
AMOS, C.L. 1983. A NEW SEDIMENTARY STRUCTURE - A MUD ESKER! [PHOTOGRAPH].
JOURNAL OF SEDIMENTARY PETROLOGY 53(2): 370.
- 31
AMOS, C.L. 1984. AN OVERVIEW OF SEDIMENTOLOGICAL RESEARCH IN THE BAY OF FUNDY.
IN: UPDATE OF THE MARINE ENVIRONMENTAL CONSEQUENCES OF TIDAL POWER
DEVELOPMENT IN THE UPPER REACHES OF THE BAY OF FUNDY; PROCEEDINGS OF A
WORKSHOP (1982: UNIVERSITE DE MONCTON, MONCTON, N.B.), ED., D.C. GORDON,
JR., AND M.J. DADSWELL. CANADIAN TECHNICAL REPORT OF FISHERIES AND
AQUATIC SCIENCES 1256: 31-43.
- 32
AMOS, C.L. 1984. SEDIMENT DISPERSAL ON SABLE ISLAND BANK, SCOTIAN SHELF - A
STORM DOMINATED SHELF ENVIRONMENT [ABSTRACT]. IN: SEDIMENTOLOGY OF SHELF
SANDS AND SANDSTONES; PROGRAM AND ABSTRACTS (1984: CALGARY). CALGARY:
[THE SYMPOSIUM]. P.23.
- 33
AMOS, C.L. 1984. THE SEDIMENT BUDGET OF CHIGNECTO BAY - A MACROTIDAL ESTUARY,
BAY OF FUNDY, CANADA [ABSTRACT]. ECS; TRANSACTIONS, AMERICAN GEOPHYSICAL
UNION 65(16): 218.
- 34
AMOS, C.L. 1984. THE SEDIMENTATION EFFECT OF TIDAL POWER DEVELOPMENT IN THE
MINAS BASIN, BAY OF FUNDY. IN: UPDATE OF THE MARINE ENVIRONMENTAL
CONSEQUENCES OF TIDAL POWER DEVELOPMENT IN THE UPPER REACHES OF THE BAY
OF FUNDY; PROCEEDINGS OF A WORKSHOP (1982: UNIVERSITE DE MONCTON, MONCTON,
N.B.), ED., D.C. GORDON, JR., AND M.J. DADSWELL. CANADIAN TECHNICAL
REPORT OF FISHERIES AND AQUATIC SCIENCES 1256: 385-402.
- 35
AMOS, C.L. 1985. BOTTOM PHOTOGRAPHY AND SEDIMENT ANALYSES ON CESAR. IN:
INITIAL GEOLOGICAL REPORT ON CESAR - THE CANADIAN EXPEDITION TO STUDY THE
ALPHA RIDGE, ARCTIC OCEAN, ED., H.R. JACKSON, P.J. MUDIE, AND S.M. BLASCO.
GEOLOGICAL SURVEY OF CANADA PAPER 84-22: 25-45.
- 36
AMOS, C.L. 1986. THE TRANSPORT AND DEPOSITION OF FINE-GRAINED SEDIMENTS IN
CHIGNECTO BAY, BAY OF FUNDY [ABSTRACT]. IN: THE DYNAMICS OF TURBID
COASTAL ENVIRONMENTS; ESTUARINE AND BRACKISH-WATER SCIENCES ASSOCIATION
SYMPOSIUM (16TH: 1986: PLYMOUTH, UK); PROGRAMME AND ABSTRACTS. PLYMOUTH:

ESTUARINE AND BRACKISH-WATER SCIENCES ASSOCIATION. P.1-2.

THIS ABSTRACT REVIEWS THE RESULTS OF 6 CRUISES TO CHIGNECTO BAY AND SYNTHESISED IN A BIO INTERNAL REPORT.

37

AMOS, C.L. 1987. COASTAL AND ESTUARINE SEDIMENT DYNAMICS, BY KEITH R. DYER [BOOK REVIEW]. SEDIMENTOLOGY 34(3): 524-525.

A BRIEF REVIEW IS GIVEN OF THIS NEW TEXT BOOK ON THE DYNAMICS OF SEDIMENT TRANSPORT. THE BOOK IS AN EXCELLENT CONTRIBUTION AND REVIEWS CURRENT RESEARCH IN THE UK.

38

AMOS, C.L. 1987. FINE-GRAINED SEDIMENT TRANSPORT IN CHIGNECTO BAY, BAY OF FUNDY, CANADA. IN: DYNAMICS OF TURBID COASTAL ENVIRONMENTS, UNCLES, R.J. (ED.). CONTINENTAL SHELF RESEARCH 7(11/12): 1295-1300. (GEOLOGICAL SURVEY OF CANADA CONTRIBUTION 30086).

THIS PAPER DESCRIBES MEASUREMENTS OF SUSPENDED SEDIMENT FLUX IN CHIGNECTO BAY BASED ON 7 DAWSON CRUISES. ALSO REVIEWED ARE THE SOURCES AND SINKS OF OF SEDIMENT. ERRORS IN METHODS AND THE INFLUENCES OF STORMS ARE ALSO DISCUSSED.

39

AMOS, C.L., ALFOLDI, T.T. 1979. THE DETERMINATION OF SUSPENDED SEDIMENT CONCENTRATION IN A MACRO TIDAL SYSTEM USING LANDSAT DATA. JOURNAL OF SEDIMENTARY PETROLOGY 49(1): 159-173.

40

AMOS, C.L. 1979. COLSTON PAPERS 30: .

THIS PAPER REVIEWS WORK BEING CARRIED OUT IN MINAS BASIN TO STUDY THE IMPACT OF TIDAL POWER DEVELOPMENT IN THE BAY OF FUNDY.

41

AMOS, C.L., ASPREY, K.W. 1979. GEOPHYSICAL AND SEDIMENTARY STUDIES IN THE CHIGNECTO BAY SYSTEM, BAY OF FUNDY - A PROGRESS REPORT. GEOLOGICAL SURVEY OF CANADA PAPER 79-1B: 245-252.

42

AMOS, C.L., ASPREY, K.W. 1981. AN INTERPRETATION OF OCEANOGRAPHIC AND SEDIMENT DATA FROM THE UPPER BAY OF FUNDY. BEDFORD INSTITUTE OF OCEANOGRAPHY REPORT SERIES BI-R-81-15. 143P.

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AMOS, C.L., ASPREY, K.W., RODGERS, N.A. 1981. THE BEDFORD INSTITUTE SEDIMENTATION TUBE - B.I.S.T. BEDFORD INSTITUTE OF OCEANOGRAPHY REPORT SERIES BI-R-81-14. 60P.

THE BEDFORD INSTITUTE SEDIMENTATION TUBE - B.I.S.T. MAY GIVE A RAPID, MORE ACCURATE ANALYSIS OF SAND MATERIAL, A GOOD ALTERNATIVE TO SIEVING.

44

AMOS, C.L., BARRIE, J.V. 1985. THE FREQUENCY OF ICE SCOURING OF THE NORTHEASTERN GRAND BANKS OF NEWFOUNDLAND USING THE INTERRELATIONSHIP OF SCOURS AND BEDFORM MIGRATION [ABSTRACT]. IN: WORKSHOP ON ICE SCOURING (1982: MONTEBELLO, PQ), ED., R. PILKINGTON. OTTAWA: NATIONAL RESEARCH COUNCIL OF CANADA. P.220-221. (NATIONAL RESEARCH COUNCIL (CANADA). ASSOCIATE COMMITTEE ON GEOTECHNICAL RESEARCH). TECHNICAL MEMORANDUM NO.136)

45

AMOS, C.L., BUCKLEY, D.E., DABORN, G.R., DALRYMPLE, R.W., MCCANN, S.B., RISK, M.J. 1980. GEOMORPHOLOGY AND SEDIMENTOLOGY OF THE BAY OF FUNDY. HALIFAX '80: GEOLOGICAL ASSOCIATION OF CANADA MINERALOGICAL ASSOCIATION OF CANADA JOINT ANNUAL MEETING, FIELD TRIP GUIDEBOOK 23. 82P.

DESCRIPTIONS OF GEOMORPHIC AND SEDIMENTOLOGICAL FEATURES OF THE UPPER REACHES OF THE BAY OF FUNDY ARE DESCRIBED ALONG WITH INTERPRETATIONS OF QUATERNARY PROCESSES THAT HAVE LEAD TO PRESENT CONDITIONS: 11 FIELD STOP LOCATIONS ARE DESCRIBED.

46

AMOS, C.L., COLLINS, M.B. 1978. THE COMBINED EFFECTS OF WAVE MOTION AND TIDAL CURRENTS ON THE MORPHOLOGY OF INTERTIDAL RIPPLE MARKS: THE WASH, U.K. JOURNAL OF SEDIMENTARY PETROLOGY 48(3): 849-856. (BIO CONTRIBUTION NO. 749).

47

AMOS, C.L., GREENBERG, D.A. 1980. THE SIMULATION OF SUSPENDED PARTICULATE MATTER IN THE MINAS BASIN, BAY OF FUNDY - A REGION OF POTENTIAL TIDAL POWER DEVELOPMENT. IN: CANADIAN COASTAL CONFERENCE, PROCEEDINGS = COMPTES-RENDUS, CONFERENCE CANADIENNE SUR LE LITTORAL (1980: BURLINGTON, ONT.). OTTAWA: ASSOCIATE COMMITTEE FOR RESEARCH ON SHORELINE EROSION AND SEDIMENTATION, NATIONAL RESEARCH COUNCIL. P.2-20.

48

AMOS, C.L., HODGINS, D.O., DRAPEAU, G., LONG, B.F.N. 1985. SAND TRANSPORT MEASUREMENTS AROUND SABLE ISLAND - A SHELF EDGE, TIDAL ENVIRONMENT. IN: SYMPOSIUM ON MODERN AND ANCIENT CLASTIC TIDAL DEPOSITS (1985: UTRECHT). UTRECHT, THE NETHERLANDS: UNIVERSITY OF UTRECHT. P.19-22.

THIS PAPER REVIEWS THE RESULTS TO DATE OF THE ESRF TRACER EXPERIMENT. THE DETECTIONS WERE SUCCESSFULL, SHOWING NET MOVEMENT AT VENTURE OF ABOUT 10M MONTH. THE MATERIAL AT OLYMPIA (COARSE SAND) APPEARS NOT TO BE MOVING.

49

AMOS, C.L., JOICE, G.H.E. 1977. THE SEDIMENT BUDGET OF THE MINAS BASIN, BAY OF FUNDY, NOVA SCOTIA. BEDFORD INSTITUTE OF OCEANOGRAPHY DATA SERIES BI-D-77-3. 411P.

THE ORIGINS, TRANSPORT PATHS, AND DEPOSITION SITES OF SEDIMENTS FOUND IN MINAS BASIN HAVE BEEN STUDIED AS A DATA BASE TO THE DETERMINATION OF THE POSSIBLE EFFECTS OF A TIDAL BARRAGE ON THE SEDIMENT DISTRIBUTION AT THE

HEAD OF THE BAY OF FUNDY.

- 50
 AMOS, C.L., KING, E.L. 1984. BEDFORMS OF THE CANADIAN EASTERN SEABOARD: A COMPARISON WITH GLOBAL OCCURRENCES. IN: SEDIMENTATION ON HIGH-LATITUDE CONTINENTAL SHELVES, ED., B.D. BORNHOLD AND A. GUILCHER. MARINE GEOLOGY 57(1/4): 167-208.

- 51
 AMOS, C.L., KNOLL, R.G. 1987. THE QUATERNARY SEDIMENTS OF BANQUEREAU, SCOTIAN SHELF. GEOLOGICAL SOCIETY OF AMERICA BULLETIN 99(2): 244-260. (GEOLOGICAL SURVEY OF CANADA CONTRIBUTION 12086)

THIS PAPER DESCRIBES THE LITHOLOGY, STRATIGRAPHY AND STRUCTURE OF THE UPPER PART OF THE QUATERNARY SEQUENCE OF BANQUEREAU. BOREHOLE SAMPLES ARE CORRELATED WITH SEISMICS TO DEVELOP A DEPOSITIONAL MODEL WHICH IS COMPARED TO THE SHANNON SANDSTONE OF WYOMING: A RESERVOIR ROCK

- 52
 AMOS, C.L., LONG, B.F. 1978. THE SEDIMENTARY CHARACTER OF THE MINAS BASIN SYSTEM, BAY OF FUNDY [ABSTRACT]. MARITIME SEDIMENTS 14(1): 38-39.

- 53
 AMOS, C.L., LONG, B.F.N. 1980. THE SEDIMENTARY CHARACTER OF THE MINAS BASIN, BAY OF FUNDY. IN: THE COASTLINE OF CANADA, ED., S.B. MCCANN. GEOLOGICAL SURVEY OF CANADA PAPER 80-10: 123-152.

- 54
 AMOS, C.L., MORAN, K. 1986. SABLE ISLAND GEOLOGICAL/GEOTECHNICAL BOREHOLE SITE SELECTION. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1341: 23P.

THIS REPORT REVISIONS CURRENT THINKING ON THE QUATERNARY SECTION OF SABLE ISLAND BANK AND IDENTIFIES SITES SUITABLE FOR CORING THAT WOULD ANSWER QUESTIONS RELATED TO THE GLACIAL AND POST-GLACIAL HISTORY OF THE REGION.

- 55
 AMOS, C.L., MOSHER, D.C. 1985. EROSION AND DEPOSITION OF FINE-GRAINED SEDIMENTS FROM THE BAY OF FUNDY. SEDIMENTOLOGY 32(6): 815-832.

THIS PAPER REVIEWS THREE STUDIES ON THE EROSION SETTLING RATE AND DEPOSITION OF FINE GRAINED SEDIMENT FROM THE MINAS BASIN. THE RESULTS SHOW THAT THE CONSTANTS AND COEFFICIENTS USED IN NUMERIC SIMULATION ARE CORRECT FOR THE DEPOSITIONAL PHASE, BUT WRONG FOR THE EROSIONAL PHASE. INTERTIDAL SEDIMENTS ARE UP TO 80 TIMES MORE RESISTANT TO EROSION THAN HITHERTO CONSIDERED.

- 56
 AMOS, C.L., TAYLOR, B.B. 1987. SEDIMENT STABILITY MONITORING - COHASSETT SITE A-52. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1423: 28P.

THIS REPORT DOCUMENTS ACTIVITIES AND INITIAL FINDINGS OF A SEDIMENTS STABILITY STUDY CARRIED OUT ABOARD THE JACK-UP RIG ROWEN GORILLA 1. THE STUDY WAS UNDERTAKEN WITH PETRO-CANADA AT THE COHASSETT A-52 EXPLORATION

SITE, SABLE ISLAND BANK.

57

AMOS, C.L., TOPLISS, B.J. 1985. DISCRIMINATION OF SUSPENDED PARTICULATE MATTER IN THE BAY OF FUNDY USING THE NIMBUS 7 COASTAL ZONE COLOR SCANNER. CANADIAN JOURNAL OF REMOTE SENSING 11(1): 85-92.

58

AMOS, C.L., VAN WAGGONER, N.A., DABORN, G.C. 1987. THE RELATIONSHIP BETWEEN BULK PROPERTIES OF FINE-GRAINED, LITTORAL SEDIMENT FROM MINAS BASIN, BAY OF FUNDY AND THEIR DISTRIBUTION. IN: CANADIAN COASTAL CONFERENCE (1987: QUEBEC), PROCEEDINGS, OUELLET, Y. (ED). NATIONAL RESEARCH COUNCIL ASSOCIATE COMMITTEE FOR RESEARCH ON SHORELINE EROSION AND SEDIMENTATION (ACROSES) IN CO-OPERATION WITH LAVAL UNIVERSITY. P.65.

59

AMOS, C.L., ZAITLIN, B.A. 1985. A TIDALITE SEQUENCE FROM THE SUBLITTORAL ZONE OF A MACROTIDAL ESTUARY - BAY OF FUNDY, CANADA. IN: SYMPOSIUM ON MODERN AND ANCIENT CLASTIC TIDAL DEPOSITS; ABSTRACTS (1985: UTRECHT, THE NETHERLANDS). UTRECHT, THE NETHERLANDS: UNIVERSITY OF UTRECHT. P.23-26.

THIS PAPER REVIEWS THE LITHOSTRATIGRAPHIC SEQUENCE OF POSTGLACIAL SEDIMENTS RECOVERED IN 17 VIBROCORES TAKEN IN CHIGNECTO BAY THE SEQUENCE IS MARKEDLY DIFFERENT FROM THE LITTORAL EQUIVALENTS, ON WHICH ENVIRONMENTAL MODELS HAVE BEEN LARGELY BASED, AND ILLUSTRATES THE EFFECT OF CHANGES IN TIDAL RANGE, THROUGH TIME.

60

AMOS, C.L., ZAITLIN, B.A. 1985. THE EFFECT OF CHANGES IN TIDAL RANGE ON A SUBLITTORAL MACROTIDAL SEQUENCE, BAY OF FUNDY, CANADA. IN: ORIGINS, TRANSPORT, AND DEPOSITION OF FINE-GRAINED SEDIMENTS: SEPM RESEARCH CONFERENCE (1984: LOS ANGELES, CA), PART I. GEO-MARINE LETTERS 4(3/4): 161-169.

INDEPENDENT EVIDENCE ON CHANGES IN SEA LEVEL AND TIDAL RANGE DURING THE LAST 9000 YEARS IS USED TO EVALUATE THE LITHOLOGIES IDENTIFIED FROM 17 CORES FROM THE SUB-LITTORAL PART OF CHIGNECTO BAY. THE COMPOSITE TIDAL SEQUENCE IS COMPLEX DUE TO CHANGES FROM MICROTIDAL, THROUGH MESOTIDAL TO MACROTIDAL CONDITIONS AND CHANGES IN WATER DEPTH. CHANGES IN TIDAL RANGE SHOULD THEREFORE BE CONSIDERED WHEN INTERPRETING "TIDALITE" SEQUENCE FROM THE GEOLOGIC RECORD.

61

ANDERSON, R.N., HOBART, M.A., KEEN, C. 1983. GEOTHERMAL HISTORY OF THE SOUTHERN CONTINENTAL MARGIN OF CHINA [ABSTRACT]. EOS; TRANSACTIONS, AMERICAN GEOPHYSICAL UNION 64(18): 315.

62

ANDERSON, T.W., LEWIS, C.F.M. 1975. ACOUSTIC PROFILING AND SEDIMENT CORING IN LAKE ONTARIO, LAKE ERIE, AND GEORGIAN BAY. GEOLOGICAL SURVEY OF CANADA PAPER 75-1A: 373-376.

63

ANDERSON, T.W., LEWIS, C.F.M. 1984. POSTGLACIAL WATER-LEVEL HISTORY OF THE LAKE ONTARIO BASIN [ABSTRACT]. GEOLOGICAL ASSOCIATION OF CANADA/MINERALOGICAL ASSOCIATION OF CANADA PROGRAM WITH ABSTRACTS 9: 41.

64

ANDERSON, T.W., LEWIS, C.F.M. 1985. POSTGLACIAL WATER-LEVEL HISTORY OF THE LAKE ONTARIO BASIN. IN: QUATERNARY EVOLUTION OF THE GREAT LAKES, EDS., P.F. KARROW AND P.E. CALKIN. [OTTAWA]: GEOLOGICAL ASSOCIATION OF CANADA. P.231-253. (GEOLOGICAL ASSOCIATION OF CANADA SPECIAL PAPER 30)

PALEOECOLOGICAL AND RELATED DATA INDICATE THAT FOLLOWING GLACIAL LAKE DRAINAGE A LOW WATER STAGE CONFLUENT WITH CHAMPLAIN SEA EXISTED ABOUT 11.5 KA B.P. RELATIVE LAKE LEVELS ROSE RAPIDLY AFTER 11.5 - 10.5 KA B.P. AS OUTLETS EMERGED AND REBOUNDED GLACIO-ISOSTATICALLY, CONTINUALLY AT PRESENT. DIVERSION OF UPPER GREAT LAKES DRAINAGE FROM OTTAWA VALLEY SUPERIMPOSED THE NIPISSING FLOOD PHASE AND RAISED LEVELS ABRUPTLY ABOUT 4 KA B.P.

65

ANDERSON, T.W., LEWIS, C.F.M. 1985. THE DETERMINATION OF WATER-LEVEL CHANGES IN QUATERNARY STUDIES OF THE LAURENTIAN GREAT LAKES [ABSTRACT]. GEOLOGICAL ASSOCIATION OF CANADA/MINERALOGICAL ASSOCIATION OF CANADA, PROGRAM WITH ABSTRACTS 10: A1.

TYPES OF SEDIMENTOLOGICAL, STRATIGRAPHIC, GEOMORPHIC AND PALEOECOLOGICAL INDICATORS AS USED IN INTERPRETING LONG-TERM CHANGES IN LAKE LEVELS ARE REVIEWED.

66

ANDERSON, T.W., LEWIS, C.F.M. 1987. LATE-QUATERNARY OSCILLATIONS OF LAURENTIAN GREAT LAKES LEVELS. IN: INTERNATIONAL ASSOCIATION FOR GREAT LAKES RESEARCH (30TH: 1987: ANN ARBOR, MICHIGAN). THE CONFERENCE. P.A1.

DISCHARGE FROM GLACIAL LAKE AGASSIZ SPILLED INTO THE GREAT LAKES ON TWO OCCASIONS, FROM 10.9 TO 9.9 AND 9.5 TO 8.5KA. WIDESPREAD OCCURRENCE OF RED CLAYS IN HURON AND ERIE BASINS IS TENTATIVELY ATTRIBUTED TO THE FIRST DISCHARGE EVENT. AN INCREASE IN HURON BASIN WATER LEVEL OF ABOUT 10M, EVIDENCE AT BY DELAY IN SEDIMENT, IS ATTRIBUTED TO THE SECOND DISCHARGE EVENT.

67

ANDERSON, T.W., LEWIS, C.F.M., MARKGRAF, V. 1982. THE MID-HOLOCENE NIPISSING FLOOD INTO LAKE ONTARIO [ABSTRACT]. IN: CHARACTER AND TIMING OF RAPID ENVIRONMENTAL AND CLIMATIC CHANGES, AMERICAN QUATERNARY ASSOCIATION NATIONAL CONFERENCE (7TH: 1982: SEATTLE, WA). THE CONFERENCE. P. 60.

68

ANDREWS, J.T. 1987. DOWNCORE VARIATIONS IN THE CARBON CONTENT OF FIORD PISTON CORES AND ASSOCIATION WITH SEDIMENTATION RATES. IN: SEDIMENTOLOGY OF ARCTIC FIORDS EXPERIMENT: DATA REPORT (3RD: 1987), SYVITSKI, J.P.M. (COMP), PRAEG, D.B. (COMP). CANADIAN DATA REPORT OF HYDROGRAPHY AND OCEAN SCIENCES NO. 54. 19 P. (GEOLOGICAL SURVEY OF CANADA OPEN FILE REPORT NO. 1589)

69

ANDREWS, J.T., AKSU, A., KELLY, M., KLASSEN, R., MILLER, G.H., MODE, W.N., MUDIE, P. 1985. LAND/OCEAN CORRELATIONS DURING THE LAST INTERGLACIAL/GLACIAL TRANSITION, BAFFIN BAY, NORTHWESTERN NORTH ATLANTIC: A REVIEW. QUATERNARY SCIENCE REVIEWS 4(4): 333-355.

EVIDENCE FROM TERRESTRIAL SECTIONS, ICE CORES AND MARINE CORES ARE USED TO RECONSTRUCT ENVIRONMENTAL CHANGES DURING ISOTOPIC STAGES 5 AND 4 IN THE BAFFIN BAY REGION. AMINO ACID RACEMIZATION DATES INDICATE THE GROWTH OF BAFFIN ISLAND AND GREENLAND ICE SHEETS BETWEEN LATE STAGE 5 AND 4. OXYGEN ISOTOPE RECORDS FROM DEVON ICE CAP AND BAFFIN BAY, POLLEN AND MARINE MICROFOSSIL RECORDS INDICATE INTERGLACIAL CONDITIONS DURING STAGE 5.

70

ANGENHEISTER, G., GEERANDE, H., MILLER, H., GOLDFLAM, P., WEIGEL, W., JACOBY, W.R., PALMASON, G., BJORNSSON, S., EINARSSON, P., PAVLENKOVA, N.I., ZVEREV, S.M., LITVINENKO, I.V., LONCAREVIC, B., SOLOMON, S.C. 1980. REYKJANES RIDGE ICELAND SEISMIC EXPERIMENT (RRISP 77). IN: ICELAND, EVOLUTION, ACTIVE TECTONICS, AND STRUCTURE, ED., W. JACOBY, ET AL. JOURNAL OF GEOPHYSICS 47(1/3): 228-238.

71

ANGENHEISTER, G., GEERANDE, H., MILLER, H., WEIGEL, W., GOLDFLAM, P., JACOBY, W., PALMASON, G.G., BJORNSSON, S., EINARSSON, P., ZVEREV, S., LONCAREVIC, B., SOLOMON, S. 1979. FIRST RESULTS FROM THE REYKJANES RIDGE ICELAND SEISMIC PROJECT 1977. NATURE 279(5708): 56-60.

72

ANTHONY, E.H., VILKS, G. 1973. ASKING MICROORGANISMS TO CLASSIFY THEIR ENVIRONMENT. IN: ESTUARINE MICROBIAL ECOLOGY, ED., L.HAROLD STEVENSON AND R.R.COLWELL. COLUMBIA, S.C.: UNIVERSITY OF SOUTH CAROLINA PRESS. P.269-280. (BELLE W. BARUCH LIBRARY IN MARINE SCIENCE 1)

73

APPLETON, K.P., KEEN, C.E., BARRETT, D.L. 1975. MAGNETIC LINEATIONS IN BAFFIN BAY AND THEIR SIGNIFIGANCE TO THE EVOLUTION OF THE CANADIAN ARCTIC [ABSTRACT]. IN: INTERNATIONAL UNION OF GEODESY AND GEOPHYSICS GENERAL ASSEMBLY (16TH: 1975: GRENOBLE, FRANCE) ABSTRACTS OF PAPERS PRESENTED AT THE INTERDISCIPLINARY SYMPOSIA.: 62.

74

ARKANI-HAMED, J., STRANGWAY, D.W., VERHOEF, J., MACNAB, R. 1987. DIFFERENTIAL REDUCTION TO POLE AND GENERALIZED INVERSION OF MAGNETIC ANOMALIES [ABSTRACT]. IN: INTERNATIONAL UNION OF GEODESY AND GEOPHYSICS GENERAL ASSEMBLY (19TH: 1987: VANCOUVER), ABSTRACTS. INTERNATIONAL UNION OF GEODESY AND GEOPHYSICS (IUGG). P.70.

DESCRIBES WORK DONE UNDER CONTRACT AT UBC, INVOLVING THE DEVELOPMENT OF A TECHNIQUE FOR REDUCTION TO THE POLE OVER LARGE REGIONS. THE TECHNIQUE WAS APPLIED TO THE AGC MARINE MAGNETIC DATA SET, WHICH WAS THEN INVERTED TO DERIVE ESTIMATES OF CRUSTAL MAGNETIZATION.

- 76
 ARMON, J.W., MCCANN, S.B. 1977. LONGSHORE SEDIMENT TRANSPORT AND A SEDIMENT BUDGET FOR THE MALPEQUE BARRIER SYSTEM, SOUTHERN GULF OF ST LAWRENCE. CANADIAN JOURNAL OF EARTH SCIENCES 14(11): 2429-2439.

THE PAPER DESCRIBES LONGSHORE SEDIMENT PATTERNS AND DERIVES THE SEDIMENT BUDGET FOR THE MALPEQUA BARRIER SYSTEM.

- 77
 ARMON, J.W., MCCANN, S. 1977. MORPHOLOGY AND LANDWARD SEDIMENT TRANSFER IN A TRANSGRESSIVE BARRIER ISLAND SYSTEM, SOUTHERN GULF OF ST. LAWRENCE, CANADA. MARINE GEOLOGY 31(3-4). P. 333-344.

- 78
 ARTHUR, M., SRIVASTAVA, S.P., ODP LEG 105 SHIPBOARD SCIENTIFIC PARTY, [ET AL] 1986. OCEAN DRILLING PROGRAM: HIGH-LATITUDE PALAEOCEANOGRAPHY. NATURE 320: 17-18.

RESULTS FROM DRILLING ONE HOLE IN BAFFIN BAY (#645, PENETRATION 1147 M) AND TWO-HOLES IN THE LABRADOR SEA (#646, PENETRATION 766 M AND #647, PENETRATION 736 M) SHOW THAT ICE RAFTING STARTED EARLIER IN BAFFIN BAY (3.5 MA) THAN IN THE LABRADOR SEA (2.5 MA). THE BUILDING OF MAJOR DRIFTS BEGAN IN THE MIDDLE LATE MIOCENE IN SOUTHWESTERN BAFFIN BAY AND ON THE EIRIK AND GLORIA DRIFTS.

- 79
 ARTHUR, M.A., SRIVASTAVA, S.P., ODP LEG 105 SHIPBOARD SCIENTIFIC PARTY 1986. CENOZOIC HISTORY OF BOTTOM-CURRENT ACTIVITY AND DRIFT SEDIMENTATION IN THE LABRADOR SEA: RESULTS OF ODP LEG 105 [ABSTRACT]. EOS; TRANSACTIONS, AMERICAN GEOPHYSICAL UNION 67(44): 1044.

DRILLING RESULTS FROM SITES 646 AND 647 IN THE LABRADOR SEA AND THEIR CORRELATION WITH A NETWORK OF SEISMIC LINES ACROSS GLORIA AND EIRIK DRIFT DEPOSITS IN THE SOUTHERN LABRADOR SEA SHOW THAT THESE DEPOSITS MAY HAVE STARTED TO FORM IN MID-LATE OLIGOCENE AND IN EARLY PLIOCENE RESPECTIVELY THEREBY CONSTRAINING OUR MODELS FOR THE HISTORY OF BOTTOM CIRCULATION IN THE REGION DURING CENOZOIC.

- 80
 ARTZNER, D., DAVIES, E.H., DORHOFER, G., FASOLA, A., NORRIS, G., POPLOWSKI, S. 1979. A SYSTEMATIC ILLUSTRATED GUIDE TO FOSSIL ORGANIC-WALLED DINOFLAGELLATE GENERA. ROYAL ONTARIO MUSEUM LIFE SCIENCES MISCELLANEOUS PUBLICATIONS 1979: 119P.

THE GUIDE ASSIGNS 276 GENERA OF FOSSIL DINOFLAGELLATES TO THE ORDERS PERIDINIALES, DINOPHYSALES AND GYMNODINIALES. THE PERIDINIALES ARE FURTHER SUBDIVIDED INTO FOUR SUBORDERS COMPRISING 31 FAMILIES. EACH GENUS IS ILLUSTRATED BY A LINE DRAWING AT A STANDARD MAGNIFICATION BASED IN MOST CASES ON THE ILLUSTRATION AND DESCRIPTION OF THE TYPE SPECIES AND HOLOTYPE.

81

ASCOLI, P. 1956. MICROFAUNE DELLA SERIE EOCENICA DI RIO REPREGOSO E DELLA SERIE OLIGOCENICA SUPERIORE DI MOMBISAGGIO-MONGARIOLO. RIVISTA ITALIANA DI PALEONTOLOGIA E STRATIGRAFIA 62(3): 153-196.

DESCRIPTION OF BENTHONIC AND PLANKTONIC EOCENE AND LATE OLIGOCENE FORAMINIFERAL FAUNAS. THE EOCENE IS SUBDIVIDED INTO FOUR ZONES. UPPER EOCENE FORAMINIFERAL FAUNAS ARE DESCRIBED FOR THE FIRST TIME FROM THE APPENNINES.

82

ASCOLI, P. 1957. MICROFAUNE DEL TORTONIANO DI MOMBISAGGIO E DELLA SERIE PLIOCENICA DI VOLPEGLINO. RIVISTA ITALIANA DI PALEONTOLOGIA E STRATIGRAFIA 63(1): 3-26.

DESCRIPTION OF BENTHONIC AND PLANKTONIC FORAMINIFERAL FAUNAS FROM THE TORTONIAN AND LATE PLIOCENE.

83

ASCOLI, P. 1961. CONTRIBUTO ALLA SISTEMATICA DEGLI OSTRACODI ITALIANI. RIVISTA ITALIANA DI PALEONTOLOGIA E STRATIGRAFIA 67(1): 45-52.

LIST AND DISCUSSION OF ALL HOMONYMS AND SYNONYMS OF ITALIAN OSTRACODS.

84

ASCOLI, P. 1965. CROCIERA TALASSOGRAFICA ADRIATICA 1955. VI. RICERCHE ECOLOGICHE SUGLI OSTRACODI CONTENUTI IN 16 CAROTE PRELEVATE SUL FONDO DEL MARE ADRIATICO. ARCHIVIO DI OCEANOGRAFIA E LIMNOLOGICA 14(1): 69-137.

FIRST COMPLETE REPORT ON DEPTH DISTRIBUTION OF ADRIATIC OSTRACODA WITH DETAILED DESCRIPTION OF OSTRACOD SPECIES AND ASSEMBLAGES.

85

ASCOLI, P. 1968. PRELIMINARY REPORT ON THE OSTRACODA OF THE TYPE-TORTONIAN. GIORNALE DE GEOLOGIA, SERIE 2A 35(2): 31-54.

DETAILED OSTRACOD BIOSTRATIGRAPHY OF THE TORTONIAN TYPE SECTION, FROM HELVETIAN TO MESSINIAN. THREE 'LOCAL RANGE ZONES' ESTABLISHED AND RANGES OF OVER 120 OSTRACOD SPECIES GIVEN.

86

ASCOLI, P. 1969. FIRST DATA ON THE OSTRACOD BIOSTRATIGRAPHY OF THE POSSAGNO AND BRENDOLA SECTIONS (PALEOGENE, N.E. ITALY). IN: COLLOQUE SUR L'EOCENE (1968: PARIS). MEMOIRES DU B.R.G.M. 69. V. 3: 51-71.

FIRST REPORT ON THE BIOSTRATIGRAPHY AND PALEOECOLOGY OF ITALIAN PALEOGENE OSTRACODA. RANGES OF OSTRACOD SPECIES OF THE POSSAGNO AND BRENDOLA SECTIONS ARE GIVEN AND COMPARED WITH THOSE OF FRANCE AND OTHER COUNTRIES.

87

ASCOLI, P. 1974. BIOSTRATIGRAPHIC ZONATION (FORAMINIFERA AND OSTRACODA) OF THE MESOZOIC AND CENOZOIC ROCKS OF THE ATLANTIC SHELF. GEOLOGICAL SURVEY OF

CANADA PAPER 74-1B: 132- 135.

ILLUSTRATES THE PROPOSED FORAMINIFERAL ZONATION (23 ZONES FROM THE MIDDLE JURASSIC TO LATE MIOCENE) AND THE OSTRACOD ZONATION (11 ZONES FROM THE MIDDLE JURASSIC TO LATEST CRETACEOUS) OF THE SCOTIAN SHELF AND WESTERN GRAND BANKS. THE ZONATIONS ARE BASED ON THE BIOSTRATIGRAPHIC STUDY OF THE WELLS CREE E-35, MOHAWK B-93, NASKAPI N-30, ONONDAGA E-84, SABLE ISLAND C-67 AND PUFFIN B-90.

88

ASCOLI, P. 1975. GLI OSTRACODI DELLA SEZIONE PALEOCENICO-EOCENICA DI POSSAGNO. IN: MONOGRAFIA MICROPALAEONTOLOGICA SUL PALEOCENE E L'Eocene DI POSSAGNO. SCHWEIZERISCHE PALAONTOLOGISCHE ABHANDLUNGEN - MEMOIRES SUISSES DE PALEONTOLOGIE 97: 137-139.

BIOSTRATIGRAPHIC DATA ON THE OSTRACODA FROM THE ABOVE SECTION. RANGES OF OSTRACOD SPECIES FROM THE POSSAGNO SECTION ARE COMPARED WITH THOSE OF FRANCE AND ELSEWHERE.

89

ASCOLI, P. 1975. MESOZOIC AND CENOZOIC FORAMINIFERAL ZONATION OF THE SCOTIAN SHELF [ABSTRACT]. IN: ABSTRACTS, BENTHONICS '75. HALIFAX: DALHOUSIE UNIV., ETC. . P.4.

A BENTHONIC FORAMINIFERA BIOZONATION OF THE SCOTIAN SHELF AND SW GRAND BANKS, COMPRISING TWENTY INFORMAL CALCAREOUS FORAMINIFERA ZONES FROM BATHONIAN TO LATE MIOCENE AND FOURTEEN ARENACEOUS FORAMINIFERA ZONES FROM BATHONIAN TO EARLY EOCENE, IS HERE PROPOSED.

90

ASCOLI, P. 1976. FORAMINIFERAL AND OSTRACOD BIOSTRATIGRAPHY OF THE MESOZOIC-CENOZOIC, SCOTIAN SHELF, ATLANTIC CANADA. IN: INTERNATIONAL SYMPOSIUM ON BENTHONIC FORAMINIFERA OF CONTINENTAL MARGINS (1ST: 1975: HALIFAX), ED., C.T. SCHAFER AND B.R. PELLETIER. MARITIME SEDIMENTS SPECIAL PUBLICATION 1: 653-771.

A THREEFOLD PLANKTONIC/BENTHONIC ZONATION IS PROPOSED FOR THE JURASSIC-TERTIARY OF THE SCOTIAN SHELF. THE PRESENCE OF NUMEROUS EUROPEAN SPECIES IN THE JURASSIC AND CRETACEOUS HIGHLIGHTS THE AFFINITY BETWEEN EUROPEAN AND SCOTIAN SHELF ASSEMBLAGES. SOME OF THESE UBIQUITOUS TAXA APPEAR TO HAVE POTENTIAL AS TRANS-ATLANTIC STRATIGRAPHIC MARKERS.

91

ASCOLI, P. 1978. BOOK REVIEW OF ASPECTS OF ECOLOGY AND ZOOGEOGRAPHY OF RECENT AND FOSSIL OSTRACODA, ED., H. LEOFFLER, D. DANIELOPOL. GEOSCIENCE CANADA 5(4): 218-219.

THIS IS A REVIEW OF THE VOLUME "ASPECTS OF ECOLOGY AND ZOOGEOGRAPHY OF RECENT AND FOSSIL OSTRACODA" WHICH COLLECTS THE 51 PAPERS PRESENTED AT THE 6TH INTERNATIONAL SYMPOSIUM ON OSTRACODS, SAALFELDEN (SALZBURG), JULY 30 - AUGUST 8, 1976. THE REVIEW WAS REQUESTED OF THE AUTHOR BY THE PUBLISHERS.

- 92
 ASCOLI, P. 1981. FORAMINIFERAL-OSTRACOD LATE JURASSIC BIOZONATION OF THE SCOTIAN SHELF. GEOLOGICAL SURVEY OF CANADA OPEN FILE 753. 38P.

THE AUTHOR'S 1977 FORAMINIFERAL AND OSTRACOD BIOZONATION OF THE SCOTIAN SHELF HAS BEEN UPDATED AND REFINED IN THE LATE JURASSIC AND EXTENDED TO THE EAST NEWFOUNDLAND BASIN OF THE GRAND BANKS. PLANKTONIC FORAMINIFERA DELINEATE ONE ASSEMBLAGE ZONE OF CALLOVIAN-OXFORDIAN AGE; CALCAREOUS BENTHONIC FORAMINIFERA DELINEATE THREE ZONES OF OXFORDIAN, KIMMERIDGIAN AND TITHONIAN AGE; ARENACEOUS BENTHONIC FORAMINIFERA DELINEATE TWO ZONES OF OXFORDIAN-EARLY KIMMERIDGIAN AND LATE KIMMERIDGIAN-TITHONIAN.

- 93
 ASCOLI, P. 1984. EPISTOMINID BIOSTRATIGRAPHY ACROSS THE JURASSIC-CRETACEOUS BOUNDARY ON THE NORTHWESTERN ATLANTIC SHELF. IN: BENTHOS '83; INTERNATIONAL SYMPOSIUM ON BENTHIC FORAMINIFERA (2ND: 1983: PAU, FRANCE), ED., H.J. OERTLI. PAU ET BORDEAUX: THE CONFERENCE. P.27-34.

- 94
 ASCOLI, P., BUJAK, J.P., DOEVEN, P., GRADSTEIN, F.M., WILLIAMS, G.L. 1980. MULTIPLE MICROFOSSIL ZONATIONS FOR THE MESOZOIC-CENOZOIC, OFFSHORE EASTERN CANADA [ABSTRACT]. GEOLOGICAL ASSOCIATION OF CANADA ANNUAL MEETING ABSTRACTS 5: 40.

THE MARINE MICROFOSSIL RECORD OF THE MESOZOIC-CENOZOIC WEDGE, OFFSHORE EASTERN CANADA REFLECTS BROAD PALEOGEOGRAPHIC, EUSTATIC AND PALEO-OCEANOGRAPHIC TRENDS: STRATIGRAPHIC RESOLUTION IS ONLY LIMITED BY THE SPACING AND QUALITY OF SAMPLES: THE FORAMINIFERAL AND DINOFLAGELLATE ZONATIONS ARE REASONABLY CALIBRATED.

- 95
 ASCOLI, P., GRADSTEIN, F.M., JENKINS, W.A.M., WILLIAMS, G.L. 1974. NORTH ATLANTIC PLATE TECTONICS AND MICROFOSSILS [ABSTRACT]. IN: GAC/MAC '74; ANNUAL MEETINGS, GEOLOGICAL ASSOCIATION OF CANADA [AND] MINERALOGICAL ASSOCIATION OF CANADA (1974: ST. JOHN'S, NFLD.), PROGRAM ABSTRACTS, 3RD CIRCULAR. [ST JOHN'S: THE CONFERENCE]. P.3.

- 96
 ASCOLI, P., POAG, C., REMANE, J. 1982. FORAMINIFERAL, OSTRACOD AND CALPIONELLID CORRELATION ACROSS THE JURASSIC-CRETACEOUS BOUNDARY IN THE NORTHWEST ATLANTIC (GEORGES BANK - EAST NEWFOUNDLAND BASIN) [ABSTRACT]. IN: NORTH AMERICAN PALEONTOLOGICAL CONVENTION (3RD: 1982: MONTREAL, QUE.), ABSTRACTS. JOURNAL OF PALEONTOLOGY 56(2-SUPPLEMENT): 1.

THE BIOSTRATIGRAPHIC STUDY OF THE COST G-2 WELL (GEORGES BANK) HAS PROVIDED A COMPREHENSIVE, INTEGRATED SYSTEM OF CALPIONELLID, FORAMINIFERAL AND OSTRACOD BIOZONATIONS FOR THE LATE JURASSIC-EARLY CRETACEOUS OF THE NW ATLANTIC SHELF FROM THE EAST NEWFOUNDLAND BASIN THROUGH THE SCOTIAN SHELF TO THE GEORGES BANK.

- 97
 ASPREY, K.W. 1984. SAFE: 1983 HEAVY MINERAL DISTRIBUTION. IN: SEDIMENTOLOGY OF ARCTIC FJORDS EXPERIMENT: HU 83-028 DATA REPORT, VOLUME 2, COMP.,

J.P.M. SYVITSKI. CANADIAN DATA REPORT OF HYDROGRAPHY AND OCEAN SCIENCES 28: 19. 1-19.36. ALSO PUBLISHED IN GEOLOGICAL SURVEY OF CANADA OPEN FILE 1122.

98

ASPREY, K.W., BISHOP, P., BLAKENEY, C.P., LEBLANC, W., SYVITSKI, J.P.M., WINTERS, G. 1983. SAFE 1982 SUSPENDED PARTICULATE MATTER DATA (CHAP.5). IN: SEDIMENTOLOGY OF ARCTIC FJORDS EXPERIMENT; HU82-031 DATA REPORT, ED., J.P.M. SYVITSKI AND C.P. BLAKENEY. CANADIAN DATA REPORT OF HYDROGRAPHY AND OCEAN SCIENCES 12. V.1: 5.1-5.30. ALSO PUBLISHED IN GEOLOGICAL SURVEY OF CANADA OPEN FILE 960.

99

ASPREY, K.W., JOHNSTON, B.L. 1984. REPORT ON CSS HUDSON CRUISE 83-028, BAFFIN IS[LAND] FJORDS. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1004. 186P.

100

ASPREY, K.W., SYVITSKI, J.P.M. 1985. TRANSFER OF MAGNETITE FROM LAND TO SEE [SEA] IN BAFFIN ISLAND FJORDS [POSTER]. IN: ARCTIC LAND-SEA INTERACTION; ARCTIC WORKSHOP (14TH: 1985: BEDFORD INSTITUTE OF OCEANOGRAPHY, DARIMOUTH, N.S.), [COMP., G.M. VILKS AND J.P.M. SYVITSKI. DARIMOUTH, N.S.: THE WORKSHOP]. P.213-216. (GEOLOGICAL SURVEY OF CANADA OPEN FILE 1223)

DETERMINATION OF THE DISTRIBUTION OF MAGNETITE CAN BE A POWERFUL TECHNIQUE TO DISCERN SEDIMENT SOURCES AND TRANSPORT PATHWAYS IN A CLOSED DEPOSITIONAL SYSTEM. ANALYTICAL RESULTS FROM SEDIMENT SAMPLES COLLECTED IN BAFFIN ISLAND ARE USED AS AN EXAMPLE OF THIS TECHNIQUE.

101

ASUDEH, I., FORSYTH, D.A., JACKSON, H.R., STEPHENSON, R. 1985. ICE ISLAND 1985 REFRACTION SURVEY: A PRELIMINARY REPORT [ABSTRACT]. EOS; TRANSACTIONS, AMERICAN GEOPHYSICAL UNION 66(46): 956.

102

ASUDEH, I., FORSYTH, D.A., JACKSON, H.R., STEPHENSON, R., WHITE, D. 1985. THE 1985 ICE ISLAND REFRACTION SURVEY: PHASE 1 REPORT. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1196. 142P. ALSO RELEASED AS CANADA. EARTH PHYSICS BRANCH OPEN FILE 85-23.

103

ATLANTIC GEOSCIENCE CENTRE 1985. PRELIMINARY 1:2M SURFICIAL FEATURES MAP OF OFFSHORE EASTERN CANADA. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1076. 33P. PLUS MAPS, ETC.

THIS OPEN FILE CONSISTS OF AN UNEDITED MAP COMPILATION PREPARED FOR THE GEOLOGY OF CANADA SERIES, EAST COAST OFFSHORE VOLUME. IT IS EXPECTED THAT THESE MAPS WILL BE PUBLISHED IN FINAL FORM IN 1987.

104

AUBERT, J., BERGGREN, W.A., MILLER, K.G., [GRADSTEIN, F.M.] 1981. FLYSCH-TYPE AGGLUTINATED BENTHIC FORAMINIFERA AND THE MAESTRICHTIAN TO PALEOGENE HISTORY OF THE LABRADOR AND NORTH SEAS [ABSTRACT]. AMERICAN ASSOCIATION

OF PETROLEUM GEOLOGISTS BULLETIN 65(5): 892.

105

AUFFRET, G., BUCKLEY, D., LAINE, E., SCHUTTENHELM, R., SEARLE, R., SHEPHARD, L.
1984. NEA SEABED WORKING GROUP STATUS ON SITE QUALIFICATION FOR NUCLEAR
WASTE DISPOSAL WITHIN DEEP-SEA SEDIMENT. ALBUQUERQUE, N.M.: SANDIA
NATIONAL LABORATORIES. 64P. AVAILABLE FROM NTIS: SAND 83-2037.

106

AUFFRET, G., BUCKLEY, D., LAINE, E., SCHUTTENHELM, R., SEARLE, R., SHEPHARD, L.
1984. SITE QUALIFICATION STUDIES. IN: SEABED DISPOSAL OF HIGH-LEVEL
RADIOACTIVE WASTE; A STATUS REPORT ON THE NEA COORDINATED RESEARCH
PROGRAMME. PARIS: NUCLEAR ENERGY AGENCY; OECD. P.13-93.

107

AUMENTO, F., ADE-HALL, J.M., KEEN, M.J. 1975. 1974 - THE YEAR OF THE
MID-ATLANTIC RIDGE. REVIEWS OF GEOPHYSICS AND SPACE PHYSICS 13(3): 53-65.

108

AUMENTO, F., LONCAREVIC, B.D. 1969. THE MID-ATLANTIC RIDGE NEAR 45 DEGREES N.;
III. BALD MOUNTAIN. CANADIAN JOURNAL OF EARTH SCIENCES 6(1): 11-23.
(BIO CONTRIBUTION NO. 137)

109

AUMENTO, F., LONCAREVIC, B.D., ROSS, D.I. 1971. HUDSON GEOTRAVERSE: GEOLOGY OF
THE MID-ATLANTIC RIDGE AT 45 DEGREES N. PHILOSOPHICAL TRANSACTIONS OF THE
ROYAL SOCIETY OF LONDON, SERIES A 268: 623-650. (BIO CONTRIBUTION NO.
203).

110

AUSTIN, G.H., HOWIE, R.D. 1973. REGIONAL GEOLOGY OF OFFSHORE EASTERN CANADA.
IN: EARTH SCIENCE SYMPOSIUM ON OFFSHORE EASTERN CANADA (1971: OTTAWA),
ED., P.J. HOOD. GEOLOGICAL SURVEY OF CANADA PAPER 71-23: 73-107.

ENCOMPASSES LABRADOR SHELF TO THE GULF OF MAINE, AND INCLUDES A HISTORY OF
EXPLORATION, REGIONAL GEOLOGY, TECTONIC HISTORY, ISOPACH MAPS BASED ON
VELOCITY LAYERS, CROSS SECTIONS AND HYDROCARBON OCCURRENCES. ALSO
PRESENTS THE DATA IN LIGHT OF PLATE TECTONIC RECONSTRUCTIONS.

111

AVERY, M.P. 1985. VITRINITE REFLECTANCE (RO) OF THE DISPERSED ORGANICS AND
COALY MATTER FROM THE MOBIL ET AL. HIBERNIA B-08 (REVISED REPORT).
GEOLOGICAL SURVEY OF CANADA OPEN FILE 1201. IV. (REPORT EPGs-DOM.13.85
MPA).

THE FOLLOWING MATURATION LEVELS WERE DETERMINED FOR MOBIL ET AL. HIBERNIA
B-08: %RO DEPTH IN METERS CONFIDENCE 0.5 3307 DETERMINED 0.6 4308
DETERMINED 0.8 5885 PROJECTED 1.0 7110 PROJECTED.

112

AVERY, M.P. 1985. VITRINITE REFLECTANCE (RO) OF THE DISPERSED ORGANICS FROM THE
ESSO VOYAGEUR GABRIEL C-60. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1206.

IV. (REPORT EPGS-DCM.12-85 MPA).

THE FOLLOWING MATURATION LEVELS WERE DETERMINED FOR ESSO VOYAGEUR C-60:
%RO DEPTH IN METERS CONFIDENCE 0.5 3942 DETERMINED 0.6 4441 DETERMINED 0.8
5228 PROJECTED 1.0 5838 PROJECTED.

113

AVERY, M.P. 1985. VITRINITE REFLECTANCE (RO) ON THE DISPERSED ORGANICS IN THE
AMOCO IMPERIAL PUFFIN B-90. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1165.
IV. (REPORT EPGS-DCM.3-85 MPA).

THE FOLLOWING MATURATION LEVELS WERE DETERMINED FOR AMOCO-IMPERIAL PUFFIN
B-90: %RO DEPTH IN FEET 0.5 8961 DETERMINED 0.6 10940 DETERMINED 1.0 16485
PROJECTED.

114

AVERY, M.P. 1985. VITRINITE REFLECTANCE (RO) ON THE DISPERSED ORGANICS IN THE
AMOCO IMPERIAL SKELLY TERN A-68. GEOLOGICAL SURVEY OF CANADA OPEN FILE
1167. IV. (REPORT EPGS-DCM.1-85 MPA).

THE FOLLOWING MATURATION LEVELS WERE DETERMINED FOR AMOCO IMPERIAL SKELLY
TERN A-68: %RO DEPTH IN FEET 0.5 8989 DETERMINED 0.6 11015 DETERMINED 1.0
16691 PROJECTED.

115

AVERY, M.P. 1985. VITRINITE REFLECTANCE (RO) ON THE DISPERSED ORGANICS IN THE
AMOCO-IOE A-1 MURRE G-67. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1168. IV.
(REPORT EPGS-DCM.30-84 PHH).

THE FOLLOWING MATURATION LEVELS WERE DETERMINED FOR AMOCO-IOE A-1 MURRE
G-67: %RO DEPTH IN FEET 0.5 4900 DETERMINED 0.6 6500 DETERMINED 1.0 10850
DETERMINED.

116

AVERY, M.P. 1985. VITRINITE REFLECTANCE (RO) ON THE DISPERSED ORGANICS IN THE
MOBIL ET AL. WEST FLYING FOAM L-23. GEOLOGICAL SURVEY OF CANADA OPEN FILE
1169. IV. (REPORT EPGS-DCM.27-84 PHH).

THE FOLLOWING MATURATION LEVELS WERE DETERMINED FOR MOBIL ET AL. WEST
FLYING FOAM L-23: %RO DEPTH IN FEET 0.5 2050 DETERMINED 0.6 2570
DETERMINED (WITHIN UNCONFORMITY) 1.0 3090 DETERMINED.

117

AVERY, M.P. 1985. VITRINITE REFLECTANCE (RO) ON THE DISPERSED ORGANICS IN THE
MOBIL GULF ADOLPHUS D-50. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1199. IV.
(REPORT EPGS-DCM.9-85 MPA).

THE FOLLOWING MATURATION LEVELS WERE DETERMINED FOR MOBIL GULF ADOLPHUS
D-50: %RO DEPTH IN FEET CONFIDENCE 0.5 6303 DETERMINED 0.6 7541 DETERMINED
0.8 9494 DETERMINED 1.0 11009 DETERMINED.

118

AVERY, M.P. 1985. VITRINITE REFLECTANCE (RO) ON THE DISPERSED ORGANICS IN THE MOBIL GULF ADOLPHUS 2K-41. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1166. 1V. (REPORT EPGs-DOM.32-84 MPA).

THE FOLLOWING MATURATION LEVELS WERE DETERMINED FOR MOBIL GULF ADOLPHUS SK-41: %DEPTH IN FEET 0.5 6432 DETERMINED 0.6 8573 DETERMINED 1.0 14521 PROJECTED.

119

AVERY, M.P. 1985. VITRINITE REFLECTANCE (RO) ON THE DISPERSED ORGANICS IN THE MOBIL GULF DOMINION 0-23. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1200. 1V. (REPORT EPGs-DOM.10.85 MPA).

THE FOLLOWING MATURATION LEVELS WERE DETERMINED FOR MOBIL GULF DOMINION 0-23: %RO DEPTH IN FEET CONFIDENCE 0.5 8099 DETERMINED 0.6 9768 DETERMINED 0.8 12401 PROJECTED 1.0 14444 PROJECTED.

120

AVERY, M.P. 1985. VITRINITE REFLECTANCE (RO) ON THE DISPERSED ORGANICS IN THE MOBIL TETCO PETRO-CANADA MIGRANT N-20. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1172. 1V. (REPORT EPGs-DOM.2-85 MPA).

THE FOLLOWING MATURATION LEVELS WERE DETERMINED FOR MOBIL TETCO PETRO-CANADA MIGRANT N-20: %RO DEPTH IN FEET 0.5 7824 DETERMINED 0.6 9866 DETERMINED 1.0 15587 PROJECTED.

121

AVERY, M.P. 1985. VITRINITE REFLECTANCE (RO) ON THE DISPERSED ORGANICS IN THE MOBIL-TEXACO-PEX OLYMPIA A-12. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1171. 1V. (REPORT EPGs-DOM.17-85 MPA).

THE FOLLOWING MATURATION LEVELS WERE DETERMINED FOR MOBIL-TEXACO-PEX OLYMPIA A-12: %RO DEPTH IN FEET 0.5 2500 DETERMINED 0.6 3116 DETERMINED 1.0 4724 DETERMINED.

122

AVERY, M.P. 1986. VITRINITE REFLECTANCE (RO) OF DISPERSED ORGANICS FROM MOBIL ET AL. BONANZA M-71. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1346: 32P.

THE FOLLOWING MATURATION LEVELS WERE DETERMINED FOR MOBIL ET AL. BONANZA M-71: %RO DEPTH IN METERS CONFIDENCE 0.5 2457 DETERMINED 0.6 3116 DETERMINED 0.8 4155 DETERMINED 1.0 4517 DETERMINED.

123

AVERY, M.P. 1986. VITRINITE REFLECTANCE (RO) OF DISPERSED ORGANICS FROM SHELL MOBIL-TETCO EAGLE D-21. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1348: 27P.

THE FOLLOWING MATURATION LEVELS WERE DETERMINED FOR SHELL MOBIL-TETCO EAGLE D-21 PERCENT RO DEPTH IN FEET CONFIDENCE 0.5 8536 DETERMINED 0.6 10155 DETERMINED 0.8 12709 DETERMINED 1.0 14691 DETERMINED.

124

AVERY, M.P. 1986. VITRINITE REFLECTANCE (RO) OF DISPERSED ORGANICS FROM TEXACO SHELL ET AL. BLUE H-28. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1345: 58P.

2529-3100M 0.5-0.6 RO marginally mature 4000M 0.8 RO PEAK OIL GENERATION
5637 1.35RO BASE OIL WINDOW.

125

AVERY, M.P. 1986. VITRINITE REFLECTANCE (RO) ON COALY SAMPLES FROM THE RAWDON HILLS AREA, NOVA SCOTIA. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1347: 32P.

RESULTS OF VITRINITE REFLECTANCE RUN ON 9 COALY SAMPLES FROM THE RAWDON HILLS AREA (REQUESTED BY C. RAVENHURST, DAL.) WERE AS FOLLOWS RO RANGE 0.87 - 1.25 (HIGH TO MED. VOL. BITUMINOUS RANK); S.D. RANGE 0.08 - 0.19. SIMILAR REFLECTANCE VALUES WERE REPORTED BY HACQUEBARD AND DONALDSON IN 1970.

126

AVERY, M.P. 1987. VITRINITE REFLECTANCE (RO) OF DISPERSED ORGANICS FORM PETRO-CANADA SHELL WENONAH J-75. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1424: 31P.

THE FOLLOWING MATURATION LEVELS WERE DETERMINED FOR PETRO-CANADA SHELL WENONAH J-75 %RO DEPTH IN FEET CONFIDENCE 0.5 6698 DETERMINED 0.6 8001 DETERMINED 0.8 10057 DETERMINED 1.0 11653 DETERMINED.

127

AVERY, M.P. 1987. VITRINITE REFLECTANCE (RO) OF DISPERSED ORGANICS FROM SHELL MIC MAC-86, SCOTIAN SHELF. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1436: 36 P.

THE FOLLOWING MATURATION LEVELS WERE DETERMINED FOR SHELL MIC MAC H-86 %RO DEPTH IN FEET CONFIDENCE 0.5 6748 DETERMINED 0.6 8539 DETERMINED 0.8 11363 DETERMINED 1.0 12947 DETERMINED.

128

AVERY, M.P., BELL, J.S. 1985. ORGANIC MATURITY ON THE NORTHERN GRAND BANKS [ABSTRACT]. IN: TECTONIC MODELS FOR THE EVOLUTION OF THE APPALACHIAN REGION; ABSTRACTS, ATLANTIC GEOSCIENCE SOCIETY 1985 SYMPOSIUM. MARITIME SEDIMENTS AND ATLANTIC GEOLOGY 21(1/3): 31.

A PALEOTHERMAL HIGH FOLLOWS THE AXIS OF THE JEANNE D'ARC BASIN AND SPATIALLY COINCIDES WITH ARGO SALT DISTRIBUTION. DEPTH TO MARGINAL MATURITY FOR OIL GENERATION VARIES FROM 2000 TO 4000M.

129

AVERY, M.P., BELL, J.S. 1985. VITRINITE REFLECTANCE MEASUREMENTS FROM THE SOUTH WHALE BASIN, GRAND BANKS, EASTERN CANADA, AND IMPLICATIONS FOR HYDROCARBON EXPLORATION. GEOLOGICAL SURVEY OF CANADA PAPER 85-1B: 51-57.

ORGANIC MATURATION LEVELS SUITABLE FOR PEAK OIL GENERATION OCCUR AT 3350M

DEPTH IN THE TERN A-68 AND PUFFIN B-90 WELLS. A REWORKED VITRINITE POPULATION IS PRESENT IN BOTH WELLS. IF SOURCED FROM A NEARBY SUBCROPPING BASIN, THIS SUGGESTS A POSSIBLE PALEOZOIC SOURCE OF GAS.

130

AVERY, M.P., BELL, J.S., MCALPINE, K.D. 1986. VITRINITE REFLECTANCE MEASUREMENTS AND THEIR IMPLICATIONS FOR OIL AND GAS EXPLORATION IN THE JEANNE D'ARC BASIN, GRAND BANKS, EASTERN CANADA. GEOLOGICAL SURVEY OF CANADA PAPER 86-1A: 489-498.

ORGANIC MATURATION PROFILES, BASED ON VITRINITE REFLECTANCE MEASUREMENTS FROM EIGHT WELLS, INDICATE THAT THE THICKNESS OF THE OIL WINDOW IS CONTROLLED BY THE STRUCTURAL CONFIGURATION OF THE BASIN WHICH WAS ESTABLISHED PRIOR TO THE LATE CRETACEOUS. THE THICKEST PART OF THE WINDOW LIES ADJACENT TO THE MAJORITY OF THE SIGNIFICANT OIL DISCOVERIES.

131

AVERY, M.P., MCALPINE, K.D., BELL, J.S. 1986. INDICATIONS OF SOURCE AREA FOR HIBERNIA OIL FROM VITRINITE REFLECTANCE STUDIES, GRAND BANKS OF NEWFOUNDLAND [ABSTRACT]. IN: CURRENT RESEARCH IN THE ATLANTIC PROVINCES; ABSTRACTS, ATLANTIC GEOSCIENCE SOCIETY 1986 COLLOQUIUM. MARITIME SEDIMENTS AND ATLANTIC GEOLOGY 22(2): 175-176.

132

BACKMAN, J., VILKS, G., ET AL 1987. LEG 115 TRACKS Oozes AND HOT SPOTS. GEOTIMES 1987: 13-15.

133

BAGGEROER, A.B., FALCONER, R. 1982. ARRAY REFRACTION PROFILES AND CRUSTAL MODELS OF THE CANADA BASIN. JOURNAL OF GEOPHYSICAL RESEARCH 87(B7): 5461-5476.

SEISMIC REFRACTION STUDIES USING THE MIT HYDROPHONE ARRAY AND THE BIO OCEAN BOTTOM SEISMOMETER ARE DESCRIBED FROM THE CANADA BASIN. A SEDIMENTARY COLUMN 4 TO 5.5 KM THICK WITH AN AVERAGE VELOCITY OF 2.7 KM/SEC WAS MEASURED. THE VELOCITY OF BASEMENT OR A CARBONATE LAYER WAS 4.9 KM/SEC. ITS THICKNESS WAS 4 TO 5.5 KM. NO LAYER 3 VELOCITIES WERE MEASURED. MANTLE VELOCITY OF 7.7 TO 7.9 KM/SEC WERE MEASURED 14 TO 16 KM BELOW THE WATER SURFACE.

134

BALTUCK, M., KASAHARA, J., BOILLOT, G., WINTERER, E.L., MEYER, A.W., APPLGATE, J., BERGEN, J.A., COMAS, M.C., DAVIES, T.A., DUNHAM, K., EVANS, C.E., GIRARDEAU, J.G., HAGGERTY, J., JANSKA, L.F., JOHNSON, J.A., LOREAU, J.P., MOULLADE, M., OGG, J.G., SARTI, M., THURLOW, J., WILLIAMSON, M.W. 1985. COMPACTION TO CEMENTATION CONSOLIDATION IN ODP LEG 103 SEDIMENTS [ABSTRACT]. EOS; TRANSACTIONS, AMERICAN GEOPHYSICAL UNION 66(46): 1095.

135

BAMBER, E.W., BARSS, M.S. 1968. STRATIGRAPHY AND PALYNOLOGY OF A PERMIAN SECTION, TATONDUK RIVER, YUKON TERRITORY. GEOLOGICAL SURVEY OF CANADA PAPER 68-1B: 7.

THE TATONDUK RIVER SEQUENCE CAN BE CORRELATED WITH OTHER SECTIONS IN ALASKA, USING MARINE FAUNA AND SPORES. REWORKED DEVONIAN AND EARLY CARBONIFEROUS SPORES ARE USEFUL FOR INTERPRETATING THE STRATIGRAPHY SETTING.

136

BARNES, N.E., PIPER, D.J.W. 1978. LATE QUATERNARY GEOLOGICAL HISTORY OF MAHONE BAY, NOVA SCOTIA. CANADIAN JOURNAL OF EARTH SCIENCES 15(4): 586-593.

137

BARR, S.M., RAESIDE, R.P., LONCAREVIC, B.D. 1987. GEOLOGICAL CORRELATIONS BETWEEN CAPE BRETON ISLAND AND NEWFOUNDLAND [ABSTRACT]. GEOLOGICAL ASSOCIATION OF CANADA/MINEROLOGICAL ASSOCIATION OF CANADA ANNUAL MEETING, ABSTRACTS 12: 23.

THE FIRST PRESENTATION OF LAURENTIAN CHANNEL AEROMAG SURVEY.

138

BARRETT, D.L., BERRY, M., BLANCHARD, J.E., KEEN, M.J., MCALLISTER, R.E. 1964. SEISMIC STUDIES ON THE EASTERN SEABOARD OF CANADA: THE ATLANTIC COAST OF NOVA SCOTIA. CANADIAN JOURNAL OF EARTH SCIENCES 1(1): 10-22.

139

BARRETT, D.L., HEFFLER, D.E., KEEN, C.E. 1977. OCEAN BOTTOM SEISMOMETER DEVELOPMENTS. GEOLOGICAL SURVEY OF CANADA PAPER 77-1B: 129-132. SEVERAL SEISMIC REFRACTION EXPERIMENTS WERE CONDUCTED USING OBS'S OF LAMONT DOHERTY OBSERVATORY DESIGN, THE RESULTS FROM WHICH WE FORMULATED SPECIFICATIONS OF OBS'S TO BE USED AT BEDFORD INSTITUTE. WE PURCHASED 2 UNITS FROM THE UNIVERSITY OF HAWAII AND AFTER MODIFYING THE INSTRUMENTS CONDUCTED AN EXPERIMENT OFF THE WEST COAST OF CANADA. THE RESULTS AND COMMENTS ON THE QUALITY OF DATA ARE PRESENTED.

140

BARRETT, D.L., KEEN, C.E. 1975. LINEATIONS IN THE MAGNETIC QUIET ZONE OF THE NORTH-WEST ATLANTIC. NATURE 253(5491): 423-425. (BIO CONTRIBUTION NO. 474).

A MAGNETIC SURVEY IN AN AREA 70 X 150 KM SHOWS THAT BASEMENT ANOMALIES ARE LINEATED PARALLEL TO THE QUIET ZONE BOUNDARY. TWO NARROW ZONES OF REVERSED POLARITY ARE EVIDENT IMPLYING THAT THE QUIET ZONE BOUNDARY IS AN ISOCHRON SEPARATING A PERIOD OF RAPID GEOMAGNETIC REVERSALS FROM A PERIOD IN WHICH FEW REVERSALS OCCURRED.

141

BARRETT, D.L., KEEN, C.E. 1976. MESOZOIC MAGNETIC LINEATIONS, THE MAGNETIC QUIET ZONE, AND SEA FLOOR SPREADING IN THE NORTHWEST ATLANTIC. JOURNAL OF GEOPHYSICAL RESEARCH 81(26): 4875-4884.

142

BARRETT, D.L., KEEN, C.E. 1978. OCEAN BOTTOM SEISMOMETER STUDIES OF THE CRUST NEAR THE ORPHAN KNOLL AND FLEMISH CAP CONTINENTAL FRAGMENTS [ABSTRACT]. EOS; TRANSACTIONS, AMERICAN GEOPHYSICAL UNION 59(4): 322.

143

BARRETT, D.L., KEEN, C.E., MOON, W.D. 1972. REAL TIME DEREVERBERATION AND SIGNAL PROCESSING OF MARINE SEISMIC REFLECTION PROFILES. IN: IEEE INTERNATIONAL CONFERENCE ON ENGINEERING IN THE OCEAN ENVIRONMENT (1972: NEWPORT, RHODE ISLAND), RECORD. NEW YORK: IEEE. P.544-549.

A REAL TIME DEREVERBERATOR WAS TESTED IN CONJUNCTION WITH A NOVEL SEISMIC REFLECTION SYSTEM IN AN ATTEMPT TO ELIMINATE MULTIPLES. THE DEREVERBERATED RECORDS EXPOSE REAL EVENTS WHICH ARE OTHERWISE MASKED BY MULTIPLES.

144

BARRETT, D.L., MANCHESTER, K.S. 1969. CRUSTAL STRUCTURE IN BAFFIN BAY AND DAVIS STRAIT FROM MAGNETOMETER SURVEYS [ABSTRACT]. EOS; TRANSACTIONS, AMERICAN GEOPHYSICAL UNION 50(4): 135.

145

BARRETT, D.L., PURDY, G.M. 1979. IPOD SURVEY AREA AT-6: SEISMIC REFRACTION RESULTS. IN: INITIAL REPORTS OF THE DEEP SEA DRILLING PROJECT, W.G. MELSON, P.D. RABINOWITZ, ET AL. WASHINGTON: U.S. GOVERNMENT PRINTING OFFICE. V.45: 49-53. (WOODS HOLE CONTRIBUTION 4004).

SEISMIC REFRACTION EXPERIMENTS USING OBS AND SURFACE SONOBOUYS WERE CARRIED OUT AT THREE LOCATIONS WITHIN THE SITE 6 SURVEY AREA. ON THE BASIS OF THESE RESULTS, A BEST DRILLING SITE WAS SELECTED.

146

BARRIE, C.Q., PIPER, D.J.W. 1982. LATE QUATERNARY MARINE GEOLOGY OF MAKKOVIK BAY, LABRADOR. GEOLOGICAL SURVEY OF CANADA PAPER 81-17. 37P.

147

BARRIE, J.V., COLLINS, W.T., CLARK, J.I., LEWIS, C.F.M., PARROTT, D.R. 1986. SUBMERSIBLE OBSERVATIONS AND ORIGIN OF AN ICEBERG PIT ON THE GRAND BANKS OF NEWFOUNDLAND. GEOLOGICAL SURVEY OF CANADA PAPER 86-1A: 251-258.

AN ELONGATED DEPRESSION 45 M BY 125 M AT 10 M DEEP IN 87 M WATER DEPTH WAS INVESTIGATED USING A MANNED SUBMERSIBLE. THIS FEATURE IS INTERPRETED AS A SEABED RESPONSE TO IMPACT AND LOADING BY A ROLLING AND GROUNDING ICEBERG.

148

BARRIE, J.V., COLLINS, W.T., PARROTT, D.R. 1986. GRAND BANKS PITS: DESCRIPTION AND POSTULATED ORIGIN. IN: ICE SCOUR AND SEABED ENGINEERING: PROCEEDINGS OF A WORKSHOP ON ICE SCOUR RESEARCH, ED., C.F.M. LEWIS [ET AL.]. OTTAWA: ENVIRONMENTAL STUDIES REVOLVING FUNDS. P.73-77. (ENVIRONMENTAL STUDIES REVOLVING FUNDS REPORT NO. 049).

149

BARRIE, J.V., COLLINS, W.T., SEGALL, M.F., LEWIS, C.F.M. 1987. HOLOCENE DEVELOPMENT VOL. 1: HOLOCENE DEVELOPMENT AND SEDIMENT TRANSPORT ON THE NORTHEASTERN GRAND BANKS OF NEWFOUNDLAND. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1396: 168P.

FIVE CONTOUR-PARALLEL SURFACE FACIES OF AGE 3-22 KA COMPOSED OF SAND AND GRAVEL FROM LOCAL TERTIARY/CRETACEOUS SOURCES WITH MINOR ICE-RAFTING ARE DEFINED BETWEEN 70 AND 50 M WATER DEPTH, BASED ON TEXTURE, BEDFORM CONTINUITY, THICKNESS, RADIOCARBON AND LITHOLOGIC/MINERALOGIC PARAMETERS. TRANSPORT IS SOUTH-SOUTHEASTWARD AT HIBERNIA, CALCULATED AS 0.1 M³ M⁻¹ YEAR⁻¹ (BEDLOAD) ARE 70 M AND NEGLIGIBLE AT 110 M WATER DEPTH.

150

BARRIE, J.V., COLLINS, W.T., [PARROTT, R.] 1986. PRELIMINARY RESULTS OF INVESTIGATIONS INTO SEABED STABILITY IN THE HIBERNIA REGION OF THE GRAND BANKS, DURING OPERATIONS OF HMCS CORMORANT AND SDL-1 SUBMERSIBLE. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1369: 57P.

DURING AN 18 DAY SCIENTIFIC CRUISE IN THE HIBERNIA AREA OF THE GRAND BANKS OF NFLD WITH THE HMCS CORMORANT AND SUBMERSIBLE SDL-1 THE SEDIMENTARY FACIES REPORTED BY BARRIE ET AL. (1984) WERE EXAMINED AND DETAILED OBSERVATIONS MADE OF THE SMALLER SEDIMENTARY BEDFORMS.

151

BARRIE, J.V., LEWIS, C.F.M., FADER, G.B., KING, L.H. 1984. SEABED PROCESSES ON THE NORTHEASTERN GRAND BANKS OF NEWFOUNDLAND; MODERN REWORKING OF RELICT SEDIMENTS. IN: SEDIMENTATION ON HIGH-LATITUDE CONTINENTAL SHELVES, ED., B.D. BORNHOLD AND A. GUILCHER. MARINE GEOLOGY 57(1/4): 209-227.

152

BARRIE, V., LEWIS, M. 1980. ICEBERG GROUNDING STUDIES. C-CORE NEWS 5(1): 7-8.

A POPULAR ACCOUNT OF THE JOINT GSC-C-CORE STUDIES OF ICEBERG SCOURING IN NORTHERN AND CENTRAL LABRADOR SHELF. ICE SCOURS WERE RECORDED ON THE SEABED WITH SIDE-SCAN SONAR AND HUNTEC SEISMIC SYSTEMS ALONG REGIONAL CROSS-SHELF LINES AND IN 2 DETAILED SURVEY AREAS - ON SAGLEK AND MAKKOVIK BANKS. CORES AND BOTTOM PHOTOGRAPHS AUGMENTED THE DATA FROM LATTER TWO AREAS. LOCAL SONAR/SEISMIC SURVEYS WERE ALSO CONDUCTED AROUND 5 ICEBERGS, AT LEAST 2 OF WHICH WERE GROUNDED.

153

BARRIE, W.B., BORNHOLD, B.D., HODGSON, D.A., JUBB, R.G., MCLAREN, P., TAYLOR, R.B. 1978. COASTAL RECONNAISSANCE FOR MARINE TERMINAL PLANNING IN THE HIGH ARCTIC; V.1. MAIN REPORT. GEOLOGICAL SURVEY OF CANADA OPEN FILE 633. 328P.

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BARRIE, W., MCLAREN, P. 1979. COASTAL STUDIES BY THE GEOLOGICAL SURVEY OF CANADA FOR OIL SPILL COUNTERMEASURES PLANNING: LABRADOR AND EASTERN LANCASTER SOUND. IN: ARCTIC MARINE OIL SPILL PROGRAM TECHNICAL SEMINAR, (1979: EDMONTON), PROCEEDINGS. [OTTAWA]: FISHERIES AND ENVIRONMENT CANADA. P.267-271.

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BARSS, M.S. 1966. STUDIES ON CARBONIFEROUS PALYNOLOGY. GEOLOGICAL SURVEY OF CANADA PAPER 66-2: 59.

156

BARSS, M.S. 1967. ILLUSTRATIONS OF CANADIAN FOSSILS - CARBONIFEROUS AND PERMIAN SPORES OF CANADA. GEOLOGICAL SURVEY OF CANADA PAPER 67-11: 94.

157

BARSS, M.S. 1968. LIST, AGE AND LOCATION OF SPORE SAMPLES IDENTIFIED, APPENDIX B. IN: STRATIGRAPHY AND SPORE ASSEMBLAGES, MONCTON MAP AREA, NEW BRUNSWICK, P.A. CARR. GEOLOGICAL SURVEY OF CANADA PAPER 67-29: 41-47.

THE APPENDIX INCLUDES PALYNOLOGICAL AGE DATING OF NUMEROUS SAMPLES THAT FORM THE BASIS FOR GEOLOGICAL INTERPRETATIONS MADE IN THE REPORT.

158

BARSS, M.S. 1969. BIOSTRATIGRAPHIC ZONATION OF THE HORTON GROUP BY MEANS OF FOSSIL SPORES. GEOLOGICAL SURVEY OF CANADA PAPER 69-1B: 4.

DISCUSSES A POSSIBLE FOURFOLD ZONATION OF THE HORTON GROUP BASED ON SPORES. ONE OF THE ZONES APPEARS TO BE DEVONIAN. THE PROPOSED ZONATION ALLOWS CORRELATION BETWEEN SECTIONS.

159

BARSS, M.S. 1969. PART II, PALYNOLOGY OF TATONDUK RIVER SECTION. IN: STRATIGRAPHY AND PALYNOLOGY OF A PERMIAN SECTION, TATONDUK RIVER, YUKON TERRITORY, E.W. BAMBER AND M.S. BARSS. GEOLOGICAL SURVEY OF CANADA PAPER 68-18: 11-19.

PART II - IDENTIFICATION OF PALYNOFORMS AND COMPARISON WITH PERMIAN ASSEMBLAGES FROM U.S.A. AND EUROPE; RANGE CHART OF SPECIES IDENTIFIED AND TWO PLATES OF ILLUSTRATIONS INCLUDING REWORKED CARBONIFEROUS AND DEVONIAN TYPES.

160

BARSS, M.S. 1972. A PROBLEM IN PENNSYLVANIAN-PERMIAN PALYNOLOGY OF YUKON TERRITORY. GEOSCIENCE AND MAN 4: 67-71.

SPORES FROM EIGHT SURFACE AND BOREHOLE SECTIONS ARE DESCRIBED. THE SPORES AND ASSOCIATED FORAMINIFERS AND BRACHIOPODS CONFIRM A PERMIAN AGE. A SIMILAR ASSEMBLAGE ASSOCIATED WITH BRACHIOPODS AND FUSULINIDS OF MIDDLE PENNSYLVANIAN AGE INDICATES A DISCREPANCY IN AGE BETWEEN THE SPORE AND THE MARINE FAUNA. THIS DISCREPANCY IS DISCUSSED AND SEVERAL EXPLANATIONS OFFERED.

161

[BARSS, M.S.] 1972. [CONTRIBUTION TO] THE CARBONIFEROUS OF EASTERN CANADA, BY P.A. HACQUEBARD. IN: COMPTE RENDU, CONGRES INTERNATIONALE DE STRATIGRAPHIE ET DE GEOLOGIE DU CARBONIFERE (7E: 1971: KREFELD). V.1: 69- 90.

CONTRIBUTION TO THIS PAPER CONSISTED OF IDENTIFICATIONS OF 17 SPORE ASSEMBLAGE ZONES AND THE REGIONAL AND VERTICAL DISTRIBUTION OF THESE ZONES IN A LARGE NUMBER OF COLUMNAR STRATIGRAPHIC SECTIONS.

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BARSS, M.S. 1974. PALYNOLOGICAL ZONATION OF THE CARBONIFEROUS AND PERMIAN ROCKS OF THE ATLANTIC PROVINCES. GEOLOGICAL SURVEY OF CANADA PAPER 74-1B: 135-136.

THE CARBONIFEROUS BIOSTRATIGRAPHY OF THREE GRAND BANKS' WELLS IN WHICH THE CARBONIFEROUS IS UNCONFORMABLY OVERLAIN BY CRETACEOUS SEDIMENTS, IS PRESENTED IN DETAIL. SAMPLES FROM THE TERRENCEVILLE AREA, NEWFOUNDLAND, DATED PREVIOUSLY ON MEAGRE PLANT EVIDENCE AS DEVONIAN, ARE DATED AND CORRELATED WITH THE UPPER TOURNAISIAN HORTON GROUP TYPE SECTION.

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BARSS, M.S. 1977. REPORT ON PALYNOLOGICAL ANALYSIS OF MACDOUGALL CORE HOLE IA; APPENDIX 2. IN: GEOLOGICAL STUDIES AND EVALUATION OF MACDOUGALL CORE HOLE 1A, WESTERN PRINCE EDWARD ISLAND, ED., R.D. HOWIE. GEOLOGICAL SURVEY OF CANADA PAPER 77-20: 21-22.

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BARSS, M.S. 1980. THE PENNSYLVANIAN-PERMIAN BOUNDARY IN CANADA [ABSTRACT]. IN: ABSTRACTS OF THE PROCEEDINGS OF THE ANNUAL MEETING OF THE AMERICAN ASSOCIATION OF STRATIGRAPHIC PALYNOLOGISTS (11TH: 1978: PHOENIX). PALYNOLOGY 4: 234.

A DISCUSSION OF THE PALYNOLOGICAL RECOGNITION OF PENNSYLVANIAN PERMIAN BOUNDARY.

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BARSS, M.S. 1983. COMPUTERIZING THE PALYNOLOGICAL LITERATURE. BIO REVIEW '83: 35-36.

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BARSS, M.S., BUJAK, J.P., WADE, J.A., WILLIAMS, G.L. 1980. AGE, STRATIGRAPHY, ORGANIC MATTER TYPE AND COLOUR, AND HYDROCARBON OCCURRENCES IN 47 WELLS, OFFSHORE EASTERN CANADA (SCOTIAN SHELF AND GRAND BANKS, NEWFOUNDLAND). GEOLOGICAL SURVEY OF CANADA OPEN FILE 714. 6P.

THIS OPEN FILE REPORT PRESENTS DETAILS OF ORGANIC MATTER TYPE, TAI (THERMAL ALTERATION INDEX) AGE, STRATIGRAPHY, HYDROCARBON SHOWS AND PERCENT TOTAL ORGANIC CARBON IN 47 WELLS FROM OFFSHORE EASTERN CANADA. THE AREAS INCLUDED IN THE PRESENT STUDY ARE THE SCOTIAN SHELF AND THE GRAND BANKS OF NEWFOUNDLAND (42N TO 59N: 48W TO 65W).

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BARSS, M.S., BUJAK, J.P., WILLIAMS, G.L. 1979. A PRAGMATIC APPROACH TO VISUAL KEROGEN STUDIES [ABSTRACT]. AMERICAN ASSOCIATION OF STRATIGRAPHIC PALYNOLOGISTS, ANNUAL MEETING, ABSTRACTS 12: 4.

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BARSS, M.S., BUJAK, J.P., WILLIAMS, G.L. 1979. PALYNOLOGICAL ZONATION AND CORRELATION OF SIXTY-SEVEN WELLS, EASTERN CANADA. GEOLOGICAL SURVEY OF CANADA PAPER 78-24. 118P. (BIO CONTRIBUTION NO. 920).

THE PALYNOLOGICAL ZONATION ESTABLISHED FOR THE PALEOZOIC, MESOZOIC, AND CENOZOIC OF OFFSHORE EASTERN CANADA, PROVIDES THE BASIS FOR THE ZONATION AND CORRELATION OF 67 WELLS. THE ZONES ARE EQUATED WITH THE STANDARD EUROPEAN STAGE TERMINOLOGY.

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BARSS, M.S., BUJAK, J.P., WILLIAMS, G.L. 1979. VISUAL KEROGEN ANALYSIS: THE TIME FOR STANDARDIZATION? [ABSTRACT]. IN: ABSTRACTS OF THE PROCEEDINGS OF THE ANNUAL MEETING OF THE AMERICAN ASSOCIATION OF STRATIGRAPHIC PALYNOLOGISTS (10TH: 1977: TULSA). PALYNOLOGY 3: 278.

ABSTRACT ON THE NEED FOR STANDARDISATION OF TERMINOLOGY FOR KEROGEN ANALYSIS.

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BARSS, M.S., BUJAK, J.P., WILLIAMS, G.L. 1981. ORGANIC MATTER TYPE AND HYDROCARBON OCCURRENCES ON THE EASTERN CANADIAN MARGIN [ABSTRACT]. AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS BULLETIN 65(9): 1659.

THE TYPE OF MATURATION OF ORGANIC MATTER IN THE MESOZOIC-CENOZOIC OF OFFSHORE EASTERN CANADA HAS DETERMINED THE NATURE OF THE HYDROCARBONS GENERATED.

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BARSS, M.S., CRILLEY, B. 1976. A MOUNTING MEDIUM FOR PALYNOLOGICAL RESIDUES. GEOLOGICAL SURVEY OF CANADA PAPER 76-1B: 131-132.

DESCRIBES THE FORMULA AND PREPARATION TECHNIQUE FOR A PALYNOLOGICAL MOUNTING MEDIUM DEVELOPED TO REPLACE A COMMERCIAL MEDIUM NO LONGER AVAILABLE.

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BARSS, M.S., DAVIES, E.H., FRICKER, A., WILLIAMS, G.L. 1985. PALYNOLOGY DATA MANAGEMENT AT THE ATLANTIC GEOSCIENCE CENTRE [ABSTRACT]. IN: ABSTRACTS OF THE PROCEEDINGS OF THE ANNUAL MEETING OF THE AMERICAN ASSOCIATION OF STRATIGRAPHIC PALYNOLOGISTS (17TH: 1984: ARLINGTON, VA). PALYNOLOGY 9: 235-236.

DEVELOPMENT OF TWO DATABASES FOR HANDLING PALYNOLOGICAL INFORMATION. SOME OF THE APPLICATIONS AND PRODUCTS ARE DISCUSSED.

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BARSS, M.S., DAVIES, E.H., WILLIAMS, G.L. 1984. BIOSTRAT: SON OF RANGEFILE [ABSTRACT]. IN: ATLANTIC GEOSCIENCE SOCIETY COLLOQUIUM ON CURRENT RESEARCH IN THE ATLANTIC PROVINCES (1984: AMHERST, N.S.), ABSTRACTS. [S.L.]: THE COLLOQUIUM. P.87. (MARITIME SEDIMENTS AND ATLANTIC GEOLOGY 20(2)).

BIOSTRAT, PALYNOLOGICAL DATA BASE ON EAST COAST OFFSHORE WELLS, IS NOW PERFORMING ACCORDING TO SPECIFICATIONS

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- 175
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 BARSS, M.S., HACQUEBARD, P.A. 1967. AGE AND STRATIGRAPHY OF THE PICTOU GROUP IN THE MARITIME PROVINCES AS REVEALED BY FOSSIL SPORES. IN: COLLECTED PAPERS ON GEOLOGY OF THE ATLANTIC REGION, ED., W.R. NEALE AND H. WILLIAMS. GEOLOGICAL ASSOCIATION OF CANADA SPECIAL PAPER 4: 267-282.
- PRECISE CORRELATIONS OF THE UPPERMOST PALEOZOIC ROCKS IN THE MARITIMES ARE BASED ON THE RECOGNITION OF FIVE SPORE ZONES IN 20 SECTIONS. FOR MANY AREAS THE PROPER ASSIGNMENT OF THESE ROCKS, WHICH REACH A MAXIMUM THICKNESS OF SOME 8500 FEET, WAS HITHERTO UNKNOWN. THE STUDY ILLUSTRATES THE SIMILARITY OF THE STRATIGRAPHY OF THE UPPER CARBONIFEROUS IN THE MARITIMES, EUROPE AND USA.
- 177
 BARSS, M.S., HACQUEBARD, P.A., HOWIE, R.D. 1962. PALYNOLOGY AND STRATIGRAPHY OF SOME UPPER PENNSYLVANIAN AND PERMIAN ROCKS OF THE MARITIME PROVINCES, CANADA [ABSTRACT]. POLLEN ET SPORES 4(2): 331.
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- 179
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A PROCESSING MANUAL FOR PALYNOLOGY AND NANNOFOSSIL PROCESSING. THE PROCEDURES DESCRIBED PERMIT THE RAPID PRODUCTION OF A LARGE NUMBER OF HIGH QUALITY PREPARATIONS. ALSO INCLUDED IS AN APPENDIX LISTING EQUIPMENT AND FORMULAE FOR SOLUTIONS AND CHEMICALS REQUIRED.

181

BARSS, M.S., WILLIAMS, G.L. 1983. ALPHABETICAL LISTING OF FOSSIL DINOCYST SPECIES. CANADIAN TECHNICAL REPORT OF HYDROGRAPHY AND OCEAN SCIENCES 23. 48P.

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BAYS, A., BLASCO, S. 1986. A NEW HIGH-RESOLUTION DIGITAL MARINE ACQUISITION SYSTEM. GEOPHYSICS, THE LEADING EDGE OF EXPLORATION 5(10): 51-54. (GEOLOGICAL SURVEY OF CANADA CONTRIBUTION 24886).

A DIGITAL MARINE ACQUISITION AND PROCESSING SYSTEM (DMAPS) HAS BEEN ASSEMBLED USING A MICROCOMPUTER AND COMMERCIALY AVAILABLE COMPONENTS FOR USE IN HIGH RESOLUTION; SEABED SEISMIC REFLECTION SURVEYS. THE SYSTEM SUPPORTS TWO CHANNELS EACH WITH A RESOLUTION OF 12 BITS AND A MAXIMUM ACQUISITION RATE OF 14KHZ. THE ACQUISITION MODULE HAS THE CAPACITY OF PERFORM DIGITAL FILTERING AND TRACE SUMMING IN REAL TIME.

183

BAYS, A.B., POLEY, D.F., BLASCO, S.M. 1985. DMAPS: A NEW EXPERIMENTAL DIGITAL MARINE REFLECTION SEISMIC ACQUISITION AND PROCESSING SYSTEM. GEOLOGICAL SURVEY OF CANADA PAPER 85-1A: 523-526.

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BEAUMONT, C., HYNDMAN, R.D., KEEN, M.J. 1970. A NEW TECHNIQUE FOR THE INSTALLATION OF TILTIMETERS. EARTH AND PLANETARY SCIENCE LETTERS 8: 337-340.

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THIS PAPER DESCRIBES THE GEOLOGICAL CONSEQUENCE OF EXTENSION AND REGIONAL ISOSTATIC LOADING OF RIFTED MARGINS, AND OF THE "LEAF SPRING" MODEL OF FORELAND BASINS, USING THE NOVA SCOTIA MARGIN AND ALBERTA BASINS AS EXAMPLES. SUPERPOSITION OF THESE TWO BASIN TYPES AS IN THE APPALACHIAN BASIN IS ALSO DESCRIBED.

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BEAUMONT, C., QUINLAN, G. 1982. THE DEGLACIATION OF ATLANTIC CANADA AS RECONSTRUCTED FROM THE POSTGLACIAL RELATIVE SEA LEVEL RECORD. CANADIAN JOURNAL OF EARTH SCIENCES 19(12): 2232-2246.

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BEAUMONT, C., QUINLAN, G. 1983. APPALACHIAN THRUSTING, LITHOSPHERIC FLEXURE AND THE PALEOZOIC STRATIGRAPHY OF THE EASTERN INTERIOR, U.S.A. [ABSTRACT]. GEOLOGICAL ASSOCIATION OF CANADA/MINERALOGICAL ASSOCIATION OF CANADA/CANADIAN GEOPHYSICAL UNION PROGRAM WITH ABSTRACTS 8: A5.

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BEAUMONT, C., STOCKMAL, G.S., QUINLAN, G. 1987. THE EVOLUTION OF THE WESTERN INTERIOR BASIN: CAUSES, CONSEQUENCES, AND UNSOLVED PROBLEMS. GEOLOGICAL ASSOCIATION OF CANADA/MINERALOGICAL ASSOCIATION OF CANADA ANNUAL MEETING, ABSTRACTS 12: 24.

THE GENERALLY ACCEPTED RELATIONSHIP BETWEEN OVERTHRUSTING IN OROGENS, LITHOSPHERE FLEXURE, AND SUBSIDENCE OF FORELAND BASINS HAS LED TO QUANTITATIVE MODELS THAT RELATE THE TIMING AND DISTRIBUTION OF OVERTHRUSTING, DURING MID JURASSIC THROUGH EARLY TERTIARY TERRANE ACCRETION, TO THE SUBSIDENCE OF THE WESTERN INTERIOR BASIN. WE ASSESS THESE MODELS AND DISCUSS THEIR IMPLICATIONS AND FAILINGS.

192

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BELL, J.S. 1974. LATE PALEOZOIC OROGENY IN THE NORTHERN YUKON. IN: CANADIAN ARCTIC GEOLOGY; PROCEEDINGS OF THE SYMPOSIUM ON THE GEOLOGY OF THE CANADIAN ARCTIC, ED., J.D. AITKEN AND D.J. GLASS. SASKATOON, SASK: GEOLOGICAL ASSOCIATION OF CANADA AND THE CANADIAN SOCIETY OF PETROLEUM GEOLOGISTS. P.23-38.
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 BELL, J.S., GOUGH, D.I., FORDJOR, C.K., BABCOCK, E.A. 1984. STRESS ORIENTATIONS FROM BREAKOUTS AND THEIR APPLICATION IN THE WESTERN CANADIAN BASIN AND

ROCKY MOUNTAIN FOOTHILLS [ABSTRACT]. IN: JOINT PROGRAMME WITH ABSTRACTS; ANNUAL CONGRESS, CANADIAN METEOROLOGICAL AND OCEANOGRAPHIC SOCIETY (18TH: 1984: HALIFAX, N.S.) [AND] ANNUAL MEETING, CANADIAN GEOPHYSICAL UNION (11TH: 1984: HALIFAX, N.S.) = PROGRAMME CONJOINT AVEC RESUMES; CONGRES ANNUEL, SOCIETE CANADIENNE DE METEOROLOGIE ET D'OCEANOGRAPHIE (18E: 1984: HALIFAX, N.-E.) [ET] REUNION ANNUELLE, L'UNION CANADIENNE DE GEOPHYSIQUE (11E: 1984: HALIFAX, N.-E.), ED., E.J. TRUHLAR. HALIFAX: THE CONFERENCE. P.45.

210

BELL, J.S., PODROUZEK, A.J. 1985. THE PRESENT DAY STRESS REGIME OF THE SCOTTIAN SHELF [ABSTRACT]. IN: GEOPHYSICS; "THE FACTS OF THE EARTH"; C.S.E.G./C.G.U. NATIONAL CONVENTION, [ABSTRACTS] (1985: CALGARY).: 45.

DRILLING, LOGGING AND TESTING RECORDS SUGGEST THAT THE SCOTTIAN SHELF CENOZOIC AND MESOZOIC SEDIMENTS ARE CURRENTLY SUBJECTED TO A COMPRESSIONAL STRESS REGIME WHERE $SH > SV > SH$ AND SH IS ORIENTED NE-SW. THIS IS BELIEVED TO BE CAUSED BY TRACTION ON THE BASE OF THE LITHOSPHERE EXERTED BY A CONVECTING MANTLE.

211

BELL, J.S., PODROUZEK, A.J. 1987. THE STRESS REGIME OF THE BEAUFORT SEA MACKENZIE DELTA AREA, NORTHERN CANADA [ABSTRACT]. GEOLOGICAL ASSOCIATION OF CANADA/MINEROLOGICAL ASSOCIATION OF CANADA ANNUAL MEETING, ABSTRACTS 12: 24.

SHIMAX RANGES FROM ENE TO NNE AND IS PERPENDICULAR TO SHALE DIAPIR AXES. OVER SHALE DISPIRS $SH_{MAX} > SV = SH_{MIN}$, OVER LISTRICALLY FAULTED AREAS $SH_{MAX} > SV > SH_{MIN}$.

212

BELL, J.S., PODROUZEK, A.J., BABCOCK, E.A., ERVINE, W.B., ADAMS, J. 1987. STRESS REGIMES OF CANADIAN SEDIMENTARY BASINS [ABSTRACT]. IN: INTERNATIONAL UNION OF GEODESY AND GEOPHYSICS GENERAL ASSEMBLY (19TH: 1987: VANCOUVER), ABSTRACTS. INTERNATIONAL UNION OF GEODESY AND GEOPHYSICS (IUGG). P.1113.

THE LABRADOR SHELF, GRAND BANKS, SCOTTIAN SHELF, BEAUFORT-MACKENZIE DELTA AND W. CANADIAN BASIN ALL LIE WITHIN THE MID AMERICAN STRESS PROVINCE (SH_{MAX} - NE TO ENE). LOCAL ANOMALOUS REGIONS EXIST.

213

BELL, J.S., PODROUZEK, A.J., ERVINE, W.B. 1986. OFFSHORE IN-SITU STRESS REGIMES IN EASTERN CANADA [ABSTRACT]. IN: RESERVES CANADA 21; "CANADA'S HYDROCARBON RESERVES FOR THE 21ST CENTURY"; C.S.P.G. 1986 CONVENTION; PROGRAM AND ABSTRACTS (1986: CALGARY). [CALGARY: THE CONVENTION]. P.26.

THE SCOTTIAN SHELF, GULF OF ST. LAWRENCE AND SOUTHERN GRAND BANKS ARE UNDER LATERAL COMPRESSION WITH SH ORIENTED NE-SW AND $SH > SV > SH$. THE NORTHERN GRAND BANKS AND LABRADOR SHELF ARE UNDER EXTENSION WITH SH ORIENTED NNE-SSW AND $SV > SH > SH$.

214

BENSON, W.E., SHERIDAN, R.E., ENOS, P., FREEMAN, T., GRADSTEIN, F.M., MURDMAA, I.O., PASTOURET, L. 1978. SITE 392: SOUTH RIM OF BLAKE NOSE. IN: INITIAL REPORTS OF THE DEEP SEA DRILLING PROJECT, W.E. BENSON, R.E. SHERIDAN, ET AL. WASHINGTON: U.S. GOVERNMENT PRINTING OFFICE. V.44: 337-393. (BIO CONTRIBUTION NO. 810).

DURING LEG 44 OF THE DEEP SEA DRILLING PROJECT FIVE SITES (388- 392) COMPRISING 11 HOLES WERE DRILLED IN THE WESTERN NORTH ATLANTIC OCEAN OFF THE EAST COAST OF THE UNITED STATES. WATER DEPTH AT THE SITES RANGES FROM ABOUT 2600 TO 5000 METRES. A TOTAL OF 1342.5 METRES WAS CORED, OF WHICH 546.8 METRES WERE RECOVERED (41%) IN 149 CORES. SEDIMENTS RANGE FROM LATE JURASSIC THROUGH QUATERNARY ALTHOUGH NO CENOMANIAN-SANTONIAN, UPPER EOCENE(?) OLIGOCENE, AND PLIOCENE SEDIMENTS WERE FOUND.

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BENSON, W.E., SHERIDAN, R.E., ENOS, P., FREEMAN, T., GRADSTEIN, F., MURDMAA, I.O., PASTOURET, L., SCHMIDT, R.R., STUERMER, D.H., WEAVER, F.M., WORSTELL, P. 1978. SITE 388: LOWER CONTINENTAL RISE HILLS. IN: INITIAL REPORTS OF THE DEEP SEA DRILLING PROJECT, W.E. BENSON, R.E. SHERIDAN, ET AL. WASHINGTON: U.S. GOVERNMENT PRINTING OFFICE. V.44: 23-67. (BIO CONTRIBUTION NO. 810).

DURING LEG 44 OF THE DEEP SEA DRILLING PROJECT FIVE SITES (388- 392) COMPRISING 11 HOLES WERE DRILLED IN THE WESTERN NORTH ATLANTIC OCEAN OFF THE EAST COAST OF THE UNITED STATES. WATER DEPTH AT THE SITES RANGES FROM ABOUT 2600 TO 5000 METRES. A TOTAL OF 1342.5 METRES WAS CORED, OF WHICH 546.8 METRES WERE RECOVERED (41%) IN 149 CORES. SEDIMENTS RANGE FROM LATE JURASSIC THROUGH QUATERNARY ALTHOUGH NO CENOMANIAN-SANTONIAN, UPPER EOCENE(?) OLIGOCENE, AND PLIOCENE SEDIMENTS WERE FOUND.

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BENSON, W.E., SHERIDAN, R.E., ENOS, P., FREEMAN, T., GRADSTEIN, F.M., MURDMAA, I.O., PASTOURET, L., SCHMIDT, R.R., STUERMER, D.H., WEAVER, F.M., WORSTELL, P. 1978. SITE 391: BLAKE-BAHAMA BASIN. IN: INITIAL REPORTS OF THE DEEP SEA DRILLING PROJECT, W.E. BENSON, R.E. SHERIDAN, ET AL. WASHINGTON: U.S. GOVERNMENT PRINTING OFFICE. V.44: 153-336. (BIO CONTRIBUTION NO. 810).

DURING LEG 44 OF THE DEEP SEA DRILLING PROJECT FIVE SITES (388-392) COMPRISING 11 HOLES WERE DRILLED IN THE WESTERN NORTH ATLANTIC OCEAN OFF THE EAST COAST OF THE UNITED STATES. WATER DEPTH AT THE SITES RANGES FROM ABOUT 2600 TO 5000 METRES. A TOTAL OF 1342.5 METRES WAS CORED, OF WHICH 546.8 METRES WERE RECOVERED (41%) IN 149 CORES. SEDIMENTS RANGE FROM LATE JURASSIC THROUGH QUATERNARY ALTHOUGH NO CENOMANIAN-SANTONIAN, UPPER EOCENE(?) OLIGOCENE, AND PLIOCENE SEDIMENTS WERE FOUND.

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BENSON, W.E., SHERIDAN, R.E., ENOS, P., FREEMAN, T., GRADSTEIN, F.M., MURDMAA, I.O., PASTOURET, L., SCHMIDT, R.R., STUERMER, D.H., WEAVER, F.M., WORSTELL, P. 1978. SITES 389 AND 390: NORTH RIM OF BLAKE NOSE. IN:

INITIAL REPORTS OF THE DEEP SEA DRILLING PROJECT, W.E. BENSON, R.E. SHERIDAN, ET AL. WASHINGTON: U.S. GOVERNMENT PRINTING OFFICE. V.44: 69-151. (BIO CONTRIBUTION NO. 810).

DURING LEG 44 OF THE DEEP SEA DRILLING PROJECT FIVE SITES (388- 392) COMPRISING 11 HOLES WERE DRILLED IN THE WESTERN NORTH ATLANTIC OCEAN OFF THE EAST COAST OF THE UNITED STATES. WATER DEPTH AT THE SITES RANGES FROM ABOUT 2600 TO 5000 METRES. A TOTAL OF 1342.5 METRES WAS CORED, OF WHICH 546.8 METRES WERE RECOVERED (41%) IN 149 CORES. SEDIMENTS RANGE FROM LATE JURASSIC THROUGH QUATERNARY ALTHOUGH NO CENOMANIAN-SANTONIAN, UPPER EOCENE(?) OLIGOCENE, AND PLIOCENE SEDIMENTS WERE FOUND.

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BENSON, W.E., SHERIDAN, R.E., ENOS, P., [FREEMAN, T.], [GRADSTEIN, F.M.], [MURDMAA, I.O.], [PASTOURET, L.], [SCHMIDT, R.R.], [STUERMER, D.H.], [WEAVER, F.M.], [WORSTELL, P.] 1975. PRELIMINARY RESULTS FROM LEG 44 DEEP SEA DRILLING PROJECT IN WESTERN NORTH ATLANTIC [ABSTRACT]. AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS BULLETIN 60(4): 649.

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BERGER, J., BLANCHARD, J.E., KEEN, M.J., MCALLISTER, R.E., TSONG, C.F. 1965. GEOPHYSICAL OBSERVATIONS ON SEDIMENTS AND BASEMENT STRUCTURE UNDERLYING SABLE ISLAND, NOVA SCOTIA. AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS BULLETIN 49(7): 959-965.

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BERGGREN, W.A., GRADSTEIN, F.M. 1981. AGGLUTINATED BENTHONIC FORAMINIFERAL ASSEMBLAGES IN THE PALAEOGENE OF THE CENTRAL NORTH SEA: THEIR BIOSTRATIGRAPHIC AND DEPOSITIONAL ENVIRONMENTAL SIGNIFICANCE. IN: THE PETROLEUM GEOLOGY OF THE CONTINENTAL SHELF OF NORTHWEST EUROPE, ED., L.V. ILLING AND G.D. HOBSON. LONDON: HEYDEN AND SON. P.282-285. (BIO CONTRIBUTION NO. 923).

GEOLOGICAL SIGNIFICANCE OF AGGLUTINATED FORAMINIFERAL FACIES; CORRELATION OF ZONATIONS TO STRATOTYPES; SYNTHESIS FIGURES OF PALEOGENE EVENTS.

223

BERGGREN, W.A., GRADSTEIN, F.M., HOBSON, G.D., ILLING, L.V. 1979. AGGLUTINATED BENTHONIC FORAMINIFERAL ASSEMBLAGES IN THE PALAEOGENE OF THE CENTRAL NORTH SEA; THEIR BIOSTRATIGRAPHIC AND DEPOSITIONAL ENVIRONMENTAL SIGNIFICANCE.

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BEWERS, J.M., MACAULAY, I.D., SUNDBY, B., BUCKLEY, D.E. 1975. DATA ARE FOR LOOKING AT, OR QUALITY CONTROL THROUGH INTERPRETATION. IN: WATER QUALITY PARAMETERS. PHILADELPHIA: AMERICAN SOCIETY FOR TESTING AND MATERIALS. P.550-565. (ASTM SPECIAL TECHNICAL PUBLICATION 573) (BIO CONTRIBUTION NO. 500).

A SYSTEM OF PRELIMINARY DATA INSPECTION AND INTERPRETATION IS PROPOSED AS A METHOD OF PROVIDING CORRECTIVE FEEDBACK TO ANALYTICAL AND SAMPLING OPERATIONS IN WATER QUALITY PROGRAMS. DATA FROM THE NATIONAL WATER QUALITY DATA FILE (NAQUADAT) IS USED TO DEMONSTRATE HOW THE SYSTEM ENABLES FAULTS IN WATER QUALITY OPERATIONS TO BE DETECTED AND CORRECTED.

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BHATTACHARYYA, P.J., HYNDMAN, R.D., KEEN, M.J. 1975. BATHYMETRIC AND MAGNETIC STUDIES ON THE MID-ATLANTIC RIDGE AT 45 DEGREES N. CANADIAN JOURNAL OF EARTH SCIENCES 12(3): 337-346.

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BINDA, G.G., DAY, T.J., SYVITSKI, J.P.M. 1986. TERRESTRIAL SEDIMENT TRANSPORT INTO THE MARINE ENVIRONMENT OF CANADA: ANNOTATED BIBLIOGRAPHY AND DATA. [OTTAWA?]: ENVIRONMENT CANADA, INLAND WATERS DIRECTORATE, WATER RESOURCES BRANCH. 84P. (SEDIMENT SURVEY SECTION [REPORT] IWD-HQ-WRB-SS-86-1).

THIS REPORT CONSISTS OF A COMPILATION OF REFERENCE MATERIAL PERTAINING TO SEDIMENT TRANSPORT INTO THE MARINE ENVIRONMENT OF CANADA. IT IS DIVIDED INTO THREE SECTIONS: 1) REFERENCES AND ABSTRACTS, 2) TABLES SHOWING WSC DATA AND DATA CONTAINED IN SPECIFIC STUDIES AND 3) A MAP SHOWING THE SITES WITH AVAILABLE DATA.

228

BISCARRAT, P.A., DE LOMBARES, G., BIDGOOD, E.T., GRANT, A.C. 1975. OFFSHORE LABRADOR BOTTOM SURVEY REPORT AUGUST, 1972. GEOLOGICAL SURVEY OF CANADA OPEN FILE 247. 53P.

A SIDE SCAN SONAR SURVEY ON HAMILTON BANK REVEALS NUMEROUS ICEBERG FURROWS OF VARIABLE AGE AND ORIENTATION.

229

BLAKE, W., JR., LEWIS, C.F.M. 1975. MARINE SURFICIAL GEOLOGY; OBSERVATIONS IN THE HIGH ARCTIC. GEOLOGICAL SURVEY OF CANADA PAPER 75-1A: 383-387.

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BLASCO, S. 1983. SEABED GEOLOGY OF THE CANADIAN BEAUFORT CONTINENTAL SHELF [ABSTRACT]. IN: ALASKA/CANADA NORTH; NEIGHBOURS IN SCIENCES; PROCEEDINGS; ALASKA SCIENCE CONFERENCE (34TH: 1983: WHITEHORSE, YUKON TERRITORIES). THE CONFERENCE. P. 56.

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BLASCO, S.M. 1984. A PERSPECTIVE ON THE DISTRIBUTION OF SUBSEA PERMAFROST ON THE CANADIAN BEAUFORT CONTINENTAL SHELF. IN: PERMAFROST; INTERNATIONAL CONFERENCE (4TH: 1983: FAIRBANKS, AK); FINAL PROCEEDINGS. WASHINGTON: NATIONAL ACADEMY PRESS. P.83-86.

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BLASCO, S.M. 1986. ICE SCOUR TERMINOLOGY. IN: ICE SCOUR AND SEABED ENGINEERING: PROCEEDINGS OF A WORKSHOP ON ICE SCOUR RESEARCH, ED., C.F.M. LEWIS [ET AL.]. OTTAWA: ENVIRONMENTAL STUDIES REVOLVING FUNDS. P.170-171. (ENVIRONMENTAL STUDIES REVOLVING FUNDS REPORT NO. 049).

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BLASCO, S.M. 1986. REGIONAL ICE-SCOUR STUDIES AND DATA BASES: ISSUES AND CONCERNS. IN: ICE SCOUR AND SEABED ENGINEERING: PROCEEDINGS OF A WORKSHOP ON ICE SCOUR RESEARCH, ED., C.F.M. LEWIS [ET AL.]. OTTAWA: ENVIRONMENTAL STUDIES REVOLVING FUNDS. P.206-207. (ENVIRONMENTAL STUDIES REVOLVING FUNDS REPORT NO. 049).

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BLASCO, S.M. 1987. STRATIGRAPHY, ORIGIN AND QUATERNARY HISTORY OF THE MACKENZIE TROUGH, CANADIAN BEAUFORT CONTINENTAL SHELF. IN: ARCTIC WORKSHOP(16TH: 1987: EDMONTON), ABSTRACTS. EDMONTON, ALBERTA: BOREAL INSTITUTE FOR NORTHERN STUDIES, UNIVERSITY OF ALBERTA. P.8-10.

FOUR SEISMOSTRATIGRAPHIC UNITS CONSTRAINED BY LIMITED BOREHOLE DATA HAVE BEEN IDENTIFIED IN THE MACKENZIE TROUGH ABOVE A SMOOTH, U-SHAPED BASAL UNCONFORMITY. THE TROUGH HAS BEEN EXCAVATED TO A DEPTH OF MORE THAN 500 METRES BELOW SEA LEVEL BY THE REPEATED ACTION OF ICE TONGUES DURING THE PLEISTOCENE. EVIDENCE SUPPORTS THE OCCURRENCE OF AT LEAST TWO ADVANCES, ONE IN THE EARLY WISCONSINAN OR EARLIER AND THE OTHER IN THE LATE WISCONSINAN.

235

BLASCO, S.M., BORNHOLD, B.D., LEWIS, C.F.M. 1979. PRELIMINARY RESULTS OF SURFICIAL GEOLOGY AND GEOMORPHOLOGY STUDIES OF THE LOMONOSOV RIDGE, CENTRAL ARCTIC BASIN. GEOLOGICAL SURVEY OF CANADA PAPER 79-1C: 73-83.

DISCUSSION OF FIELD OPERATIONS USED FOR THE COLLECTION OF SUBBOTTOM AND SEISMIC REFLECTION PROFILES, SEDIMENT SAMPLES, SEABED PHOTOGRAPHS AND PLANKTON HAULS FROM AN ICE FLOE TO MORE CLEARLY DEFINE THE ORIGIN AND GEOLOGIC NATURE OF THE LOMONOSOV RIDGE NEAR THE NORTH GEOGRAPHIC POLE, AND DISCUSSION OF THE PRELIMINARY RESULTS.

236

BLASCO, S.M., HARPER, J.R., FORBES, D.L. 1985. SEDIMENT DISTRIBUTION AND DYNAMICS IN THE SOUTHERN BEAUFORT SEA. IN: PROCEEDINGS, WORKSHOP ON ARCTIC REGIONAL COASTAL EROSION AND SEDIMENTATION = COMPTES RENDUS, L'ATELIER SUR L'EROSION ET LA SEDIMENTATION LITTORALES DANS L'ARCTIQUE (1983: CALGARY, ALBERTA). [OTTAWA]: NATIONAL RESEARCH COUNCIL CANADA, ASSOCIATE COMMITTEE FOR RESEARCH ON SHORELINE EROSION AND SEDIMENTATION. P.1-2.

WE SUMMARIZE THE DISTRIBUTION OF SURFICIAL MATERIALS ON THE SHELF AND COAST OF THE SOUTHERN BEAUFORT SEA, USING RESULTS OF COASTAL MAPPING AND A SYNTHESIS OF HIGH-RESOLUTION SEISMIC REFLECTION AND BOREHOLE DATA. WE ALSO PRESENT A PRELIMINARY SEDIMENT BUDGET AND A REVIEW OF THE MAJOR SEDIMENT TRANSPORT PROCESSES.

237

BLASCO, S., JOHNSON, G.L., MAYER, L., THIEDE, J. 1987. DRILLING WILL REVEAL IMPORTANT CHANGES. GEOTIMES 1987. P. 8-9.

DESCRIBES GLOBAL AND REGIONAL SCIENTIFIC RATIONALE FOR ARCTIC DRILLING THE PHYSICAL ENVIRONMENTS THAT MUST BE DRILLED AND THE DRILLING TECHNOLOGIES NEEDED TO MEET SCIENTIFIC OBJECTIVES.

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BLASCO, S.M., LEWIS, C.F.M., BORNHOLD, B.D. 1980. SURFICIAL GEOLOGY AND GEOMORPHOLOGY OF THE LOMONOSOV RIDGE [ABSTRACT]. EOS; TRANSACTIONS, AMERICAN GEOPHYSICAL UNION 61(17): 276.

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BLASCO, S.M., MACLEAN, B. 1986. ENGINEERING GEOLOGY OF THE SVERDRUP BASIN AND BEAUFORT SEA [ABSTRACT]. IN: GEOLOGICAL SURVEY OF CANADA FORUM; ACTIVITIES ON OIL AND GAS IN CANADA; PROGRAM AND ABSTRACTS OF TALKS (1986: CALGARY). [CALGARY: THE CONFERENCE]. P.5.

DESCRIPTION OF SURVEY METHODOLOGIES AND REGIONAL SURFICIAL GEOLOGIC FRAMEWORKS INCLUDING RELATED ASPECTS OF SEABED STABILITY, SEDIMENT PROPERTIES, ICE SCOURING, SUBSEA PERMAFROST AND SEDIMENT DYNAMICS AS PRESENTLY UNDERSTOOD.

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BLASCO, S.M., O'CONNOR, M.J. 1986. NATURE AND DISTRIBUTION OF SUBSEA PERMAFROST, CANADIAN BEAUFORT CONTINENTAL SHELF [ABSTRACT]. GEOLOGICAL ASSOCIATION OF CANADA/MINERALOGICAL ASSOCIATION OF CANADA/CANADIAN GEOPHYSICAL UNION 11: 46.

PERMAFROST OCCURS TO DEPTHS OF 700M BELOW SEABED AND IS MULTI-LAYERED IN ITS DISTRIBUTION. FACTORS CONTROLLING ITS OCCURRENCE INCLUDE SEA LEVEL HISTORY PRIMARY AND SECONDARY DEPOSITIONAL ENVIRONMENTS AND THERMAL HISTORY DURING THE QUATERNARY.

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BLASCO, S.M., WALKER, H.J. 1986. PERMAFROST DELTAS AND SHELVES. IN: CONFERENCE REPORTS; ARCTIC LAND-SEA INTERACTIONS, BY J.P.M. SYVITSKI AND G. VILKS. GEOSCIENCE CANADA 13(4): 259.

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BONHAM-CARTER, G.F., GRADSTEIN, F.M., D'IORIO, M.A. 1986. DISTRIBUTION OF CENOZOIC FORAMINIFERA FROM THE NORTHWESTERN ATLANTIC MARGIN ANALYZED BY CORRESPONDENCE ANALYSIS. COMPUTERS AND GEOSCIENCES 12(4B): 621-635.

CORRESPONDENCE ANALYSIS EXPLAINS THAT STRONG LATITUDINALLY CONTROLLED BIOGRAPHIC GRADIENTS DIFFER BETWEEN MICROFAUNIL GROUPS. FORAMINIFERA SHOW A STRAIGHT FORWARD CLIMATICALLY - INDUCED BIOGRAPHIC TREND.

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BORNHOLD, B.D., LEWIS, C.F.M. 1976. MARINE GEOLOGY OF WESTERN LANCASTER SOUND [ABSTRACT]. GEOLOGICAL ASSOCIATION OF CANADA PROGRAM WITH ABSTRACTS 1: 81.

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BORNHOLD, B.D., LEWIS, C.F.M., FENERTY, N.E. 1975. ARCTIC MARINE SURFICIAL GEOLOGY; AIDJEX 1975. GEOLOGICAL SURVEY OF CANADA PAPER 75-1C: 79-84.

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BOUDREAU, B.P. 1986. MATHEMATICAL MODELS OF BIOLOGICALLY INDUCED SEDIMENT MIXING [ABSTRACT]. IN: FLUXES OF PARTICULATE MATTER ACROSS BENTHIC BOUNDARIES: A WORKSHOP REPORT, ED., D.J. WILDISH. CANADIAN TECHNICAL REPORT OF FISHERIES AND AQUATIC SCIENCES 1458: 2-3.

A NEW INTEGRO-DIFFERENTIAL MODEL FOR BIOTURBATION IS DEVELOPED WHICH CAN ACCOUNT FOR NONLOCAL FORMS OF MIXING.

246

BOUDREAU, B.P. 1986. MATHEMATICS OF TRACER MIXING IN SEDIMENTS. II. NONLOCAL MIXING AND BIOLOGICAL CONVEYOR-BELT PHENOMENA. AMERICAN JOURNAL OF SCIENCE 286(3): 199-238.

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247

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BOWEN, A.J. 1986. L'ETUDE CANADIENNE DES SEDIMENTS LITTORAUX; RAPPORT FINAL DU COMITE D'ORIENTATION. OTTAWA: DIVISION OF MECHANICAL ENGINEERING, NATIONAL RESEARCH COUNCIL OF CANADA. P.114P. (HYDRAULICS LABORATORY

(NATIONAL RESEARCH COUNCIL OF CANADA). (TECHNICAL REPORT TR-HY-013).

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 BOYD, R., BOWEN, A.J., HONIG, C. 1985. TRANSGRESSIVE SEDIMENTATION, EASTERN SHORE, NOVA SCOTIA: [FIELD TRIP C] - ARCTIC LAND-SEA INTERACTION; ARCTIC WORKSHOP (14TH: 1985: [BEDFORD INSTITUTE OF OCEANOGRAPHY, DARIMOUTH, N.S.]). [DARIMOUTH, N.S.: THE WORKSHOP]. 39P. (GEOLOGICAL SURVEY OF CANADA OPEN FILE 1324).
- THE GUIDE INCLUDES A BACKGROUND PAPER "AN EVOLUTIONARY MODEL FOR TRANSGRESSIVE SEDIMENTATION ON THE EASTERN SHORE OF NOVA SCOTIA" BY R. BOYD, A.J. BOWEN AND R.K. HALL, 39PP. FOUR FIELD STOPS ARE DESCRIBED IN AND AROUND LAWRENCETOWN BEACH BY R. BOYD AND D. FITZGERALD.
- 251
 BOYD, R., FORBES, D.L. 1986. WAVE FORMED RIPPLES ON THE SHOREFACE [ABSTRACT]. IN: SEDIMENTS DOWN UNDER; INTERNATIONAL SEDIMENTOLOGICAL CONGRESS; ABSTRACTS (12TH: 1986: CANBERRA). Fyshwick, ACT: HIGHLAND PRESS. P.39.
- WAVE-FORMED RIPPLES HAVE BEEN STUDIED OFF THE COAST OF NOVA SCOTIA USING SIDESCAN, SUBMERSIBLE OBSERVATIONS, AND RALPH TIME-LAPSE PHOTOGRAPHY. DATA INDICATE A RANGE OF SAND AND GRAVEL RIPPLE TYPES WITH WAVELENGTHS FROM 0.07 TO 3 M. QUANTITATIVE RECORDS OF RIPPLE MIGRATION AND ORIENTATION BEHAVIOUR ARE BELIEVED TO BE AMONG THE FIRST SUCH MEASUREMENTS IN A NATURAL OCEAN SETTING.
- 252
 BOYD, R., FORBES, D.L., HEFFLER, D.E. 1983. FAIRWEATHER SEDIMENT DISPERSAL ON THE SHOREFACE OF THE NOVA SCOTIA ATLANTIC COAST [ABSTRACT]. EOS; TRANSACTIONS, AMERICAN GEOPHYSICAL UNION 64(52): 1102.
- 253
 BOYD, R.W., PIPER, D.J.W. 1976. BAFFIN BAY CONTINENTAL SHELF CLAY MINERALOGY. MARITIME SEDIMENTS 12(1): 17-18.
- 254
 BRIDEAUX, W.W., WILLIAMS, G.L. 1975. PALYNOLOGICAL ANALYSIS OF MESOZOIC-CENOZOIC SEDIMENTS OF THE GRAND BANKS AND SCOTIAN SHELF, ATLANTIC CONTINENTAL MARGIN, CANADA [ABSTRACT]. IN: AMERICAN ASSOCIATION OF STRATIGRAPHIC PALYNOLOGISTS, PROCEEDINGS OF THE ANNUAL MEETING (6TH: 1973: ANAHEIM, CA). BATON ROUGE, LA: LOUISIANA STATE UNIVERSITY, SCHOOL OF GEOSCIENCE. P.154. (GEOSCIENCE AND MAN 11).
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 BRIGHAM-GRETTE, J., BLASCO, S.M., MILLER, G.H. 1987. DISCREPANCIES IN THE AMINO ACID GEOCHRONOLOGY OF ARCTIC OCEAN CORES [ABSTRACT]. IN: INTERNATIONAL UNION FOR QUATERNARY RESEARCH INTERNATIONAL CONGRESS (12TH: 1987: OTTAWA)

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AMINO ACID CHRONOLOGY AND PALEOMAGNETIC STRATIGRAPHY OF ARCTIC BASIN CORES ARE NOT ALWAYS CORRELATIVE, PARTICULARLY FOR SEDIMENTS, >1.5 TO 2.0 MA. ALTHOUGH SIMILAR SEDIMENT FACIES EXIST ACROSS THE ARCTIC BASIN, THEY ARE NOT NECESSARILY OF THE SAME AGE EVERYWHERE AS CURRENTLY IMPLIED.

256

BROOKE OCEAN TECHNOLOGY LTD. 1985. WIRE PROTECTION PROGRAM. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1202. 32P. & 12 PHOTOS.

THE REPORT RESULTS FROM A CONTRACT TO BROOKE OCEAN TECHNOLOGY LTD. BY AGC IN 1984-85 WITH REPORTS ON INVESTIGATIONS CARRIED OUT AND METHODS RECOMMENDED TO HANDLE, CLEAN AND LUBRICATE VARIOUS OCEANOGRAPHIC CABLES. IT ALSO INVESTIGATES AND TESTS A NUMBER OF AVAILABLE CABLE LUBRICANTS WITH RESULTS REPORTED ON THESE TESTS.

257

BROWN, J.D., RASHID, M.A. 1975. GEOTECHNICAL PROPERTIES OF NEARSHORE SEDIMENTS OF CANSO STRAIT, NOVA SCOTIA. CANADIAN GEOTECHNICAL JOURNAL 12(1): 44-57. (BIO CONTRIBUTION NO. 451).

THE FINE TO MEDIUM SANDS WERE FOUND SUSCEPTIBLE TO LIQUIFACTION UNDER SUDDEN STRESS WHEREAS THE SILTY CLAYS AND CLAYEY SILTS EXHIBITED A RESERVE RESISTANCE TO APPLIED STRESS.

258

BRUNT, M.A., GIGLIOLI, M.E.C., MATHER, J.D., PIPER, D.J.W., RICHARDS, H.G. 1973. THE PLEISTOCENE ROCKS OF THE CAYMAN ISLANDS. GEOLOGICAL MAGAZINE 110(3): 209-221.

259

BRYANT, E. 1978. WAVE CLIMATE EFFECTS UPON CHANGING BARRIER ISLAND MORPHOLOGY, KOUCHIBOUGUAC BAY, NEW BRUNSWICK. MARITIME SEDIMENTS 14(2): 49-62.

PAPER RELATES CHANGES IN BARRIER ISLAND MORPHOLOGY TO LONG AND SHORT TERM WAVE CONDITIONS IN KOUCHIBOUGUAC BAY.

260

BUCKLEY, D.E. 1963. RECENT MARINE SEDIMENTS OF LANCASTER SOUND, DISTRICT OF FRANKLIN. UNIVERSITY OF WESTERN ONTARIO, MASTERS THESIS. 124P.

261

BUCKLEY, D.E. 1964. MECHANICAL ANALYSIS OF MACROSCOPIC DISPERSAL SYSTEMS BY MEANS OF A SETTLING TUBE. BIO REPORT SERIES 64-2. 43P.

262

BUCKLEY, D.E. 1969. SEDIMENTOLOGICAL STUDIES AT MALPEQUE BAY, PRINCE EDWARD ISLAND. BIO REPORT SERIES AOL 69-3. 60P.

- 263
BUCKLEY, D.E. 1971. RECENT MARINE SEDIMENTS OF LANCASTER SOUND, DISTRICT OF FRANKLIN. MARITIME SEDIMENTS 7(3): 96-117.
- 264
BUCKLEY, D.E. 1972. GEOCHEMICAL INTERACTION OF SUSPENDED SILICATES WITH RIVER AND MARINE ESTUARINE WATER. IN: INTERNATIONAL GEOLOGICAL CONGRESS (24TH: 1972 : MONTREAL), SECTION 10, GEOCHEMISTRY. OTTAWA: THE CONGRESS. P.282-290.
- 265
BUCKLEY, D.E. 1973. GEOCHEMICAL INTERACTIONS BETWEEN WATER AND PARTICULATE SOLIDS AND MODELS FOR THE MECHANISMS OF METAL DISPERSION AND ACCUMULATION IN MARINE ENVIRONMENTS. GEOLOGICAL SURVEY OF CANADA PAPER 73-1A: 104-106.
- 266
BUCKLEY, D.E. 1974. ENVIRONMENTAL MARINE GEOLOGY OF A COASTAL INLET. GEOLOGICAL SURVEY OF CANADA PAPER 74-1A: 111-112.
- 267
BUCKLEY, D.E. 1974. ENVIRONMENTAL MARINE GEOLOGY OF A COASTAL INLET: A SUMMARY OF RESULTS OF THE IMPACT OF MAN ON THE MARINE ENVIRONMENT OF CANSO STRAIT AND CHEDABUCTO BAY. GEOLOGICAL SURVEY OF CANADA PAPER 74-1B: 115-118.
- 268
BUCKLEY, D.E. 1975. ENVIRONMENTAL MARINE GEOLOGY. BEDFORD INSTITUTE OF OCEANOGRAPHY BIENNIAL REVIEW 1973/74: 165-175.
- 269
BUCKLEY, D.E. 1977. WORKSHOP ON ENVIRONMENTAL ASPECTS OF FUNDY TIDAL POWER [REPORT]. GEOSCIENCE CANADA 4(1): 49-51.
- 270
BUCKLEY, D.E. 1979. RAPPORTEUR SUMMARY OF PANEL DISCUSSION ON TERRESTRIAL EFFECTS. IN: PROCEEDINGS OF A WORKSHOP ON LONG RANGE TRANSPORT OF AIR POLLUTION AND ITS EFFECTS ON THE ATLANTIC REGION (1979: DARIMOUTH, NOVA SCOTIA). BEDFORD, N.S.: ATMOSPHERIC ENVIRONMENT SERVICE. P.54-56.
- 271
BUCKLEY, D.E. 1980. BOOK REVIEW OF OCEAN DUMPING AND MARINE POLLUTION - GEOLOGICAL ASPECTS OF WASTE DISPOSAL, ED., H.D. PALMER AND M.G. GROSS. GEOSCIENCE CANADA 7(2): 92.
- 272
BUCKLEY, D.E. 1980. SUMMARY OF NATIONAL POLICIES AND POSITIONS: CANADA. IN: PROCEEDINGS OF THE ANNUAL NEA-SEABED WORKING GROUP MEETING (5TH: 1980: BRISTOL, ENG.), ED., D.R.ANDERSON. ALBUQUERQUE,NM:SANDIA NATIONAL LABORATORIES. P.11-28. AVAILABLE FROM NTIS:SAND 80-0754.
- 273
BUCKLEY,D.E. 1981. GEOLOGICAL INVESTIGATION OF A SELECTED AREA OF THE SOHM

ABYSSAL PLAIN, WESTERN ATLANTIC; CSS HUDSON CRUISE 80-016. ATOMIC ENERGY OF CANADA LTD. TECHNICAL REPORT SERIES TR-168. 38P.

274

BUCKLEY, D.E. 1981. SITE SELECTION TASK GROUP: CANADA: GEOLOGICAL INVESTIGATIONS OF DISTAL ABYSSAL PLAINS - WESTERN ATLANTIC. IN: PROCEEDINGS OF THE ANNUAL NEA-SEABED WORKING GROUP MEETING (6TH: 1981: PARIS), ED., D.R.ANDERSON. ALBUQUERQUE, NM: SANDIA NATIONAL LABORATORIES. P.93-111. AVAILABLE FROM NTIS: SAND 81-0427.

275

BUCKLEY, D.E. 1982. DEEP SEA SEDIMENTS AS AN ALTERNATIVE MEDIUM FOR NUCLEAR WASTE DISPOSAL [ABSTRACT]. IN: GEOTECHNICAL RESEARCH: PROCEEDINGS OF THE NUCLEAR FUEL WASTE MANAGEMENT INFORMATION MEETING (7TH: 1980: OTTAWA). ATOMIC ENERGY OF CANADA LTD. TECHNICAL REPORT SERIES TR-190: 5-6.

276

BUCKLEY, D.E. 1982. ENVIRONMENTAL SEDIMENTOLOGY. EPISODES 1982(2): 10-11.

277

BUCKLEY, D.E. 1982. SITE SELECTION TASK GROUP NATIONAL PROGRESS REPORTS: CANADA. IN: PROCEEDINGS OF THE INTERNATIONAL NEA-SEABED WORKING GROUP MEETING (7TH: 1982: LA JOLLA, CA), ED., D.R.ANDERSON. ALBUQUERQUE, NM: SANDIA NATIONAL LABORATORIES. P.69-73. AVAILABLE FROM NTIS: SAND 82-0460.

278

BUCKLEY, D. 1983. GEOCHEMICAL METHODS AT SEA. BIO REVIEW '83: 52.

279

BUCKLEY, D.E. 1983. INITIAL INVESTIGATION OF THE GEOCHEMISTRY OF SURFICIAL SEDIMENTS ON THE CHANGJIANG RIVER SUBMERGED DELTA. IN: PROCEEDINGS OF INTERNATIONAL SYMPOSIUM ON SEDIMENTATION ON THE CONTINENTAL SHELF, WITH SPECIAL REFERENCE TO THE EAST CHINA SEA (1983: HANGZHOU, CHINA). BEIJING, CHINA: CHINA OCEAN PRESS. P.752-762. (DISTRIBUTED BY) SPRINGER-VERLAG.

FINE MUD FRACTIONS OF SEDIMENTS ON THE SUBMARINE DELTA ARE MOST IMPORTANT IN CONTROLLING THE CONCENTRATION OF TRANSITION METALS FE, MN, CU AND ZN. SUSPENDED SEDIMENTS DISCHARGED FROM BOTH THE NORTH AND SOUTH BRANCHES OF THE CHANGJIANG RIVER ARE THE PRIMARY SOURCE OF FE AND MN ON THE DELTA. CHEMICAL REDUCTION AND BIOTURBATION CAUSES MN AND CU TO BE RELEASED FROM THE BOTTOM MUDS WITH FE AND ZN RETAINED IN METAL OXIDES.

280

BUCKLEY, D.E. 1984. HAI YANG KE XUE ZHONG DE DUO XUE KE YAN JIU, GUOJIA HAI YANG JU DI ER HAI YANG YAN JIU SUO BIAN YI [MULTIDISCIPLINARY STUDIES IN THE MARINE SCIENCES]., TRANSLATED BY SECOND INSTITUTE OF OCEANOGRAPHY, NATIONAL BUREAU OF OCEANOGRAPHY. BEIJING: HAI YANG CHU BAN SHE [CHINA OCEAN PRESS]. 115P.

281

BUCKLEY, D.E. 1984. SILICON GEOCHEMISTRY AND BIOGEOCHEMISTRY, ED., S.R. ASTON [BOOK REVIEW]. GEOSCIENCE CANADA 11(2): 97-98.

THIS 6 CHAPTER VOLUME REVIEWS MANY OF THE OUTSTANDING PROBLEMS, SUCH AS GLOBAL MASS BALANCE, SOLUTION - PRECIPITATION MECHANISMS AND THE POSSIBLE FORMS OF SI IN NATURAL WATERS.

282

283

BUCKLEY, D.E. 1987. DEEP OCEAN SEDIMENT TRANSPORT, ED. BY A.R.M. NOWELL AND C.D. HOLLISTER [BOOK REVIEW]. SEDIMENTOLOGY 34(3): 528-530.

THIS VOLUME IS A COLLECTION OF PAPERS THAT REPORT ON THE FIRST FIVE YEARS OF RESEARCH RESULTING FROM THE HEBBLE PROJECT. THE BOOK PROVIDES VALUABLE INSIGHT ON THE DESIGN OF THE PROJECT, AND ON THE SIGNIFICANCE OF HIGH ENERGY BENTHIC BOUNDARY LAYER CURRENTS ALONG THE LOWER NOVA SCOTIA CONTINENTAL RISE.

284

BUCKLEY, D.E. 1987. FEASIBILITY OF HIGH LEVEL RADIOACTIVE WASTE DISPOSAL IN DEEP SEA SEDIMENTS: SITE ASSESSMENT AND SEDIMENT BARRIER CHARACTERISTICS. PROCEEDINGS, THE OCEANS - AN INTERNATIONAL WORKPLACE 5: 1624-1632. (GEOLOGICAL SURVEY OF CANADA CONTRIBUTION 21187).

AN INTERNATIONAL PROGRAM TO INVESTIGATE CONCEPT FEASIBILITY FOR DISPOSING OF NUCLEAR WASTE IN DEEP OCEAN SEDIMENTS HAS IDENTIFIED TWO POTENTIAL SITES IN THE NORTH ATLANTIC. APPLICATION OF SITE QUALIFICATION GUIDELINES THAT EMPHASIZE CRITERIA OF GEOLOGICAL STABILITY AND THE EFFECTIVE NATURE OF THE SEDIMENT BARRIER HAS INDICATED THAT ONLY ONE POSSIBLE SITE IN THE MADEIRA ABYSSAL PLAIN MAY MEET MOST OF THE MINIMUM QUALIFICATION GUIDELINES.

285

[BUCKLEY, D.E.], [CRANSTON, R.E.] 1970. [ANALYSES OF TRACE ELEMENTS IN SEA WATER BY MEANS OF ATOMIC ABSORPTION SPECTROSCOPY]. IN: TRACE ELEMENT INTERCALIBRATION STUDY, P.G. BREWER AND D.W. SPENCER. WOODS HOLE OCEANOGRAPHIC INSTITUTION TECHNICAL REPORT 70-62. 77P.

CHELATION AND SOLVENT EXTRACTION METHODS WERE USED TO QUANTITATIVELY DETERMINE 8 TRACE TRANSITION ELEMENTS, WHILE DIRECT ATOMIC ABSORPTION METHODS WERE USED FOR AN ADDITIONAL 2 ALKALI ELEMENTS.

286

BUCKLEY, D.E., CRANSTON, R.E. 1971. ATOMIC ABSORPTION ANALYSES OF 18 ELEMENTS FROM A SINGLE DECOMPOSITION OF ALUMINOSILICATE. CHEMICAL GEOLOGY 7: 273-284. (BIO CONTRIBUTION NO. 222).

287

BUCKLEY, D.E., CRANSTON, R.E. 1972. ATOMIC ABSORPTION ANALYSES OF EIGHTEEN ELEMENTS FROM A SINGLE DECOMPOSITION OF ALUMINOSILICATE - A REPLY. CHEMICAL GEOLOGY 9: 311-314.

QUESTIONS RAISED BY MR. ABBEY'S DISCUSSION ARE REFUTED AS BEING TRIVIAL

AND MISAPPROPRIATE.

288

BUCKLEY, D.E., CRANSTON, R.E. 1973. GEOCHEMICAL INTERACTIONS BETWEEN WATER AND PARTICULATE SOLIDS AND MODELS FOR THE MECHANISMS OF METAL DISPERSION AND ACCUMULATION IN MARINE ENVIRONMENTS. GEOLOGICAL SURVEY OF CANADA PAPER 73-1B: 75-76.

289

BUCKLEY, D.E., CRANSTON, R.E., VILKS, G. 1984. THE RELATIONSHIP BETWEEN GEOCHEMICAL PROFILES AND SEDIMENTOLOGICAL VARIABILITY IN THE SOUTHERN NARES ABYSSAL PLAIN DURING THE QUATERNARY [ABSTRACT]. IN: JOINT PROGRAMME WITH ABSTRACTS; ANNUAL CONGRESS, CANADIAN METEOROLOGICAL AND OCEANOGRAPHIC SOCIETY (18TH: 1984: HALIFAX, N.S.) [AND] ANNUAL MEETING, CANADIAN GEOPHYSICAL UNION (11TH: 1984: HALIFAX, N.S.) = PROGRAMME CONJOINT AVEC RESUMES; CONGRES ANNUEL, SOCIETE CANADIENNE DE METEOROLOGIE ET D'OCEANOGRAPHIE (18E: 1984: HALIFAX, N.-E.) [ET] REUNION ANNUELLE, L'UNION CANADIENNE DE GEOPHYSIQUE (11E: 1984: HALIFAX, N.-E.), ED., E.J. TRUHLAR. HALIFAX: THE CONFERENCE. P.114-115.

SEDIMENTATION RATES ON THE SOUTHERN NARES ABYSSAL PLAIN VARY FROM 0.1 TO 10 CM 1000Y-1 AND THIS VARIATION COINCIDES WITH EXTENT OF CHEMICAL REDUCTION; HIGHER RATES OF SEDIMENTATION APPEAR TO CAUSE MORE REDUCTION.

290

BUCKLEY, D.E., FITZGERALD, R.A. 1985. GEOCHEMICAL INDICATORS OF DEPOSITIONAL ENVIRONMENT IN BAFFIN ISLAND FIORDS. IN: ARCTIC LAND-SEA INTERACTION; ARCTIC WORKSHOP (14TH: 1985: BEDFORD INSTITUTE OF OCEANOGRAPHY, DARIMOUTH, N.S.), [COMP., G.M. VILKS AND J.P.M. SYVITSKI. DARIMOUTH, N.S.: THE WORKSHOP]. P.59. (GEOLOGICAL SURVEY OF CANADA OPEN FILE 1223).

INTERPRETATION OF GEOCHEMICAL DATA FROM SEDIMENT CORES LEADS TO THE CONCLUSION THAT THESE FIORD SEDIMENTS ARE GEOCHEMICALLY IMMATURE AND ARE PREDOMINANTLY INFLUENCED BY TEXTURAL PROPERTIES AND LOCAL PROVENANCE.

291

BUCKLEY, D.E., GRANT, A.C. 1964. A PRELIMINARY STATEMENT ON A SEDIMENTOLOGICAL STUDY OF THE BEACH AND MARINE AREA AT BELLEDUNE POINT, CHALEUR BAY, NEW BRUNSWICK. BIO REPORT SERIES BIO 64-12. 24P.

292

BUCKLEY, D.E., GRANT, A.C. 1985. FAULTLIKE FEATURES IN ABYSSAL PLAIN SEDIMENTS: POSSIBLE DEWATERING STRUCTURES. JOURNAL OF GEOPHYSICAL RESEARCH 90(C5): 9173-9180.

ACOUSTIC DISCONTINUITIES IDENTIFIED IN SEISMIC PROFILING RECORDS ARE INTERPRETED AS FAULTS THAT HAVE PENETRATED QUATERNARY UNCONSOLIDATED SEDIMENTS. THESE FEATURES ARE FURTHER INTERPRETED TO REPRESENT PLANES OF EGRESS FOR WATER EXPELLED FROM SEDIMENTS ON COMPACTION.

293

BUCKLEY, D., HUGHES, S. 1982. A CHELATION- SOLVENT EXTRACTION METHOD FOR ANALYSIS OF DISSOLVED MANGANESE IN MARINE SEDIMENT PORE WATERS BY FLAMELESS ATOMIC ABSORPTION SPECTROSCOPY. GEOLOGICAL SURVEY OF CANADA OPEN FILE 838. 17P.

294

BUCKLEY, D.E., LODER, T.C. 1968. PARTICULATE ORGANIC-INORGANIC GEOCHEMISTRY OF A GLACIAL FJORD. IN: CLAY-INORGANIC AND ORGANIC-INORGANIC ASSOCIATIONS IN AQUATIC ENVIRONMENTS, PART 1. PROGRESS REPORT TO THE U.S. ATOMIC ENERGY COMMISSION, AEC CONTRACT AT-(04-3)-310, ED., D.C.BURRELL AND D.W.HOOD. FAIRBANKS: UNIVERSITY OF ALASKA, INSTITUTE OF MARINE SCIENCE. P.1-53.

295

BUCKLEY, D.E., OWENS, E.H., SCHAFER, C.T., VILKS, G., CRANSTON, R.E., RASHID, M.A., WAGNER, F.J.E., WALKER, D.A. 1974. CANSO STRAIT AND CHEDABUCTO BAY: A MULTIDISCIPLINARY STUDY OF THE IMPACT OF MAN ON THE MARINE ENVIRONMENT. IN: OFFSHORE GEOLOGY OF EASTERN CANADA: VOLUME 1 - CONCEPTS AND APPLICATIONS OF ENVIRONMENTAL MARINE GEOLOGY, ED., B.R. PELLETIER. GEOLOGICAL SURVEY OF CANADA PAPER 74-30(1): 133-160. (BIO CONTRIBUTION NO. 448).

THE EFFECTS OF THE CANSO CAUSEWAY CONSTRUCTION AND THE SUBSEQUENT URBAN AND INDUSTRIAL DEVELOPMENT ARE EVIDENT IN THE CONTEMPORARY ENVIRONMENT QUALITY OF THE MARINE AREAS OF THE STRAIT WITH THE IMPACT INDICATED BY THE GEOCHEMISTRY OF THE SEDIMENTS AND THE ECOLOGY OF THREE INVERTEBRATE BENTHONIC ORGANISMS. OIL SPILL RESIDUES STILL PERSIST ON BEACHES OF CHEDABUCTO BAY AS A RESULT OF THE OILSPILL FROM THE TANKER ARROW IN 1970 BUT THESE RESIDUES ARE BEING SLOWLY DEGRADED.

296

BUCKLEY, D.E., VILKS, G. 1982. DEPOSITION AND EARLY DIAGENESIS OF SEDIMENTS IN THE DISTAL SOHM ABYSSAL PLAIN [ABSTRACT]. IN: INTERNATIONAL CONGRESS ON SEDIMENTOLOGY (11TH: 1982: MCMASTER UNIVERSITY, HAMILTON, ONT.), ABSTRACTS OF PAPERS. HAMILTON: MCMASTER UNIVERSITY, DEPT. OF GEOLOGY. P.46.

COMBINED GEOCHEMICAL, SEDIMENTOLOGICAL AND PALEONTOLOGICAL DATA DEFINE THREE MAJOR STRATIGRAPHIC ZONES IN THE UPPER QUATERNARY TURBIDITES WHICH WERE SAMPLED TO A SUBBOTTOM DEPTH OF 12 M. THESE ZONES REFLECT BOTH THE ORIGINAL DEPOSITIONAL ENVIRONMENT AND DIAGENETIC PROCESSES.

297

BUCKLEY, D.E., WINTERS, G.V. 1983. GEOCHEMICAL TRANSPORT THROUGH THE MIRAMICHI ESTUARY. IN: PROCEEDINGS OF THE CONFERENCE ON POLLUTION IN THE NORTH ATLANTIC OCEAN, ED., J.W. FARRINGTON, J.H. VANDERMEULEN, AND D.G. COOK. CANADIAN JOURNAL OF FISHERIES AND AQUATIC SCIENCES 40(SUPPL.2): 162-182.

298

[BUCKLEY, D.E.] 1984. SOUTHERN NARES ABYSSAL PLAIN. IN: INTERNATIONAL NEA/SEABED WORKING GROUP MEETING (8TH: 1983: VARESE, ITALY), ED., D.R. ANDERSON. ALBUQUERQUE: SANDIA NATIONAL LABORATORIES. P.57-70. AVAILABLE

FROM NTIS: SAND-83-2122.

PRELIMINARY RESULTS OBTAINED FROM SURVEY DATA AND SHIPBOARD ANALYSES OF SEDIMENT CORES TAKEN ON HUDSON 82-018 CRUISE TO THE SOUTHERN NARES ABYSSAL PLAIN INDICATE THAT SEDIMENT TYPES ARE NOT HOMOGENEOUS OVER EVEN RELATIVELY SMALL AREAS. SEDIMENTATION RATES ALSO APPARENTLY VARY WITH SOME SEDIMENTS BEING DEPOSITED AS DISTAL TURBIDITES, OTHERS AS NEARLY CONSTANT PELAGIC CLAY. GEOCHEMICAL REDOX INDICATORS DEMONSTRATE THAT REDOX DISCONTINUITIES VARY WITH TYPE OF SEDIMENT.

299

BUHL, P., DIEBOLD, J.D., GUTIERREZ, C., MITHAL, R., STOFFA, P.L., DENHAM, C., EWING, J., O'BRIEN, T., STEPHEN, R.A., VAN SHOUTEN, H., GRIFFITHS, K., MCCOWAN, D., NORTON, I., PHILLIPS, J., STARK, T., HEFFLER, D., KEEN, C., NICHOLS, B., WOODSIDE, J. 1981. A LARGE APERTURE SEISMIC EXPERIMENT [ABSTRACT]. EOS; TRANSACTIONS, AMERICAN GEOPHYSICAL UNION 62(45): 957.

300

BUJAK, J.P. 1976. AN EVOLUTIONARY SERIES OF LATE EOCENE DINOFLAGELLATE CYSTS FROM SOUTHERN ENGLAND. MARINE MICROPALAEONTOLOGY 1(2): 101-117. (BIO CONTRIBUTION NO. 548).

RECOGNITION OF AN EVOLUTIONARY LINEAGE OF DINOFLAGELLATE CYSTS FROM THE BARTONIAN STRATOTYPE IS THE BASIS FOR THE ERECTION OF PHYLOZONES IN THE BARTON BEDS.

301

BUJAK, J.P. 1979. PROPOSED PHYLOGENY OF THE DINOFLAGELLATES RHOMBODINIUM AND GOCHTODINIUM. MICROPALAEONTOLOGY 25(3): 308-324. (BIO CONTRIBUTION NO. 925).

DESCRIBES AN EVOLUTIONARY SERIES OF DINOFLAGELLATE CYSTS FROM THE EOCENE BARTONIAN STRATOTYPE OF SOUTHERN ENGLAND. ONE GENUS AND THREE SPECIES ARE ERECTED AND A PHYLOGENETIC ZONATION IS PROPOSED FOR THE EOCENE OF WESTERN EUROPE.

302

BUJAK, J.P. 1984. CENOZOIC DINOFLAGELLATE CYSTS AND ACRITARCHS FROM THE BERING SEA AND NORTHERN NORTH PACIFIC, DSDP LEG 19. MICROPALAEONTOLOGY 30(2): 180-212.

303

BUJAK, J.P., BARSS, M.S., WILLIAMS, G.L. 1977. OFFSHORE EAST CANADA'S ORGANIC TYPE AND COLOR AND HYDROCARBON POTENTIAL. OIL AND GAS JOURNAL 75(14): 198-202. (BIO CONTRIBUTION NO. 795).

PLOTS OF ORGANIC MATTER TYPE AND THERMAL ALTERATION INDEX FOR 29 OFFSHORE EASTERN CANADIAN WELLS SHOW SIGNIFICANT PATTERNS AND OFFER ONE EXPLANATION FOR THE LACK OF SUCCESS IN HYDROCARBON EXPLORATION ON THE SCOTIAN SHELF AND GRAND BANKS. THE LABRADOR SHELF AND NORTHEAST NEWFOUNDLAND BASIN APPEAR TO BE MORE PROMISING. THE FOUR TYPES OF DISPERSED ORGANIC MATTER RECOGNIZED IN THESE STUDIES ARE NAMED AND DEFINED.

304

BUJAK, J.P., BARSS, M.S., WILLIAMS, G.L. 1977. ORGANIC MATTER TYPE AND THERMAL ALTERATION INDEX IN SCOTIAN SHELF, GRAND BANKS AND LABRADOR SHELF WELLS [ABSTRACT]. GEOLOGICAL SOCIETY OF AMERICA, ABSTRACTS WITH PROGRAMS 9(1): 10.

STUDY OF TYPES OF ORGANIC MATTER AND MATURATION AS RELATED TO HYDROCARBON GENERATION.

305

BUJAK, J.P., BARSS, M.S., WILLIAMS, G.L. 1978. KEROGEN TYPE AND THERMAL ALTERATION INDEX IN SCOTIAN SHELF, GRAND BANKS AND LABRADOR SHELF WELLS [ABSTRACT]. IN: ABSTRACTS OF THE PROCEEDINGS OF THE ANNUAL MEETING OF THE AMERICAN ASSOCIATION OF STRATIGRAPHIC PALYNOLOGISTS (9TH: 1976: HALIFAX). PALYNOLOGY 2: 214-215.

STUDIES OF VISUAL KEROGEN AND MATURATION OF OFFSHORE SOUTHEASTERN CANADA WELLS.

306

BUJAK, J.P., BARSS, M.S., WILLIAMS, G.L. 1978. ORGANIC TYPE AND COLOUR AND HYDROCARBON POTENTIAL, OFFSHORE, EASTERN CANADA [ABSTRACT]. CANADIAN SOCIETY OF PETROLEUM GEOLOGISTS, RESERVOIR 5(1): 1-2.

ORGANIC MATTER TYPE AND ITS COLOR IS A USEFUL TOOL IN ASSESSING THE HYDROCARBON POTENTIAL OF AN AREA.

307

BUJAK, J.P., DAVIES, E.H. 1981. NEOGENE DINOFLAGELLATE CYSTS FROM THE HUNT DOME KOPANOAR M-13 WELL, BEAUFORT SEA, CANADA. BULLETIN OF CANADIAN PETROLEUM GEOLOGY 29(3): 420-425.

USING FLUORESCENCE MICROSCOPY, IT IS POSSIBLE TO DISTINGUISH THE INDIGENOUS AND REWORKED POPULATIONS IN THE PLIO-PLEISTOCENE AND HOLOCENE INTERVALS OF THE KOPANOAR M-13 WELL AND TO PALYNOLOGICALLY SUBDIVIDE THIS PART OF THE SECTION. THE UNDERLYING MIOCENE INTERVAL CONTAINS DINOFLAGELLATES KNOWN FROM ATLANTIC AND NORTH PACIFIC DEEP SEA DRILLING PROJECT SITES, SO THAT THE KOPANOAR MIOCENE CAN BE CORRELATED WITH THE STANDARD NANNOPLANKTON (NN) AND PLANKTONIC FORAMINIFERAL (N) ZONES.

308

BUJAK, J.P., DAVIES, E.H. 1982. FLUORESCENCE AND THE SEARCH FOR PETROLEUM. BIO REVIEW '82: 54-57.

THE USE OF FLUORESCENCE TECHNIQUES TO EXAMINE FOSSIL ORGANIC MATERIAL IS A RELATIVELY RECENT INNOVATION. IT HAS ALREADY PROVED VALUABLE IN DATING SEDIMENTS WHEN THERE IS EXTENSIVE REWORKING, AS IN THE BEAUFORT SEA, AND IN THE RECOGNITION OF THE MATURE PETROLEUM ZONE, AS IN THE HIBERNIA P-15 WELL.

309

- BUJAK, J.P., DAVIES, E.H. 1982. INITIAL AND ACQUIRED FLUORESCENCE OF PALYNOFORMS [ABSTRACT]. IN: NORTH AMERICAN PALEONTOLOGICAL CONVENTION (3RD: 1982: MONTREAL, QUE.), ABSTRACTS. JOURNAL OF PALEONTOLOGY 56 (2-SUPPLEMENT): 4.

ACQUIRED FLUORESCENCE IS A VALUABLE TECHNIQUE FOR DETERMINING THE MATURE PETROLEUM ZONE IN EXPLORATORY WELLS.

310

- BUJAK, J.P., DAVIES, E.H. 1983. FLUORESCENCE HELPS FIND OIL. GEOS 12(1): 5-8.

311

- BUJAK, J.P., DAVIES, E.H. 1983. MODERN AND FOSSIL PERIDINIINEAE. DALLAS, TX: AMERICAN ASSOCIATION OF STRATIGRAPHIC PALYNOLOGISTS. 203P. (AASP CONTRIBUTIONS SERIES 13).

312

- BUJAK, J.P., DAVIES, E.H., WILLIAMS, G.L. 1983. EVOLUTION OF THE PERIDINIA [ABSTRACT]. IN: AMERICAN ASSOCIATION OF STRATIGRAPHIC PALYNOLOGISTS, PROCEEDINGS OF THE ANNUAL MEETING (15TH: 1982: DUBLIN, IRELAND), (JOINT MEETING WITH THE COMMISSION INTERNATIONALE DE MICROFLORE DU PALEOZOIQUE). PALYNOLOGY 7: 236-237.

313

- BUJAK, J.P., DAVIES, E.H., WILLIAMS, G.L. 1987. BIOSTRATIGRAPHY OF THE LABRADOR AND BAFFIN SHELVES; GEOLOGICAL IMPLICATIONS [ABSTRACT]. IN: THE AMERICAN ASSOCIATION OF STRATIGRAPHIC PALYNOLOGISTS ANNUAL MEETING (20TH: 1987: HALIFAX), PROGRAMME AND ABSTRACT. THE AMERICAN ASSOCIATION OF STRATIGRAPHIC PALYNOLOGISTS INC. . P. 28.

THIRTY-TWO PALYNOLOGICAL ZONES PROVIDE DETAILED STRATIGRAPHIC CONTROL IN THE EARLY CRETACEOUS - PLEISTOCENE ROCKS IN 17 OFFSHORE WELLS.

314

- BUJAK, J.P., DONOHOE, H.V., JR. 1980. GEOLOGICAL HIGHWAY MAP OF NOVA SCOTIA. [HALIFAX, N.S.?]: ATLANTIC GEOSCIENCE SOCIETY. P.1 SHEET. (ATLANTIC GEOSCIENCE SOCIETY SPECIAL PUBLICATION 1).

THE GEOLOGICAL HIGHWAY MAP OF NOVA SCOTIA DEPICTS THE GEOLOGY OF THE PROVINCE IN A MANNER THAT IS EASILY UNDERSTOOD BY THE NON-GEOLOGIST.

315

- BUJAK, J.P., DONOHOE, H.V., GRANTHAM, R. 1980. THE GEOLOGICAL HIGHWAY MAP OF NOVA SCOTIA [ABSTRACT]. GEOLOGICAL ASSOCIATION OF CANADA ANNUAL MEETING ABSTRACTS 5: 43.

THE GEOLOGICAL HIGHWAY MAP OF NOVA SCOTIA, PUBLISHED IN 1980, SHOULD BE A VALUABLE AID IN LEADING, ORGANIZING FIELD TRIPS, AND UNDERSTANDING THE GEOLOGY OF THE PROVINCE WHEN DRIVING THE ROADS.

316

- BUJAK, J.P., DOWNIE, C., EATON, G.L., WILLIAMS, G.L. 1980. DINOFLAGELLATE CYSTS AND ACRRITARCHS FROM THE EOCENE OF SOUTHERN ENGLAND. LONDON: PALAEOLOGICAL ASSOCIATION. 100P. (SPECIAL PAPERS IN PALAEOLOGY 24) (BIO CONTRIBUTION NO. 927).

DINOFLAGELLATE CYSTS ARE ABUNDANT AND DIVERSE IN THE EOCENE OF SOUTHERN ENGLAND, WITH MANY SPECIES HAVING RESTRICTED STRATIGRAPHIC RANGES. THIRTEEN DINOFLAGELLATE ZONES ARE FORMALLY PROPOSED, THREE IN THE LONDON CLAY, FIVE IN THE BRACKLESHAM BEDS, AND FIVE IN THE BARTON BEDS. THIS IS THE FIRST PROPOSED FORMAL ZONATION AND CORRELATION OF THE EOCENE OF SOUTHERN ENGLAND. IN THE TAXONOMIC SECTION SEVERAL NEW GENERA AND SPECIES ARE DESCRIBED AND ILLUSTRATED.

317

- BUJAK, J.P., DOWNIE, C., EATON, G.L., WILLIAMS, G.L. 1980. DINOFLAGELLATE ZONATION OF THE EOCENE SOUTHERN ENGLAND [ABSTRACT]. IN: AMERICAN ASSOCIATION OF STRATIGRAPHIC PALYNOLOGISTS, PROCEEDINGS OF THE ANNUAL MEETING (11TH: 1978: PHOENIX, AZ). PALYNOLOGY 4: 236.

318

- BUJAK, J.P., FISHER, M.J. 1976. DINOFLAGELLATE CYSTS FROM THE UPPER TRIASSIC OF ARCTIC CANADA. MICROPALAEONTOLOGY 22(1): 44-70.

A TAXONOMIC DESCRIPTION OF ONE OF THE TWO OLDEST DINOFLAGELLATE ASSEMBLAGES DESCRIBED TO DATE, WITH FOUR NEW GENERA AND 18 SPECIES ERECTED. THE ASSEMBLAGE IS RELEVANT TO AN UNDERSTANDING OF DINOFLAGELLATE CYST EVOLUTION. IT IS ALSO OF BIOSTRATIGRAPHIC SIGNIFICANCE AS SIMILAR TAXA HAVE BEEN NOTED IN ALASKAN, EUROPEAN AND AUSTRALASIAN TRIASSIC STRATA.

319

- BUJAK, J.P., WILLIAMS, G.L. 1977. JURASSIC PALYNOSTRATIGRAPHY OF OFFSHORE EASTERN CANADA. IN: STRATIGRAPHIC MICROPALAEONTOLOGY OF ATLANTIC BASIN AND BORDERLANDS, ED., F.M. SWAIN. AMSTERDAM: ELSEVIER. P.321-339. (DEVELOPMENTS IN PALAEOLOGY AND STRATIGRAPHY 6) (BIO CONTRIBUTION NO. 796).

CORRELATION OF THE JURASSIC FORAMINIFERAL AND PALYNOLOGICAL ZONATION.

320

- BUJAK, J.P., WILLIAMS, G.L. 1978. CRETACEOUS PALYNOSTRATIGRAPHY OF OFFSHORE SOUTHEASTERN CANADA. GEOLOGICAL SURVEY OF CANADA BULLETIN 297. 19P. (BIO CONTRIBUTION NO. 926).

THE CRETACEOUS OF OFFSHORE EASTERN CANADA CAN BE SUBDIVIDED INTO 11 PALYNOLOGICAL ZONES WHICH ARE RELATED TO THE STANDARD EUROPEAN STAGE TERMINOLOGY. THE ZONES INDICATE A FAIRLY COMPLETE SCOTIAN SHELF CRETACEOUS SEQUENCE, WHILE MOST OF THE LOWER CRETACEOUS IS ABSENT OVER THE CENTRAL GRAND BANKS AND THE UPPER CRETACEOUS FROM PARTS OF THE EASTERN GRAND BANKS.

321

BUJAK, J.P., WILLIAMS, G.L. 1979. DINOFLAGELLATE DIVERSITY THROUGH TIME. MARINE MICROPALAEONTOLOGY 4(1): 1-12. (BIO CONTRIBUTION NO. 837).

ALTHOUGH FOSSIL DINOFLAGELLATE GENERA AND SPECIES PLOTS OF WORLD WIDE DIVERSITY ARE INCLUDED IN THE PAPER, THE LATTER IS A MUCH MORE SENSITIVE PARAMETER. FROM THE CARNIAN TO THE RECENT, THERE HAVE BEEN DEFINITE TRENDS WITH SEVERAL LOWS AND HIGHS. PRESUMABLY THE PLOTS REPRESENT CYST-FORMING SPECIES ONLY.

322

BUJAK, J.P., WILLIAMS, G.L. 1980. DINOFLAGELLATES, THE GRASS OF THE SEA. GEOS 1980 (FALL): 2-5.

DINOFLAGELLATES ARE AN IMPORTANT ELEMENT OF THE FOOD CYCLE AND A MAJOR SOURCE OF LIQUID HYDROCARBONS. FOSSIL DINOFLAGELLATES ARE HELPING THE PETROLEUM INDUSTRY BY PROVIDING AGE CONTROL AND CORRELATION IN SUBSURFACE GEOLOGICAL STUDIES.

323

BUJAK, J.P., WILLIAMS, G.L. 1981. THE EVOLUTION OF DINOFLAGELLATES. CANADIAN JOURNAL OF BOTANY 59(11): 2077-2087.

324

BUJAK, J.P., WILLIAMS, G.L. 1981. THE EVOLUTION OF DINOFLAGELLATES [ABSTRACT]. PALYNOLOGY 5: 232.

325

BUJAK, J.P., WILLIAMS, G.L. 1983. THE EVOLUTION OF DINOFLAGELLATES [ABSTRACT]. GEOLOGICAL ASSOCIATION OF CANADA/MINERALOGICAL ASSOCIATION OF CANADA/CANADIAN GEOPHYSICAL UNION PROGRAM WITH ABSTRACTS 8: A9.

326

BUTTERWORTH, M.A., ALPERN, B., BARSS, M.S., GREBE, R.M., KOSANKE, W., MULLER, W., NOEL, R., PIERART, P., SMITH, A.H.V., SULLIVAN, H.J. 1964. MIOSPORE DISTRIBUTION IN THE NAMURIAN AND WESTPHALIAN. IN: COMPTE RENDU, CONGRES INTERNATIONALE DE STRATIGRAPHIE ET DE GEOLOGIE DU CARBONIFERE (5E: 1963: PARIS). V.3: 1115-1118.

CONTRIBUTION TO SUBGROUP 13C BY M.S. BARSS. PROVIDED CANADIAN CONTRIBUTION OF SELECTED SPORES, IMPORTANT FOR AGE CORRELATIONS IN NAMURIAN AND WESTPHALIAN STRATA. COMPARISONS WITH OTHER AREAS ARE SHOWN IN A COMPOSITE RANGE CHART.

327

CALABRESE, E.A., SYVITSKI, J.P.M. 1987. MODELLING THE GROWTH OF A PROGRADING DELTA; NUMERICS, SENSITIVITY, PROGRAM CODE AND USERS GUIDE. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1624. 61 P.

A LINEAR MODEL FOR THE GROWTH OF A DELTA IS DESCRIBED AND RESPONSIVENESS TO 10 INPUT PARAMETERS IS CALIBRATED. THE OPEN FILE INCLUDES TWO DOCUMENTED NUMERICAL MODELS AND A COMBINED USERS GUIDE ON THE OPERATION OF

THESE MODELS.

328

CALEY, J.F., CUMMING, L.M., HOWIE, R.D., SANFORD, B.V. 1967. BASEMENT MAP OF NORTH AMERICA BETWEEN LATITUDES 24 DEGREES AND 60 DEGREES N. AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS, PUBLISHED BY THE UNITED STATES GEOLOGICAL SURVEY. P.1 MAP, SCALE 1:5,000,000.

CANADIAN DATA FOR ONTARIO, QUEBEC, AND ATLANTIC PROVINCES.

329

CAMERON, A.R., GUNTHER, P.R., HACQUEBARD, P.A., BIRMINGHAM, T.F. 1974. RELATION OF PREDICTED TO EXPERIMENTALLY DETERMINED COKE STABILITIES FOR WESTERN CANADIAN COALS. GEOLOGICAL SURVEY OF CANADA PAPER 74-1B: 19-20.

330

CAMERON, A.R., HACQUEBARD, P.A., DONALDSON, J.R., BIRMINGHAM, T.F. 1969. RADIOACTIVITY OF TERTIARY LIGNITES IN SASKATCHEWAN, ALBERTA AND BRITISH COLUMBIA. GEOLOGICAL SURVEY OF CANADA PAPER 69-1A: 4.

331

CAMERON, A.R., HACQUEBARD, P.A., DONALDSON, J.R., BIRMINGHAM, T.F. 1970. RADIOACTIVITY OF TERTIARY LIGNITES IN WESTERN CANADA. GEOLOGICAL SURVEY OF CANADA PAPER 70-1A: 18.

332

CANADIAN COASTAL SEDIMENT STUDY STEERING COMMITTEE, PIPER, D.J.W. 1986. CANADIAN COASTAL SEDIMENT STUDY; FINAL REPORT OF THE STEERING COMMITTEE = L'ETUDE CANADIENNE DES SEDIMENTS LITTORAUX; RAPPORT FINAL DU COMITE D'ORIENTATION. OTTAWA: DIVISION OF MECHANICAL ENGINEERING, NATIONAL RESEARCH COUNCIL OF CANADA. P.100P. (HYDRAULICS LABORATORY (NATIONAL RESEARCH COUNCIL OF CANADA). TECHNICAL REPORT TR-HY-013).

THE CANADIAN COASTAL SEDIMENT STUDY CARRIED OUT TWO COMPREHENSIVE FIELD STUDIES AND DEVELOPED A NEW ACOUSTIC SUSPENDED SEDIMENT PROFILES. IT IDENTIFIED NEARSHORE WAVE TRANSFORMATIONS AND ONSHORE-OFFSHORE TRANSPORT PREDICTIONS AS THE PRINCIPLE WEAKNESS OF EXISTING ENGINEERING PREDICTORS. THE COOPERATION STIMULATED BY THE STUDY WILL LEAD TO FUTURE COOPERATIVE PROJECTS BETWEEN UNIVERSITIES AND GOVERNMENT AGENCIES.

333

CANPLAN CONSULTANTS LTD. 1975. HALIFAX HARBOUR BOTTOM SURVEY. GEOLOGICAL SURVEY OF CANADA OPEN FILE 283. 2 V. WITH MAPS AND RECORDS.

334

CAPPS, J.F., ROSS, D.I. 1986. DEVELOPMENT AND TESTING OF A SUBSEA ELECTRIC AUGER DRILL (SEADRILL II). IN: CANADIAN CONFERENCE ON MARINE GEOTECHNICAL ENGINEERING (3RD: 1986: ST JOHN'S, NFLD) = CONFERENCE CANADIENNE SUR LE GENIE GEOTECHNIQUE MARIN (3E: 1986: ST JOHN'S, T.-N.), [PREPRINTS]. ST JOHN'S: THE CONFERENCE. V.2: 785-801.

DEVELOPMENT AND TESTING OF SEAFLOOR MOUNTED, REMOTELY OPERATED PLATFORM

CAPABLE OF: DRILLING AND SAMPLING WIDE RANGE OF SEAFLOOR SOILS; DIAMOND CORE DRILLING OF BEDROCK TO A DEPTH OF 6 METERS BELOW SEAFLOOR; PENETRATION OF UP TO 6 METERS DEPTH OF UNCONSOLIDATED (SOIL) SEDIMENT FOLLOWED BY DIAMOND CORE DRILLING OF BED ROCK TO A FURTHER 6 METERS DEPTH.

335

CARTER, L. 1979. SIGNIFICANCE OF UNSTAINED AND STAINED GRAVEL ON THE NEWFOUNDLAND CONTINENTAL SLOPE AND RISE. JOURNAL OF SEDIMENTARY PETROLOGY 49(4): 1147-1158.

336

CARTER, L., HEFFLER, D., SCHAFFER, C.T. 1979. UTILIZING TIME-LAPSE PHOTOGRAPHY AND VIDEO SYSTEMS IN MARINE ENVIRONMENTS [ABSTRACT]. IN: PROCEEDINGS OF THE AMERICAN SOCIETY OF PHOTOGRAMMETRY (45TH: 1979: WASHINGTON, D.C.). FALLS CHURCH, VA: AMERICAN SOCIETY OF PHOTOGRAMMETRY. V.2: 700.

FOULING, UNDERMINING AND BURIAL ARE AMONG THE MAJOR ENVIRONMENTAL FACTORS ACTING AGAINST THE SUCCESSFUL RECORDING OF VISUAL TIME-LAPSE INFORMATION IN MARINE ENVIRONMENTS.

337

CARTER, L., SCHAFFER, C.T. 1978. HOLOCENE SEDIMENTATION ON THE CONTINENTAL SLOPE, EAST OF NEWFOUNDLAND [ABSTRACT]. GEOLOGICAL SOCIETY OF AMERICA, ABSTRACTS WITH PROGRAMS 10(7): 377-378.

338

CARTER, L., SCHAFFER, C.T. 1983. INTERACTION OF THE WESTERN BOUNDARY UNDERCURRENT WITH THE CONTINENTAL MARGIN OFF NEWFOUNDLAND. SEDIMENTOLOGY 30(6): 751-768.

339

CARTER, L., SCHAFFER, C.T., RASHID, M.A. 1979. OBSERVATIONS ON DEPOSITIONAL ENVIRONMENTS AND BENTHOS OF THE CONTINENTAL SLOPE AND RISE, EAST OF NEWFOUNDLAND. CANADIAN JOURNAL OF EARTH SCIENCES 16(4): 831-846. (BIO CONTRIBUTION NO. 854).

340

CARTER, R.W.G., ORFORD, J.D., FORBES, D.L., TAYLOR, R.B. 1987. GRAVEL BARRIERS, HEADLANDS AND LAGOONS: AN EVOLUTIONARY MODEL., ED. KRAUS, N.C. COASTAL SEDIMENTS '87, PROCEEDINGS, SPECIALTY CONFERENCE ON ADVANCES IN UNDERSTANDING OF COASTAL SEDIMENT PROCESSES 1: 1776-1792. (GEOLOGICAL SURVEY OF CANADA CONTRIBUTION 44086).

PRESENTS A MODEL TO ACCOUNT FOR THE MORPHOLOGY AND DEVELOPMENT OF WAVE-DOMINATED BARRIER COASTS WHERE GRAVELS PREDOMINATE. MAJOR CONTROLS ON COARSE CLASTIC SHORELINE DEVELOPMENT ARE BASEMENT AND HEADLAND GEOMETRY, SEDIMENT AVAILABILITY AND TEXTURAL COMPOSITION, TRANSPORTING WAVE POWER, RELATIVE SEA-LEVEL TREND, AND THE EXISTENCE AND MAGNITUDE OF TIDAL OR FLUVIAL CROSS-SHORE DISCHARGES.

341

CHANG, M., MARILLIER, F. 1987. STRUCTURE DU MANTEAU SUPERIEUR SOUS LES DOMAINES HERCYNINIENS DE L'IRLANDE DU SUD, DU MASSIF ARMORICAIN ET DU MASSIF CENTRAL. ANNALES GEOPHYSICAE 5B(6): 613-622. (GEOLOGICAL SURVEY OF CANADA CONTRIBUTION 47386).

THE ANALYSIS OF THE DISPERSED TELESEISMIC PAYLEIGH WAVES BETWEEN THESE SEISMIC STATIONS ALLOWED US TO SAMPLES THE UPPER-MANTLE STRUCTURE OF THE HERCYNIAN MASSIVES FROM SOUTHERN IRELAND TO THE CENTRAL PART OF FRANCE. THE LITHOSPHERE ARTHENOSPHERE SYSTEM SEEMS TO BE POORLY DEVELOPED IN THESE REGIONS; THE PROXIMITY OF THE MORE RECENT ATLANTIC OPENING MADE THE REACTIVATION OF THE UPPER MANTLE POSSIBLE.

342

CHARI, T.R., DUNSIGER, A.D., FADER, G.B., PETERS, G.R., SIMPKIN, P.G., ZIELINSKI, A. 1980. OCEAN SEDIMENTS - A STUDY RELATING GEOPHYSICAL, GEOTECHNICAL AND ACOUSTIC PROPERTIES. IN: PROCEEDINGS, CANADIAN CONFERENCE ON MARINE GEOTECHNICAL ENGINEERING (1ST: 1979: CALGARY). MONTREAL: CANADIAN GEOTECHNICAL SOCIETY. P.151-162.

343

CHASE, R., CLARK, J.I., SHIELDS, D.H., MCCANN, S.B., D'ANGLEJAN, B., PIPER, D.J.W., PETERS, G.R. 1983. MARINE GEOSCIENCE IN UNIVERSITIES. IN: THE GEOSCIENCES IN CANADA, 1980; PART 1. MARINE GEOSCIENCE IN CANADA, A STATUS REPORT, PREPARED AND ED. BY THE MARINE GEOSCIENCE COMMITTEE, CANADIAN GEOSCIENCE COUNCIL. GEOLOGICAL SURVEY OF CANADA PAPER 81-6(Pt.1): 62-67.

344

CHEADLE, S.P., BERTRAM, M.B., LAWTON, D.C. 1985. DEVELOPMENT OF A PHYSICAL SEISMIC MODELING SYSTEM, UNIVERSITY OF CALGARY. GEOLOGICAL SURVEY OF CANADA PAPER 85-1A: 499-504.

A PHYSICAL SEISMIC SCALE MODELLING FACILITY INCLUDING A LARGE WATER-FILLED TANK, HOVERABLE TRANSDUCER ARRAYS AND HIGH SPEED DATA RECORDER HAS BEEN ESTABLISHED AT THE UNIVERSITY OF CALGARY. SCALED GEOLOGIC MODELS SIMULATING PERMAFROST SEA STRATIGRAPHY ARE SUBMERGED IN THE TANK AND PREFILED TO PRODUCE SYNTHETIC SECTIONS AND TO TEST DEVELOPMENTS IN THE ACQUISITION AND PROCESSING OF HIGH RESOLUTION SEISMIC REFLECTION DATA.

345

CHOUGH, S.K., MOSHER, D.C., SRIVASTAVA, S.P. 1985. OCEAN DRILLING PROGRAM (ODP) SITE SURVEY (HUDSON 84-030) IN THE LABRADOR SEA: 3.5 KHZ PROFILES. GEOLOGICAL SURVEY OF CANADA PAPER 85-1B: 33-41.

THE ECHO CHARACTERISTICS OF THE SEABOTTOM AT THE THREE DRILL SITES IN THE LABRADOR SEA ARE DESCRIBED.

346

CHRISTIAN, H.A., MORGENSTERN, N.R. 1986. COMPRESSIBILITY AND STRESS HISTORY OF HOLOCENE SEDIMENTS IN THE CANADIAN BEAUFORT SEA. IN: CANADIAN CONFERENCE

ON MARINE GEOTECHNICAL ENGINEERING (3RD: 1986: ST JOHN'S, NFLD) = CONFERENCE CANADIENNE SUR LE GENIE GEOTECHNIQUE MARIN (3E: 1986: ST JOHN'S, T.-N.), PREPRINTS]. ST JOHN'S: THE CONFERENCE. V.1: 275-299. (GEOLOGICAL SURVEY OF CANADA CONTRIBUTION 11886).

347

CHRISTOU, N., KLEUSBERG, A., MANIHA, J., PAGIATSAKIS, S. 1987. SATELLITE ALTIMETRY APPLICATIONS FOR MARINE GRAVITY. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1623. 112 P.

VOLUME CONTAINS DESCRIPTIONS AND LISTINGS OF SOFTWARE DEVELOPED AND USED BY CONTRACTORS FROM U.N.B. FOR HANDLING AND ANALYSING SATELLITE ALTIMETRY DATA WITH MARINE GRAVITY AND GEOID DATA. PROGRAMS AND DATA ARE AVAILABLE ON MAGNETIC TAPE. THIS OPEN FILE SUPPLEMENTS OPEN FILE 1432.

348

CLARK, D.F. 1973. EFFECTS OF ULTRASONIC PRESSURE ON CALCAREOUS NANNOFOSSILS. GEOLOGY 1(2): 61-62.

THE NEGATIVE AND POSITIVE FEATURES OF SONIC PRESSURE IN RELATION TO NANNOFOSSIL PREPARATION IS ASSESSED.

349

CLARK, D.F. 1973. IMPROVED LIGHT MICROSCOPY TECHNIQUES FOR VIEWING NANNOFOSSILS. MICROPALEONTOLOGY 19(4): 481-484.

ALUMINUM COATING TECHNIQUES ARE APPLIED TO IMPROVE THE ROUTINE OBSERVATION OF NANNOFOSSILS UNDER THE LIGHT MICROSCOPE.

350

CLARK, D.L., MORRIS, T.H., BLASCO, S.M. 1983. PLEISTOCENE SEDIMENTATION PATTERNS FOR THE LOMONOSOV RIDGE AND AMERASIAN BASIN, CENTRAL ARCTIC OCEAN [ABSTRACT]. GEOLOGICAL SOCIETY OF AMERICA, ABSTRACTS WITH PROGRAMS 15(6): 545.

351

CLARK, P., JOSENHANS, H. 1983. ONSHORE OFFSHORE CORRELATION OF GLACIAL EVENTS IN NORTHERN LABRADOR; PART I [ABSTRACT]. IN: ABSTRACTS OF THE 12TH ARCTIC WORKSHOP (12TH: 1983: UNIVERSITY OF MASSACHUSETTS AT AMHERST). AMHERST, MASS: [THE WORKSHOP]. (UNIVERSITY OF MASSACHUSETTS, DEPARTMENT OF GEOLOGY & GEOGRAPHY, CONTRIBUTION NO. 44).

352

CLARK, P., JOSENHANS, H. 1985. LATE QUATERNARY LAND-SEA CORRELATIONS, NORTHERN LABRADOR, CANADA [ABSTRACT]. GEOLOGICAL SOCIETY OF AMERICA, ABSTRACTS WITH PROGRAMS 17(7): 548.

353

CLARK, P.U., JOSENHANS, H.W. 1986. LATE QUATERNARY LAND-SEA CORRELATIONS, NORTHERN LABRADOR AND LABRADOR SHELF. GEOLOGICAL SURVEY OF CANADA PAPER 86-1B: 171-178.

THE PAPER DESCRIBES INSHORE - OFFSHORE CORRELATIONS IN NORTHERN LABRADOR BASED ON EXTENSION OF MORAINES MAPPED ON LAND WITH THOSE MAPPED ACoustically OFFSHORE.

354

CLARK, P., JOSEPHANS, H., MCCOY, W.D. 1985. CORRELATION OF LATE QUATERNARY EVENTS: TORNGAT MOUNTAINS AND LABRADOR SHELF [ABSTRACT]. IN: ARCTIC LAND-SEA INTERACTION; ARCTIC WORKSHOP (14TH: 1985: BEDFORD INSTITUTE OF OCEANOGRAPHY, DARTMOUTH, N.S.), [COMP., G.M. VILKS AND J.P.M. SYVITSKI. DARTMOUTH, N.S.: THE WORKSHOP]. P.131-132. (GEOLOGICAL SURVEY OF CANADA OPEN FILE 1223).

355

CLATTENBURG, D., COLE, F., KELLY, B., LEBLANC, W., BISHOP, P., RASHID, M., SCHAFER, C.T., SYVITSKI, J.P.M. 1983. SAFE; 1982 BOTTOM GRADE SAMPLES (CHAP. 8). IN: SEDIMENTOLOGY OF ARCTIC FJORDS EXPERIMENT; HU82-031 DATA REPORT, ED., J.P.M. SYVITSKI AND C.P. BLAKENEY. CANADIAN DATA REPORT OF HYDROGRAPHY AND OCEAN SCIENCES 12. V.1: 8.1-8.94. ALSO PUBLISHED IN GEOLOGICAL SURVEY OF CANADA OPEN FILE 960.

356

COAKLEY, J.P., LEWIS, C.F.M. 1984. A NEW LOOK AT POSTGLACIAL LAKE LEVELS IN THE ERIE BASIN [ABSTRACT]. GEOLOGICAL ASSOCIATION OF CANADA/MINERALOGICAL ASSOCIATION OF CANADA PROGRAM WITH ABSTRACTS 9: 53.

357

COAKLEY, J.P., LEWIS, C.F.M. 1985. POSTGLACIAL LAKE LEVELS IN THE ERIE BASIN. IN: QUATERNARY EVOLUTION OF THE GREAT LAKES, EDS., P.F. KARROW AND P.E. CALKIN. [OTTAWA]: GEOLOGICAL ASSOCIATION OF CANADA. P.195-212. (GEOLOGICAL ASSOCIATION OF CANADA SPECIAL PAPER 30).

FROM AN EARLY LOW ELEVATION (6M-40M, 12.5KA B.P.) WATER LEVELS ROSE RAPIDLY IN RESPONSE TO GLACIO-ISOSTATIC UPLIFT OF THE OUTLET. FROM 10KA B.P. TO PRESENT LEVELS WERE WITHIN 10M OF PRESENT LAKE LEVEL EXCEPT AT ABOUT 4KA B.P. WHEN THEY ROSE 5M + ABOVE PRESENT LEVEL AND SUBSEQUENTLY FELL BELOW PRESENT AS THE UPPER LAKES NIPISSING FLOOD LED TO EROSION AND INCREASED DRAINAGE CAPACITY OF THE NIAGARA RIVER OUTLET.

358

COCHRANE, N.A., SRIVASTAVA, S.P. 1974. TIDAL INFLUENCE ON ELECTRIC AND MAGNETIC FIELDS RECORDED AT COASTAL SITES IN NOVA SCOTIA, CANADA. JOURNAL OF ATMOSPHERIC AND TERRESTRIAL PHYSICS 36(1): 49-59. (BIO CONTRIBUTION NO. 470).

STRONG LUNAR SEMIDIURNAL COMPONENT OF TIDAL ORIGIN EXISTS IN THE ELECTRIC FIELD MEASUREMENTS MADE ON LAND IMMEDIATELY ADJACENT TO THE BAY OF FUNDY AND TO LESSER EXTENT IN SIMILAR MEASUREMENTS MADE ON THE ATLANTIC COAST OF CANADA. MAGNETIC MEASUREMENTS ON THE CONTRARY DO NOT SHOW ANY PRONOUNCED TIDAL EFFECT AT EITHER OF THESE LOCATIONS.

359

COLE, F.E. 1981. TAXONOMIC NOTES ON THE BATHYAL ZONE BENTHONIC FORAMINIFERAL

SPECIES OFF NORTHEAST NEWFOUNDLAND. BEDFORD INSTITUTE OF OCEANOGRAPHY REPORT SERIES BI-R-81-7. 121P. + 20 PLATES.

THE CLASSIFICATION AND TAXONOMIC PECULIARITIES OF THREE HUNDRED AND THIRY-FIVE SPECIES OF BENTHONIC FORAMINIFERA ARE DETAILED AND DESCRIBED.

360

COLE, F., BLAKENEY, C.P. 1983. DESCRIPTION AND X-RADIOGRAPHS OF THE BAFFIN FJORD CORES. IN: SEDIMENTOLOGY OF ARCTIC FJORDS EXPERIMENT: HU 82-031 DATA REPORT, VOLUME 1, ED., J.P.M. SYVITSKI AND C.P. BLAKENEY. CANADIAN DATA REPORT OF HYDROGRAPHY AND OCEAN SCIENCES 12. V.1: 12.1-12.96. ALSO PUBLISHED IN GEOLOGICAL SURVEY OF CANADA OPEN FILE 960.

361

COLLINS, E.S., SCHAFFER, C.T. 1987. ENVIRONMENTAL IMPACTS ON THE FORAMINIFERA AND THECAMOEBIANS OF THE UPPER SAGUENAY FIORD, QUEBEC, CANADA [ABSTRACT]. GEOLOGICAL SOCIETY OF AMERICA ABSTRACTS WITH PROGRAMS 19(7): 624.

IN THE BASIN AT THE HEAD OF THE SAGUENAY FIORD THE FORAMINIFERAL ASSEMBLAGES RECORD THE IMPACT OF PULPMILL WASTE DISCHARGES ON THE BENTHIC ENVIRONMENT.

362

COLLINS, W.T., PARROTT, D.R., BARRIE, J.V., IMBER, B. 1987. OTC 5517, TOOLS AND TECHNIQUES FOR MANNED SUBMERSIBLE STUDIES OF SEDIMENT TRANSPORT AND ICE SCOUR ON THE EASTERN CANADIAN CONTINENTAL SHELF. PREPRINTS, OFFSHORE TECHNOLOGY CONFERENCE 19: 289-294. (GEOLOGICAL SURVEY OF CANADA CONTRIBUTION 49686).

363

CRANSTON, R.E. 1973. DEVELOPMENT OF SHIPBOARD METHODS FOR MARINE GEOCHEMICAL ANALYSES. GEOLOGICAL SURVEY OF CANADA PAPER 73-1A: 107-108.

364

CRANSTON, R.E. 1974. GEOCHEMICAL INTERACTION BETWEEN NATURAL WATERS AND PARTICULATE SOLIDS IN THE MARINE ENVIRONMENT. GEOLOGICAL SURVEY OF CANADA PAPER 74-1B: 119.

365

CRANSTON, R.E. 1974. GEOCHEMICAL INTERACTION IN THE RECENTLY INDUSTRIALIZED STRAIT OF CANSO. IN: PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON TRANSPORT OF PERSISTENT CHEMICALS IN AQUATIC ECOSYSTEMS (1974: OTTAWA). OTTAWA: NATIONAL RESEARCH COUNCIL OF CANADA. P.I-59 - I-67. (BIO CONTRIBUTION NO. 625).

ANOMALOUS CONCENTRATIONS OF INORGANIC AND ORGANIC CHEMICAL SPECIES AND THE DISTRIBUTION OF BENTHIC ORGANISMS IN RECENT SEDIMENTS FROM THE STRAIT OF CANSO ARE RELATED TO AN INDUSTRIAL POINT SOURCE.

366

CRANSTON, R.E. 1974. INTERACTIONS BETWEEN MAJOR CATIONS, PH AND SUSPENDED MATTER IN COASTAL ENVIRONMENTS. DALHOUSIE UNIVERSITY, MASTERS THESIS. 76P.

- 367
CRANSTON, R.E. 1976. ACCUMULATION AND DISTRIBUTION OF TOTAL MERCURY IN ESTUARINE SEDIMENTS. ESTUARINE AND COASTAL MARINE SCIENCE 4(6): 695-700. (BIO CONTRIBUTION NO. 597).
- MERCURY AND ORGANIC CARBON CONCENTRATIONS FOUND IN SEDIMENT CORE SAMPLES FROM AN ESTUARY DISPLAY MAXIMUM VALUES IN AN AREA WHERE PARTICLE SIZES ARE THE SMALLEST AND WHERE THE SALT WATER INFLUENCE IN THE ESTUARY BECOMES SIGNIFICANT.
- 368
CRANSTON, R.E. 1978. DISSOLVED CHROMIUM SPECIES IN COASTAL WATERS. GEOLOGICAL SURVEY OF CANADA PAPER 78-1A: 337-339.
- 369
CRANSTON, R.E. 1979. CHROMIUM SPECIES IN NATURAL WATERS. UNIVERSITY OF WASHINGTON, DOCTORAL THESIS. 304P.
- 370
CRANSTON, R.E. 1980. CR SPECIES IN SAANICH AND JERVIS INLETS. IN: FJORD OCEANOGRAPHY, ED., H.J. FREELAND, D.M. FARMER, C. LEVINGS. NEW YORK: PLENUM PRESS. P.689-692. (NATO CONFERENCE SERIES; IV. MARINE SCIENCES 4) (BIO CONTRIBUTION NO. 908)
- DATA FOR REDOX SENSITIVE CR SPECIES FROM A REDUCING FJORD AND AN OXIDIZING FJORD INDICATE THAT REDUCED CR CAN EXIST METASTABLY IN OXIDIZED WATERS DUE TO KINETIC EFFECTS.
- 371
CRANSTON, R.E. 1980. MODELLING THE DISTRIBUTION OF DISSOLVED CHROMIUM IN CASCADIA BASIN [ABSTRACT]. EOS; TRANSACTION, AMERICAN GEOPHYSICAL UNION 61(46): 985.
- 372
CRANSTON, R.E. 1981. SUMMARY OF SEDIMENT AND PORE WATER ANALYSES OF SAMPLES FROM THE SOHM ABYSSAL PLAIN: CSS HUDSON CRUISE 80-016. ATOMIC ENERGY OF CANADA LTD. TECHNICAL REPORT SERIES TR-167. 12P.
- 373
CRANSTON, R.E. 1982. DIAGENETIC MANGANESE CARBONATE FORMATIONS IN SEDIMENTS OFF CAPE MENDOCINO, CA [ABSTRACT]. EOS; TRANSACTIONS, AMERICAN GEOPHYSICAL UNION 63(45): 999.
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CRANSTON, R.E. 1982. PH AS AN INDICATOR OF DEPOSITION AND DIAGENETIC CHANGES IN SEDIMENTS FROM THE SOHM ABYSSAL PLAIN [ABSTRACT]. IN: INTERNATIONAL CONGRESS ON SEDIMENTOLOGY (11TH: 1982: MCMASTER UNIVERSITY, HAMILTON, ONT.), ABSTRACTS OF PAPERS. HAMILTON: MCMASTER UNIVERSITY, DEPT. OF GEOLOGY. P.46.

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CRANSTON, R.E. 1983. CHROMIUM IN CASCADIA BASIN, NORTHEAST PACIFIC OCEAN. MARINE CHEMISTRY 13(2): 109-125.
- 376
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CRANSTON, R.E., BUCKLEY, D.E. 1972. GEOCHEMICAL DATA FOR THE LAHAVE RIVER AND ESTUARY: PROJECT 70-23 INORGANIC GEOCHEMISTRY. BIO DATA SERIES BI-D-72-1. 33P.
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CRANSTON, R.E., BUCKLEY, D.E. 1972. GEOCHEMICAL DATA FROM A 25-HOUR STATION, LAHAVE RIVER, NOVA SCOTIA: PROJECT 71-23A INORGANIC GEOCHEMISTRY. BIO DATA SERIES BI-D-72-12. 83P.
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- 380
CRANSTON, R.E., BUCKLEY, D.E. 1972. THE APPLICATION AND PERFORMANCE OF MICROFILTERS IN ANALYSES OF SUSPENDED PARTICULATE MATTER. BIO REPORT SERIES BI-R-72-7. 14P.
- 381
CRANSTON, R.E., BUCKLEY, D.E., FITZGERALD, R.A., WINTERS, G.V. 1981. GEOCHEMICAL INVESTIGATION OF SEDIMENT AND PORE WATER SAMPLES FROM THE NORTHEAST PACIFIC OCEAN, OFF THE COAST OF CALIFORNIA. GEOLOGICAL SURVEY OF CANADA PAPER 81-1C: 55-61.
- A 100 KM SQUARE STUDY AREA OF THE SEA FLOOR OFF CAPE MENDOCINO, CALIFORNIA, CURRENTLY UNDER INVESTIGATION AS A LOW LEVEL NUCLEAR WASTE DISPOSAL AREA, HAS BEEN STUDIED FOR A NUMBER OF GEOLOGICAL AND CHEMICAL PARAMETERS. THIS REPORT CONTAINS AN INITIAL SUMMARY OF GEOCHEMICAL RESULTS FROM SEDIMENT AND PORE WATER SAMPLES COLLECTED AT 4 LOCATIONS IN THE STUDY AREA.
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CRANSTON, R., EMERSON, S., LISS, P.S. 1978. REDOX SPECIES IN A REDUCING FJORD: OXIDATION RATE KINETICS [ABSTRACT]. EOS; TRANSACTIONS, AMERICAN GEOPHYSICAL UNION 59(12): 1097.
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CRANSTON, R.E., FITZGERALD, R.A., WINTERS, G.V. 1974. GEOCHEMICAL DATA FROM THE STRAIT OF CANSO AND CHEDABUCTO BAY, NOVA SCOTIA. BIO DATA SERIES BI-D-74-3. 56P.

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CRANSTON, R.E., FITZGERALD, R.A., WINTERS, G.V. 1974. GEOCHEMICAL DATA: BAIE DES CHALEURS. BEDFORD INSTITUTE OF OCEANOGRAPHY DATA SERIES BI-D-74-6. 22P.

385

CRANSTON, R.E., FITZGERALD, R.A., WINTERS, G.V. 1975. GEOCHEMICAL DATA: BAY OF FUNDY-MINAS BASIN. BEDFORD INSTITUTE OF OCEANOGRAPHY DATA SERIES BI-D-75-5. 24P.

THIS REPORT IS A COMPILATION OF THE GEOCHEMICAL DATA OBTAINED FOR WATER, SUSPENDED PARTICULATE AND SEDIMENT SAMPLES FROM THE BAY OF FUNDY AND MINAS BASIN, COLLECTED SEPTEMBER 22-28, 1971.

386

CRANSTON, R.E., FITZGERALD, R.A., WINTERS, G.V. 1975. GEOCHEMICAL DATA: LAHAVE RIVER AND ESTUARY. BEDFORD INSTITUTE OF OCEANOGRAPHY DATA SERIES BI-D-75-4. 33P.

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CRANSTON, R.E., MURRAY, J.W. 1978. DISSOLVED CHROMIUM SPECIES IN SEAWATER [ABSTRACT]. EOS; TRANSACTIONS, AMERICAN GEOPHYSICAL UNION 58(5): 306.

389

CRANSTON, R.E., MURRAY, J.W. 1980. CHROMIUM SPECIES IN THE COLUMBIA RIVER AND ESTUARY. LIMNOLOGY AND OCEANOGRAPHY 25(6): 1104-1112.

THE DOMINANT FORM OF CHROMIUM IN THE COLUMBIAN RIVER AND ESTUARY IS CRO 2-4, WITH FLOCCULATION REMOVING UP TO 28% OF THE DISSOLVED CHROMIUM FROM SOLUTION FOR ESTUARINE SALINITIES IN THE RANGE OF 5/00.

390

CRANSTON, R.E., MURRAY, J.W. 1980. DISSOLVED AND PARTICULATE CHROMIUM IN THE COLUMBIA RIVER AND ESTUARY [ABSTRACT]. EOS; TRANSACTIONS, AMERICAN GEOPHYSICAL UNION 61(17): 269.

391

CRANSTON, R.E., SEDIMENT BARRIER TASK GROUP 1984. SEDIMENT BARRIER TASK GROUP [REPORT]. IN: NINTH INTERNATIONAL NEA/SEABED WORKING GROUP MEETING (9TH: 1984: BERLIN), ED., D.R. ANDERSON. ALBUQUERQUE, NM: SANDIA NATIONAL LABORATORIES. P.112-116. (SANDIA REPORT SAND84-145) THE SEDIMENT BARRIER TASK GROUP MET MARCH 27-29/84 IN BERLIN TO DISCUSS ONGOING RESEARCH, PLANS AND PROBLEMS RELATED TO FAR FIELD RADIONUCLIDE MIGRATION MODELS, ION MIGRATION EXPERIMENTAL STUDIES AND GEOCHEMICAL STUDIES OF ABYSSAL SEDIMENT

COLUMNS.

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CRANSTON, R.E., STOFFYN, M.A., BUCKLEY, D.E. 1983. SEDIMENTARY GEOCHEMISTRY OF A POTENTIAL RADIOACTIVE WASTE DISPOSAL SITE IN THE NARES ABYSSAL PLAIN. EOS; TRANSACTIONS, AMERICAN GEOPHYSICAL UNION 64(45): 741.
- 393
CREER, K.M., ANDERSON, T.W., LEWIS, C.F.M. 1976. LATE QUATERNARY GEOMAGNETIC STRATIGRAPHY RECORDED IN LAKE ERIE SEDIMENTS. EARTH AND PLANETARY SCIENCE LETTERS 31(1): 37-47.
- 394
C-CORE 1982. ICEBERG GROUNDING REVIEW FROM WELLSITE OBSERVATIONS. GEOLOGICAL SURVEY OF CANADA OPEN FILE 880. 38P.
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DABORN, G.R., VAN WAGONER, N., AMOS, C.L. 1985. BIOTIC INFLUENCES ON INTERTIDAL SEDIMENT STABILITY IN THE UPPER BAY OF FUNDY [ABSTRACT]. IN: ABSTRACTS FOR THE BIENNIAL INTERNATIONAL ESTUARINE RESEARCH CONFERENCE (8TH: 1985: DURHAM, NH). ESTUARIES 8(2B): 61A.
- 396
DABROS, M.J., MUDIE, P.J. 1986. AN AUTOMATED MICROSCOPE SYSTEM FOR IMAGE ANALYSIS IN PALYNOLOGY AND MICROPALAEONTOLOGY. GEOLOGICAL SURVEY OF CANADA PAPER 86-1A: 07-112.
- THIS REPORT DESCRIBES AN AUTOMATED IMAGE ANALYSIS SYSTEM (AIAS) DEVELOPED AT AGC FOR COMPUTERIZED IDENTIFICATION AND COUNTING OF PALYNOFORMS AND OPTICAL MICROFOSSILS. OTHER CURRENT USES OF THE AGC AIAS AS WELL AS POTENTIAL FUTURE APPLICATIONS ARE DISCUSSED.
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DAINTY, A.M., KEEN, C.E., KEEN, M.J., BLANCHARD, J.E. 1966. REVIEW OF GEOPHYSICAL EVIDENCE ON CRUST AND UPPER-MANTLE STRUCTURE ON THE EASTERN SEABOARD OF CANADA. IN: THE EARTH BENEATH THE CONTINENTS, ED., J.S. STEINHART, T.J. SMITH. WASHINGTON, D.C.: AMERICAN GEOPHYSICAL UNION. P.349-369. (AMERICAN GEOPHYSICAL UNION GEOPHYSICAL MONOGRAPH 10) (NATIONAL ACADEMY OF SCIENCES - NATIONAL RESEARCH COUNCIL PUBLICATION 1467).
- 398
DALE, C.T., HAWORTH, R.T. 1979. HIGH RESOLUTION REFLECTION SEISMOLOGY STUDIES ON LATE QUATERNARY SEDIMENTS OF THE NORTHEAST NEWFOUNDLAND CONTINENTAL SHELF. GEOLOGICAL SURVEY OF CANADA PAPER 79-1B: 357-364.
- 399
DALE, C.T., HAWORTH, R.T. 1979. HIGH RESOLUTION SEISMOLOGY AND SURFICIAL GEOLOGICAL STUDIES OF THE NORTHEAST NEWFOUNDLAND SHELF [ABSTRACT]. GEOLOGICAL ASSOCIATION OF CANADA - MINERALOGICAL ASSOCIATION OF CANADA JOINT ANNUAL MEETING, PROGRAM WITH ABSTRACTS 4: 45.

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DAIRYMPLE, R.W., AMOS, C.L., MCCANN, S.B. 1982. BEACH AND NEARSHORE DEPOSITIONAL ENVIRONMENTS OF THE BAY OF FUNDY AND SOUTHERN GULF OF ST. LAWRENCE. [HAMILTON, ONT.: INTERNATIONAL ASSOCIATION OF SEDIMENTOLOGISTS]. 116P. (INTERNATIONAL CONGRESS ON SEDIMENTOLOGY (11TH: 1982: MCMASTER UNIVERSITY, HAMILTON, ONT.), FIELD EXCURSION GUIDE BOOK 6A).

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DAMASSA, S.P., GOODMAN, D.K., KIDSON, E.J., WILLIAMS, G.L. 1987. DEEP SEA HYSTRICHOKOLPOMA PROJECT [ABSTRACT]. IN: THE AMERICAN ASSOCIATION OF STRATIGRAPHIC PALYNOLOGISTS ANNUAL MEETING (20TH: 1987: HALIFAX), PROGRAMME AND ABSTRACTS. THE AMERICAN ASSOCIATION OF STRATIGRAPHIC PALYNOLOGISTS INC. P.40.

THE VARIABILITY IN THE SPECIES OF HYSTRICHOKOLPOMA MAKES THESE TAXA IDEAL STRATIGRAPHIC MARKERS.

402

D'APOLLONIA, S., LEWIS, C.F.M. 1982. ICEBERG SCOUR DATA MAPS FOR THE GRAND BANKS OF NEWFOUNDLAND BETWEEN 46 N. AND 48 N. GEOLOGICAL SURVEY OF CANADA OPEN FILE 819. 9P. + MAPS.

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A REALIZATION THAT MANY HYSTRICHOSPHERES ARE FOSSIL DINOFLAGELLATES RESULTED IN RE-INTERPRETATION OF PREVIOUS STUDIES IN WHICH TAXA HAD BEEN ASSIGNED TO THE ACRTTARCHS.

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DAVEY, R.J., DOWNIE, C., SARJEANT, W.A.S., WILLIAMS, G.L. 1969. APPENDIX TO "STUDIES ON MESOZOIC AND CENOZOIC DINOFLAGELLATE CYSTS". BULLETIN OF THE BRITISH MUSEUM (NATURAL HISTORY), GEOLOGY SUPPL. 3. 24P.

TRANSFER OF NUMEROUS SPECIES TO DIFFERENT GENERA TO CONFORM WITH MODERN CONCEPTS OF CLASSIFICATION.

405

DAVEY, R.J., WILLIAMS, G.L. 1966. THE GENERA HYSTRICHOSPHAERA AND ACHOMOSPHAERA. BULLETIN OF THE BRITISH MUSEUM (NATURAL HISTORY), GEOLOGY SUPPL. 3: 28-52.

APPLICATION OF MODERN MORPHOLOGICAL THEORIES TO THESE GENERA, RESULTING IN THEIR RECLASSIFICATION.

406

DAVEY, R.J., WILLIAMS, G.L. 1966. THE GENUS HYSTRICHOSPHAERIDIUM AND ITS ALLIES. BULLETIN OF THE BRITISH MUSEUM (NATURAL HISTORY), GEOLOGY SUPPL. 3: 53-106.

THE GENUS HYSTRICHOSPHAERIDIUM AS DEFINED BY DEFLANDRE IS IN REALITY SEVERAL GENERA. THIS HAS NECESSITATED EMENDATION OF THIS GENUS AND THE ERECTION OF SEVERAL NEW GENERA OF BIOSTRATIGRAPHIC SIGNIFICANCE. THE TABULATION PATTERNS OF THE SEVERAL GENERA ARE USED FOR THE FIRST TIME AS THE BASIS FOR DISTINCTION.

407

DAVIDSON, C., KEEN, M.J. 1963. SIZE ANALYSES OF TURBIDITY CURRENT SEDIMENT. NATURE 197(4865): 372-373.

408

DAVIDSON, S. 1984. SED1D: A SEDIMENT TRANSPORT MODEL FOR THE CONTINENTAL SHELF. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1113. 62P.

MODELLING OF SEDIMENT TRANSPORT UNDER THE COMBINED INFLUENCE OF WAVES AND CURRENTS HAS CONTINUED WITH THE DEVELOPMENT OF A NEW ONE-DIMENSIONAL MODEL, SED1D. THE NEW MODEL USES MORE ACCURATE AND EFFICIENT NUMERICAL METHODS THAN DOES THE OLD VERSION, AS WELL AS INCORPORATING SEVERAL THEORETICAL MODIFICATIONS.

409

DAVIDSON, S., AMOS, C.L. 1986. A RE-EVALUATION OF SED1D AND SED2D: SEDIMENT TRANSPORT MODELS FOR THE CONTINENTAL SHELF. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1342: 89P.

AN UNGRADED SEDIMENT TRANSPORT MODEL IS DESCRIBED WHICH GIVES RESULTS FOR (1) WAVES ONLY (2) CURRENTS ONLY AND (3) WAVES AND CURRENTS USING FOUR SEDIMENT TRANSPORT EQUATIONS. A SENSITIVITY ANALYSIS OF THE MODEL IS ALSO CARRIED OUT.

410

DAVIES, E.H. 1979. JURASSIC AND LOWER CRETACEOUS DINOFLAGELLATE CYSTS OF THE SVERDRUP BASIN; ARCTIC CANADA; TAXONOMY, BIOSTRATIGRAPHY, CHRONOSTRATIGRAPHY. PH.D. THESIS, UNIVERSITY OF TORONTO, TORONTO ONT. 591P.

411

DAVIES, E.H. 1979. THE JURASSIC-LOWER CRETACEOUS DINOFLAGELLATE STRATIGRAPHY OF THE SVERDRUP BASIN, ARCTIC CANADA; SAVIK TO DEER BAY FORMATIONS [ABSTRACT]. IN: AMERICAN ASSOCIATION OF STRATIGRAPHIC PALYNOLOGISTS, PROCEEDINGS OF THE ANNUAL MEETING (10TH: 1977: TULSA, OKLA). PALYNOLOGY 3: 282.

412

DAVIES, E.H. 1981. ARCHEOPYLE PATTERNS IN LATE CRETACEOUS PERIDINIACEANS [ABSTRACT]. PALYNOLOGY 5: 234.

413

DAVIES, E.H. 1983. THE DINOFLAGELLATE OPEL-ZONATION OF THE JURASSIC-LOWER CRETACEOUS SEQUENCE IN THE SVERDRUP BASIN, ARCTIC CANADA. GEOLOGICAL SURVEY OF CANADA BULLETIN 359. 59P.

PALYNOLOGICAL ANALYSES OF JURASSIC TO LOWER CRETACEOUS ROCKS OF THE SVERDRUP BASIN HAVE ALLOWED THE RECOGNITION OF 17 OPPEL-ZONES. EIGHTEEN NEW SPECIES OF DINOFLAGELLATE CYSTS ARE DESCRIBED. THE STRATIGRAPHIC INTERVAL STUDIED INCLUDES THE SAVIK-JAEGER COMPLEX, THE AWINGAK-RINGNES DELTAIC COMPLEX AND THE "DEER BAY" - MOULD BAY DELTAIC COMPLEX.

414

DAVIES, E.H. 1984. ANEMIACEAN, SCHIZAECEAN AND RELATED SPORES [ABSTRACT]. IN: INTERNATIONAL PALYNOLOGICAL CONFERENCE; ABSTRACTS (6TH: 1984: CALGARY), ED., J. UTTING. CALGARY: [THE CONFERENCE]. P.23.

MESOZOIC FOSSIL SPORES WITH CICATRICOSE ORNAMENT FORM A COHERENT MORPHOLOGICAL GROUP WITH CLOSE AFFINITIES TO FAMILIES ANEMIACEAE AND SCHIZAEACEAE. THEIR PHYLOGENY IS FOLLOWED THROUGH THE MESOZOIC AND TERTIARY

415

DAVIES, E.H. 1985. DINOFLAGELLATE CYST OCCURRENCES OF THE JURASSIC-LOWER CRETACEOUS SEQUENCE IN THE SVERDRUP BASIN; ARCTIC CANADA. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1153. 28P. & 2 SHEETS.

THIS OPEN FILE REPORT PRESENTS THE DINOFLAGELLATE CYST OCCURRENCES THAT FORM THE BASIS FOR THE DINOFLAGELLATE OPPEL-ZONATION, PROPOSED BY DAVIES (1983) IN THE GEOLOGICAL SURVEY BULLETIN 359, FOR THE SVERDRUP BASIN LOCATED IN THE QUEEN ELIZABETH ISLANDS, DISTRICT OF FRANKLIN, ARCTIC CANADA.

416

DAVIES, E.H. 1985. THE ANEMIACEAN, SCHIZAECEAN AND RELATED SPORES: AN INDEX TO GENERA AND SPECIES. CANADIAN TECHNICAL REPORT OF HYDROGRAPHY AND OCEAN SCIENCES NO.67. 198P.

ANEMIACEAN AND SCHIZAEACEAN FERN SPORES AND THEIR ALLIES ARE AN IMPORTANT GROUP OF PALYNOFORMS IN MESOZOIC AND CENOZOIC STRATA. THE PALAEOECOLOGICAL AND BIOSTRATIGRAPHIC POTENTIAL OF THESE FOSSILS CAN ONLY BE FULLY REALISED IF THEIR TAXONOMY IS STABILIZED. THE PRESENT INDEX IS A CONTRIBUTION TO THIS END; IT LISTS GENERA AND SPECIES OF THESE FOSSILS IN 1843 ENTRIES, WHICH INCLUDE STRATIGRAPHIC RANGES. A REVISED PHYLOGENY FOR ANEMIACEAN AND SCHIZAEACEAN SPORES IS PROPOSED.

417

DAVIES, E.H., AKANDE, S.O., ZENTILLI, M. 1984. EARLY CRETACEOUS DEPOSITS IN THE GAYS RIVER LEAD-ZINC MINE, NOVA SCOTIA. GEOLOGICAL SURVEY OF CANADA PAPER 84-1A: 353-358.

418

DAVIES, E.H., AVERY, M.P. 1984. A SYSTEM FOR VITRINITE REFLECTANCE ANALYSIS ON DISPERSED ORGANIC MATTER FOR OFFSHORE EASTERN CANADA. GEOLOGICAL SURVEY OF CANADA PAPER 84-1A: 367-372.

419

DAVIES, E.H., BUJAK, J.P. 1983. TRANS-ATLANTIC PALYNOLOGICAL CORRELATIONS OF THE

EARLY JURASSIC [ABSTRACT]. IN: AMERICAN ASSOCIATION OF STRATIGRAPHIC PALYNOLOGISTS, PROCEEDINGS OF THE ANNUAL MEETING (15TH: 1982: DUBLIN, IRELAND), (JOINT MEETING WITH THE COMMISSION INTERNATIONALE DE MICROFLORE DU PALEOZOIQUE). PALYNOLOGY 7: 238-239.

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DAVIES, E.H., BUJAK, J.P., WILLIAMS, G.L. 1981. LET'S TAKE DINOFLAGELLATES OFF THE SHELF [ABSTRACT]. GEOLOGICAL ASSOCIATION OF CANADA ABSTRACTS WITH PROGRAMS 6: A-13.

421

DAVIES, E.H., BUJAK, J.P., WILLIAMS, G.L. 1982. ARE DINOFLAGELLATES PALEO-ENVIRONMENTALISTS? [ABSTRACT]. IN: NORTH AMERICAN PALEONTOLOGICAL CONVENTION (3RD: 1982: MONTREAL, QUE.), ABSTRACTS. JOURNAL OF PALEONTOLOGY 56 (2-SUPPLEMENT): 7-8.

PALEOENVIRONMENTAL USEFULNESS OF FOSSIL DINOFLAGELLATES CAN BE ASSIGNED ONE OF FOUR CATEGORIES.

422

DAVIES, E.H., BUJAK, J.P., WILLIAMS, G.L. 1982. THE APPLICATION OF DINOFLAGELLATES TO PALEOENVIRONMENTAL PROBLEMS. IN: PROCEEDINGS, NORTH AMERICAN PALEONTOLOGICAL CONVENTION (3RD: 1982: MONTREAL), ED., B. MAMET AND M.J. COPELAND. TORONTO: THE CONVENTION. V.1: 125-131.

THE USE OF DINOFLAGELLATES FOR PALEOENVIRONMENTAL STUDIES CAN BE GROUPED INTO ONE OF THE FOLLOWING CATEGORIES: (1) ABSOLUTE ABUNDANCE; (2) RELATIVE ABUNDANCES WITH RESPECT TO OTHER PALYNO MORPHS; (3) SPECIES DIVERSITY AND DOMINANCE; AND (4) RELATIVE ABUNDANCES OF INDIVIDUAL TAXA. WITH THIS APPROACH A CERTAIN LOGIC CAN BE APPLIED TO PREVIOUSLY PUBLISHED STUDIES.

423

DAVIES, E.H., NORRIS, G. 1976. ULTRASTRUCTURAL ANALYSIS OF EXINE AND APERTURES IN ANGIOSPERMOUS COLPOID POLLEN (ALBIAN, OKLAHOMA). POLLEN ET SPORES 18(1): 129-144.

SCANNING ELECTRON MICROSCOPY ON COLPOID ANGIOSPERMOUS POLLEN FROM THE ALBIAN OF OKLAHOMA SUPPORTS THE THEORY OF DERIVATION OF EQUATORIAL APERTURES FROM POLYCHOTOMOSULCATE APERTURES. A POLYPHYLETIC ORIGIN OF ANGIOSPERMOUS POLLEN IS SUGGESTED BASED ON ULTRASTRUCTURAL CONSIDERATIONS.

424

DAVIES, E.H., NORRIS, G. 1978. DINOFLAGELLATE BIOSTRATIGRAPHY OF JURASSIC - LOWER RETACEOUS SHALES, SVERDRUP BASIN, ARCTIC CANADA. IN: GEOLOGICAL ASSOCIATION OF CANADA/MINERALOGICAL ASSOCIATION OF CANADA/GEOLOGICAL SOCIETY OF AMERICA, JOINT ANNUAL MEETING (1978: TORONTO, ONT). GEOLOGICAL SOCIETY OF AMERICA, PROGRAM WITH ABSTRACTS 10(7): 386.

425

DAVIES, E.H., NORRIS, G. 1980. LATITUDINAL VARIATIONS IN ENCYSTMENT MODES AND SPECIES DIVERSITY IN JURASSIC DINOFLAGELLATES. IN: THE CONTINENTAL CRUST AND ITS MINERAL DEPOSITS, ED., D.W. STRANGWAY. WATERLOO, ONT: GEOLOGICAL

ASSOCIATION OF CANADA. P.361-373. (GEOLOGICAL ASSOCIATION OF CANADA SPECIAL PAPER 20).

EARLY JURASSIC DINOFLAGELLATE CYST ASSEMBLAGES FROM ARCTIC CANADA ARE COMPARED WITH THOSE FROM OFFSHORE EASTERN CANADA AND OTHER LOCATIONS. MAXIMUM DIVERSITY AND MARINE TRANSGRESSIVE PEAKS IN THE SVERDRUP BASIN TEND TO COINCIDE. A SIMPLE RELATIONSHIP BETWEEN PALEOLATITUDE, ENCYSTMENT MODES AND DIVERSITY IS NOT SUBSTANTIATED FOR THE JURASSIC. FACIES RELATIONSHIPS AND OTHER FACTORS ARE IMPORTANT CONTROLS ON ASSEMBLAGE CHARACTERISTICS.

426

DE VERNAL, A., JETTE, H. 1987. ANALYSES PALYNOLOGIQUES DE SEDIMENTS HOLOCENE DU LAC BRAS D'OR (CAROTTE 85-036-016P), ILE DU CAP-BRETON, NOUVELLE-ECOSSE. GEOLOGICAL SURVEY OF CANADA PAPER 87-1A: 11-15.

AN EARLY HOLOCENE LACUSTRINE PHASE IS FOLLOWED BY A LATE HOLOCENE MARINE PHASE.

427

DE VERNAL, A., MUDIE, P.J. 1987. PLIOCENE TO HOLOCENE PALYNOSTRATIGRAPHY AT ODP SITE 645, BAFFIN BAY [ABSTRACT]. IN: THE AMERICAN ASSOCIATION OF STRATIGRAPHIC PALYNOLOGISTS ANNUAL MEETING (20TH: 1987: HALIFAX), PROGRAMME AND ABSTRACTS. THE AMERICAN ASSOCIATION OF STRATIGRAPHIC PALYNOLOGISTS INC. P.44.

428

DE VERNAL, A., MUDIE, P.J. 1987. PLIOCENE TO RECENT PALYNOSTRATIGRAPHY AT ODP SITES 646 AND 647, EASTERN AND SOUTHERN LABRADOR SEA [ABSTRACT]. IN: THE AMERICAN ASSOCIATION OF STRATIGRAPHIC PALYNOLOGISTS ANNUAL MEETING (20TH: 1987: HALIFAX), PROGRAMME AND ABSTRACTS. HALIFAX: THE AMERICAN ASSOCIATION OF STRATIGRAPHIC PALYNOLOGISTS INC. P.42.

429

DE VOOGD, B., KEEN, C.E. 1987. LITHOPROBE EAST: RESULTS FROM REFLECTION PROFILING ON THE CONTINENTAL MARGIN: GRAND BANKS REGION. GEOPHYSICAL JOURNAL OF THE ROYAL ASTRONOMICAL SOCIETY 89: 195-200. (GSC CONTRIBUTION NO.33586)

THIS PAPER PRESENTS THE SALIENT RESULTS OF 1600 KM OF DEEP SEISMIC REFLECTION PROFILES COLLECTED ON THE GRAND BANKS BY LITHOPROBE-EAST IN 1985. DEEP FAULT GEOMETRY, LOWER CRUSTAL AND MOHO REFLECTIONS, AND STRUCTURE OF THE CONTINENT-OCEAN TRANSITION ARE DISCUSSED.

430

DEAN, W.E., GARDNER, J.V., JANSKA, L.F., CEPEK, P., SEIBOLD, E. 1978. CYCLIC SEDIMENTATION ALONG THE CONTINENTAL MARGIN OF NORTHWEST AFRICA. IN: INITIAL REPORTS OF THE DEEP SEA DRILLING PROJECT, Y. LANCELOT, E. SEIBOLD, ET AL. WASHINGTON: U.S. GOVERNMENT PRINTING OFFICE. V.41: 965-989. (BIO CONTRIBUTION NO. 817).

LONG SEQUENCES OF CYCLIC SEDIMENTS CORED ON THE ATLANTIC CONTINENTAL

MARGIN OFF NORTHWEST AFRICA ARE THE RESULT OF TURBIDITE DEPOSITION, VARIATION OF PH AND EH, AND CARBONATE DISSOLUTION. THE TURBIDITES REPRESENT A PERIOD OF 10,000 YR AND THE REDOX CYCLE 30-50,000 YR. THE LATTER ARE DISCUSSED IN RELATION TO THE PALEOCLIMATIC CHANGES.

431

DEONARINE, B. 1979. FORAMINIFERAL DISTRIBUTION IN TWO NOVA SCOTIA MARSHES. MARITIME SEDIMENTS 15(2/3): 35-45.

THIRTY SEDIMENT SAMPLES FROM MARSHES AT PEGGY'S COVE AND CLEMENTSPORT, NOVA SCOTIA, WERE EXAMINED AND NINE BENTHONIC FORAMINIFERA SPECIES IDENTIFIED. AGGLUTINATED TESTS FORM 98% OF THE TOTAL FORAMINIFERAL POPULATION. TROCHAMMINA MACRESCENS, THE DOMINANT FORM IN UPPER MARSH ENVIRONMENTS, IS GRADUALLY REPLACED BY MILLAMMINA FUSCA AS LOWER MARSH CONDITIONS ARE DEVELOPED. M. FUSCA COMPRISES 97% OF THE TOTAL POPULATION IN THE LOWER MARSH ENVIRONMENTS SAMPLED IN THIS STUDY.

432

DEONARINE, B., VILKS, G. 1977. FORAMINIFERA IN SEDIMENT CORES FROM LABRADOR SHELF. GEOLOGICAL SURVEY OF CANADA OPEN FILE 485. 115P.

THE REPORT CONTAINS A QUANTITATIVE LIST OF FORAMINIFERA FROM 21 SEDIMENT CORES.

433

DEVOCGD, B., KEEN, C.E. 1986. DEEP SEISMIC REFLECTION PROFILING OF A CONTINENTAL MARGIN: LITHOPROBE-EAST 1985 SURVEYS [ABSTRACT]. ECS; TRANSACTIONS, AMERICAN GEOPHYSICAL UNION 67(44): 1191.

SALIENT RESULTS OF THE 1985 LITHOPROBE PROFILES OFFSHORE NEWFOUNDLAND ARE PRESENTED. THESE DATA SHED NEW LIGHT ON DEEP BASINS GEOMETRY, STRUCTURE OF THE LOWER CONTINENTAL CRUST, AND THE NATURE OF THE CONTINENT-OCEAN TRANSITION.

434

DICKENS, D.F.ASSOCIATES LTD. 1988. AERIAL RECONNAISSANCE SURVEY OF ICE BREAK-UP PROCESSES IN THE CANADIAN BEAUFORT SEA COASTAL ZONE. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1687. 97 P.

THIS REPORT PRESENTS THE RESULTS OF A FIELD SURVEY CARRIED OUT FROM MAY 31 TO JUNE 21 1987 ALONG THE CANADIAN BEAUFORT SEA COAST. THE STUDY DOCUMENTS SEA ICE BREAK UP, ICE PILE UPS AND STRUDEL SCOURS USING OBLIQUE AERIAL PHOTOGRAPHY AND VIDEOTAPING.

434.1

DILLON, W.P., MANHEIM, F.T., JANSA, L.F., PALMASON, G., TUCHOLKE, B.E., LANDRUM, R.S. 1986. RESOURCE POTENTIAL OF THE WESTERN NORTH ATLANTIC BASIN. IN: THE WESTERN NORTH ATLANTIC REGION, ED., P.R. VOGT AND B.E. TUCHOLKE. BOULDER, COL: GEOLOGICAL SOCIETY OF AMERICA. P. 661-676. (THE GEOLOGY OF NORTH AMERICA VOL. M) (DECADE OF NORTH AMERICAN GEOLOGY PROJECT) (GEOLOGICAL SURVEY OF CANADA CONTRIBUTION 39686).

- 435
DIXON, J., MCNEIL, D.H., DIETRICH, J.R., BUJAK, J.P., DAVIES, E.H. 1984. GEOLOGY AND LITHOSTRATIGRAPHY OF THE DOME GULF ET AL. HUNT KOPANOGAR M-13 WELL, BEAUFORT SEA. GEOLOGICAL SURVEY OF CANADA PAPER 82-13. 28P. & 2 CHARTS.
- 436
DOBROCKY SEATECH LTD. 1988. BEAUFORT SEA GEOPHYSICAL SURVEY; SCOPING STUDY. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1690. 144 P.
- THE REPORT PRESENTS RESULTS OF A FEASIBILITY STUDY FOR CONDUCTING SHALLOW WATER GEOPHYSICAL SURVEYS IN THE CANADIAN BEAUFORT SEA. IT FOCUSES ON SUITABLE VESSELS AND APPROPRIATE HIGH RESOLUTION SEISMIC PROFILING EQUIPMENT.
- 437
DODDS, D.J. 1980. ATTENUATION ESTIMATES FROM HIGH RESOLUTION SUBBOTTOM PROFILER ECHOES. IN: BOTTOM-INTERACTING OCEAN ACOUSTICS, ED., W.A. KUPERMAN AND F.B. JENSEN. NEW YORK: PLENUM PRESS. P.173-191. (NATO CONFERENCE SERIES; IV. MARINE SCIENCES 5) (BIO CONTRIBUTION NO. 907).
- THE ATTENUATION CONSTANT OF A SEDIMENT LAYER IS CALCULATED BY EXAMINING THE SPECTRUM OF A REFLECTION FROM THE BOTTOM OF THE LAYER.
- 438
DODDS, D.J., FADER, G.B.J. 1986. A COMBINED SEISMIC REFLECTION PROFILER AND SIDESCAN SONAR SYSTEM FOR DEEP OCEAN GEOLOGICAL SURVEYS [ABSTRACT]. IN: PROGRESS IN UNDERWATER ACOUSTICS; SYMPOSIUM ON UNDERWATER ACOUSTICS (1986: HALIFAX, N.S.), ED., H.M. MERKLINGER. NEW YORK: PLENUM PRESS. P.169. (GSC CONT. 33686)
- PRESENTS THE DESIGN AND TESTING OF THE "SEAMOR" SYSTEM THROUGH THE SEABED II PROJECT; AND N.R.C., EMR, DFO AND DND TECHNOLOGICAL DEVELOPMENT FOR DEEP OCEAN GEOLOGICAL MAPPING.
- 439
DOEVEN, P.H. 1983. CRETACEOUS NANNOFOSSIL STRATIGRAPHY AND PALEOECOLOGY OF THE NORTHWESTERN ATLANTIC. GEOLOGICAL SURVEY OF CANADA BULLETIN 356. 69P.
- BASED ON CONVENTIONAL AND PROBABILISTIC TECHNIQUES, A NANNOFOSSIL ZONATION HAS BEEN ERRECTED AND USED TO CORRELATE ALBIAN THROUGH MAASTRICHTIAN ROCKS IN 17 WELLS, OFFSHORE EASTERN CANADA.
- 440
DOEVEN, P.H., GRADSTEIN, F.M. 1981. A QUANTITATIVE NANNOFOSSIL RANGE CHART [ABSTRACT]. GEOLOGICAL ASSOCIATION OF CANADA/MINERALOGICAL ASSOCIATION OF CANADA/CANADIAN GEOPHYSICAL UNION PROGRAM WITH ABSTRACTS 6: A15.
- 441
DOEVEN, P.H., GRADSTEIN, F.M. [1980] LATE CRETACEOUS NANNOFOSSIL STRATIGRAPHY AND ASPECTS OF CARBONATE SEDIMENTATION ON THE CANADIAN ATLANTIC MARGIN [ABSTRACT]. GEOLOGICAL ASSOCIATION OF CANADA ANNUAL MEETING ABSTRACTS 5: 49.

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DOEVEN, P.H., GRADSTEIN, F.M., JACKSON, A., AGTERBERG, F.P., NEL, L.D. 1982. A QUANTITATIVE NANNOFOSSIL RANGE CHART. MICROPALAEONTOLOGY 28(1): 85-92.

INTRODUCTION OF THE CONCEPT OF AVERAGE VERSUS TOTAL STRATIGRAPHIC RANGES. THE ZONATION AND COMPUTER RANGE CHART USING OUR PROBA BILISTIC METHODS IN THE RASC COMPUTER PROGRAM MATCH THE MOST DETAILED LITERATURE ZONATION. THE DATA BASE USED IS THAT FOR LATE CRETACEOUS NANNOFOSSILS IN 10 WELLS DRILLED IN OFFSHORE EASTERN CANADA.

443

DONALDSON, J.R., HACQUEBARD, P.A. 1967. COAL MINE GEOLOGY AND EVALUATION OF COAL RESERVES. GEOLOGICAL SURVEY OF CANADA PAPER 67-1B: 52.

444

DORHOFER, G., DAVIES, E.H. 1979. EVOLUTION OF DINOFLAGELLATE CYST ARCHEOPYLES; EVIDENCE FROM THE JURASSIC AND LOWER CRETACEOUS [ABSTRACT]. IN: AMERICAN ASSOCIATION OF STRATIGRAPHIC PALYNOLOGISTS, PROCEEDINGS OF THE ANNUAL MEETING (10TH: 1977: TULSA, OKLA). PALYNOLOGY 3: 283.

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DORHOFER, G., DAVIES, E.H. 1980. EVOLUTION OF ARCHEOPYLE AND TABULATION IN RHAETOGONYAULACINEAE DINOFLAGELLATE CYSTS. ROYAL ONTARIO MUSEUM LIFE SCIENCES MISCELLANEOUS PUBLICATIONS. 91P.

JURASSIC TO EARLY CRETACEOUS DINOFLAGELLATE CYSTS FROM ARCTIC CANADA AND GERMANY DEMONSTRATE EVOLUTIONARY LINEAGES. THE EARLIEST SUESSIOID CYSTS FORMED DISINTEGRATION ARCHEOPYLES FROM WHICH LATER GENERA STABILIZED INTO DEFINITE POSITIONS. THE RHAETOGONYAULACINEAE MAY BE TRACED FROM THE TRIASSIC TO EARLY LATE CRETACEOUS.

446

DOWNIE, C., HUSSAIN, M.A., WILLIAMS, G.L. 1971. DINOFLAGELLATE CYST AND ACRITARCH ASSOCIATIONS IN THE PALEOGENE OF SOUTHEAST ENGLAND. GEOSCIENCE AND MAN 3: 29-35.

A STUDY OF QUANTITATIVE VARIATIONS IN SOME LOWER TERTIARY DINO FLAGELLATE AND ACRITARCH ASSEMBLAGES DEMONSTRATED THE EXISTENCE OF FOUR DISTINCT ASSOCIATIONS, EACH OF WHICH IS CHARACTERIZED BY THE PRESENCE OF SPECIES BELONGING TO ONE TO OUR GENERA. IN EACH SAMPLE ANY ONE OF THESE FOUR ASSOCIATIONS IS DOMINANT. THE DISTRIBUTION OF THE ASSOCIATIONS CAN USUALLY BE RELATED TO LITHOLOGY. FROM THIS IT IS INFERRED THAT THE CONTROLLING FACTORS ARE ECOLOGIC.

447

DOWNIE, C., WILLIAMS, G.L., SARJEANT, W.A.S. 1961. CLASSIFICATION OF FOSSIL MICROPLANKTON. NATURE 192(4801): 471.

A PROPOSAL TO CLASSIFY FOSSIL DINOFLAGELLATES AS PLANTS, RATHER THAN ANIMALS.

448

DRAPEAU, G. 1973. FACTOR ANALYSIS: HOW IT COPEs WITH COMPLEX GEOLOGICAL PROBLEMS. JOURNAL OF THE INTERNATIONAL ASSOCIATION FOR MATHEMATICAL GEOLOGY 5(4): 351-363.

A SET OF 81 SAMPLES DESCRIBING THE TEXTURE OF SEDIMENTS OF SCOTIAN SHELF IS USED TO CALCULATE SEVEN FACTOR ANALYSES COMPRISING FROM THREE TO NINE FACTORS. FACTOR LOADINGS ARE USED TO DETERMINE THAT THE FOUR-FACTOR SOLUTION IS THE MOST REALISTIC. THE GOODNESS OF FIT OF THAT FOUR FACTOR SOLUTION IS ANALYSED.

449

DRAPEAU, G. 1973. NATURAL CLEANING OF OIL POLLUTED SEASHORES. IN: PROCEEDINGS OF THE COASTAL ENGINEERING CONFERENCE (13TH: 1972: VANCOUVER, B.C.). NEW YORK: AMERICAN SOCIETY OF CIVIL ENGINEERS. V.3: 2557-2575.

FIELD OBSERVATIONS WERE CARRIED OUT FOR A PERIOD OF 20 MONTHS ON THE SEASHORES OF CHEDABUCTO BAY, FOLLOWING THE SPILLAGE OF 108,000 BARRELS OF BUNKER C OIL IN THE BAY FROM THE TANKER ARROW IN FEBRUARY 1970.

450

DRAPEAU, G. 1973. SEDIMENTOLOGY OF HERRING SPAWNING GROUNDS ON GEORGES BANK. INTERNATIONAL COMMISSION FOR THE NORTHWEST ATLANTIC FISHERIES RESEARCH BULLETIN NUMBER 10: 151-162.

HERRING ON GEORGES BANK SPAWN PREFERENTIALLY ON GRAVEL SUBSTRATUM IN A HIGH ENERGY ENVIRONMENT.

451

DRAPEAU, G., FORBES, D.L., BOCZAR-KARAKIEWICZ, B. 1987. NEAR-BED CURRENTS AND SEDIMENT TRANSPORT ON THE INNER SCOTIAN SHELF DURING CASP. PROCEEDINGS, THE OCEANS - AN INTERNATIONAL WORKPLACE 3: 981-986. (GEOLOGICAL SURVEY OF CANADA CONTRIBUTION 18587).

MEASUREMENTS OF NEAR-BED CURRENTS OBTAINED USING TWO S4 CURRENT METERS DEPLOYED IN 20 AND 30 M WATER DEPTH ON THE INNER SCOTIAN SHELF DURING FEBRUARY-MARCH 1986 HAVE BEEN USED TO DETERMINE MEAN AND ORBITAL VELOCITIES FOR ESTIMATION OF SAND TRANSPORT RATES, YIELDING ESTIMATES RANGING FROM 0 TO 443 KG/(M HR).

452

DRAPEAU, G., HODGINS, D.O., LONG, B.F., AMOS, C.L. 1985. RADIO-ISOTOPE TRACER MEASUREMENTS OF SAND TRANSPORT ON THE OUTER CONTINENTAL SHELF, SABLE ISLAND CANADA. IN: OCEAN ENGINEERING AND THE ENVIRONMENT; OCEANS 85 (1985: SAN DIEGO, CA); CONFERENCE RECORD. NEW YORK: IEEE; WASHINGTON, DC: MARINE TECHNOLOGY SOCIETY. V.1: 581-586.

453

DRAPEAU, G., KING, L.H. 1972. SURFICIAL GEOLOGY OF THE YARMOUTH - BROWNS BANK MAP AREA. GEOLOGICAL SURVEY OF CANADA PAPER 72-24. 6P. + 1 MAP. (MARINE SCIENCE PAPER 2) (BIO CONTRIBUTION NO. 304)

DESCRIPTION OF THE SURFICIAL SEDIMENTS OF THE SCOTIAN SHELF BETWEEN HALIFAX AND YARMOUTH.

454

DRUGG, W.S., SULLIVAN, F.R., WILLIAMS, G.L. 1977. NANNOFOSSILS AND DINOFLAGELLATES IN JOIDES CORE HOLES 1-6 [ABSTRACT]. IN: AMERICAN ASSOCIATION OF STRATIGRAPHIC PALYNOLOGISTS, PROCEEDINGS OF THE ANNUAL MEETING (8TH: 1975: HOUSTON, TX). PALYNOLOGY 1: 172-173.

455

DUCKWORTH, G.L., BAGGEROER, A.B., JACKSON, H.R. 1982. CRUSTAL STRUCTURE MEASUREMENTS NEAR FRAM II IN THE POLE ABYSSAL PLAIN. TECTONOPHYSICS 89(1/3): 173-215.

456

DUEDALL, I.W., BUCKLEY, D.E. 1971. CALCIUM CARBONATE MONOHYDRATE IN SEA WATER. NATURE, PHYSICAL SCIENCE 234(45): 39-40. (BIO CONTRIBUTION NO. 263)

457

DUNERACK, S.S., AMOS, C.L. 1977. HYDROGRAPHIC INVOLVEMENT IN EARTH SCIENCES STUDY IN MINAS BASIN. IN: PROCEEDINGS OF THE ANNUAL CANADIAN HYDROGRAPHIC CONFERENCE (16TH: 1977: BURLINGTON, ONT.). LIGHTHOUSE SPECIAL EDITION: 44-48.

458

DUNSIGER, A.D., CHARI, T.R., FADER, G.B., PETERS, G.R., SIMPKIN, P.G., ZIELINSKI, A. 1981. OCEAN SEDIMENTS - A STUDY RELATING GEOPHYSICAL, GEOTECHNICAL, AND ACOUSTIC PROPERTIES. CANADIAN GEOTECHNICAL JOURNAL 18(4): 492-501.

459

DURLING, P.W., BELL, J.S., FADER, G.B. 1986. THE GEOLOGICAL STRUCTURE OF THE PALEOZOIC ROCKS ON THE AVALON PLATFORM, OFFSHORE NEWFOUNDLAND, CANADA [ABSTRACT]. IN: CURRENT RESEARCH IN THE ATLANTIC PROVINCES; ABSTRACTS, ATLANTIC GEOSCIENCE SOCIETY 1986 COLLOQUIUM. MARITIME SEDIMENTS AND ATLANTIC GEOLOGY 22(2): 182.

SINGLE CHANNEL SEISMIC REFLECTION LINES REVEAL A GENTLY FOLDED ORDOVICIAN - SILURIAN MARINE SHALE SEQUENCE UNCONFORMABLY overlain BY A SYNCLINE CONTAINING ? DEVONIAN RED BEDS ON THE AVALON PLATFORM.

460

DURLING, P.W., BELL, J.S., FADER, G.B.J. 1987. THE GEOLOGICAL STRUCTURE AND DISTRIBUTION OF PALEOZOIC ROCKS ON THE AVALON PLATFORM, OFFSHORE NEWFOUNDLAND. CANADIAN JOURNAL OF EARTH SCIENCES 24(7): 1412-1420. (GEOLOGICAL SURVEY OF CANADA CONTRIBUTION 31486).

SINGLE CHANNEL SEISMIC REFLECTION PROFILES, CORE SAMPLES AND BIOSTRATIGRAPHIC INFORMATION HAVE BEEN USED TO MAP A 4000M THICK ORDOVICIAN-SILURIAN MARINE SHALE SEQUENCE THAT IS GENTLY FOLDED ABOUT NNW-SSE AXES AND IS UNCONFORMABLY overlain BY APPROXIMATELY 700M OF ? DEVONIAN REDBEDS.

461

DURLING, P.W., FADER, G.B. 1986. GEOLOGICAL ASSESSMENT OF SHALLOW FAULTS AND STRUCTURAL DISTURBANCES FROM THE EASTERN SCOTIAN SHELF AND LAURENTIAN CHANNEL AREA. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1371. 27P. & 2 MAPS.

AN ANALYSIS OF AIRGUN AND HUNTEC DTS HIGH RESOLUTION SEISMIC REFLECTION PROFILES ON THE NORTHEASTERN SCOTIAN SHELF REVEALED 42 CLEARLY DEFINED BEDROCK FAULTS AND TWO SURFICIAL SEDIMENT FAULTS. VARIOUS DISPLACEMENTS ON THE FAULTS WERE MEASURED AND NO RELATIONSHIP BETWEEN BEDROCK AND SURFICIAL SEDIMENT FAULTING WAS ESTABLISHED.

462

D'APOLLONIA, S.J. 1987. ICEBERG GROUNDING MODEL RESULTS FOR NORTHERN GRAND BANK, 1983-1986, AND SELECTED CONSOLIDATION AND RETRIEVAL OF ICE SCOUR DATABASE. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1587. 109 P.

A PROGRESS REPORT OF UPDATE WORK ON THE ESRF/AGC ICE SCOUR DATABASE AND THE AGC ICEBERG ARRIVAL GROUNDING MODEL. NUMBERS OF GROUNDINGS ARE CALCULATED FOR VARIOUS ASSUMPTIONS, CELL WATER DEPTH AND DRAUGHT DISTRIBUTION, GIVEN THE ICEBERG FLUXES FOR 1983 TO 1986 INCLUSIVE AS REPORTED BY INTERNATIONAL ICE PATROL.

463

D'APPOLONIA, S.J., LEWIS, C.F.M. 1986. NUMERICAL MODEL FOR CALCULATING SPATIAL DISTRIBUTION AND MEAN FREQUENCY OF ICEBERG GROUNDING EVENTS. IN: ICE SCOUR AND SEABED ENGINEERING: PROCEEDINGS OF A WORKSHOP ON ICE SCOUR RESEARCH, ED., C.F.M. LEWIS. OTTAWA: ENVIRONMENTAL STUDIES REVOLVING FUNDS. ENVIRONMENTAL STUDIES REVOLVING FUNDS REPORT NO. 049: 221-232.

A NUMERICAL SCHEME USING CELLS 9.3 X 9.3 KM SIMULATES MEAN LONG TERM ICEBERG GROUNDING EVENTS IN TERMS OF GIVEN ICEBERG FLUX, ICEBERG KEEL DRAFT AND SEABED BATHYMETRY. ON NORTHEASTERN GRAND BANKS GOOD AGREEMENT IS FOUND BETWEEN PREDICTED SPATIAL DISTRIBUTION OF GROUNDINGS AND MAPPED DENSITY OF ICEBERG SCOUR MARKS.

464

D'LORIO, M.A., AGTERBERG, F.P., GRADSTEIN, F.M. 1987. INTEGRATION OF PALYNOLOGICAL AND FORAMINIFERAL BIOSTRATIGRAPHY USING RANKING AND SCALING [ABSTRACT]. IN: THE AMERICAN ASSOCIATION OF STRATIGRAPHIC PALYNOLOGISTS ANNUAL MEETING (20TH: 1987: HALIFAX), PROGRAMME AND ABSTRACTS. THE AMERICAN ASSOCIATION OF STRATIGRAPHIC PALYNOLOGISTS INC. P.48.

465

EARTH AND OCEAN RESEARCH LIMITED 1987. ASSESSMENT OF ACOUSTIC TECHNOLOGY FOR SEABED GEOPHYSICAL INVESTIGATIONS IN ARCTIC REGIONS OF PERMANENT SEA ICE COVER. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1517. 243 P.

THIS REPORT HAS BEEN PREPARED TO ASSESS THE CURRENT AND POSSIBLE FUTURE TECHNOLOGIES FOR ACQUIRING HIGH RESOLUTION SEABED GEOPHYSICAL PROFILE INFORMATION IN ARCTIC REGIONS OF PERMANENT SEA ICE COVER. REPORT PREPARED BY EARTH AND OCEAN RESEARCH LTD. FOR ATLANTIC GEOSCIENCE CENTRE, ENERGY,

MINES AND RESOURCES CANADA UNDER DSS CONTRACT NO. OSC 86-00008-(008)/A.

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EARTH AND OCEAN RESEARCH LTD. 1985. INDEX OF COMMERCIALY ACQUIRED POTENTIAL FIELD DATA IN THE CANADIAN EAST COAST OFFSHORE. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1158. 2V.

A CATALOG DESCRIBING INDUSTRY OPERATIONS PRIOR TO 1980 WHERE GRAVITY AND MAGNETIC DATA HAVE BEEN COLLECTED OFF THE EAST COAST OF CANADA.

467

EDGAR, D.C., PIPER, D.J.W. 1979. A NEW BATHYMETRIC MAP OF THE MIDDLE LAURENTIAN FAN. MARITIME SEDIMENTS 15(1): 1-3.

468

ELVERS, D., SRIVASTAVA, S.P., POTTER, K., MORLEY, J., SEIDEL, D. 1973. ASYMMETRIC SPREADING ACROSS THE JUAN DE FUCA AND GORDA RISES AS OBTAINED FROM A DETAILED MAGNETIC SURVEY. EARTH AND PLANETARY SCIENCE LETTERS 20(2): 211-219. (BIO CONTRIBUTION NO. 379).

THE VARIATION IN THE OFFSETS OF THE MAGNETIC ANOMALIES ACROSS FRACTURE ZONES OFF WASHINGTON-OREGON COASTS HAS BEEN INTERPRETED IN TERMS OF THE DIFFERENTIAL SEA FLOOR SPREADING MECHANISM. THE INTERPRETATION REVEALS THAT BLANCO FRACTURE ZONE BEGAN ABOUT 15 M.Y. BEFORE PRESENT.

469

EL-TAHAN, M., EL-TAHAN, H., MORAN, K. 1986. DOCUMENTATION OF ICEBERG GROUNDINGS. IN: ICE SCOUR AND SEABED ENGINEERING: PROCEEDINGS OF A WORKSHOP ON ICE SCOUR RESEARCH, ED., C.F.M. LEWIS [ET AL.]. OTTAWA: ENVIRONMENTAL STUDIES REVOLVING FUNDS. P.194-199. (ENVIRONMENTAL STUDIES REVOLVING FUNDS REPORT NO. 049).

470

EMERSON, S., CRANSTON, R.E., LISS, P.S. 1979. REDOX SPECIES IN A REDUCING FJORD: EQUILIBRIUM AND KINETIC CONSIDERATIONS. DEEP-SEA RESEARCH 26(8A): 859-878.

DATA FOR TEN REDOX SENSITIVE CHEMICAL SPECIES FROM A REDUCING FJORD INDICATED THAT SOME REDUCED SPECIES CAN EXIST METASTABLY IN OXIDIZED WATERS DUE TO KINETIC EFFECTS.

471

ERVINE, W.B. 1985. A SYNTHESIS OF HYDROCARBON MATURATION DATA FOR THE EAST NEWFOUNDLAND BASIN. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1178. 105P.

TIME-TEMPERATE INDEX (TTI) VALUES HAVE BEEN CALCULATED FOR 23 WELLS AND CALIBRATED WITH VITRINITE REFLECTANCE DATA. TTI'S WERE COMPARED ALSO WITH OTHER MATURATION AND GEOCHEMICAL DATA. THIS INFORMATION WAS CORRELATED WITH HYDROCARBON OCCURRENCE, TYPE AND QUALITY OF KEROGEN AND BASIN STRUCTURE TO CREATE A HYDROCARBON GENERATION MODEL.

472

ERVINE, W.B., BELL, J.S. 1987. SUBSURFACE IN SITU STRESS MAGNITUDES FROM OIL-WELL DRILLING RECORDS: AN EXAMPLE FROM THE VENTURE AREA, OFFSHORE EASTERN CANADA. CANADIAN JOURNAL OF EARTH SCIENCES 24(9): 1748-1759. (GEOLOGICAL SURVEY OF CANADA CONTRIBUTION 30186).

FORMATION BREAKDOWN TESTS, PORE PRESSURE MEASUREMENTS AND DENSITY LOG RECORDS ARE USED TO ESTIMATE STRESS MAGNITUDES IN THE VENTURE AREA BETWEEN SUBSEA DEPTHS OF 815M AND 5773M. THE METHODOLOGY IS DEFINED.

473

ESOPE SCIENTIFIC PARTY, SHEPHARD, L.E., [BUCKLEY, D.E.], [CRANSTON, R.E.] 1985. ETUDE DES SEDIMENTS OCEANIQUE PAR PENETRATION (ESOPE): AN INTERNATIONAL STUDY OF ABYSSAL PLAINS USING LONG-CORES [ABSTRACT]. EOS; TRANSACTIONS, AMERICAN GEOPHYSICAL UNION 66(46): 943.

LONG CONTINUOUS PISTON CORES UP TO 34.3M WERE OBTAINED FROM THE MADEIRA PLAIN IN THE EASTERN NORTH ATLANTIC, AND CORES UP TO 26.2 M WERE OBTAINED FROM THE SOUTHERN NARES ABYSSAL PLAIN. THESE CORE SAMPLES INTERSECTED TURBIDITES IN BOTH ABYSSAL PLAINS, WITH MAP TURBIDITES BEING CONTINUOUS OVER DISTANCES OF 100 KM OR MORE. SHEAR STRENGTH GRADIENTS VARIED FROM 1.5 K PA/M IN MAP TO 1 K PA/M IN SNAP.

474

EVANS, C., BOILLOT, G., WINTERER, E., MEYER, A., APPLGATE, J., BALIUCK, M., BERGEN, J., COMAS, M., DAVIES, T., DUNHAM, K., GIRARDEAU, J., GOLDBERG, D., HAGGERTY, J., JANSÁ, L., JOHNSON, J., KASAHARA, J., LOREAU, J.P., LUNA, E., MOULLADE, M., OGG, J., SARTI, M., THURLOW, J., WILLIAMSON, M. 1985. PERIDOTITES FROM THE GALICIA MARGIN, OCEAN DRILLING PROGRAM LEG 103 [ABSTRACT]. EOS; TRANSACTIONS, AMERICAN GEOPHYSICAL UNION 66(46): 1130.

PERIDOTITES ENCOUNTERED AT SITE 637 ARE SERPENTINIZED, FOLIATED CLINOPYROCENE RICH HARZBURGITES. THE EMPLACEMENT AND RELATIONSHIP TO THE MARGIN EVOLUTION REMAIN UNCLEAR.

475

EVITT, W.R., LENTIN, J.K., MILLICUD, M.E., STOVER, L.E., WILLIAMS, G.L. 1977. DINOFLAGELLATE CYST TERMINOLOGY. GEOLOGICAL SURVEY OF CANADA PAPER 76-24. 11P.

PRESENTATION OF A NEW TERMINOLOGY FOR DESCRIBING FOSSIL DINO CYSTS.

476

EWING, G.N., DAINTY, A.M., BLANCHARD, J.E., KEEN, M.J. 1966. SEISMIC STUDIES ON THE EASTERN SEABOARD OF CANADA: THE APPALACHIAN SYSTEM. I. CANADIAN JOURNAL OF EARTH SCIENCES 3: 89-109. (BEDFORD INSTITUTE CONTRIBUTION NO. 44).

477

EXTON, J., GRADSTEIN, F.M. 1984. EARLY JURASSIC STRATIGRAPHY AND MICROPALAEONTOLOGY OF THE GRAND BANKS AND PORTUGAL. IN:

JURASSIC-CRETACEOUS BIOCHRONOLOGY AND PALEOGEOGRAPHY OF NORTH AMERICA, ED., G.E.G. WESTERMAN. GEOLOGICAL ASSOCIATION OF CANADA SPECIAL PAPER 27: 13-30.

AN EXPANSION OF THE 1976 GRAND BANKS ZONATION TO PORTUGAL AND CORRELATION WITH AMMONITE ZONES. A COMPARISON OF LITHOFACIES ON EACH SIDE OF THE PRESENT OCEAN SHOWS SYNCHRONETTY WITH THE GRAND BANKS BEING MORE SHALEY BUT LESS BITUMINOUS IN THE BAJOCIAN.

478

FADER, G. 1983. SEABED II. BIO REVIEW '83: 41.

479

FADER, G.B. 1983. SPARKER SEISMIC REFLECTION PROFILES; BAY OF FUNDY FROM GRAND MANAN ISLAND TO CHIGNECTO BAY. GEOLOGICAL SURVEY OF CANADA OPEN FILE 898. 1V. + CHART, PROFILES.

480

FADER, G.B. 1984. THE WISCONSINAN GLACIATION OF THE SOUTHEAST CANADIAN CONTINENTAL SHELF [ABSTRACT]. IN: ATLANTIC GEOSCIENCE SOCIETY COLLOQUIUM ON CURRENT RESEARCH IN THE ATLANTIC PROVINCES (1984: AMHERST, N.S.), ABSTRACTS. [S.L.]: THE COLLOQUIUM. P.92-93. (MARITIME SEDIMENTS AND ATLANTIC GEOLOGY 20(2))

MAJOR ICE SHEET EXTENDED ACROSS THE CONTINENTAL SHELF 65,000 Y B.P.. ICE SHEET BEGAN TO RECEDE BY 46,000 Y B.P. AND ICE SHELF WAS DEVELOPED OVER BALSIN AREAS. MOST SEDIMENTS ON THE SHELF ARE PART OF ONE REGRESSIVE GLACIAL SEQUENCE.

481

FADER, G.B.J. 1985. EVIDENCE FOR A LATE WISCONSINAN LOW SEA LEVEL STAND OF 100-120M FROM THE SCOTIAN SHELF TO THE GRAND BANKS OF NEWFOUNDLAND [ABSTRACT]. IN: ARCTIC LAND-SEA INTERACTION; ARCTIC WORKSHOP (14TH: 1985: BEDFORD INSTITUTE OF OCEANOGRAPHY, DARIMOUTH, N.S.), [COMP., G.M. VILKS AND J.P.M. SYVITSKI. DARIMOUTH, N.S.: THE WORKSHOP]. P.137-138. (GEOLOGICAL SURVEY OF CANADA OPEN FILE 1223).

SEDIMENT DISTRIBUTION, TEXTURE, MORPHOLOGY, STRATIGRAPHY, ICEBERG FURROWS AND GEOTECHNICAL PROPERTIES OF SURFICIAL SEDIMENTS ON THE SOUTHEAST CANADIAN CONTINENTAL SHELF INDICATE A 15000 Y. B.D. LOWER SEA LEVEL OF 100-120 M DEPTH.

482

FADER, G.B.J. 1986. SURFICIAL AND BEDROCK GEOLOGY OF THE GRAND BANKS. BIO REVIEW '85: 16-20.

AN OVERVIEW OF THE BEDROCK GEOLOGY, SEA LEVEL HISTORY, BEDFORMS, GLACIATION AND ICEBERG GROUNDINGS OF THE GRAND BANKS OF NEWFOUNDLAND IS PRESENTED.

483

FADER, G.B.J. 1987. QUATERNARY GEOLOGY OF THE SOUTHEASTERN CANADIAN OFFSHORE

[ABSTRACT]. IN: INTERNATIONAL UNION FOR QUATERNARY RESEARCH INTERNATIONAL CONGRESS (12TH: 1987: OTTAWA) PROGRAMME AND ABSTRACTS. OTTAWA: NATIONAL RESEARCH COUNCIL OF CANADA. P.164.

WISCONSINAN WE EXTENDED ACROSS THE CONTINENTAL SHELF TO THE UPPER SLOPE IN 700M WATER DEPTH. STAGE 6 GLACIAL SEDIMENT ARE RARE ON THE INNER SHELF BUT MORE WIDESPREAD ON THE OUTER SHELF.

484

FADER, G.B.J., BARRIE, J.V., PARROTT, D.R., D'APOLLONIA, S. 1986. QUATERNARY GEOLOGY OF THE HIBERNIA AREA OF NORTHEAST GRAND BANK, MAP 14968QG. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1222: 1 MAP.

SURFICIAL FORMATIONS, SEABED FEATURES, TEXTURE, BOTTOM PHOTOGRAPHS, SIDESCAN SONOGRAMS CONCERNING THE SURFICIAL GEOLOGY OF THE HIBERNIA AREA OF THE GRAND BANKS OF NEWFOUNDLAND ARE PRESENTED IN A MAPPED FORMAT WHICH DISPLAYS A CENTRAL MAIN MAP AT 1:250,000 SURROUNDED BY SMALLER 1:500,000 SCALE MAPS.

485

FADER, G.B., GEONAUTICS-LIMITED. 1984. A GEOPHYSICAL SURVEY OF GEORGES BANK, GEORGES BASIN AND NORTHEAST CHANNEL AREA OF THE GULF OF MAINE. GEOLOGICAL SURVEY OF CANADA OPEN FILE 978. 3V.

PRESENTS THE RESULTS OF THE GEOLOGICAL AND GEOPHYSICAL SURVEY BY GEONAUTICS LTD., ST. JOHN'S, NEWFOUNDLAND UNDER CONTRACT TO THE ATLANTIC GEOSCIENCE CENTRE, GEOLOGICAL SURVEY OF CANADA.

486

FADER, G.B.J., KING, E., GILLESPIE, R., KING, L.H. 1988. SURFICIAL GEOLOGY OF GEORGES BANK, BROWNS BANK AND THE SOUTHEASTERN GULF OF MAINE. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1692: 3 MAPS.

OPEN FILE REPORT CONSISTING OF 3 MAPS - SURFICIAL, GEOLOGY, BEDFORMS AND SEABED FEATURES, AND BATHYMETRY.

487

FADER, G.B., KING, L.H. 1981. A RECONNAISSANCE STUDY OF THE SURFICIAL GEOLOGY OF THE GRAND BANKS OF NEWFOUNDLAND. GEOLOGICAL SURVEY OF CANADA PAPER 81-1A: 45-56.

THE RESULTS OF A RECONNAISSANCE GEOLOGICAL AND GEOPHYSICAL STUDY OF THE SURFICIAL SEDIMENTS AND NEAR-SURFACE BEDROCK GEOLOGY OF THE GRAND BANKS OF NEWFOUNDLAND ARE PRESENTED.

488

FADER, G.B., KING, L.H. 1981. A RECONNAISSANCE STUDY OF THE SURFICIAL GEOLOGY OF THE HIBERNIA DISCOVERY AREA - GRAND BANKS OF NEWFOUNDLAND [ABSTRACT]. GEOLOGICAL SOCIETY OF AMERICA, ABSTRACTS WITH PROGRAMS 13(3): 131.

THE RESULT OF A RECONNAISSANCE STUDY OF THE SURFICIAL AND NEAR-SURFACE BEDROCK MARINE GEOLOGY OF THE HIBERNIA DISCOVERY AREA, GRAND BANKS OF

NEWFOUNDLAND ARE PRESENTED. ON THE BASIS OF HIGH-RESOLUTION SEISMIC REFLECTION PROFILES, SIDESCAN SONOGRAMS AND BOTTOM SAMPLES, THE POSITION OF A LATE WISCONSIN LOW SEA-LEVEL STAND IS TENTATIVELY IDENTIFIED AT 110-120 M. ABOVE THESE DEPTHS GLACIAL SEDIMENTS WERE ERODED AND REDISTRIBUTED DURING THE HOLOCENE TRANSGRESSION.

489

FADER, G.B., KING, L.H., JOSEPHANS, H.W. 1979. SURFICIAL GEOLOGY, LAURENTIAN CHANNEL AND WESTERN GRAND BANKS OF NEWFOUNDLAND (SCALE 1:350,000). GEOLOGICAL SURVEY OF CANADA OPEN FILE 614: MAPS.

THIS OPEN FILE CONSISTS OF A SURFICIAL GEOLOGICAL MAP (SCALE 1:350,000) SHOWING THE DISTRIBUTION OF SURFICIAL LITHOSTRATIGRAPHIC FORMATIONS ACROSS THE SEABED. A LEGEND INCLUDES BRIEF DESCRIPTIONS OF THESE UNITS.

490

FADER, G.B., KING, L.H., JOSEPHANS, H.W. 1980. SURFICIAL GEOLOGY SOUTH OF NEWFOUNDLAND WITH EMPHASIS ON THE GLACIAL AND POST-GLACIAL HISTORY [ABSTRACT]. GEOLOGICAL ASSOCIATION OF CANADA PROGRAM WITH ABSTRACTS 5: 52.

491

FADER, G.B., KING, L.H., JOSEPHANS, H.W. 1982. SURFICIAL GEOLOGY OF THE LAURENTIAN CHANNEL AND THE WESTERN GRAND BANKS OF NEWFOUNDLAND. GEOLOGICAL SURVEY OF CANADA PAPER 81-22. 37P. (MARINE SCIENCES PAPER 21).

492

FADER, G.B., KING, L.H., MACLEAN, B. 1977. SURFICIAL GEOLOGY OF THE EASTERN GULF OF MAINE AND BAY OF FUNDY. GEOLOGICAL SURVEY OF CANADA PAPER 76-17. 23P. (MARINE SCIENCES PAPER 19) (BIO CONTRIBUTION NO. 661).

493

FADER, G.B.J., MILLER, R.O. 1986. A RECONNAISSANCE STUDY OF THE SURFICIAL AND SHALLOW BEDROCK GEOLOGY OF THE SOUTHEASTERN GRAND BANKS OF NEWFOUNDLAND. GEOLOGICAL SURVEY OF CANADA PAPER 86-1B: 591-604.

TERTIARY BEDROCK OCCURS AT A DEPTH OF LESS THAN 10M ACROSS THE SOUTHEASTERN GRAND BANKS. CHANNELS IN BEDROCK EXTEND TO OVER 300M DEPTH AND ARE CONFINED TO THE EASTERN EDGE OF THE BANK. SAND RIDGE (12M HIGH - 4KM WAVELENGTH) ARE THE DOMINANT BEDFORM ACROSS THE SEABED. SURFICIAL TEXTURE, LITHOLOGY DISTRIBUTIONS AND SEISMIC CHARACTERISTICS INDICATE THAT GLACIERS EXTENDED ACROSS THE AREA.

494

FADER, G.B.J., MILLER, R.O. 1986. REGIONAL GEOLOGICAL CONSTRAINTS TO RESOURCE DEVELOPMENT - GRAND BANKS OF NEWFOUNDLAND. IN: CANADIAN CONFERENCE ON MARINE GEOTECHNICAL ENGINEERING (3RD: 1986: ST JOHN'S, NFLD) = CONFERENCE CANADIENNE SUR LE GENIE GEOTECHNIQUE MARIN (3E: 1986: ST JOHN'S, T.-N.), [PREPRINTS]. ST JOHN'S: THE CONFERENCE. V.1: 3-40.

AN ASSESSMENT OF THE REGIONAL DISTRIBUTION AND GEOLOGICAL CHARACTERISTICS OF SEABED AND SUBSEABED FEATURES OF SIGNIFICANCE TO OFFSHORE ENGINEERING

ARE PRESENTED.

495

FADER, G.B.J., MILLER, R.O., GEOMARINE ASSOCIATES LTD. 1986. SIDESCAN SURVEY REPORT - ST. PIERRE BANK, THE GRAND BANKS OF NEWFOUNDLAND. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1340. 22P. & 3 MAPS.

PRESENTS THE RESULTS OF AN INTERPRETATION AND COMPILATION ON SAND AND GRAVEL ON ST. PIERRE BANK. THE AREA IS APPROXIMATELY 15 X 15 KM AND IS CENTRED ON NORTHWEST ST. PIERRE BANK. THIS CONTRACT WAS COMPLETED BY GEOMARINE ASSOCIATES LTD.

496

FADER, G.B.J., MORAN, K. 1988. A PRELIMINARY INTERPRETATION OF THE RESULTS OF BOREHOLES THROUGH A TILL TONGUE SUCCESSION ON THE GRAND BANKS OF NEWFOUNDLAND [ABSTRACT]. IN: GEOLOGICAL SOCIETY OF AMERICA, NORTHEASTERN SECTION, ANNUAL MEETING (23RD: 1988: PORTLAND, ME). ABSTRACTS WITH PROGRAMS 20(1): 17.

RESULTS OF BOREHOLE PROGRAM ON THE GRAND BANKS OF NEWFOUNDLAND ARE PRESENTED INCLUDING A COMPARISON OF SEISMIC AND PHYSICAL PROPERTIES OF GLACIAL SEDIMENTS.

497

FALCONER, R.K.H. 1976. PALEOMAGNETIC RESULTS ON EARLY TERTIARY LAVA FLOWS FROM WEST GREENLAND AND THEIR BEARING ON THE EVOLUTION HISTORY OF THE BAFFIN BAY - LABRADOR SEA REGION: DISCUSSION. CANADIAN JOURNAL OF EARTH SCIENCES 13(10): 1491-1493.

DISCUSSION OF PAPER BY ATHAVALE AND SHARMA, POINTING OUT ERRORS IN THEIR APPLICATION OF WEST GREENLAND AND BAFFIN ISLAND PALEOMAGNETIC DATA TO PALEO GEOGRAPHY OF GREENLAND AND NORTH AMERICA. THEIR METHOD DOES PROVIDE THE UNIQUE SOLUTION THEY IMPLY. THEIR SOLUTION CONFLICTS WITH MUCH OTHER DATA BUT THE PROBLEM LIES IN THE RELIABILITY OF THE BAFFIN ISLAND DATA.

498

FALCONER, R.K.H. 1977. MARINE GEOPHYSICAL AND GEOLOGICAL RESEARCH IN BAFFIN BAY AND THE LABRADOR SEA, CSS HUDSON 1976. GEOLOGICAL SURVEY OF CANADA PAPER 77-1B: 255-260.

THE PROGRAM OF RESEARCH AND PRELIMINARY RESULTS FROM AGC CRUISES ON CSS HUDSON IN BAFFIN BAY AND LABRADOR SEA IN 1976 ARE DESCRIBED.

499

FALCONER, R.K.H., FALCONER, R.F. 1982. SEISMICITY, FRACTURE ZONES, AND POLES OF ROTATION OF THE PACIFIC-ANTARCTIC AND INDIAN-ANTARCTIC PLATE BOUNDARIES. IN: ANTARCTIC GEOSCIENCE; SYMPOSIUM ON ANTARCTIC GEOLOGY AND GEOPHYSICS (1977 : MADISON, WI), ED., C. CRADDOCK. MADISON: UNIVERSITY OF WISCONSIN PRESS. P.55-64. (INTERNATIONAL UNION OF GEOLOGICAL SCIENCES, SERIES B, 4).

500

FARROW, G.E., SYVITSKI, J.P.M., TUNNICLIFFE, V. 1983. SUSPENDED PARTICULATE LOADING ON THE MACROBENTHOS IN A HIGHLY TURBID FJORD - KNIGHT INLET, BRITISH COLUMBIA. CANADIAN JOURNAL OF FISHERIES AND AQUATIC SCIENCES 40 (SUPPLEMENT 1): 273-288.

501

FENSOME, R.A. 1987. TAXONOMY AND BIOSTRATIGRAPHY OF SCHIZAEALEAN SPORES FROM THE JURASSIC-CRETACEOUS BOUNDARY BEDS OF THE AKLAVIK RANGE, DISTRICT OF MACKENZIE. PALAEOGEOGRAPHICA CANADIANA NO.4. 49P. (GSC CONTRIBUTION NO. 13886).

THE STUDY INVOLVES THE TAXONOMY AND BIOSTRATIGRAPHY OF OXFORDIAN TO HAUTERIVIAN SCHIZAEALEAN MIOSPORES FROM THE AKLAVIK RANGE, N.W.T. A NUMBER OF GENERA AND SPECIES ARE REDESCRIBED AND FOUND TO BE USEFUL IN CORRELATING MARINE STRATA FROM THE AKLAVIK RANGE WITH NONMARINE STRATA FROM SOUTHERN ENGLAND.

502

FENSOME, R.A., WILLIAMS, G.L. 1985. A SUPRAGENERIC CLASSIFICATION OF DINOFLAGELLATES [ABSTRACT]. IN: INTERNATIONAL CONFERENCE ON MODERN AND FOSSIL DINOFLAGELLATES; ABSTRACTS (3RD: 1985: ROYAL HOLLOWAY AND BEDFORD COLLEGE). EGHAM, SURREY: [THE CONFERENCE].

NEONTOLOGISTS AND PALAEOGEOLOGISTS HAVE TENDED TO PRODUCE SEPARATE SCHEMES IN CLASSIFYING DINOFLAGELLATES. WE ARE PROPOSING A PHYLOGENETIC SCHEME BASED ON MODERN AND FOSSIL DATA. IN ADDITION TO A LISTING OF TAXA OF THE PROPOSED SCHEME WE PRESENT A CLADOGRAM AND PHOTOGRAPHS ILLUSTRATING DIAGNOSTIC FEATURES OF FAMILIES OF THE GONYAULACALES.

503

FENWICK, D.B., KEEN, M.J., KEEN, C., LAMBERT, A. 1968. GEOPHYSICAL STUDIES OF THE CONTINENTAL MARGIN NORTHEAST OF NEWFOUNDLAND. CANADIAN JOURNAL OF EARTH SCIENCES 5(3/PT.1): 483-500.

504

FILLON, R.H. 1975. DEGLACIATION OF THE LABRADOR CONTINENTAL SHELF. NATURE 253(5491): 429-431. (BIO CONTRIBUTION NO. 490).

SUBMARINE LAND FORMS REVEAL THE PATTERN OF DISINTEGRATION OF WISCONSIN CONTINENTAL ICE, GROUNDED ON HAMILTON BANK. RISING SUMMER TEMPERATURES TRIGGERED DEGLACIATION BY INITIATING BASAL MELTING WHICH DECREASED THE ICE SHEETS RESISTANCE TO SPREADING. FINAL DEGLACIATION OF THE SHELF PROBABLY WAS AS LATE AS 9000 B.P.

505

FILLON, R.H. 1976. HAMILTON BANK, LABRADOR SHELF: POSTGLACIAL SEDIMENT DYNAMICS AND PALEO-OCEANOGRAPHY. MARINE GEOLOGY 20(1): 7-25. (BIO CONTRIBUTION NO. 495).

STORM WAVES AND THE LABRADOR CURRENT HAVE ERODED GLACIAL DRIFT RESULTING IN LAG PAVEMENTS AND WINNOWER SEDIMENTS ON THE BANK. A SHIFT IN THE

LABRADOR CURRENT WHICH AFFECTED COASTAL CLIMATES IS SUGGESTED BY OBSERVED FAUNAL AND SEDIMENTOLOGICAL CHANGES.

506

FILLON, R.H. 1976. THE SANGAMONIAN/WISCONSINAN TRANSITION IN THE LABRADOR SEA [ABSTRACT]. GEOLOGICAL SOCIETY OF AMERICA, ABSTRACTS WITH PROGRAMS 8(6): 864.

507

FILLON, R.H. 1977. ICE-RAFTED DETRITUS AND PALEOTEMPERATURE: LATE CENOZOIC RELATIONSHIPS IN THE ROSS SEA REGION. MARINE GEOLOGY 25(1-3): 73-93.

ICE RAFTED DETRITUS (IRD) AND PALEOTEMPERATURES IN THE ROSS SEA REGION ARE RELATED IN TWO MODELS TO PALEOCIRCULATION. THE MODELS DEPICT CHANGING OCEANOGRAPHIC GRADIENTS OVER THE LAST 3.0 M.Y. LABRADOR SEA ICEBERGS APPEAR TO FOLLOW THE MODEL.

508

FILLON, R.H. 1978. GLACIER TERMINI IN EASTERN HUDSON STRAIT [ABSTRACT]. GEOLOGICAL SOCIETY OF AMERICA, ABSTRACTS WITH PROGRAMS 10(7): 401.

509

FILLON, R.H. 1979. ROSS SEA DIATOMS: MODERN ASSEMBLAGE DISTRIBUTIONS AND THEIR RELATIONSHIP TO ECOLOGIC, OCEANOGRAPHIC, AND SEDIMENTARY CONDITIONS - A DISCUSSION. MARINE MICROPALAEONTOLOGY 4(4): 399-400.

510

FILLON, R.H. 1979. 'LATE QUATERNARY EXTENT OF THE WEST ANTARCTIC ICE SHEET: NEW EVIDENCE FROM ROSS SEA CORES' -COMMENT. GEOLOGY 7(11): 518-519.

511

FILLON, R.H. 1980. A MARINE VIEWPOINT OF LATE WISCONSINAN ICE SHEET GROWTH AND DISINTEGRATION IN EASTERN NORTH AMERICA [ABSTRACT]. IN: AMERICAN QUATERNARY ASSOCIATION BIENNIAL MEETING (6TH: 1980: ORONO, ME), ABSTRACTS AND PROGRAM. AMERICAN QUATERNARY ASSOCIATION, NATIONAL CONFERENCE, ABSTRACTS 6: 76-77.

512

FILLON, R.H. 1980. A THREE-PHASE (VAPOR-LIQUID-SOLID) MODEL OF ICE GROWTH AND THE INITIATION OF NORTHERN HEMISPHERE WISCONSINAN GLACIATION [ABSTRACT]. IN: AMERICAN QUATERNARY ASSOCIATION BIENNIAL MEETING (6TH: 1980: ORONO, ME), ABSTRACTS AND PROGRAM. AMERICAN QUATERNARY ASSOCIATION, NATIONAL CONFERENCE, ABSTRACTS 6: 78.

513

FILLON, R.H., DUPLESSY, J.C. 1980. LABRADOR SEA BIO-, TEPHRO-, OXYGEN ISOTOPIC STRATIGRAPHY AND LATE QUATERNARY PALEOCEANOGRAPHIC TRENDS. CANADIAN JOURNAL OF EARTH SCIENCES 17(7): 831-854. (BIO CONTRIBUTION NO. 915).

514

FILLON, R.H., FERGUSON, C., THOMAS, F. 1978. CENOZOIC PROVENANCE AND SEDIMENT CYCLING: HAMILTON BANK, LABRADOR SHELF. JOURNAL OF SEDIMENTARY PETROLOGY

48(1): 253-268. (BIO CONTRIBUTION NO. 648).

515

FILLON, R.H., FOLINSBEE, R.A., PALMER, R. 1978. DEEP SHELF AND SLOPE TERRACES OFF NORTHERN LABRADOR. NATURE 273(5665): 743-746. (BIO CONTRIBUTION NO. 704).

516

FILLON, R.H., HARDY, I.A., WAGNER, F.J.E., ANDREWS, J.T., JOSEPHANS, H.W. 1981. LABRADOR SHELF: SHELL AND TOTAL ORGANIC MATTER-14C DATE DISCREPANCIES. GEOLOGICAL SURVEY OF CANADA PAPER 81-1B: 105-111.

IN THIS REPORT WE CALL ATTENTION TO THE LARGE DISCREPANCIES BETWEEN SHELL AND TOTAL ORGANIC MATTER 14 C DATING OF PROGLACIAL - MARINE SEDIMENTS ON THE LABRADOR SHELF. THE SHELL DATES GENERALLY APPEAR YOUNGER BY UP TO 16,000 YEARS. WE SUGGEST THAT TOTAL ORGANIC MATTER DATES ARE LOCALLY UNRELIABLE DUE TO CONTAMINATION BY REWORKED TERRESTRIAL CARBON.

517

FILLON, R.H., HARMES, R.A. 1982. NORTHERN LABRADOR SHELF GLACIAL CHRONOLOGY AND DEPOSITIONAL ENVIRONMENTS. CANADIAN JOURNAL OF EARTH SCIENCES 19(1): 162-192.

ACOUSTIC/MORPHOLOGIC VARIATION ON THE NORTHERN LABRADOR SHELF, CALIBRATED TO CORE SAMPLES AND DATED USING 14 C ON SHELLS HAS BEEN USED TO DETERMINE THAT ICE WAS GROUNDED TO THE SHELF EDGE IN THE LATE WISCONSINAN. DEGLACIATION OCCURRED FIRST IN THE MARGINAL CHANNEL AND IN TRANSVERSE TROUGHS CA 10,000-8,000 B.P.

518

FISHER, M.J., BUJAK, J. 1975. UPPER TRIASSIC PALYNOFLORAS FROM ARCTIC CANADA. GEOSCIENCE AND MAN 11: 87-94.

DETAILED SPORE AND POLLEN BIOSTRATIGRAPHY AND PRELIMINARY DESCRIPTION OF DINOFLAGELLATE TAXA IN THE UPPER TRIASSIC OF FIVE SVERDRUP BASIN WELLS.

519

FITZGERALD, R.A. 1984. GEOCHEMICAL DATA FOR MARINE SEDIMENTS FROM EASTERN BAFFIN ISLAND INCLUDING CAMBRIDGE FIORD, ITIRBILUNG FIORD AND MCBETH FIORD (LEHIGH CORES). IN: SEDIMENTOLOGY OF ARCTIC FJORDS EXPERIMENT: HU 83-028 DATA REPORT, VOLUME 2, COMP., J.P.M. SVITSKI. CANADIAN DATA REPORT OF HYDROGRAPHY AND OCEAN SCIENCES 28: 10.1-10.128. ALSO PUBLISHED IN GEOLOGICAL SURVEY OF CANADA OPEN FILE 1122.

520

FITZGERALD, R.A., GORDON, D.C., JR., CRANSTON, R.E. 1974. TOTAL MERCURY IN SEA WATER IN THE NORTHWEST ATLANTIC OCEAN. DEEP-SEA RESEARCH 21(2): 139-144. (BIO CONTRIBUTION NO. 540).

TOTAL MERCURY CONCENTRATION FOR NORTHWEST ATLANTIC WATERS, USING A SHIPBOARD METHOD OF ANALYSES, YIELDED AN AVERAGE LEVEL OF 0.15, THE

HIGHEST YET REPORTED FOR OPEN OCEAN WATER.

521

FITZGERALD, R.A., LEBLANC, W. 1983. GEOCHEMICAL PROPERTIES OF BAFFIN ISLAND MARINE SEDIMENTS (LEHEIGH CORES). IN: SEDIMENTOLOGY OF ARCTIC FJORDS EXPERIMENT: HU 82-031 DATA REPORT, VOLUME 1, ED., J.P.M. SYVITSKI AND C.P. BLAKENEY. CANADIAN DATA REPORT OF HYDROGRAPHY AND OCEAN SCIENCES 12. V.1: 10.1-10.21. ALSO PUBLISHED IN GEOLOGICAL SURVEY OF CANADA OPEN FILE 960.

522

FOLINSBEE, R. 1979. GEOMAGNETISM, 1. GEOMAGNETIC SURVEYS, CHARTS, AND COMPILATIONS, (A) ATLANTIC GEOSCIENCE CENTRE. CANADIAN GEOPHYSICAL BULLETIN 32: 59-60.

THE ACTIVITIES DURING 1978 AT AGC THAT PERTAIN TO THE COLLECTION AND INTERPRETATION OF GRAVITY DATA ARE DESCRIBED.

523

FOLINSBEE, R.A., HAWORTH, R.T. 1976. MARINE GRAVITY AND MAGNETIC DIGITAL DATA, NORTHEAST OF NEWFOUNDLAND. GEOLOGICAL SURVEY OF CANADA OPEN FILE 391: MAGNETIC TAPE.

RELEASE OF DIGITAL DATA FROM CRUISES 75-018, 75-019 COMPILED BY DIGITECH FOR NATURAL RESOURCE MAPS.

524

FOLINSBEE, R.A., HAWORTH, R.T., MACINTYRE, J.B. 1978. MARINE GRAVITY AND MAGNETIC MAPS, NORTHEAST OF NEWFOUNDLAND. GEOLOGICAL SURVEY OF CANADA OPEN FILE 525. 15P., 96 CHARTS.

525

FOLINSBEE, R.A., KEEN, C.E. 1978. THE CONTINENTAL MARGIN NORTHEAST OF NEWFOUNDLAND: CRUSTAL STRUCTURE, SUBSIDENCE AND POSSIBLE MODE OF EVOLUTION [ABSTRACT]. IN: CRUSTAL PROPERTIES ACROSS PASSIVE MARGINS; INTER-UNION COMMISSION ON GEODYNAMICS, COMMISSION ON MARINE GEOLOGY, PROGRAM AND ABSTRACTS. HALIFAX, NS: THE SYMPOSIUM. P.11.

526

FORBES, D.L. 1982. SOURCES OF SAND CONTRIBUTING TO HARBOUR SHOALING AT PTE SAPIN, NEW BRUNSWICK. IN: PROCEEDINGS; WORKSHOP ON ATLANTIC COASTAL EROSION AND SEDIMENTATION = COMPTES RENDUS; L'ATELIER SUR L'EROSION ET L'ENSABLEMENT DES RIVAGES DE L'ATLANTIQUE (1982: HALIFAX, N.S.). OTTAWA: NATIONAL RESEARCH COUNCIL OF CANADA, ASSOCIATE COMMITTEE FOR RESEARCH ON SHORELINE EROSION AND SEDIMENTATION. P.51-58.

527

FORBES, D.L. 1983. MORPHOLOGY AND SEDIMENTOLOGY OF A SINUOUS GRAVEL-BED CHANNEL SYSTEM: LOWER BABAGE RIVER, YUKON COASTAL PLAIN, CANADA. IN: MODERN AND ANCIENT FLUVIAL SYSTEMS, ED., J.D. COLLINSON AND J. LEWIN. OXFORD: BLACKWELL. P.195-206.

528

FORBES, D.L. 1984. COASTAL GEOMORPHOLOGY AND SEDIMENTS OF NEWFOUNDLAND. GEOLOGICAL SURVEY OF CANADA PAPER 84-1B: 11-24.

MAJOR COASTAL FEATURES IN NEWFOUNDLAND INCLUDE OUTCROP, CLIFFS AND PLATFORMS; FJORDS, ESTUARIES, LAGOONS AND TIDAL SYSTEMS; BARRIERS, BEACHES, DUNES; BOULDER CLUSTERS AND BOULDER BARRICADES. MAJOR CONTROLS INCLUDE OCEANOGRAPHIC REGIME, GEOLOGICAL CONTEXT, PARAGLACIAL SEDIMENT SUPPLY, CHANGING RELATIVE SEA LEVEL, SUBSTRATE CONTROL, AND COMPARTMENTALIZATION. STORM SURGES, STORM WAVES AND TSUNAMIS CONSTITUTE SIGNIFICANT HAZARDS TO DEVELOPMENT IN THE COASTAL ZONE.

529

FORBES, D.L. 1985. PLACENTIA ROAD AND ST. MARY'S BAY: FIELD-TRIP GUIDE TO COASTAL SITES IN THE SOUTHERN AVALON PENINSULA, NEWFOUNDLAND. IN: PROCEEDINGS, CANADIAN COASTAL CONFERENCE (1985: ST JOHN', NFLD.) = COMPTES RENDUS, CONFERENCE CANADIENNE SUR LE LITTORAL (1985: ST JOHN'S, T.-N.), ED., D.L. FORBES. OTTAWA: NATIONAL RESEARCH COUNCIL CANADA, ASSOCIATE COMMITTEE FOR RESEARCH ON SHORELINE EROSION AND SEDIMENTATION. P.587-605.

DESCRIBES POINTS OF SCIENTIFIC ENGINEERING AND CULTURAL INTEREST AT 12 SITES. INCLUDES ORIGINAL DATA ON GRAVEL ON BEACH SEDIMENTATION AND MORPHOLOGY INCLUDING EXCEPTIONAL LARGE UPPER-BEACHFACE CUSP AND TERRACE FEATURES AT HOLYROOD BAY AND PROGRADED GRAVEL BEACH DEPOSITS AT PLACENTIA.

530

FORBES, D.L. (ED.) 1985. PROCEEDINGS, CANADIAN COASTAL CONFERENCE 1985 (1985: ST JOHN'S, NFLD.) = COMPTES RENDUS, CONFERENCE CANADIENNE SUR LE LITTORAL 1985 (1985: ST JOHN'S, T.-N.). OTTAWA: NATIONAL RESEARCH COUNCIL CANADA, ASSOCIATE COMMITTEE FOR RESEARCH ON SHORELINE EROSION AND SEDIMENTATION. 605P.

531

FORBES, D. 1985. "COASTAL SEDIMENTATION," ED., D.J.P. SWIFT AND H.D. PALMER [BOOK REVIEW]. JOURNAL OF COASTAL RESEARCH 1(4): 416-417.

532

FORBES, D.L. 1987. SHOREFACE SEDIMENT DISTRIBUTION AND SAND SUPPLY AT C2S2 SITES IN THE SOUTHERN GULF OF ST LAWRENCE., ED., KRAUS, N.C. COASTAL SEDIMENTS '87, PROCEEDINGS, SPECIALTY CONFERENCE ON ADVANCES IN UNDERSTANDING OF COASTAL SEDIMENT PROCESSES 1: 694-709. (GEOLOGICAL SURVEY OF CANADA CONTRIBUTION 44686).

SUMMARIZES SEDIMENT DISTRIBUTION AND POTENTIAL FOR SUPPLY LIMITATION OF LONGSHORE SEDIMENT TRANSPORT AT C2S2 SITES ON THE NEW BRUNSWICK AND PEI COASTS.

533

FORBES, D.L., BLASCO, S.M., HILL, P.R. 1987. HOLOCENE SEDIMENTATION OF THE LOWER BABBAGE RIVERS AND HERSHEL BASIN, NORTHERN YUKON [ABSTRACT]. IN: INTERNATIONAL UNION FOR QUATERNARY RESEARCH INTERNATIONAL CONGRESS (12TH: 1987: OTTAWA) PROGRAMME AND ABSTRACTS. OTTAWA: NATIONAL RESEARCH COUNCIL.

OF CANADA. P.167.

PALAEOHYDROLOGICAL CONDITIONS IN THE BABBAGE RIVER BASIN ARE EXAMINED USING DATA ON RELICT CHANNEL MORPHOLOGY, SHORT AND LONG-TERM RATES OF SEDIMENTATION ON THE BABBAGE DELTA, AND A 5-9 KA SEDIMENT BUDGET FOR HERSCHEL BASIN.

534

FORBES, D.L., BOYD, R. 1987. GRAVEL RIPPLES ON THE INNER SCOTIAN SHELF. JOURNAL OF SEDIMENTARY PETROLOGY 57(1): 46-54.

DESCRIBES PISCES IV OBSERVATIONS OF GRAVEL RIPPLES IN 30-M DEPTH OFF THE EASTERN SHORE OF NOVA SCOTIA. SYMMETRICAL BEDFORMS WITH WAVELENGTHS OF 1.3 TO 3.0 M ARE DEVELOPED IN POLYMODAL SANDY GRAVELS (MEAN SIZE 4.9 TO 15 MM). THE BEDFORMS OCCUR IN NARROW RIBBONS AND SCALED TO WAVE ORBITAL DIAMETER. RESULTS EXTEND THE RANGE OF EMPIRICAL DATA FOR RIPPLE WAVELENGTHS BY A FACTOR OF TWO-THREE AND FOR RIPPLE GRAIN-SIZE BY A FACTOR OF FIVE.

535

FORBES, D.L., FROBEL, D. 1985. COASTAL EROSION AND SEDIMENTATION IN THE CANADIAN BEAUFORT SEA. GEOLOGICAL SURVEY OF CANADA PAPER 85-1B: 69-80.

COASTAL SURVEYS IN 1984 INCLUDED EXTENSIVE OBLIQUE AERIAL VIDEO COVERAGE, 22 BEACH PROFILES AT 8 SITES, SEDIMENT SAMPLING AND 98 MEASUREMENTS OF CLIFF RECESSION AT 11 SITES. BEACHES RANGE FROM HIGH GRAVELS AND BARRIERS UP TO 4.2 M HIGH TO BROAD LOW SANDY SPITS AND BARRIER ISLANDS AS LOW AS 0.4 M. STORM SURGE DRIFTWOOD OCCURS UP TO 3.7 M. MEASURED FIVE-YEAR MEAN RATES OF CLIFF RECESSION RANGE AS HIGH AS 13.2 M/A ON PELLY ISLAND NORTH OF MACKENZIE DELTA.

536

FORBES, D.L., FROBEL, D. 1986. CANADIAN COASTAL SEDIMENT STUDY, STANHOPE LANE, PRINCE EDWARD ISLAND: SHOREFACE BOTTOM TYPES AND BEDFORMS. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1366: 1 VIDEOTAPE & TRANSCR.

THIS 17 MINUTE VIDEO PROGRAM DESCRIBES SHOREFACE SURVEYS UNDERTAKEN AT THE C2S2 SITE IN PEI. A WIDE RANGE OF RIPPLE FORMS WAS OBSERVED ACROSS THE SHOREFACE OUT TO DEPTHS OF 13 M. THREE NEARSHORE BARS FORM A SIGNIFICANT SEDIMENT RESERVOIR THAT MAY HELP TO ALLEVIATE SUPPLY-LIMITATION OF LONGSHORE TRANSPORT, DESPITE THE PATCHY DISTRIBUTION OF SAND IN THE AREA.

537

FORBES, D.L., FROBEL, D. 1986. COASTAL VIDEO SURVEY: CANADIAN BEAUFORT SEA COAST. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1256: 10 VIDEOCASSETTES.

THIS OPEN-FILE INCLUDES 9 HOURS OF TAPE, WITH LOCATION MAPS, FIELD COMMENTARY, AND LOW-LEVEL OBLIQUE AIRBORNE VIDEO IMAGERY OF THE CANADIAN BEAUFORT SEA COAST, AS FOLLOWS: PART OF EASTERN LIVERPOOL BAY, TUKTOYAKTUK PENINSULA, MACKENZIE DELTA FRONT (EXCLUDING PART FACING MACKENZIE BAY), ISLANDS NORTH OF THE DELTA, AND YUKON COAST.

538

FORBES, D.L., FROBEL, D. 1986. COASTAL VIDEO SURVEY: WEST NEWFOUNDLAND (SHALLOW BAY TO TROUT RIVER, INCLUDING GROS MORNE NATIONAL PARK). GEOLOGICAL SURVEY OF CANADA OPEN FILE 1230: 2 VIDEOCASSETTES.

THIS 114-MINUTE VIDEO PROGRAM INCLUDES LOCATION MAPS, FIELD COMMENTARY, AND LOW-LEVEL OBLIQUE AIRBORNE VIDEO IMAGERY OF THE WEST COAST OF NEWFOUNDLAND FROM SHALLOW BAY (COW HEAD) SOUTH VIA BONNE BAY TO TROUT RIVER, INCLUDING THE COAST OF GROS MORNE NATIONAL PARK.

539

FORBES, D.L., FROBEL, D. 1986. SHOREFACE BOTTOM TYPES AND BEDFORMS OFF STANHOPE LANE, P.E.I. [ABSTRACT]. IN: CANADIAN COASTAL SEDIMENT STUDY OPEN WORKSHOP (2ND: 1985: HALIFAX, N.S.). ASSOCIATE COMMITTEE FOR RESEARCH ON SHORELINE EROSION AND SEDIMENTATION, ACROSES BULLETIN 2(1): 4.

AS PART OF THE CANADIAN COASTAL SEDIMENT STUDY, A BATHYMETRIC, SIDESCAN AND BRUTIV PHOTO/VIDEO SURVEY OF THE SHOREFACE WAS COMPLETED, REVEALING TWO MAJOR BOTTOM TYPES (SAND AND GRAVEL) AND A SMALL EXPOSURE OF SANDSTONE. SHOREFACE SAND IS MOBILE TO DEPTHS OF AT LEAST 13 M AND SHOWS A WIDE RANGE OF RIPPLE BEDFORM TYPES. IN ADDITION, RALPH DATA SHOWED RAPID CHANGES IN RIPPLE WAVELENGTH, CREST LENGTH, AND PLANFORM WITH CHANGING WAVE AND TIDE CONDITIONS AND 4M DEPTH.

540

FORBES, D.L., FROBEL, D., HEFFLER, D.E., DICKIE, K., SHIELS, C. 1986. SURFICIAL GEOLOGY, SEDIMENT MOBILITY, AND TRANSPORT PROCESSES IN THE COASTAL ZONE AT TWO SITES IN THE SOUTHERN GULF OF ST. LAWRENCE: PTE SAPIN (N.B.) AND STANHOPE LANE (P.E.I.). OTTAWA: NATIONAL RESEARCH COUNCIL CANADA, ASSOCIATE COMMITTEE FOR RESEARCH ON SHORELINE EROSION AND SEDIMENTATION. 27P. (CANADIAN COASTAL SEDIMENT STUDY C2S2 = ETUDE CANADIENNE DES SEDIMENTS LITTORAUX ECSL REPORT C2S2-20).

SUMMARIZES ACTIVITIES AND PRELIMINARY RESULTS OF AGC CONTRIBUTIONS TO CANADIAN COASTAL SEDIMENT STUDY, WITH EMPHASIS ON SHOREFACE SEDIMENT DISTRIBUTION AND MOBILITY.

541

FORBES, D., HEFFLER, D.E., BOYD, R. 1984. RALPH OBSERVATIONS OF SHOREFACE SEDIMENTATION PROCESSES AT MARTINIQUE BEACH [ABSTRACT]. IN: ATLANTIC GEOSCIENCE SOCIETY COLLOQUIUM ON CURRENT RESEARCH IN THE ATLANTIC PROVINCES (1984: AMHERST, N.S.), ABSTRACTS. [S.L.]: THE COLLOQUIUM. P.100. (MARITIME SEDIMENTS AND ATLANTIC GEOLOGY 20(2)).

IN ORDER TO CHARACTERISE THE SUMMER BEACH ACCRETION PROCESS, RALPH WAS DEPLOYED IN 11M DEPTH ON THE SHOREFACE SEAWARD OF MARTINIQUE BEACH. THE RESULTING DATA INDICATED FOUR DISTINCTIVE RIPPLE CONFIGURATIONS WITH WAVELENGTHS IN THE 6-21CM RANGE. RIPPLE MIGRATION (PRIMARILY SHOREWARD) WAS RESTRICTED TO MODERATE-ENERGY SUMMER STORM EVENTS. OUTER-SHOREFACE SEDIMENT TRANSPORT CONTRIBUTED TO BEACH ACCRETION.

542

FORBES, D.L., LEWIS, C.P. 1983. TRANSGRESSIVE COASTAL SEDIMENTATION, YUKON BEAUFORT SEA. GEOLOGICAL ASSOCIATION OF CANADA/MINERALOGICAL ASSOCIATION OF CANADA/CANADIAN GEOPHYSICAL UNION PROGRAM WITH ABSTRACTS 8: A23.

543

FORBES, D.L., LEWIS, C.P. 1984. COASTAL LANDFORMS, SEDIMENTS AND PROCESSES = RELIEFS, SEDIMENTS ET PROCESSUS COTIERS. IN: MARINE SCIENCE ATLAS OF THE BEAUFORT SEA; SEDIMENTS = ATLAS DES SCIENCES MARINES DE LA MER DE BEAUFORT; SEDIMENTS, ED./REDACTEUR, B.R. PELLETIER. GEOLOGICAL SURVEY OF CANADA MISCELLANEOUS REPORT = COMMISSION GEOLOGIQUE DU CANADA RAPPORT DIVERS 38: PLATE 4.

544

FORBES, D.L., LEWIS, C.P. 1984. REPRESENTATIVE COASTAL FEATURES, MACKENZIE COAST AND TUKTOYAKTUK PENINSULA = RELIEFS COTIERS REPRESENTATIFS, COTE DU DELTA DU MACKENZIE ET PENINSULE DE TUKTOYAKTUK. IN: MARINE SCIENCE ATLAS OF THE BEAUFORT SEA; SEDIMENTS = ATLAS DES SCIENCES MARINES DE LA MER DE BEAUFORT; SEDIMENTS, ED./REDACTEUR, B.R. PELLETIER. GEOLOGICAL SURVEY OF CANADA MISCELLANEOUS REPORT = COMMISSION GEOLOGIQUE DU CANADA RAPPORT DIVERS 38: PLATE 6.

545

FORBES, D.L., LEWIS, C.P. 1984. REPRESENTATIVE COASTAL FEATURES, YUKON COAST = RELIEFS COTIERS REPRESENTATIFS, COTE DU YUKON. IN: MARINE SCIENCE ATLAS OF THE BEAUFORT SEA; SEDIMENTS = ATLAS DES SCIENCES MARINES DE LA MER DE BEAUFORT; SEDIMENTS, ED./REDACTEUR, B.R. PELLETIER. GEOLOGICAL SURVEY OF CANADA MISCELLANEOUS REPORT = COMMISSION GEOLOGIQUE DU CANADA RAPPORT DIVERS 38: PLATE 5.

546

FORBES, D.L., TAYLOR, R.B. 1987. COARSE-GRAINED BEACH SEDIMENTATION UNDER PARAGLACIAL CONDITIONS, CANADIAN ATLANTIC COAST. IN: GLACIATED COASTS, FITZGERALD, D.M. (ED), ROSEN, P.S. (ED). TORONTO: ACADEMIC PRESS, INC. P.51-86.

MIXED SAND-GRAVEL AND GRAVEL BEACHES ARE PROMINENT FEATURES OF THE COAST IN EASTERN CANADA. THESE DEPOSITS REFLECT THE INFLUENCE BOTH OF MODERN ENVIRONMENTAL CONDITIONS AND OF PARAGLACIAL FACTORS, INCLUDING (1) THE NATURE AND DISTRIBUTION OF GLACIGENIC SEDIMENTS THAT CONSTITUTE THE MAJOR SEDIMENT SOURCES IN THE REGION; AND (2) POSTGLACIAL CHANGES IN RELATIVE SEA LEVEL AND TIDAL REGIME. WE DESCRIBE A NUMBER OF REPRESENTATIVE BEACH DEPOSITS TO ILLUSTRATE THESE CONCEPTS.

547

FORBES, D.L., TAYLOR, R.B., FROBEL, D. 1982. BARRIER OVERWASH AND WASHOVER SEDIMENTATION, ASPY BAY, CAPE BRETON ISLAND [ABSTRACT]. MARITIME SEDIMENTS AND ATLANTIC GEOLOGY 18(1): 43.

548

FORBES, D.L., TAYLOR, R.B., FROBEL, D. 1987. COASTAL STUDIES IN THE WESTERN

ARCTIC ARCHIPELAGO (MELVILLE, MACKENZIE KING, LOUGHEED AND NEARBY ISLANDS); CRUISE REPORT 86302. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1409: 31P.

COASTAL STUDIES IN THE NORTHWESTERN ARCTIC ARCHIPELAGO IN 1986 INCLUDED SURVEYS AND SAMPLING OF RAISED DELTA TERRACES ON MELVILLE ISLAND; SHORE SURVEYS ON LOUGHEED ISLAND; AND AERIAL OBLIQUE VIDEO COVERAGE OF LOUGHEED AND ADJACENT SMALL ISLANDS AND PART OF MACKENZIE ISLAND. THIS REPORT INCLUDED MAPS, A DAILY LOG, A SUMMARY OF SCIENTIFIC HIGHLIGHTS, SURVEY DATA, AND SAMPLE AND TAPE LISTS.

549

FORDJOR, C.K., BELL, J.S., GOUGH, D.I. 1983. BREAKOUTS IN ALBERTA AND STRESS IN THE NORTH AMERICAN PLATE. CANADIAN JOURNAL OF EARTH SCIENCES 20(9): 1445-1455.

550

FORSYTH, D.A., ASUDEH, I., GREEN, A., JACKSON, H.R. 1985. CRUSTAL STRUCTURE OF THE ALPHA CORDILLERA [ABSTRACT]. EOS; TRANSACTIONS, AMERICAN GEOPHYSICAL UNION 66(46): 956.

551

FOWLER, C.M.R., KEEN, C.E. 1979. OCEANIC CRUSTAL STRUCTURE - MID-ATLANTIC RIDGE AT 45 DEGREES N. GEOPHYSICAL JOURNAL 56(1): 219-226.

THE WAVEFORM OF SEISMOGRAMS OBTAINED AT 45N ON THE MID-ATLANTIC RIDGE ARE COMPARED TO SYNTHETIC SEISMOGRAMS FOR VARIOUS MODELS OF THE CRUST AND UPPER MANTLE STRUCTURE. THE BEST FITTING MODEL IS ONE WITH A HIGH VELOCITY LOWER CRUSTAL LAYER (3B) AND A VELOCITY GRADIENT IN THE UPPER 2 KM OF THE MANTLE. THERE IS NO EVIDENCE FOR A LOW VELOCITY ZONE NEAR THE CRUST-MANTLE BOUNDARY.

552

FOWLER, G.A., SCHAFER, C.T., MANCHESTER, K.S. 1977. PORTAVIBE: A TOOL FOR CORING FROM AN ICE PLATFORM. GEOLOGICAL SURVEY OF CANADA PAPER 77-1C: 9-11.

553

FRICKER, A. 1984. THE OTHER SIDE OF COMPUTING [ABSTRACT]. IN: ATLANTIC GEOSCIENCE SOCIETY COLLOQUIUM ON CURRENT RESEARCH IN THE ATLANTIC PROVINCES (1984: AMHERST, N.S.), ABSTRACTS. [S.L.]: THE COLLOQUIUM. P.98. (MARITIME SEDIMENTS AND ATLANTIC GEOLOGY 20(2)).

THE BIOSTRATIGRAPHIC DATABASES AT AGC REPRESENT A NEW MAJOR SCIENTIFIC USE OF COMPUTERS. THE OPERATIONAL CAPABILITY AND DESIGN IS ANALYSED WITH REFERENCE TO FUTURE DEVELOPMENT.

554

FRICKER, A., AUST, G. 1987. DISTRIBUTION OF LITHOLOGICAL COMPONENTS ON THE EASTERN SCOTIAN SHELF. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1684. 90 P.

MAJOR LITHOLOGIC COMPONENTS, SELECTED MINOR CONSTITUENTS AND STATISTICS ON

SAND BEDS HAVE BEEN MAPPED USING APPROXIMATELY NINETY WELLS. REGIONAL VERTICAL DISTRIBUTIONS OF SOME CONSTITUENTS ARE SHOWN AS HISTOGRAMS. SEVEN REGIONAL FORMATION LEVELS ARE MAPPED. THE OLDER LEVELS ARE COMPOSITES OF MORE THAN ONE FORMATION.

555

FRICKER, A., MACMILLAN, W.C., WATT, J.A., WILLIAMS, G.L. 1986. THE STRATIGRAPHIC NOMENCLATURE OF ATLANTIC CANADA [ABSTRACT]. IN: CURRENT RESEARCH IN THE ATLANTIC PROVINCES; ABSTRACTS, ATLANTIC GEOSCIENCE SOCIETY 1986 COLLOQUIUM. MARITIME SEDIMENTS AND ATLANTIC GEOLOGY 22(2): 183.

AN AUTHORITY REFERENCE FOR STRATIGRAPHIC NOMENCLATURE IS ESSENTIAL FOR FORMAL LITHOSTRATIGRAPHY. THIS IS ONE OBJECTIVE OF VOLUME 6 OF THE LEXICON OF CANADIAN STRATIGRAPHY WHICH IS NOW IN PRESS. A DATABASE CONTAINING THE NAMES OF ALL STRATIGRAPHIC UNITS IN THE LEXICON HAS BEEN PREPARED, AND WILL BE COPIED FOR ANY INTERESTED PERSONS.

556

FRICKER, A., MACMILLAN, W.C., WILLIAMS, G.L., FYFFE, L.R. 1986. THE STRATIGRAPHIC NOMENCLATURE OF ATLANTIC CANADA [ABSTRACT]. GEOLOGICAL ASSOCIATION OF CANADA/MINERALOGICAL ASSOCIATION OF CANADA/CANADIAN GEOPHYSICAL UNION 11: 70.

THE LEXFILE IS PROPOSED AS A MEANS TO IMPROVE THE ORDER AND STABILITY OF STRATIGRAPHIC DEFINITIONS. THE CONTENT OF THE FILE, THE PROBLEMS OF TERMINOLOGY AND THE MEANS PROPOSED FOR INVOLVING REGIONAL MAPPERS ARE DESCRIBED. USE FOR ENQUIRIES AND STRATIGRAPHIC CHARTING IS DEMONSTRATED.

557

FRICKER, A., SAMSON, A. 1985. A SIMPLE COMPUTER-BASED SOLUTION TO PROJECT BIBLIOGRAPHIES [ABSTRACT]. IN: INFORMATIQUE ET SCIENCES DE L'INFORMATION: A LA CROISEE DES CHEMINS; COMPTES RENDUS = COMPUTER SCIENCE AND INFORMATION SCIENCE: AT THE CROSSROADS; PROCEEDINGS OF THE ANNUAL CONFERENCE (13TH: 1985: MONTREAL). MONTREAL: ASSOCIATION CANADIENNE DES SCIENCES DE L'INFORMATION = CANADIAN ASSOCIATION FOR INFORMATION SCIENCE. P.97-106.

A SYSTEM WAS CONSTRUCTED FOR THE SPECIFIC REQUIREMENTS OF A SHORT-TERM PROJECT, USING A GENERALISED DATABASE MANAGEMENT PACKAGE AND MINOR PROGRAMMING. THIS APPROACH, RATHER THAN USING COMMERCIAL LIBRARY SOFTWARE, WAS EFFECTIVE IN MEETING ALL REQUIREMENTS AND DEADLINES.

558

FRICKER, A., SAMSON, A. 1986. BIBLIOGRAPHY OF PUBLICATIONS BY STAFF OF THE ATLANTIC GEOSCIENCE CENTRE TO DECEMBER 1984. CANADIAN DATA REPORT OF HYDROGRAPHY AND OCEAN SCIENCES 48. 326P.

THE BIBLIOGRAPHY IS A REPORT USING THE PUBLICATIONS DATABASE OF A.G.C. PUBLICATIONS WITH PERMISSION-TO-PUBLISH ARE INCLUDED AND ANY OTHERS BY A.G.C. EMPLOYEES ARE INCLUDED IF THE AUTHOR HAD REPORTED THEM.

559

FRTZ, P., ANDERSON, T.W., LEWIS, C.F.M. 1975. LATE-QUATERNARY CLIMATIC TRENDS AND HISTORY OF LAKE ERIE FROM STABLE ISOTOPE STUDIES. SCIENCE 190(4211): 267-269.

560

FROBEL, D., TAYLOR, R.B., FORBES, D.L. 1987. VIDEO APPLICATIONS IN COASTAL RESEARCH. IN: PROCEEDINGS; CANADIAN COASTAL CONFERENCE (1987). THE CONFERENCE. P.429-436.

AT AGC, VIDEO HAS BEEN USED TO OBTAIN AERIAL, OBLIQUE IMAGERY OF COASTS IN ARCTIC AND ATLANTIC CANADA AND TO MONITOR BEACH PROCESSES AND AS A RECORDING TOOL ON UNDERWATER VEHICLES. THE ADVANTAGES OF VIDEO INCLUDE CONTINUOUS, REAL-TIME COVERAGE, IMMEDIATE FEEDBACK AND SIMULTANEOUS AUDIO RECORD.

561

GARDNER, J.V., DEAN, W.E., JANSKA, L. 1978. SEDIMENTS RECOVERED FROM THE NORTHWEST AFRICAN CONTINENTAL MARGIN, LEG 41, DEEP SEA DRILLING PROJECT. IN: INITIAL REPORTS OF THE DEEP SEA DRILLING PROJECT, V. LANCELOT, E. SEIBOLD, ET AL. WASHINGTON: U.S. GOVERNMENT PRINTING OFFICE. V.41: 1121-1134. (BIO CONTRIBUTION NO. 818).

562

GASKILL, H., NICKS, L., ROSS, D. 1985. A NON-DETERMINISTIC MODEL OF POPULATIONS OF ICEBERG SCOUR DEPTHS. COLD REGIONS SCIENCE AND TECHNOLOGY 11(2): 107-122.

563

GEOMARINE ASSOC. LTD. 1977. SUBSEA CABLE ROUTE STUDIES, GRAND MANAN CHANNEL AND HEAD HARBOUR PASSAGE, NEW BRUNSWICK, CANADA. GEOLOGICAL SURVEY OF CANADA OPEN FILE 505. 125P.

A REPORT OF A SURVEY COMPLETED FOR THE NEW BRUNSWICK ELECTRIC POWER COMMISSION OF SUBMARINE ROUTES FOR A POWER CABLE TO CONNECT GRAND MANAN ISLAND AND THE NEW BRUNSWICK MAINLAND. MAPS INCLUDED ARE SURFICIAL GEOLOGY, SURFICIAL SEDIMENT THICKNESS, BATHYMETRY, SURVEY TRACK PLOTS AND DEPTH PROFILES OF THE AREA.

564

GEOMARINE ASSOC. LTD. 1978. SURFICIAL GEOLOGY SURVEY, SANDY COVE, NOVA SCOTIA. GEOLOGICAL SURVEY OF CANADA OPEN FILE 500. 19P.

THIS OPEN FILE CONTAINS A REPORT, ENCLOSURES CONSISTING OF TRACK CHARTS, POSTED SOUNDINGS, CONTOURED BATHYMETRY AND SURFICIAL GEOLOGY MAPS AND PROFILER AND SIDE-SCAN RECORDS OF THE SURVEY IN AND AROUND SANDY COVE, A SMALL COVE LYING BETWEEN SAMBERO AND KETCH HARBOUR, NOVA SCOTIA.

565

GEOMARINE ASSOC. LTD. 1979. SURFICIAL SEDIMENT INVESTIGATION, MCNAB'S COVE, HALIFAX HARBOUR. GEOLOGICAL SURVEY OF CANADA OPEN FILE 632. 1P.

THIS OPEN FILE CONTAINS A REPORT AND 6 ENCLOSURES OF THE RESULTS OF THE SURFICIAL SEDIMENT INVESTIGATION OF MCNAB'S COVE. THE RESULTS OF THE STUDY WERE USED TO DEFINE SUITABLE EMERGENCY GROUNDING AREAS FOR SHIPS IN DISTRESS.

566

GEOMARINE ASSOC. LTD., RUFFMAN, A., COMDEV-MARINE 1976. I. SUBSEA CABLE ROUTE STUDIES, GRAND MANAN CHANNEL, HEAD HARBOUR PASSAGE, AND FRIAR ROADS, NEW BRUNSWICK, CANADA. II. [DATA RELEVANT TO CABLE CROSSINGS] III. [HYDROGRAPHIC AND NAVIGATION ASPECTS]. GEOLOGICAL SURVEY OF CANADA OPEN FILE 504. 3V.

567

GEOMARINE ASSOC. LTD. 1986. GEOLOGICAL AND CRUISE REPORT ON THE BOTTOM SAMPLING PROGRAM AND OPERATION OF CSL TUDLIK ON THE CSS BAFFIN HYDROGRAPHIC CRUISE 84-015, JONES SOUND, DISTRICT OF FRANKLIN, N.W.T., CANADA, AUGUST - SEPTEMBER 1984. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1261. 188P. & 4 MAPS.

DISTRICT OF FRANKLIN, N.W.T., CANADA AUG-SEPT, 1984 OPERATIONAL REPORT ON THE ABOVE FIELD PROGRAM. IT INCLUDES ACOUSTIC TRACK AND STATION DATA, FIELD DESCRIPTIONS OF SAMPLES AND AN ISOPACH MAP OF MUD THICKNESS.

568

GEOMARINE ASSOC. LTD., FADER, G.B. 1984. COMPILATION AND CONSOLIDATION OF SEABED SAMPLE DATA FOR THE GRAND BANKS OF NEWFOUNDLAND. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1130. 1V. & 28 CHARTS/MAPS.

CONSISTS OF AN UNREVIEWED REPORT WHICH TABULATES 1235 SEABED DATA POINTS FROM THE GRAND BANKS OF NEWFOUNDLAND. MAPS ARE INCLUDED. REPORT PREPARED BY GEOMARINE ASSOCIATES LTD., HFX UNDER OERD FUNDING.

569

GEONAUTICS LIMITED 1987. EXTENSION OF THE ICE SCOUR POPULATION MODEL TO ACCOMMODATE CROSSCUTTING; FINAL REPORT. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1588. 82 P.

A COMPUTER CODE FOR THE BIO VAX IS DOCUMENTED FOR SIMULATING LINEAR ICE SCOUR FORMATION ON A SEABED, GIVEN SCOUR FORMATION RATE, SCOUR INFILL RATE, AND INITIAL SCOUR LENGTH, ORIENTATION, AND DEPTH DISTRIBUTIONS. THE OBSERVABLE SCOUR PARAMETERS AT ANY SUBSEQUENT DATE ARE CALCULATED AND DISPLAYED ON THE BIO IMAGE ANALYSIS COMPUTER SYSTEM.

570

GILBERT, G.R., BLASCO, S.M. 1986. OCEAN-BOTTOM SEA-ICE SCOUR: A COMPUTER-BASED DATA MANAGEMENT SYSTEM. IN: ICE SCOUR AND SEABED ENGINEERING: PROCEEDINGS OF A WORKSHOP ON ICE SCOUR RESEARCH, ED., C.F.M. LEWIS [ET AL.]. OTTAWA: ENVIRONMENTAL STUDIES REVOLVING FUNDS. P.157-164. (ENVIRONMENTAL STUDIES REVOLVING FUNDS REPORT NO. 049).

571

GILBERT, G.R., BLASCO, S., STIRBYS, A.F., LEWIS, C.F.M. 1985. BEAUFORT SEA ICE SCOUR ANALYSIS USING A COMPUTERIZED DATA BASE. IN: ANNUAL OFFSHORE TECHNOLOGY CONFERENCE (17TH: 1985: [HOUSTON, TX]), PROCEEDINGS. RICHARDSON, TX: THE CONFERENCE. V.3: 111-118.

WITH THE AID OF A MICROCOMPUTER, 5000 KM OF SIDESCAN, SUBBOTTOM AND BATHYMETRIC DATA HAVE BEEN DIGITIZED AND INCORPORATED INTO A REGIONAL ICE SCOUR DATA BASE MANAGEMENT AND ANALYSIS SYSTEM FOR THE BEAUFORT SEA. THE DISTRIBUTION OF SCOUR PARAMETERS, THEIR INTER-RELATIONSHIPS AND CORRELATIONS WITH PHYSICAL CONDITIONS CAN BE GRAPHICALLY ILLUSTRATED AND ANALYZED OVER A WIDE RANGE OF PARAMETERS AND CONDITIONS.

572

GILBERT, R., SYVITSKI, J.P.M., TAYLOR, R.B. 1985. RECONNAISSANCE STUDY OF PROGLACIAL STEWART LAKES, BAFFIN ISLAND, DISTRICT OF FRANKLIN. GEOLOGICAL SURVEY OF CANADA PAPER 85-1A: 505-510.

STEWART LAKES ARE DAMMED BY NEOGLACIAL MORAINES IN A THROUGH-VALLEY BETWEEN GIBBS & SAMFORD FIORD. GLACIERS ARE RETREATING AT RATES BETWEEN 19 AND 34 M/A. THE LAKE LEVEL HAS LOWERED BY 14M AS A RESULT OF ICE RETREAT AND DOWNCUTTING OF THE MORAINES. THE LAKE VALUES OF SUSPENDED SEDIMENT CONCENTRATION ARE SIGNIFICANTLY HIGHER THAN THOSE MEASURED IN MOST OTHER ICE PROXIMAL LAKES & FIORDS.

573

GILLIE, R.D. 1986. KING POINT COASTAL ZONE SEDIMENT TRANSPORT STUDY FIELD CONTRACTOR'S REPORT. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1260. IV.

THE REPORT CONTAINS THE FIELD OPERATIONS FOR THE KING POINT COASTAL ZONE SEDIMENT TRANSPORT STUDY, PERFORMED BETWEEN AUGUST 24 AND SEPTEMBER 16, 1985.

574

GOLDFLAM, P., WEIGEL, W., LONCAREVIC, B. 1980. SEISMIC STRUCTURE ALONG RRISP - PROFILE I ON THE SOUTHEAST FLANK OF THE REYKJANES RIDGE. JOURNAL OF GEOPHYSICS = ZEITSCHRIFT FUR GEOPHYSIK 47(1-3): 250-260.

575

GOUGH, D.I., BELL, J.S. 1981. STRESS ORIENTATIONS FROM OIL-WELL FRACTURES IN ALBERTA AND TEXAS. CANADIAN JOURNAL OF EARTH SCIENCES 18(3): 638-645.

576

GOUGH, D.I., BELL, J.S. 1982. STRESS ORIENTATIONS FROM BOREHOLE WALL FRACTURES WITH EXAMPLES FROM COLORADO, EAST TEXAS AND NORTHERN CANADA. CANADIAN JOURNAL OF EARTH SCIENCES 19(7): 1358-1370.

577

GOUGH, D.I., BELL, J.S., FORDJOR, C.K. 1984. STRESS ORIENTATIONS IN THE NORTH AMERICAN PLATE [ABSTRACT]. IN: JOINT PROGRAMME WITH ABSTRACTS; ANNUAL CONGRESS, CANADIAN METEOROLOGICAL AND OCEANOGRAPHIC SOCIETY (18TH: 1984:

HALIFAX, N.S.) [AND] ANNUAL MEETING, CANADIAN GEOPHYSICAL UNION (11TH: 1984: HALIFAX, N.S.) = PROGRAMME CONJOINT AVEC RESUMES; CONGRES ANNUEL, SOCIETE CANADIENNE DE METEORLOGIE ET D'OCEANOGRAPHIE (18E: 1984: HALIFAX, N.-E.) [ET] REUNION ANNUELLE, L'UNION CANADIENNE DE GEOPHYSIQUE (11E: 1984: HALIFAX, N.-E.), ED., E.J. TRUHLAR. HALIFAX: THE CONFERENCE. P.46.

578

GOUGH, D.I., FORDJOR, C.K., BELL, J.S. 1983. A STRESS PROVINCE BOUNDARY AND TRACTIONS ON THE NORTH AMERICAN PLATE. NATURE (LONDON) 305(5935): 619-621.

579

GRADSTEIN, F.M. 1969. PALYNOSTRATIGRAPHISCHE PROBLEMATIEK VAN DE "LETTENKOHLE" IN ZUID-FRANKRY. GEOLOGIE EN MIJNBOUW 48(5): 496.

PALYNOLOGICAL STUDY OF LETTENKOHLE DEPOSITS (TRIASSIC) IN SOUTHERN FRANCE ALLOWS CORRELATION WITH THE ALPINE AND NORTH SEA KARNIAN RATHER THAN WITH THE SLIGHTLY OLDER GERMAN LETTENKOHLE.

580

GRADSTEIN, F.M. 1970. FORAMINIFERA FROM THE TYPE SICILIAN AT FICARAZZI, SICILY (LOWER PLEISTOCENE). PROCEEDINGS KONINKLIJKE NEDERLANDSE AKADEMIE VAN WETENSCHAPPEN, SER.B 73(4): 305-333.

FIRST MICROPALAEONTOLOGICAL ANALYSIS OF THE SICILIAN STRATOTYPE. PALEOCLIMATOLOGY AND FORAMINIFERAL BIOSTRATIGRAPHY PLUS REVISIONS OF EARLY PLEISTOCENE STRATIGRAPHY.

581

GRADSTEIN, F.M. 1971. BIOMETRICAL STUDY OF PLIOCENE GLOBOROTALIA. IN: PLANKTONIC CONFERENCE (2ND: 1970: ROME), PROCEEDINGS.: 583-590.

A BIOMETRIC METHOD FOR DEFINITION OF PLIOCENE GLOBOROTALIA IS FOLLOWED TO REFINE ITS USE IN PLIOCENE BIOSTRATIGRAPHY.

582

GRADSTEIN, F.M. 1971. THE AGE OF BEDS IN THE LETTENKOHLE FACIES IN S.E. FRANCE (A PALYNOLOGICAL APPROACH). POLLEN ET SPORES 13(1): 169-178.

DESCRIPTION AND CHRONOSTRATIGRAPHIC INTERPRETATION OF LATE TRIASSIC POLLEN/SPORES IN FRANCE AND THE NORTH SEA BASIN.

583

GRADSTEIN, F.M. 1973. PLIOCENE AND PLEISTOCENE PLANKTONIC FORAMINIFERA FROM SANTA MARIA DI CATANZARO, SOUTHERN ITALY. NEWSLETTERS ON STRATIGRAPHY 3(1): 45-58.

CONTRIBUTION TO AN INTERNATIONAL STUDY OF THE STRATOTYPE CALABRIAN PUBLISHED IN A SPECIAL ISSUE.

584

GRADSTEIN, F.M. 1975. BIOGEOGRAPHIC ASPECTS OF JURASSIC GRAND BANKS FORAMINIFERA

[ABSTRACT]. IN: ABSTRACTS, BENTHONICS '75. HALIFAX: DALHOUSIE UNIV., ETC. P.16-17.

COMPOSITION OF GRAND BANKS JURASSIC FORAMINIFER ASSEMBLAGES AND BIOGEOGRAPHIC SIGNIFICANCE.

585

GRADSTEIN, F.M. (COMP.) 1975. BIOSTRATIGRAPHY (FORAMINIFERA) AND DEPOSITIONAL ENVIRONMENT OF AMOCO IOE EIDER M-75, GRAND BANKS OF NEWFOUNDLAND. GEOLOGICAL SURVEY OF CANADA OPEN FILE 334. 17P.

MULTIPLE BIOSTRATIGRAPHY AND PALEOECOLOGY INDICATES EARLY JURASSIC-LATE CRETACEOUS MARINE SEDIMENTS.

586

GRADSTEIN, F.M. 1975. MICROPALAEONTOLOGY AND THE SEARCH FOR OFFSHORE OIL. BEDFORD INSTITUTE OF OCEANOGRAPHY BIENNIAL REVIEW 1973/74: 203-216. ALSO PUBLISHED IN OCEAN SCIENCE REVIEWS 3: 15-28.

COMPREHENSIVE REVIEW OF THE 'STATE OF THE ART' ON THE CANADIAN ATLANTIC CONTINENTAL MARGIN; ALSO INCLUDES A DISCUSSION OF BIO STRATIGRAPHIC AND PALEOECOLOGIC PRINCIPLES AND RESULTS, AS WELL AS BIOGEOGRAPHIC ASPECTS OF FORAMINIFERAL FAUNAS.

587

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THE OUTSTANDING FEATURE OF THE MARGIN REVEALED BY SEISMIC-PROFILER DATA IS

THE EXTENSIVE SLUMPING OF SEDIMENTS THAT HAS OCCURRED ON THE SLOPE AND RISE NORTHEAST OF NEWFOUNDLAND. GOOD RECORDS OF BURIED 'WAVY' REFLECTORS WERE OBTAINED NEAR THE FOOT OF THE SLOPE. SIMILAR REFLECTORS HAVE BEEN REPORTED AT OTHER LOCALITIES IN SOUTHERN LABRADOR SEA; THEIR ORIGIN HAS NOT BEEN DEFINITELY ESTABLISHED.

647

GRANT, A.C. 1968. SOME ASPECTS OF THE BEDROCK GEOLOGY OF HUDSON BAY AS INTERPRETED FROM CONTINUOUS SEISMIC REFLECTION PROFILES [ABSTRACT]. IN: EARTH SCIENCE SYMPOSIUM ON HUDSON BAY (1968:OTTAWA). OTTAWA: DEPARTMENT OF ENERGY, MINES AND RESOURCES. P.UNPAGED.

648

GRANT, A.C. 1970. RECENT CRUSTAL MOVEMENTS ON THE LABRADOR SHELF. CANADIAN JOURNAL OF EARTH SCIENCES 7(2/PT.2): 571-575. (BIO CONTRIBUTION NO. 174).

SELECTED SEISMIC PROFILES ILLUSTRATE VARIATION IN THE STYLE OF THE CONTACT BETWEEN PRECAMERIAN CRYSTALLINE ROCKS AND CRETACEOUS-TERTIARY SEDIMENTS AT THE MARGINAL CHANNEL ALONG THE INNER LABRADOR SHELF. UPWARDING OF THE SEDIMENTARY STRATA ALONG THE SEAWARD SIDE OF THE MARGINAL CHANNEL APPEARS TO BE RELATED TO RELATIVELY RECENT CRUSTAL MOVEMENT. THIS MAY INDICATE THAT UPWARDING IS RELATED TO ISOSTATIC ADJUSTMENT FOR REMOVAL OF MATERIAL BY GLACIAL EROSION.

649

GRANT, A.C. 1971. COMMENTS ON SURFICIAL ASPECTS OF THE LABRADOR SHELF REGION. IN: PROCEEDINGS OF THE CANADIAN SEMINAR ON ICEBERGS (1971: HALIFAX, N.S.). [S.L.]: CANADA DEPARTMENT OF NATIONAL DEFENCE. P.3-15.

650

GRANT, A.C. 1971. CONTINENTAL MARGIN EAST OF NEWFOUNDLAND. BEDFORD INSTITUTE BIENNIAL REVIEW 1969/70: 81.

REPORT ON THE PROGRESS OF A RECONNAISSANCE SEISMIC PROFILER STUDY OF THE CANADIAN CONTINENTAL MARGIN FROM THE GRAND BANKS TO HUDSON STRAIT. THE PRINCIPAL RESULTS FROM THE LATEST CRUISE INCLUDE A SEISMIC AND MAGNETIC TRAVERSE ACROSS ORPHAN KNOLL, WHICH INDICATES THAT THIS FEATURE IS PROBABLY CONTINENTAL IN ORIGIN.

651

GRANT, A.C. 1971. DISTRIBUTIONAL TRENDS IN THE RECENT MARINE SEDIMENTS OF NORTHERN RAFFIN BAY. MARITIME SEDIMENTS 7(2): 41-63.

652

GRANT, A.C. 1971. FLEMISH CAP. BEDFORD INSTITUTE BIENNIAL REVIEW 1969/70: 80.

REPORT ON A SEISMIC PROFILE SURVEY OF THE FLEMISH CAP AREA, WITH A SUMMARY OF THE PRINCIPAL GEOLOGICAL FEATURES OF FLEMISH CAP, FLEMISH PASS, AND THE EASTERN GRAND BANKS.

653

GRANT, A.C. 1971. THE CONTINENTAL MARGIN OFF LABRADOR AND EASTERN NEWFOUNDLAND

- MORPHOLOGY AND GEOLOGY. DALHOUSIE UNIVERSITY, DOCTORAL THESIS. 131P.

654

GRANT, A.C. 1972. GEOPHYSICAL INVESTIGATIONS ON THE CONTINENTAL SHELF OFF SOUTHERN BAFFIN ISLAND [ABSTRACT]. EOS; TRANSACTIONS, AMERICAN GEOPHYSICAL UNION 53(4): 407.

655

GRANT, A.C. 1972. LABRADOR CONTINENTAL MARGIN. CANADIAN HYDROGRAPHIC SERVICE BATHYMETRIC CHART 813: 1 MAP.

A COMPILATION OF ALL AVAILABLE BATHYMETRIC DATA, USING ECHO SOUNDER PROFILES AND SEISMIC PROFILER RECORDS AS PRIME CONTROL FOR DETERMINING MOST LIKELY BATHYMETRIC CONFIGURATION.

656

GRANT, A.C. 1972. THE CONTINENTAL MARGIN OFF LABRADOR AND EASTERN NEWFOUNDLAND-MORPHOLOGY AND GEOLOGY. CANADIAN JOURNAL OF EARTH SCIENCES 9(11): 1394-1430. (BIO CONTRIBUTION NO. 316).

657

GRANT, A.C. 1973. GEOLOGICAL AND GEOPHYSICAL RESULTS BEARING UPON THE STRUCTURAL HISTORY OF THE FLEMISH CAP REGION. IN: EARTH SCIENCE SYMPOSIUM ON OFFSHORE EASTERN CANADA (1971: OTTAWA), ED., P.J. HOOD. GEOLOGICAL SURVEY OF CANADA PAPER 71-23: 373-387. (BIO CONTRIBUTION NO. 452).

THIS STUDY OF THE EASTERN GRAND BANKS, FLEMISH PASS AND FLEMISH CAP UTILIZED SEISMIC PROFILER RECORDS, MAGNETIC AND GRAVITY DATA, DREDGE AND DRILL SAMPLES, AND BOTTOM PHOTOGRAPHS. SYNTHESIS OF THESE DATA PROVED FLEMISH CAP TO BE A CONTINENTAL STRUCTURE, WITH A CENTRAL ZONE OF EXPOSED BASEMENT FLANKED BY OUTWARD-DIPPING SEDIMENTARY STRATA. CLEARLY THE BULLARD ET AL. (1965) PREDRIFT RECONSTRUCTION OF THE NORTH ATLANTIC SHOULD BE REVISED TO INCLUDE FLEMISH CAP.

658

GRANT, A.C. 1973. RECONNAISSANCE GEOPHYSICAL SURVEYS IN WESTERN LABRADOR SEA. BEDFORD INSTITUTE OF OCEANOGRAPHY BIENNIAL REVIEW 1971/72: 311-313.

REPORT ON THE PROGRESS OF A RECONNAISSANCE GEOPHYSICAL STUDY OF THE WESTERN MARGIN OF THE LABRADOR SEA. A BRIEF REVIEW OF THE REGIONAL GEOLOGY, WITH EMPHASIS ON THE KEY AREAS THAT HAVE BEEN DEFINED AS WARRANTING DETAILED STUDY, SUCH AS DAVIS STRAIT, ORPHAN KNOLL, AND FLEMISH CAP, THE SHELF NORTHEAST OF NEWFOUNDLAND, AND THE SHELF OFF SOUTHERN BAFFIN ISLAND.

659

GRANT, A.C. 1974. STRUCTURAL MODES OF THE WESTERN MARGIN OF THE LABRADOR SEA [ABSTRACT]. IN: GAC/MAC '74; ANNUAL MEETINGS, GEOLOGICAL ASSOCIATION OF CANADA [AND] MINERALOGICAL ASSOCIATION OF CANADA (1974: ST. JOHN'S, NFLD.), PROGRAM ABSTRACTS, 3RD CIRCULAR. [ST JOHN'S: THE CONFERENCE]. P.38-39.

660
GRANT, A.C. 1975. GEOPHYSICAL RESULTS FROM THE CONTINENTAL MARGIN OFF SOUTHERN BAFFIN ISLAND. IN: CANADA'S CONTINENTAL MARGINS AND OFFSHORE PETROLEUM EXPLORATION, ED., C.J. YORATH, E.R. PARKER AND D.J. GLASS. CALGARY: CANADIAN SOCIETY OF PETROLEUM GEOLOGISTS IN ASSOCIATION WITH THE GEOLOGICAL ASSOCIATION OF CANADA. P.411-431. (CANADIAN SOCIETY OF PETROLEUM GEOLOGISTS MEMOIR 4) (BIO CONTRIBUTION NO. 528).

661
GRANT, A.C. 1975. LABRADOR SHELF [ABSTRACT]. IN: CANADA'S CONTINENTAL MARGINS AND OFFSHORE PETROLEUM EXPLORATION, ED., C.J. YORATH, E.R. PARKER AND D.J. GLASS. CALGARY: CANADIAN SOCIETY OF PETROLEUM GEOLOGISTS IN ASSOCIATION WITH THE GEOLOGICAL ASSOCIATION OF CANADA. P.891. (CANADIAN SOCIETY OF PETROLEUM GEOLOGISTS MEMOIR 4).

662
GRANT, A.C. 1975. SEISMIC RECONNAISSANCE OF LAKE MELVILLE, LABRADOR. CANADIAN JOURNAL OF EARTH SCIENCES 12(12): 2103-2110. (BIO CONTRIBUTION NO. 526).

SEISMIC PROFILER TRANSECTS INDICATE THAT MUCH OF LAKE MELVILLE IS UNDERLAIN BY SEDIMENTARY STRATA, WHICH ARE PROBABLY AN EXTENSION OF THE DOUBLE MER FORMATION (PROTEROZOIC? PALEOZOIC?) EXPOSED ONSHORE TO THE NORTHWEST. A STRIKING FEATURE OF LAKE MELVILLE IS THE GREAT THICKNESS OF UNCONSOLIDATED SEDIMENTS (400M), AND THE OVERDEEPENING OF THE BEDROCK SURFACE BENEATH BY MORE THAN 500M RELATIVE TO ITS OUTLET EASTWARD TO THE LABRADOR SEA.

663
GRANT, A.C. 1975. STRUCTURAL MODES OF THE WESTERN MARGIN OF THE LABRADOR SEA. IN: OFFSHORE GEOLOGY OF EASTERN CANADA: VOLUME 2 - REGIONAL GEOLOGY, ED., W.J.M. VAN DER LINDEN AND J.A. WADE. GEOLOGICAL SURVEY OF CANADA PAPER 74-30(2): 217-231. (BIO CONTRIBUTION NO. 553).

MULTICHANNEL REFLECTION SEISMIC DATA SHOW PROFOUNDLY DIFFERENT STYLES OF SUBSIDENCE OF THE LABRADOR CONTINENTAL MARGIN NORTH AND SOUTH OF THE ZONE OF THE GRENVILLE FRONT. THIS PAPER SUGGESTS THAT CONTINENTAL CRUST PROBABLY STANDS FARTHER SEAWARD OFF LABRADOR THAN PREVIOUSLY SUSPECTED.

664
GRANT, A.C. 1977. MULTICHANNEL SEISMIC REFLECTION PROFILES OF THE CONTINENTAL CRUST BENEATH THE NEWFOUNDLAND RIDGE. NATURE 270(5632): 22-25. (BIO CONTRIBUTION NO. 694).

MULTICHANNEL REFLECTION SEISMIC PROFILES FROM THE NEWFOUNDLAND RIDGE SHOW SEQUENCES OF SMOOTH, GENTLY DIPPING REFLECTORS WITHIN TRADITIONAL 'BASEMENT'. THIS INDICATES THAT THE NEWFOUNDLAND RIDGE IS A MORE COMPLEX STRUCTURE THAN SIMPLY BEING A FRACTURE ZONE IN OCEANIC CRUST. IT APPEARS MORE LIKELY THAT THIS FEATURE REPRESENTS AN AREA OF SUBSIDED CONTINENTAL CRUST.

665
GRANT, A.C. 1978. WHAT IS BASEMENT?. GEOTIMES 23(3): 11-12.

666

GRANT, A.C. 1979. DSDP RESULTS - AN OVERVIEW [ABSTRACT]. MARITIME SEDIMENTS 15(1): 22.

DSDP RESULTS DO NOT SUPPORT PLATE TECTONIC MODELS OF OCEANIC CRUST.

667

GRANT, A.C. 1979. GEOPHYSICAL OBSERVATIONS BEARING UPON THE ORIGIN OF THE NEWFOUNDLAND RIDGE. IN: CRUSTAL PROPERTIES ACROSS PASSIVE MARGINS, ED., C.E. KEEN. TECTONOPHYSICS 59(1-4): 71-81. (INTER-UNION COMMISSION ON GEODYNAMICS SCIENTIFIC REPORT 51) (BIO CONTRIBUTION NO. 887) ALSO PUBLISHED IN: CRUSTAL PROPERTIES ACROSS PASSIVE MARGINS: SELECTED PAPERS FROM THE SYMPOSIUM (1978: HALIFAX, N.S.), ED., C.E. KEEN. AMSTERDAM: ELSEVIER, P.139-150. (DEVELOPMENTS IN GEOTECTONICS 15).

THIS PAPER REITERATES THE EVIDENCE FOR THE POSSIBLE CONTINENTAL ORIGIN OF THE NEWFOUNDLAND RIDGE, AND PRESENTS FURTHER SUPPORTIVE EVIDENCE BASED ON MODELLING OF GRAVITY DATA.

668

GRANT, A.C. 1979. LATE TERTIARY CRUSTAL MOVEMENTS AFFECTING THE LABRADOR SHELF [ABSTRACT]. EOS; TRANSACTIONS, AMERICAN GEOPHYSICAL UNION 60(42): 746.

MULTICHANNEL REFLECTION SEISMIC PROFILES SHOW A BURIED, LATE (?) MIOCENE EROSIONAL SURFACE ON THE LABRADOR SHELF.

669

GRANT, A.C. 1979. THE CONTINENT-OCEAN CRUSTAL BOUNDARY IN THE WESTERN LABRADOR SEA [ABSTRACT]. EOS; TRANSACTIONS, AMERICAN GEOPHYSICAL UNION 60(18): 375.

A STRONG, SMOOTH, SEISMIC REFLECTOR BURIED DEEPLY BENEATH THE LABRADOR SLOPE AND RISE IS INTREPRETED AS REPRESENTING THE EARLY CRETACEOUS UNCONFORMITY SURFACE PROMINENT BENEATH THE SHELF TO THE SOUTH.

670

GRANT, A.C. 1980. PROBLEMS WITH PLATE TECTONIC MODELS FOR BAFFIN BAY [ABSTRACT]. GEOLOGICAL ASSOCIATION OF CANADA ANNUAL MEETING ABSTRACTS 5: 57.

THE FIELD EVIDENCE FOR GEOLOGIC CONTINUITY FROM ELLESMERE ISLAND TO GREENLAND CAN BE ACCOMMODATED BY PROCESSES OF VERTICAL CRUSTAL MOVEMENTS, BUT NOT BY MODELSBASED ON LATERAL DISPLACEMENT.

671

GRANT, A.C. 1980. PROBLEMS WITH PLATE TECTONICS: THE LABRADOR SEA. BULLETIN OF CANADIAN PETROLEUM GEOLOGY 28(2): 252-278. (BIO CONTRIBUTION NO. 1016).

672

GRANT, A.C. 1981. GEOLOGY OF THE LABRADOR SEA: SOME CONSTRAINTS ON ARCTIC GEOLOGY [ABSTRACT]. IN: INTERNATIONAL SYMPOSIUM ON ARCTIC GEOLOGY (3RD: 1981: CALGARY). CALGARY: THE CONVENTION. P.53.

673

GRANT, A.C. 1982. HISTORY OF THE SEDIMENTARY BASINS OFFSHORE EASTERN CANADA. IN: PROCEEDINGS, EARTH-SCIENCE TEACHERS' CONFERENCE (1982:HALIFAX). HALIFAX: THE CONFERENCE. P.31-51.

674

GRANT, A.C. 1982. PROBLEMS WITH PLATE TECTONIC MODELS FOR BAFFIN BAY - NARES STRAIT: EVIDENCE FROM THE LABRADOR SEA. IN: NARES STRAIT AND THE DRIFT OF GREENLAND; A CONFLICT IN PLATE TECTONICS, ED., P.R. DAWES AND J.W. KERR. MEDDELELSER OM GRONLAND; GEOSCIENCE 8: 313-326.

675

GRANT, A. 1983. OIL INDUSTRY MULTICHANNEL SEISMIC DATA. BIO REVIEW '83: 18.

676

GRANT, A.C. 1984. A SEISMIC BASE-EVENT MAP FOR THE CONTINENTAL MARGIN AROUND NEWFOUNDLAND [ABSTRACT]. IN: JOINT PROGRAMME WITH ABSTRACTS; ANNUAL CONGRESS, CANADIAN METEOROLOGICAL AND OCEANOGRAPHIC SOCIETY (18TH: 1984: HALIFAX, N.S.) [AND] ANNUAL MEETING, CANADIAN GEOPHYSICAL UNION (11TH: 1984: HALIFAX, N.S.) = PROGRAMME CONJOINT AVEC RESUMES; CONGRES ANNUEL, SOCIETE CANADIENNE DE METEOROLOGIE ET D'OCEANOGRAPHIE (18E: 1984: HALIFAX, N.-E.) [ET] REUNION ANNUELLE, L'UNION CANADIENNE DE GEOPHYSIQUE (11E: 1984: HALIFAX, N.-E.), ED., E.J. TRUHLAR. HALIFAX: THE CONFERENCE. P.97-98.

A SEISMIC "BASE-EVENT" MAP FOR THE CONTINENTAL MARGIN AROUND NEWFOUNDLAND, CONSTRUCTED FROM MULTICHANNEL REFLECTION SEISMIC DATA, PROVIDES A SUBSURFACE DATUM FROM WHICH TO ASSESS REGIONAL GEOLOGY AT BOTH DEEPER AND SHALLOWER LEVELS.

677

GRANT, A.C. 1984. EVERIED STRUCTURES IN THE SOLANDER BASIN, NEW ZEALAND [ABSTRACT]. EOS; TRANSACTIONS, AMERICAN GEOPHYSICAL UNION 65(16): 283.

A HALF-GRABEN IN THE SOLANDER BASIN THAT SUBSIDED ABOUT 3KM IN LATE CRETACEOUS-EOCENE TIME UNDERWENT ABOUT 2KM OF EVERSION IN PLIO-PLEISTOCENE TIME. THIS STYLE OF CRUSTAL BEHAVIOUR IS PROBABLY MORE WIDESPREAD THAN MANY CURRENT MODELS OF CRUSTAL PROCESSES MIGHT SUGGEST

678

GRANT, A.C. 1984. THE SHELFBREAK: CRITICAL INTERFACE ON CONTINENTAL MARGINS, ED., D.J. STANLEY AND G.T. MOORE [BOOK REVIEW]. BULLETIN OF CANADIAN PETROLEUM GEOLOGY 32(1): 97-99.

679

GRANT, A.C. 1985. BASIN EVERSION: AN EXAMPLE FROM SOLANDER TROUGH, NEW ZEALAND [ABSTRACT]. IN: GEOPHYSICS; "THE FACTS OF THE EARTH"; C.S.E.G./C.G.U. NATIONAL CONVENTION; [ABSTRACTS] (1985: CALGARY). [CALGARY: THE CONVENTION]. P.37.

A HALF-GRABEN IN THE SOLANDER TROUGH THAT SUBSIDED 3 KM IN THE LATE

CRETACEOUS AND EOCENE UNDERWENT 2 KM OF UPLIFT (EVERSION) IN PLIO-PLEISTOCENE TIME. THIS STRUCTURE DOES NOT APPEAR TO BE DUE TO TRANSCURRENT FAULTING, AND IT POSES QUESTIONS ABOUT PREVALENT ISOSTATIC CONCEPTS.

680

GRANT, A.C. 1985. STRUCTURAL EVOLUTION OF THE HEAD OF SOLANDER TROUGH, SOUTH OF NEW ZEALAND, BASED ON ANALYSIS OF SEISMIC BASEMENT. NEW ZEALAND JOURNAL OF GEOLOGY AND GEOPHYSICS 28(1): 5-22.

681

GRANT, A.C. 1985. THE GEOLOGY OF THE ATLANTIC OCEAN, BY K.O.EMERY AND ELAZAR UCHUPI [BOOK REVIEW]. EPISODES 8(2): 146.

EMERY AND UCHUPI HAVE PRODUCED A DETAILED SYNTEHSIS OF AN ENORMOUS AMOUNT OF INFORMATION ABOUT THE ATLANTIC OCEAN. THIS BOOK WILL BE THE PRIMARY REFERENCE ON THE GEOLOGY OF THIS REGION

682

GRANT, A.C. 1985. WALLACE E. PRATT MEMORIAL CONFERENCE ON FUTURE PETROLEUM PROVINCES OF THE WORLD; 2-5 DECEMBER, 1984, PHOENIX, ARIZONA, USA. MARINE AND PETROLEUM GEOLOGY 2: 190-191.

THE PRATT MEMORIAL CONFERENCE COMPRISED 33 PAPERS DEALING WITH HYDROCARBON POTENTIAL OF SEDIMENTARY BASINS FROM THE ARCTIC TO THE ANTARCTIC, CHINA TO GREENLAND. IT IS LIKELY THAT SOME OF THE FUTURE PETROLEUM PROVINCES WILL BE FOUND AT GREATER DEPTHS IN AREAS ALREADY EXPLORED AND PRODUCING, AS WELL AS IN REGIONS OF DIFFICULT ACCESS.

683

GRANT, A.C. 1986. SACKVILLE SPUR - A CLASSIC SEDIMENTARY DRIFT. GEOS 15(1): 24-25.

SACKVILLE SPUR, NAMED AFTER THE RESEARCH VESSEL SACKVILLE, IS A SEDIMENT DRIFT PROJECTING 200 KM NORTHEAST FROM THE GRAND BANKS OF NEWFOUNDLAND. IT WAS FORMED BY THE ANCESTRAL LABRADOR CURRENT DURING PLEISTOCENE - OR EARLIER, LOW STANDS OF SEA LEVEL

684

GRANT, A.C. 1987. INVERSION TECTONICS ON THE CONTINENTAL MARGIN EAST OF NEWFOUNDLAND. GEOLOGY 15: 845-848.

685

GRANT, A.C. 1987. LISTRIC FAULTS IN SEDIMENTARY BASINS [ABSTRACT]. EOS; TRANSACTIONS, AMERICAN GEOPHYSICAL UNION 44(16): 416.

LISTRIC NORMAL FAULTS IN THE JEANNE D'ARC BASIN REFLECT COMPENSATORY DISPLACEMENT FOR FLOWAGE OF SALT OR SHALE IN THE ADJACENT, AXIAL ZONE OF THE BASIN. SUCH FAULTS SHOULD NOT BE INTERPRETED AS EVIDENCE FOR BASIN FORMATION BY CRUSTAL EXTENSION.

686
GRANT, A.C., HINZ, K., SCHLUTER, H.U., SRIVASTAVA, S.P., UMPLEBY, D., WOODSIDE, J.
1982. MULTICHANNEL REFLECTION SEISMIC SURVEY IN THE LABRADOR SEA.
GEOLOGICAL SURVEY OF CANADA OPEN FILE 825. 4P.

687
GRANT, A.C., LEVY, E.M., LEE, K., MOFFAT, J.D. 1986. PISCES IV RESEARCH
SUBMERSIBLE FINDS OIL ON BAFFIN SHELF. GEOLOGICAL SURVEY OF CANADA PAPER
86-1A: 65-69.

LIQUID OIL RECOVERED FROM THE SEA FLOOR OFF SCOTT INLET IN OCTOBER, 1985,
BY THE RESEARCH SUBMERSIBLE PISCES IV, CONFIRMS THE EXISTENCE OF NATURAL
OIL SEEPS, AND INDICATES THAT SOURCE ROCKS FOR PETROLEUM ARE PRESENT IN
THE BAFFIN BAY REGION.

688
GRANT, A.C., MACNAB, R.F. 1974. BEDROCK GEOLOGY, NORTHEAST NEWFOUNDLAND.
GEOLOGICAL SURVEY OF CANADA PAPER 74-1B: 153-155.

THIS REPORT SHOWS THE LOCATION OF SEISMIC REFLECTION PROFILES OFF
NEWFOUNDLAND RECORDED BY THE MV MINNA IN 1973. GOOD NAVIGATION CONTROL
ENABLED PRECISE CROSSING OF SEISMIC LINES TO DETERMINE THE STRIKE OF
BEDROCK LAYERING. THESE TESTS CONFIRMED THAT FOLD AXES IN THE
CARBONIFEROUS ROCKS NORTHEAST OF NEWFOUNDLAND TREND NORTH TO WEST OF
NORTH. DOMAL STRUCTURES IN THE AREA ARE INTERPRETED AS SALT DIAPYRS.

689
GRANT, A.C., MANCHESTER, K.S. 1969. GEOPHYSICAL INVESTIGATIONS IN THE UNGAVA BAY
- HUDSON STRAIT REGION [ABSTRACT]. EOS; TRANSACTIONS, AMERICAN
GEOPHYSICAL UNION 50(4): 207.

690
GRANT, A.C., MANCHESTER, K.S. 1970. GEOPHYSICAL INVESTIGATIONS IN THE UNGAVA BAY
- HUDSON STRAIT REGION OF NORTHERN CANADA. CANADIAN JOURNAL OF EARTH
SCIENCES 7(4): 1062-1076. (BIO CONTRIBUTION NO. 192).

A SYNTHESIS OF GRAVITY, MAGNETIC, SEISMIC AND BATHYMETRIC DATA FROM UNGAVA
BAY-HUDSON STRAIT AND FROBISHER BAY. THE LIMITS OF THE PALEOZOIC OUTLIER
IN UNGAVA BAY AND HUDSON STRAIT ARE DEFINED AND A SECOND ONE IS DELINEATED
IN FROBISHER BAY. THERE ALSO APPEARS TO BE A MAJOR FAULT ALONG THE TREND
OF HUDSON STRAIT.

691
GRANT, A.C., MANCHESTER, K.S. 1970. SEISMIC REFLECTION PROFILE FROM THE
CONTINENTAL MARGIN OFF NOVA SCOTIA, CANADA. AOL DATA SERIES 1970-6-D. 5P.

THIS SEISMIC PROFILE PROVIDES CONTINUOUS SEISMIC REFLECTION COVERAGE FROM
THE VICINITY OF MOBIL SABLE ISLAND C-67 SOUTHWARD TO DEEP WATER BEYOND THE
FOOT OF THE CONTINENTAL SLOPE.

692

GRANT, A.C., MANCHESTER, K.S. 1971. SEISMIC REFLECTION PROFILE FROM THE CONTINENTAL MARGIN OFF SOUTHERN LABRADOR, CANADA. AOL DATA SERIES 1971-9-D. 3P.

THE REPORT CONTAINS A REDUCED COPY OF THE SEISMIC RECORD SECTION, A PLOT OF SHOT POINTS, AND A LISTING OF SHOOTING, RECORDING, AND DATA PROCESSING PARAMETERS. THE SEISMIC LINE PROVIDES A CONTINUOUS SEISMIC CROSS-SECTION FOR THE CONTINENTAL SHELF, SLOPE AND RISE OFF LABRADOR.

693

GRANT, A.C., MCALPINE, K.D., WADE, J.A. 1985. THE CONTINENTAL MARGIN OF EASTERN CANADA - GEOLOGICAL FRAMEWORK AND PETROLEUM POTENTIAL [ABSTRACT]. IN: TECTONIC MODELS FOR THE EVOLUTION OF THE APPALACHIAN REGION; ABSTRACTS, ATLANTIC GEOSCIENCE SOCIETY 1985 SYMPOSIUM. MARITIME SEDIMENTS AND ATLANTIC GEOLOGY 21(1/3): 34.

694

GRANT, A.C., MCALPINE, K.D., WADE, J.A. 1986. EAST COAST HYDROCARBON DISCOVERIES - REGIONAL OVERVIEW [ABSTRACT]. IN: GEOLOGICAL SURVEY OF CANADA FORUM; ACTIVITIES ON OIL AND GAS IN CANADA; PROGRAM AND ABSTRACTS OF TALKS (1986: CALGARY). [CALGARY: THE CONFERENCE]. P.10.

EXPLORATION FOR HYDROCARBONS ON THE EAST COAST OF CANADA OVER THE PAST 20 YEARS HAS RESULTED IN 15 GAS AND CONDENSATE DISCOVERIES ON THE SCOTIAN SHELF, 14 SIGNIFICANT DISCOVERIES OF MAINLY LIGHT OIL ON THE GRAND BANKS, AND 6 GAS/CONDENSATE DISCOVERIES ON THE CONTINENTAL SHELF OFF LABRADOR AND SOUTHERN BAFFIN ISLAND.

695

GRANT, A.C., MCALPINE, K.D., WADE, J.A. 1986. OFFSHORE GEOLOGY AND PETROLEUM POTENTIAL OF EASTERN CANADA. ENERGY EXPLORATION & EXPLOITATION 4(1): 5-52.

THERE ARE THREE MAJOR MESOZOIC/CENOZOIC SEDIMENTARY BASINS IN THE CANADIAN EAST COAST OFFSHORE WITH ESTABLISHED RESOURCES OF OIL AND GAS. THE GEOLOGY AND MATURATION HISTORY OF THESE BASINS IS SUMMARIZED, THE EXPLORATION HISTORY IS REVIEWED AND BASIN HYDROCARBON POTENTIAL DATA ARE PRESENTED.

696

GRANT, A.C., MCALPINE, K.D., WADE, J.A. 1986. THE CONTINENTAL MARGIN OF EASTERN CANADA: GEOLOGICAL FRAMEWORK AND PETROLEUM POTENTIAL. IN: FUTURE PETROLEUM PROVINCES OF THE WORLD; PROCEEDINGS OF THE WALLACE E. PRAIT MEMORIAL CONFERENCE (1984: PHOENIX), ED., M.T. HALBOUTY. TULSA, OKLA: AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS. P.177-205. (AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS MEMOIR 40).

HYDROCARBON EXPLORATION ON THE CONTINENTAL MARGIN OF EASTERN CANADA HAS YIELDED 13 SIGNIFICANT GAS/CONDENSATE DISCOVERIES ON THE SCOTIAN SHELF, SIX LIGHT OIL DISCOVERIES ON THE NORTHEAST GRAND BANKS - INCLUDING THE

GIANT HIBERNIA OIL FIELD, AND SIX GAS/CONDENSATE DISCOVERIES ON THE LABRADOR/SOUTHEAST BAFFIN SHELF

697

GRANT, A.C., SANFORD, B.V. 1988. BEDROCK GEOLOGICAL MAPPING AND BASIN STUDIES IN THE HUDSON BAY REGION. GEOLOGICAL SURVEY OF CANADA PAPER 88-1B. P. 287-296.

REFLECTION SEISMIC DATA OBTAINED IN HUDSON BAY IN 1986 AND 1987 PROVIDE IMPROVED DEFINITION OF SUBSURFACE STRUCTURE AND SUBSEA BOUNDARIES OF PALEOZOIC BEDROCK UNITS. THE NEW DATA PROVIDE PARTICULARLY GOOD RESOLUTION OF REEFAL UNITS AND OF COLLAPSE STRUCTURES RELATED TO DISSOLUTION OF EVAPORITES

698

GRANT, D.R. 1985. GLACIERS, SEDIMENT AND SEA LEVEL; NORTHERN BAY OF FUNDY, NOVA SCOTIA: [FIELD TRIP B] - ARCTIC LAND-SEA INTERACTION; ARCTIC WORKSHOP (14TH: 1985: [BEDFORD INSTITUTE OF OCEANOGRAPHY, DARIMOUTH, N.S.]). [DARIMOUTH, N.S.: THE WORKSHOP]. 43P. (GEOLOGICAL SURVEY OF CANADA OPEN FILE 1323).

THE GUIDE INCLUDES 31 STOP DESCRIPTIONS (TWO DAY TRIP) OF VARIOUS GEOLOGICAL ASPECTS RELATED TO PRIMARILY THE LAST DEGLACIATION BETWEEN TRURO AND FORT BEAUSEJOUR ALONG THE UPPER BAY OF FUNDY. AN APPENDIX "SEDIMENTATION IN THE MACROTIDAL COBEQUID BAY SALMON RIVER ESTUARY" BY R.W. DALRYMPLE AND B.A. ZAITLIN, 6PP., IS INCLUDED.

699

GRANT, D.R., LEWIS, C.F.M., MATHEWS, W.H., MCDONALD, B.C., SCOTT, J.S. 1972. COASTAL GEOMORPHOLOGY AND MAN. IN: COASTAL ZONE: PROCEEDINGS OF A SEMINAR HELD AT BEDFORD INSTITUTE OF OCEANOGRAPHY, MARCH 1972, COMP., ATLANTIC UNIT, WATER MANAGEMENT SERVICE DEPT OF THE ENVIRONMENT. OTTAWA, ONT: DEPT OF THE ENVIRONMENT. V.1: 179-187.

700

GRAVES, M. 1983. A SURVEY OF THE PUBLISHED LITERATURE ON SAMPLING AND IN-SITU MEASUREMENTS ON PHYSICAL PROPERTIES IN THE VICINITY OF THE OCEAN'S BOTTOM. GEOLOGICAL SURVEY OF CANADA OPEN FILE 919. 350P. IN VARIOUS PAGINGS. COMPILED IN 1981.

701

GREENBERG, D.A., AMOS, C.L. 1983. SUSPENDED SEDIMENT TRANSPORT AND DEPOSITION MODELLING IN THE BAY OF FUNDY, N.S.- A REGION OF POTENTIAL TIDAL POWER DEVELOPMENT. CANADIAN JOURNAL OF FISHERIES AND AQUATIC SCIENCES 40 (SUPPLEMENT 1): 20-34.

702

GUIGNE, J.Y. 1987. CONCEPT, DESIGN AND EXPERIMENTAL EVALUATION OF AN ACOUSTIC SUB-SEABED INTERROGATOR. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1518: 391 P.

A THEORETICAL AND EXPERIMENTAL TREATMENT OF A TERMINATED PARAMETRIC SOURCE

ARRAY DEPLOYED IN A FIXED CONFIGURATION ON THE SEABED INDICATES THAT PRECISE MEASUREMENTS OF ACOUSTIC PROPERTIES, SUCH AS, ATTENUATION CAN BE ATTAINED. SUBTLE VARIATIONS IN THESE PROPERTIES MAY BE A PRODUCT OF CHANGING DEPOSITIONAL PROCESSES. SHEAR WAVE VELOCITY OBSERVATIONS THROUGH PRECISE ATTENUATION MEASUREMENTS MAY ALLOW THE DETERMINATION OF ELASTIC MODULI PROPERTIES OF SEDIMENTS.

703

GUILBAULT, J.P. 1982. THE PRE-LATE WISCONSINAN FORAMINIFERAL ASSEMBLAGE OF ST. LAWRENCE BAY, CAPE BRETON ISLAND, NOVA SCOTIA. GEOLOGICAL SURVEY OF CANADA PAPER 82-1C: 39-43.

704

GUILBAULT, J.P. 1984. LATE-GLACIAL FORAMINIFERA LOCALITIES IN RAISED MARINE SEDIMENTS IN WESTERN NEWFOUNDLAND. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1003. 97P.

705

HACKETT, D.W., SYVITSKI, J.P.M., PRIME, W., SHERIN, A.G. 1986. SEDIMENT SIZE ANALYSIS SYSTEM USER GUIDE. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1240: 25P.

A USER GUIDE FOR USING THE ATLANTIC GEOSCIENCE CENTER'S COMPUTERIZED SEDIMENT ANALYSIS SYSTEM, WHICH PRODUCES VARIOUS STATISTICAL REPORTS FROM SAMPLE GRAIN SIZES.

706

HACQUEBARD, P.A. 1943. KOLENPETROGRAPHISCHE STUDIEN. RIJKSUNIVERSITEIT TE GRONINGEN, DOCTORAL THESIS. 129P. (MEDEDELINGEN GEOLOGISCHE STICHTING, SERIE C-III-2(1)) PH.D.THESIS, DUTCH WITH ENGLISH SUMMARY.

DESCRIBES THE MICROSCOPIC CONSTITUENTS OF COAL AND THEIR MODE OF FORMATION, AND DEVELOPS A NEW METHOD OF CORRELATING COAL SEAMS BY PETROGRAPHIC PROFILES IN THE SOUTH LIMBURG COALFIELD OF THE NETHERLANDS. COAL FACIES INTERPRETATIONS ON FOUR SEAMS ARE ALSO PRESENTED.

707

HACQUEBARD, P.A. 1951. THE CORRELATION, BY PETROGRAPHIC ANALYSES, OF NO. 5 SEAM IN THE ST. ROSE AND CHIMNEY CORNER COALFIELDS, INVERNESS COUNTY, CAPE BRETON ISLAND, NOVA SCOTIA. GEOLOGICAL SURVEY OF CANADA BULLETIN 19. 33P.

EXPLAINS THE METHODS FOLLOWED IN SAMPLING OF COAL SEAMS, IN PREPARING POLISHED SECTIONS OF COAL, AND IN COMPILATION OF COAL-SEAM DATA. THE CONDITIONS OF DEPOSITION AND RANK AND HEATING VALUE ARE ALSO DETERMINED AND USED TO CORRELATE COAL SEAMS IN TWO SEPARATE BASINS. THE COAL CONTAINS A HIGH ABUNDANCE OF OPAQUE RESIN RODLETS ('SCLEROTIIDS').

708

HACQUEBARD, P.A. 1952. A PETROGRAPHIC INVESTIGATION OF THE TRACY SEAM OF THE SYDNEY COALFIELD, NOVA SCOTIA. IN: PROCEEDINGS OF THE CONFERENCE ON THE ORIGIN AND CONSTITUTION OF COAL (1ST: 1950: CRYSTAL CLIFFS, NOVA SCOTIA): 293-313.

WITH PETROGRAPHIC PROFILES, THE REGIONAL EXTENT AND VARIATIONS OF THE TRACY SEAM HAVE BEEN DETERMINED. THE SEAM IS CHARACTERIZED BY A UNIQUE CONCENTRATION OF "SQUAT BULKY SPORES", NOTED IN POLISHED SECTION SPORE DENSITY DIAGRAMS (AS COUNTED PER SQUARE INCH) WHICH PROVED VALUABLE FOR SEAM IDENTIFICATION.

709

HACQUEBARD, P.A. 1952. OPAQUE MATTER IN COAL. ECONOMIC GEOLOGY 47(4): 494-516.

OPAQUE MATTER, AS PRESENTED BY THE ORGANIC COAL CONSTITUENTS, IS DISCUSSED AND ILLUSTRATED WITH 36 PHOTOMICROGRAPHS: PRIMARY AND SECONDARY OPACITY CAN BE RECOGNIZED AND AN APPROPRIATE NOMENCLATURE FOR THE (PRIMARY) OPAQUE CONSTITUENTS IS INTRODUCED.

710

HACQUEBARD, P.A. 1952. THE NOMENCLATURE AND CLASSIFICATION OF COAL PETROGRAPHY. IN: PROCEEDINGS OF THE CONFERENCE ON THE ORIGIN AND CONSTITUTION OF COAL (1ST: 1950: CRYSTAL CLIFFS, NOVA SCOTIA) .: 8-38.

THE MACERALS AND MICROLITHOTYPES OF COAL AS OBSERVED UNDER REFLECTED LIGHT ARE DESCRIBED AND ILLUSTRATED, AND IT IS SHOWN THERE IS A CORRELATION BETWEEN THE NOMENCLATURE AND CLASSIFICATION OF COAL PETROLOGY, AS DEVELOPED FROM REFLECTED LIGHT, AND TRANSMITTED LIGHT TECHNIQUES.

711

HACQUEBARD, P.A. 1955. MICROSCOPIC COAL RESEARCH IN CANADA. LEIDSE GEOLOGISCHE MEDEDELINGEN 20: 74-88.

A DISCUSSION OF TERMINOLOGY, QUANTITATIVE COAL PETROLOGY ANALYSIS, SEAM CORRELATION, COAL PREPARATION AND STUDIES OF SPONTANEOUS COMBUSTION OF COALS FROM EASTERN CANADA.

712

HACQUEBARD, P.A. 1957. PLANT SPORES IN COAL FROM THE HORTON GROUP (MISSISSIPPIAN) OF NOVA SCOTIA. MICROPALAEONTOLOGY 3(4): 301-324.

A TAXONOMIC SPORE STUDY OF A COAL OF EARLIEST MISSISSIPPIAN AGE. 19 GENERA AND 50 SPECIES (INCLUDING 4 NEW GENERA AND 30 NEW SPECIES) ARE DESCRIBED. THE ASSEMBLAGE SHOWS CLOSE AFFINITY WITH LATE DEVONIAN SPORES OF THE USSR.

713

HACQUEBARD, P.A. 1960. THE VALUE OF A QUANTITATIVE SEPARATION OF THE MACERAL VITRINITE INTO ITS CONSTITUENTS TELINITES AND COLLINITES FOR THE PETROGRAPHY OF COKING COALS. IN: PROCEEDINGS OF THE INTERNATIONAL COMMITTEE FOR COAL PETROLOGY, INTERNATIONAL CONGRESS ON COAL PETROLOGY (1ST: 1958: HEERLEN, NETHERLANDS), NR. 3.: 131-139.

QUANTITATIVE ANALYSES OF THE CONSTITUENTS COLLINITE AND TELINITE HAVE BEEN MADE ON ETCHED GRAIN MOUNTS EXAMINED WITH AN OIL IMMERSION OBJECTIVE. STUDIES ON CARBONIFEROUS COALS FROM NOVA SCOTIA AND CRETACEOUS COALS FROM

ALBERTA SHOW THAT THERE EXISTS A CLOSE RELATIONSHIP BETWEEN THE AMOUNT OF TELINITE AND THE SWELLING INDICES OF THESE COALS: THIS CORRELATION IS SIGNIFICANT FOR THE EVALUATION OF COKING COALS.

714

HACQUEBARD, P.A. 1961. PALYNOLOGICAL STUDIES ON SOME UPPER AND LOWER CARBONIFEROUS STRATA IN NOVA SCOTIA: PART 1: THE MABOU COAL AREA. IN: PROCEEDINGS OF CONFERENCE ON THE ORIGIN AND CONSTITUTION OF COAL (3RD: 1956: CRYSTAL CLIFFS, NOVA SCOTIA).: 227-253.

715

HACQUEBARD, P.A. 1966. PALAEOECOLOGICAL AND ENVIRONMENTAL STUDIES OF THE MINTO COALFIELD, N.B. GEOLOGICAL SURVEY OF CANADA PAPER 66-2: 60.

716

HACQUEBARD, P.A. 1967. MINTO COALFIELD. GEOLOGICAL SURVEY OF CANADA PAPER 67-1A: 169.

717

HACQUEBARD, P.A. 1970. COAL. IN: GEOLOGY AND ECONOMIC MINERALS OF CANADA (5TH ED.), ED., R.J.W. DOUGLAS. GEOLOGICAL SURVEY OF CANADA ECONOMIC GEOLOGY REPORT 1: 356-364.

A SYNOPSIS OF THE GEOLOGY OF THE DIFFERENT COAL BASINS IN THE MARITIMES, TOGETHER WITH EXAMPLES OF FACIES INTERPRETATIONS FROM COAL PETROLOGY, PALYNOLOGY AND THE LITHOLOGY OF THE ASSOCIATED SEDIMENTS. DATA ON COAL PRODUCTION AND COAL RESOURCES ARE ALSO INCLUDED.

718

HACQUEBARD, P.A. 1972. REPORT ON CARBONACEOUS MATERIAL FROM ORPHAN KNOLL, SITE 111, DEEP SEA DRILLING PROJECT. IN: INITIAL REPORTS OF THE DEEP SEA DRILLING PROJECT, A.S. LAUGHTON, W.A. BERGGREN ET AL. WASHINGTON: U.S. GOVERNMENT PRINTING OFFICE. V.12: 51.

A BRIEF REPORT ON RANK DETERMINATION OF DETRITAL PARTICLES OF COAL IN JURASSIC SEDIMENTS. OF SIGNIFICANCE TO CONTINENTAL DRIFT INTERPRETATIONS AND TO OIL AND GAS POSSIBILITIES IN RELATION TO DEGREE OF ORGANIC METAMORPHISM.

719

HACQUEBARD, P.A. 1972. THE CARBONIFEROUS OF EASTERN CANADA. IN: COMPTE RENDU; CONGRES INTERNATIONAL DE STRATIGRAPHIE ET DE GEOLOGIE DU CARBONIFERE (7E: 1971: KREFELD, GERMANY). KREFELD: GEOLOG LANDESAMT NORDRHEIN-WESTFALEN. V.1: 69-90. (REPRINTED IN: GEOLOGY OF COAL, ED., C.A. ROSS AND J.R.P. ROSS. STROUDSBURG, PA: HUTCHINSON ROSS PUBLISHING CO., 1984, P.45-66.) (BENCHMARK PAPERS IN GEOLOGY 77.).

THE PAPER PROVIDES A COMPREHENSIVE OVERVIEW OF THE TECTONIC FRAMEWORK, LITHOLOGY, AND BIOSTRATIGRAPHY OF THE CARBONIFEROUS IN THE ATLANTIC REGION. IT DISCUSSES THE PRESENCE OF 17 MIOSPORE ZONES, AND ILLUSTRATES THE REGIONAL AND VERTICAL DISTRIBUTION OF THESE ZONES IN FOUR 3-DIMENSIONAL DIAGRAMS, CONTAINING A LARGE NUMBER OF COLUMNAR

STRATIGRAPHIC SECTIONS. AGE, LOCATION, PRODUCTION, AND RESOURCES OF MINEABLE COALS AND THEIR DIFFERENT DEVELOPMENT IN SEPARATE BASINS ARE MENTIONED.

720

HACQUEBARD, P.A. 1974. A COMPOSITE COALIFICATION CURVE OF THE MARITIME REGION AND ITS VALUE FOR PETROLEUM EXPLORATION. GEOLOGICAL SURVEY OF CANADA PAPER 74-1B: 21-23.

721

HACQUEBARD, P.A. 1975. CORRELATION BETWEEN COAL RANK, PALEOTEMPERATURE AND PETROLEUM OCCURRENCES IN ALBERTA. GEOLOGICAL SURVEY OF CANADA PAPER 75-1B: 5-8.

722

HACQUEBARD, P.A. 1975. PRE- AND POST-DEFORMATIONAL COALIFICATION AND ITS SIGNIFICANCE FOR OIL AND GAS EXPLORATION. IN: PETROGRAPHIE DE LA MATIERE ORGANIQUE DES SEDIMENTS, RELATIONS AVEC LA PALEOTEMPERATURE ET LE POTENTIEL PETROLIER, ED., B. ALPERN. PARIS: CENTRE NATIONAL RECHERCHE SCIENTIFIQUE. P.225-241.

THERE ARE FUNDAMENTAL DIFFERENCES IN COALIFICATION PATTERNS BETWEEN THE COALS OF THE ROCKY MOUNTAIN AND MARITIME REGIONS. THESE ARE SIGNIFICANT TO THE EVALUATION OF COKING COALS AND APPRAISAL OF HYDROCARBONS. FOR THE MARITIME REIGON A COMBINED CARBONIFEROUS AND MESOZOIC (FROM OFFSHORE WELLS) COALIFICATION CURVE IS USEFUL IN DELINEATING THE MOST FAVOURABLE INTERVALS OF OIL OR GAS POTENTIAL. THE EFFECT OF TIME ON THE COALIFICATION PROCESS IS ALSO DISCUSSED.

723

HACQUEBARD, P.A. 1976. GEOLOGICAL APPRAISAL OF SUBMARINE COAL RESOURCES IN SYDNEY FIELD OF NOVA SCOTIA, CANADA [ABSTRACT]. GEOLOGICAL SOCIETY OF AMERICA, ABSTRACTS WITH PROGRAMS 8(6): 898.

724

HACQUEBARD, P.A. 1976. [BOOK REVIEW OF STACH'S TEXTBOOK OF COAL PETROLOGY BY E. STACH ET AL]. GEOSCIENCE CANADA 3(4): 312.

A FAVOURABLE REVIEW OF STACH'S TEXT BOOK ON COAL PETROLOGY.

725

HACQUEBARD, P.A. 1977. RANK OF COAL AS AN INDEX OF ORGANIC METAMORPHISM FOR OIL AND GAS IN ALBERTA. IN: THE ORIGIN AND MIGRATION OF PETROLEUM IN THE WESTERN CANADIAN SEDIMENTARY BASIN, ALBERTA: A GEOCHEMICAL AND THERMAL MATURATION STUDY, BY G. DEROO ET AL. GEOLOGICAL SURVEY OF CANADA BULLETIN 262: 11-22.

726

HACQUEBARD, P.A. 1979. A GEOLOGICAL APPRAISAL OF THE COAL RESOURCES OF NOVA SCOTIA. CANADIAN INSTITUTE OF MINING AND METALLURGY. CIM BULLETIN 72(802): 76-87.

PAPER GIVES AN UPDATE ON REMAINING COAL RESOURCES OF NOVA SCOTIA, IN LIGHT OF RECENT DRILLING RESULTS IN ONSHORE AREAS.

727

HACQUEBARD, P.A. 1979. RANK VARIATIONS IN SYDNEY COALFIELD, NOVA SCOTIA; GEOLOGICAL AND ECONOMIC CONSIDERATIONS [ABSTRACT]. GEOLOGICAL SOCIETY OF AMERICA, ABSTRACTS WITH PROGRAMS 11(7): 437.

728

HACQUEBARD, P.A. 1980. GEOLOGIC DEVELOPMENT OF THE SYDNEY COAL BASIN, NOVA SCOTIA [ABSTRACT]. GEOLOGICAL ASSOCIATION OF CANADA ANNUAL MEETING ABSTRACTS 5: 58.

729

HACQUEBARD, P.A. 1980. TRIP 7: GEOLOGY OF CARBONIFEROUS COAL DEPOSITS IN NOVA SCOTIA. [S.L.]: THE GEOLOGICAL ASSOCIATION OF CANADA AND THE MINERALOGICAL ASSOCIATION OF CANADA. 37P.

730

HACQUEBARD, P.A. 1981. VALUE OF OCCURRENCE OF DETRITAL PARTICLES OF COAL IN TRACING THE PROVENANCE OF SEDIMENTARY ROCKS [ABSTRACT]. MARITIME SEDIMENTS AND ATLANTIC GEOLOGY 17(3): 149-150.

731

HACQUEBARD, P.A. 1983. GEOLOGICAL DEVELOPMENT AND ECONOMIC EVALUATION OF THE SYDNEY COAL BASIN, NOVA SCOTIA. GEOLOGICAL SURVEY OF CANADA PAPER 83-1A: 71-81.

732

HACQUEBARD, P.A. 1984. COAL RANK CHANGES IN THE SYDNEY AND PICTOU COALFIELDS OF NOVA SCOTIA; CAUSE AND ECONOMIC SIGNIFICANCE. CANADIAN INSTITUTE OF MINING AND METALLURGY. CIM BULLETIN 77(865): 33-40.

733

HACQUEBARD, P.A. 1984. COMPOSITION, RANK AND DEPTH OF BURIAL OF TWO NOVA SCOTIA LIGNITE DEPOSITS. GEOLOGICAL SURVEY OF CANADA PAPER 84-1A: 11-15.

734

HACQUEBARD, P.A. 1984. GEOLOGIC DEVELOPMENT AND ECONOMIC EVALUATION OF THE SYDNEY COAL BASIN, NOVA SCOTIA, CANADA. IN: INTERNATIONAL CONGRESS ON CARBONIFEROUS STRATIGRAPHY AND GEOLOGY (9TH: 1979: WASHINGTON, D.C., AND UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN), COMPTE RENDU; VOL.3, PART 1. ATLANTIC COAST BASINS, ED., H.H.J. GELDSETZER. CARBONDALE AND EDWARDSVILLE: SOUTHERN ILLINOIS UNIVERSITY PRESS. P.61-71.

THE PAPER INCLUDES A DISCUSSION OF: (1) AGE AND STRATIGRAPHY; (2) STRUCTURE OF THE OFFSHORE SYDNEY BASIN; (3) ENVIRONMENT OF DEPOSITION AND DEVELOPMENT OF COAL SEAMS; (4) SPLITTING OF SEAMS; (5) COALIFICATION AND VARIATIONS IN RANK; (6) COAL RESOURCE ESTIMATES; AND (7) AVAILABILITY OF COOKING COAL.

735

HACQUEBARD, P.A. 1985. PALEOENVIRONMENTAL AND TECTONIC CONTROL ON COAL DEPOSITION IN EASTERN CANADA. IN: TECTONIC MODELS FOR THE EVOLUTION OF THE APPALACHIAN REGION; ABSTRACTS, ATLANTIC GEOSCIENCE SOCIETY 1985 SYMPOSIUM. MARITIME SEDIMENTS AND ATLANTIC GEOLOGY 21(1/3): 45.

TECTONIC SETTING (OROGENIC OR EPEIROGENIC) AND PALEOENVIRONMENT (ALLUVIAL-PARALIC; FLUVIAL, SHALLOW OR DEEP LACUSTRINE) ARE REFLECTED IN OVERALL SEAM COMPOSITION AND IN THE PETROGRAPHY OF THE COAL ITSELF.

736

HACQUEBARD, P.A. 1986. THE GULF OF ST. LAWRENCE CARBONIFEROUS BASIN: THE LARGEST COALFIELD OF EASTERN CANADA [ABSTRACT]. IN: CURRENT RESEARCH IN THE ATLANTIC PROVINCES; ABSTRACTS, ATLANTIC GEOSCIENCE SOCIETY 1986 COLLOQUIUM. MARITIME SEDIMENTS AND ATLANTIC GEOLOGY 22(2): 188-189.

737

HACQUEBARD, P.A., AVERY, M. 1976. ON THE PETROGRAPHY RANK AND PREDICTED COKE STABILITIES OF ACADIA SEAM COAL, PICTOU COAL FIELD, NOVA SCOTIA. GEOLOGICAL SURVEY OF CANADA TECHNICAL REPORT 11-E/10-76-1. 25P.

738

HACQUEBARD, P.A., AVERY, M.P. 1978. APPRAISAL OF COAL SEAM QUALITY IN BOREHOLES USING SIDEWALL CORE SAMPLES [ABSTRACT]. GEOLOGICAL SOCIETY OF AMERICA, ABSTRACTS WITH PROGRAMS 10(7): 414.

739

HACQUEBARD, P.A., AVERY, M.P. 1982. GEOLOGICAL AND GEOTHERMAL EFFECTS ON COAL RANK VARIATIONS IN THE PENNSYLVANIAN BASIN OF NEW BRUNSWICK [ABSTRACT]. MARITIME SEDIMENTS AND ATLANTIC GEOLOGY 18(1): 56.

740

HACQUEBARD, P.A., AVERY, M.P. 1982. PETROGRAPHY OF THE HARBOUR SEAM IN THE DONKIN RESERVE AREA OF THE SYDNEY COAL FIELD, NOVA SCOTIA. IN: COAL: PHOENIX OF THE '80S: PROCEEDINGS CIC COAL SYMPOSIUM (64TH: 1982: OTTAWA), ED., A.M. ALTAWEEL. OTTAWA: THE CONFERENCE. V.1: 79-86.

THIS PAPER GIVES RESULTS OF CONSIDERABLE AMOUNT OF ANALYTICAL WORK DONE ON THE PETROGRAPHIC COMPOSITION OF 11 BOREHOLE SAMPLES OF THE HARBOUR SEAM. THIS SEAM WILL BE THE MAIN PRODUCER OF THE NEW DONKIN LINE, AND THE STUDY GIVES INFORMATION OF ECONOMIC SIGNIFICANCE ON PYRITE AND SULPHUR DISTRIBUTION; (3) COAL CLEANING POSSIBILITIES; (4) SEAM THICKNESS VARIATIONS; (5) RANK CHANGES; AND (6) EVALUATION OF COKING PROPERTIES.

741

HACQUEBARD, P.A., AVERY, M.P. 1984. GEOLOGICAL AND GEOTHERMAL EFFECTS ON COAL RANK VARIATIONS IN THE CARBONIFEROUS BASIN OF NEW BRUNSWICK. GEOLOGICAL SURVEY OF CANADA PAPER 84-1A: 17-28.

742

HACQUEBARD, P.A., AVERY, M.P. 1985. GEOLOGICAL AND GEOTHERMAL EFFECTS ON COAL

RANK VARIATIONS IN THE CARBONIFEROUS BASIN OF NEW BRUNSWICK, CANADA. IN: CONGRES INTERNATIONAL DE STRATIGRAPHIE ET DE GEOLOGIE DU CARBONIFERE (10E: 1983: MADRID); COMPTE RENDU. MADRID: INSTITUTO GEOLOGICO Y MINERO DE ESPANA. V.3: 383-397.

743

HACQUEBARD, P.A., BARSS, M.S. 1957. A CARBONIFEROUS SPORE ASSEMBLAGE IN COAL FROM THE SOUTH NAHANNI RIVER AREA, NORTHWEST TERRITORIES. GEOLOGICAL SURVEY OF CANADA BULLETIN 40. 63P.

AN EARLY CARBONIFEROUS SPORE ASSEMBLAGE FROM WESTERN CANADA CONSISTING OF 22 GENERA (5 NEW) AND SPECIES (29 NEW) IS RECOGNIZED AND DESCRIBED FOR THE FIRST TIME. COMPARISON WITH ASSEMBLAGES REPORTED FROM SPITSBERGEN AND THE MOSCOW BASIN SUGGEST A DISTINCT FLORAL PROVINCE IN THE EARLY CARBONIFEROUS.

744

HACQUEBARD, P.A., BARSS, M.S. 1960. [PAMPHLET REPRODUCED FROM A SEVEN-FOOT-HIGH DISPLAY BOOK WHICH DEPICTS THE ACTIVITIES OF THE DEPARTMENT OF MINES AND TECHNICAL SURVEYS]. OTTAWA: DEPARTMENT OF MINES AND TECHNICAL SURVEYS. 9P.

CONSISTS OF ONE PANEL IN SEVEN FOOT HIGH DISPLAY BOOK WHICH DEPICTS THE ACTIVITIES OF THE DEPARTMENT OF MINES AND TECHNICAL SURVEYS. THE PANEL INCLUDES DIAGRAMS, PHOTOMICROGRAPHS AND BRIEF DESCRIPTIONS OF THE FOLLOWING CONSTITUENTS, APPLICATIONS OF COAL PETROLOGY, AND SPORE INVESTIGATIONS.

745

HACQUEBARD, P.A., BARSS, M.S. 1966. THE VALUE OF FOSSIL SPORES IN EVALUATING THE REMAINING RESERVES OF THE PICTOU COALFIELD, N.S. GEOLOGICAL SURVEY OF CANADA PAPER 66-2: 60-61.

SPORES PROVE THAT WESTVILLE COALS UNDERLIE STELLARTON COALS; THUS THERE MAY BE SUBSTANTIAL RESERVES BENEATH THE STELLARTON DISTRICT.

746

HACQUEBARD, P.A., BARSS, M.S. 1968. PALEOGEOGRAPHY AND FACIES ASPECTS OF THE MINTO COAL SEAM, NEW BRUNSWICK, CANADA. GEOLOGICAL SURVEY OF CANADA PAPER 68-1B: 5-7.

OUTLINES STRATIGRAPHIC SETTING OF MINTO BASIN, AND REGIONAL DEVELOPMENT OF COAL SEAM; SUGGESTIONS ARE MADE FOR ADDITIONAL RESERVES. THE COAL LITHOFACIES IS DISCUSSED AND PALEOBOTANICAL ASPECTS INTERPRETED FROM SPORE ASSEMBLAGES.

747

HACQUEBARD, P.A., BARSS, M.S. 1970. PALAEOGEOGRAPHY AND FACIES ASPECTS OF THE MINTO COAL SEAM, NEW BRUNSWICK, CANADA. IN: COMPTE RENDU, CONGRES INTERNATIONALE DE STRATIGRAPHIE ET DE GEOLOGIE DU CARBONIFERE (6E: 1967: SHEFFIELD). MAASTRICHT, NETHERLANDS: ERNEST VAN AELST. V.III: 861-872.

THIS PAPER PROVIDES INFORMATION ON THE REGIONAL CHANGES IN SEAM THICKNESS AND THE BEST SEAM DEVELOPMENT, THE VARIATIONS IN SULPHUR CONTENT AND THE EXTENT OF THE COAL BASIN, WITH THE DELINEATION OF THE BEST AREA FOR FUTURE EXPLORATION. FACIES CHANGES WITHIN THE COAL SEAM ARE DETERMINED FROM PETROGRAPHY AND PALYNOLOGY STUDIES.

748

HACQUEBARD, P.A., BARSS, M.S., BIRMINGHAM, T.F., CAMERON, A.R. 1962. FUELS. IN: SUMMARY OF RESEARCH, OFFICE AND LABORATORY, 1961, BY P. HARKER AND S.E. JENNESS. GEOLOGICAL SURVEY OF CANADA PAPER 62-30: 19-21.

749

HACQUEBARD, P.A., BARSS, M.S., BIRMINGHAM, T.F., CAMERON, A.R. 1963. FUELS. IN: SUMMARY OF ACTIVITIES, OFFICE AND LABORATORY, 1962, COMP., S.E. JENNESS. GEOLOGICAL SURVEY OF CANADA PAPER 63-2: 60-65.

750

HACQUEBARD, P.A., BARSS, M.S., DONALDSON, J.R. 1960. DISTRIBUTION AND STRATIGRAPHIC SIGNIFICANCE OF SMALL SPORE GENERA IN THE UPPER CARBONIFEROUS OF THE MARITIME PROVINCES OF CANADA. IN: CONGRES POUR L'AVANCEMENT DES ETUDES DE STRATIGRAPHIE ET DE GEOLOGIE DU CARBONIFERE (4E: 1958: HEERLEN), COMPTE RENDU. MAESTRICHT, NETHERLANDS: ERNEST VAN AELST. V.1:237-245.

THE RANGE CHART OF 40 SPORE GENERA IS BASED ON A STUDY OF 150 COAL SAMPLES FROM THE UPPER CARBONIFEROUS OF THE MARITIME PROVINCES. COMPARISONS ARE MADE WITH WESTERN EUROPEAN NAMURIAN AND WESTPHALIAN ASSEMBLAGES AND A REVISION OF THE WESTPHALIAN C-D BOUNDARY IS SUGGESTED.

751

HACQUEBARD, P.A., BIRMINGHAM, T.F., DONALDSON, J.R. 1967. PETROGRAPHY OF CANADIAN COALS IN RELATION TO ENVIRONMENT OF DEPOSITION. IN: SYMPOSIUM ON SCIENCE AND TECHNOLOGY OF COAL (1967 : OTTAWA). OTTAWA: MINES BRANCH. P.84-97.

752

HACQUEBARD, P.A., BIRMINGHAM, T.F., DONALDSON, J.R. 1967. PETROGRAPHY OF CANADIAN COALS IN RELATION TO ENVIRONMENT OF DEPOSITION. GEOLOGICAL SURVEY OF CANADA PAPER 67-1B: 51-52.

753

HACQUEBARD, P.A., BUCKLEY, D.E., VILKS, G. 1981. THE IMPORTANCE OF DETRITAL PARTICLES OF COAL IN TRACING THE PROVENANCE OF SEDIMENTARY ROCKS. BULLETIN DES CENTRES DE RECHERCHES EXPLORATION-PRODUCTION ELF-AQUITAINE 5(2): 555-572.

754

HACQUEBARD, P.A., CAMERON, A.R., DONALDSON, J.R. 1964. A DEPOSITIONAL STUDY OF THE HARBOUR SEAM, SYDNEY COALFIELD, NOVA SCOTIA. GEOLOGICAL SURVEY OF CANADA PAPER 64-2: 90-91.

755

HACQUEBARD, P.A., CAMERON, A.R., DONALDSON, J.R. 1964. DIE ABLAGERUNGSBEDINGUNGEN DES FLOZES HARBOUR IM SYDNEY - KOHLENGEBIET VON NEUSCHOTTLAND, KANADA [A DEPOSITIONAL STUDY OF THE HARBOUR SEAM, SYDNEY COALFIELD, NOVA SCOTIA, CANADA]. IN: POTONIE FESTSCHRIFT. FORTSCHRITTE GEOLOGIE RHEINLAND UND WESTFALEN 12: 331-356. ALSO PUBLISHED IN ENGLISH IN GEOLOGICAL SURVEY OF CANADA PAPER 65-15, 31P.

A STUDY OF THE SEDIMENTATION, COAL PETROLOGY AND PALYNOLOGY OF ONE COAL SEAM OVER AN ENTIRE COALFIELD SHOWS THAT DIFFERENT COAL FACIES ARE DERIVED FROM DIFFERENT PLANT ASSOCIATIONS. A PALEOECOLOGICAL PICTURE IS PRESENTED WHICH IS BASED ON THESE FACIES.

756

HACQUEBARD, P.A., CAMERON, A.R., FORGERON, S.V., POTTER, W.C., SHAW, W.S., SMITH, E.N. 1978. GEOLOGY OF CARBONIFEROUS COAL DEPOSITS IN NOVA SCOTIA. IN: GEOLOGICAL ASSOCIATION OF CANADA ANNUAL MEETING (1978: TORONTO) FIELD TRIPS GUIDEBOOK, ED., A.L. CURRIE. TORONTO: GEOLOGICAL ASSOCIATION OF CANADA. P.43-64.

THE GUIDEBOOK DESCRIBES THE GEOLOGY OF THE SYDNEY, MABOU, AND PICTOU COALFIELDS. FOR EACH AREA THE SEDIMENTOLOGICAL SETTING AND GENERAL COAL GEOLOGY IS PRESENTED WITH MEASURED SHORE SECTIONS, CROSS-SECTIONS AND DESCRIPTIVE NOTES. THE DIFFERENCES BETWEEN THE PARALIC AND LIMNIC ENVIRONMENTS OF COAL DEPOSITION FORMED ONE OF THE MAIN THEMES OF THE FIELD TRIP.

757

HACQUEBARD, P.A., DONALDSON, J.R. 1964. STRATIGRAPHY AND PALYNOLOGY OF THE UPPER CARBONIFEROUS COAL MEASURES IN THE CUMBERLAND BASIN OF NOVA SCOTIA. GEOLOGICAL SURVEY OF CANADA PAPER 64-2: 9-10.

758

HACQUEBARD, P.A., DONALDSON, J.R. 1964. STRATIGRAPHY AND PALYNOLOGY OF THE UPPER CARBONIFEROUS COAL MEASURES IN THE CUMBERLAND BASIN OF NOVA SCOTIA, CANADA. IN: COMPTE RENDU, CONGRES INTERNATIONALE DE STRATIGRAPHIE ET DE GEOLOGIE DU CARBONIFERE (5E: 1963: PARIS). V.3:1157-1169.

THE LITHOLOGY, STRATIGRAPHY AND MIOSPORE DISTRIBUTION IN THE COAL MEASURE SEQUENCES AT JOGGINS AND SPRINGHILL IS PRESENTED. THE TWO PRODUCTIVE COAL ZONES ARE OF THE SAME AGE, BOTH BELONGING TO THE "HIGH" LYCOSPORA ZONE, WHICH IS REGARDED AS MIDDLE WESTPHALIAN B. THE SEQUENCE AT SPICER COVE, HOWEVER, IS WESTPHALIAN C AS IT COMPARES WITH THE LONCHOPTERIS ZONE OF THE MORIEN SERIES.

759

HACQUEBARD, P.A., DONALDSON, J.R. 1965. CARBONIFEROUS COAL DEPOSITION ASSOCIATED WITH FLOOD-PLAIN AND LIMNIC ENVIRONMENTS IN NOVA SCOTIA. GEOLOGICAL SURVEY OF CANADA PAPER 64-2: 70-71.

760

HACQUEBARD, P.A., DONALDSON, J.R. 1966. STRUCTURAL PROBLEMS IN RELATION TO COAL MINING AT SPRINGHILL, N.S. GEOLOGICAL SURVEY OF CANADA PAPER 66-2: 61.

761

HACQUEBARD, P.A., DONALDSON, J.R. 1969. CARBONIFEROUS COAL DEPOSITION ASSOCIATED WITH FLOOD-PLAIN AND LIMNIC ENVIRONMENTS IN NOVA SCOTIA. IN: ENVIRONMENTS OF COAL DEPOSITION, ED., E.C. DAPPLES AND M.E. HOPKINS. GEOLOGICAL SOCIETY OF AMERICA SPECIAL PAPER 114: 143-191.

THE EFFECT OF THE ENVIRONMENT OF DEPOSITION ON SEAM DEVELOPMENT, SEAM TERMINATION AND COAL COMPOSITION IS ILLUSTRATED FOR THE SYDNEY AND PICTOU COALFIELDS. FOR EACH FIELD, LITHOFACIES MAPS, REGIONAL CROSS-SECTIONS THROUGH THE SEAMS, AND PALYNOLOGICAL PETROGRAPHIC PROFILES HAVE BEEN COMPILED. IN ADDITION, DIAGRAMS SHOWING FACIES CHANGES (BASED ON PETROGRAPHY OF COLUMN SAMPLES) IN EIGHT SEAMS FROM SYDNEY ARE INCLUDED.

762

HACQUEBARD, P.A., DONALDSON, J.R. 1969. COAL METAMORPHISM AND HYDROCARBON POTENTIAL IN THE UPPER PALEOZOIC OF THE ATLANTIC PROVINCES. GEOLOGICAL SURVEY OF CANADA PAPER 69-1B: 4-7.

763

HACQUEBARD, P.A., DONALDSON, J.R. 1970. COAL METAMORPHISM AND HYDROCARBON POTENTIAL IN THE UPPER PALEOZOIC OF THE ATLANTIC PROVINCES, CANADA. CANADIAN JOURNAL OF EARTH SCIENCES 7(4): 1139-1163.

COAL RANK (AS DETERMINED BY VITRINITE REFLECTANCE) CAN BE RELATED TO HYDROCARBON PROSPECTIVITY. THE INCLUDED ISO-REFLECTANCE MAP OF THE MARITIME PROVINCES IS BASED ON REFLECTANCE DETERMINATIONS OF 178 SAMPLES OF COAL OR COALY MATERIALS AND OUTLINES AREAS WITH OIL POTENTIAL IN THE PALEOZOIC.

764

HACQUEBARD, P.A., DONALDSON, J.R. 1972. RANK STUDIES OF COALS IN THE ROCKY MOUNTAINS AND INNER FOOTHILLS BELT, CANADA. GEOLOGICAL SURVEY OF CANADA PAPER 72-1B: 9-10.

765

HACQUEBARD, P.A., DONALDSON, J.R. 1974. RANK STUDIES OF COALS IN THE ROCKY MOUNTAINS AND INNER FOOTHILLS BELT, CANADA. IN: CARBONACEOUS MATERIALS AS INDICATORS OF META-MORPHISM, ED., R.R. DUTCHER, P.A. HACQUEBARD, J.M. SCHOPF, AND J.A. SIMON. GEOLOGICAL SOCIETY OF AMERICA SPECIAL PAPER 153: 75-93.

RANK CHANGES (DETERMINED BY VITRINITE REFLECTANCE) IN TEN STRATIGRAPHIC SEQUENCES SHOW THAT COALIFICATION IN THE FOOTHILLS BELT IS PRE-OROGENIC AND NOT AFFECTED BY TECTONIC DEFORMATION. THERMAL METAMORPHISM IS CONSIDERED THE PRIMARY AGENT. THE EFFECT OF THE COALIFICATION GRADIENT ON THE AVAILABILITY OF COKING COALS IS DISCUSSED, AND THE VALUE OF RO RANK DETERMINATIONS FOR CORRELATING COAL SEAMS IS POINTED OUT.

766

HACQUEBARD, P.A., LAHIRI, K.C. 1954. PETROGRAPHIC EXAMINATION OF WASHED, SCREENED AND CRUSHED SAMPLES OF COAL FROM THE SYDNEY AND ST. ROSE COALFIELDS, NOVA SCOTIA. ECONOMIC GEOLOGY 49: 837-862.

COALS OF DIFFERENT PETROGRAPHIC COMPOSITION CAN BE PRODUCED THROUGH SPECIAL PREPARATION TECHNIQUES. SUCH COALS HAVE DIFFERENT PHYSICAL AND CHEMICAL PROPERTIES, SO CAN BE UTILIZED FOR VARIOUS PURPOSES.

767

HACQUEBARD, P.A., TIBBETTS, T.E. 1960. PRACTICAL SIGNIFICANCE OF COAL PETROGRAPHY TO COKING. IN: PROCEEDINGS OF THE DOMINION-PROVINCIAL COAL RESEARCH CONFERENCE (12TH: 1960: OTTAWA). OTTAWA: DEPARTMENT OF MINES AND TECHNICAL SURVEYS, MINES BRANCH. P.13-57. (FUELS AND MINING PRACTICE DIVISION INTERNAL REPORT FMP 61/128-PREP).

THIS PAPER CONSISTS OF TWO PARTS. IN PART I, HACQUEBARD COMPARES THE PETROGRAPHY OF AN EASTERN AND WESTERN COKING COAL WITH PHYSICO-CHEMICAL TESTS, SUCH AS GRINDABILITY. IT WAS FOUND THAT IN THESE HIGH VOLATILE "A" BITUMINOUS COALS THE INERTINITE RICH PARTS PRODUCE A STRONGER COKE. IN PART II, TIBBETTS DESCRIBES THE COKING MECHANISM AND TYPES OF LABORATORY COKING TESTS.

768

HADA; S. 1980. PRE-CARBONIFEROUS EVOLUTION OF THE NEWFOUNDLAND APPALACHIANS. GEOLOGICAL SURVEY OF CANADA PAPER 80-8. 21P. + 4 GRAPHS.

THE PRE-CARBONIFEROUS EVOLUTION OF THE NEWFOUNDLAND APPALACHIANS IS ILLUSTRATED BY STRUCTURAL AND RESTORED SECTIONS AND A STRATIGRAPHIC AND TECTONIC CORRELATION CHART.

769

HALL, B.R., KEEN, C.E., BARRETT, D.L. 1975. RESULTS OF MAGNETIC SURVEYS IN THE NEWFOUNDLAND BASIN AND THEIR INTERPRETATION [ABSTRACT]. IN: INTERNATIONAL UNION OF GEODESY AND GEOPHYSICS GENERAL ASSEMBLY (16TH: 1975: GRENOBLE, FRANCE), ABSTRACTS OF PAPERS PRESENTED AT THE INTERDISCIPLINARY ASSEMBLY. GRENOBLE: THE CONFERENCE. P.61-62.

770

HALL, J.M., BARRETT, D.L., KEEN, C.E. 1977. THE VOLCANIC LAYER OF THE OCEAN CRUST ADJACENT TO CANADA - A REVIEW. IN: VOLCANIC REGIMES IN CANADA, ED., W.R.A. BARAGAR, L.C. COLEMAN, J.M. HALL. TORONTO: GEOLOGICAL ASSOCIATION OF CANADA. P.425-444. (GEOLOGICAL ASSOCIATION OF CANADA SPECIAL PAPER 16) (BIO CONTRIBUTION NO. 800).

THIS PAPER REVIEWS THE VOLCANIC REGIMES OF OCEAN CRUST ADJACENT TO CANADA INCLUDING SEAMOUNT PROVINCES WITH EMPHASIS ON VOLCANOLOGY.

771

HALL, J., QUINLAN, G., WRIGHT, J., KEEN, C., MARILLIER, F. 1987. STYLES OF FAULTING OBSERVED ON DEEP SEISMIC REFLECTION PROFILES OF THE

APPALACHIAN-CALEDONIDE SYSTEM [ABSTRACT]. IN: INTERNATIONAL UNION OF GEODESY AND GEOPHYSICS GENERAL ASSEMBLY (19TH: 1987: VANCOUVER), ABSTRACTS. INTERNATIONAL UNION OF GEODESY AND GEOPHYSICS (IUGG). P.68.

DESCRIBES TECTONIC STYLES IN APPALACHIANS FROM DEEP SEISMIC DATA.

772

HARDY, I.A. 1974. DEPOSITIONAL HISTORY AND FACIES DISTRIBUTION OF THE TERTIARY SYSTEM ON THE SCOTIAN SHELF. GEOLOGICAL SURVEY OF CANADA PAPER 74-1B: 137-138.

AN INFORMAL LITHOSTRATIGRAPHIC SUBDIVISION IS PROPOSED FOR THE UPPER CRETACEOUS-TERTIARY BANQUEREAU FORMATION.

773

HARDY, I.A. 1975. LITHOSTRATIGRAPHY OF THE BANQUEREAU FORMATION ON THE SCOTIAN SHELF. IN: OFFSHORE GEOLOGY OF EASTERN CANADA: VOLUME 2 - REGIONAL GEOLOGY, ED., W.J.M. VAN DER LINDEN AND J.A. WADE. GEOLOGICAL SURVEY OF CANADA PAPER 74-30(2): 163-174. (BIO CONTRIBUTION NO. 555).

FROM LITHOSTRATIGRAPHIC DATA, THE UPPER CRETACEOUS-TERTIARY BANQUEREAU FORMATION IS SUBDIVIDED INTO FOUR INFORMAL UNITS: (1) THE MASKONOMET ARGILLACEOUS MUDSTONES OF CAMPANIAN TO MAASTRICHTIAN AGE, WHICH CONFORMABLY OVERLIE THE WYANDOT FORMATION; (2) THE NASKWAIK ARGILLACEOUS, GLAUCONITIC SANDSTONES AND MUDSTONES OF PALEOCENE TO EOCENE AGE; (3) THE MANHASSET ARGILLACEOUS, GLAUCONITIC SANDSTONES OF OLIGOCENE AGE; AND (4) THE ESPERANTO UNCONSOLIDATED SANDSTONES AND INTERBEDDED CLAYSTONES

774

HARDY, I.A. 1984. ATLANTIC GEOSCIENCE CENTRE QUATERNARY BIOSTRATIGRAPHIC DATABASE. IN: ANNUAL ARCTIC WORKSHOP (13TH: 1984: INSTITUTE OF ARCTIC AND ALPINE RESEARCH, BOULDER, CO). BOULDER, CO: THE WORKSHOP. P.16.

AN INTEGRATED DATA SYSTEM ORIGINALLY IMPLEMENTED BY PROGRAM SUPPORT AND EPG SUBDIVISIONS AT THE ATLANTIC GEOSCIENCE CENTRE, BIO HAS PROVED VERSATILE ENOUGH TO BOTH MANAGE AND MANIPULATE THE QUATERNARY BIOSTRATIGRAPHIC DATA DERIVED FROM THE VAST SUBSAMPLING AND CORING PROGRAM ON THE LABRADOR AND SOUTHEASTERN BAFFIN ISLAND SHELVES, EASTERN CANADA. DATA FOR OVER 150 STATIONS AND 330 METRES OF SAMPLE HAVE BEEN RECORDED TO DATE.

775

HARDY, I. 1984. QUATERNARY BIOSTRATIGRAPHIC DATABASE [ABSTRACT]. IN: ATLANTIC GEOSCIENCE SOCIETY COLLOQUIUM ON CURRENT RESEARCH IN THE ATLANTIC PROVINCES (1984: AMHERST, N.S.), ABSTRACTS. [S.L.]: THE COLLOQUIUM. P.118. (MARITIME SEDIMENTS AND ATLANTIC GEOLOGY 20(2)).

AN INTEGRATED DATA SYSTEM ORIGINALLY IMPLEMENTED BY PROGRAM SUPPORT AND EASTERN PETROLEUM GEOLOGY SUBDIVISIONS AT AGC HAS PROVEN VERSATILE ENOUGH TO BOTH MANAGE AND MANIPULATE THE QUATERNARY BIOSTRATIGRAPHIC DATA DERIVED FROM THE VAST SUBSAMPLING AND CORING PROGRAM ON THE LABRADOR AND SOUTHEASTERN BAFFIN ISLAND SHELVES.

776

HARDY, I.A., FISHER, L.E. 1985. MARINE SAMPLES: DATA BASE MANAGEMENT AND SUPPORTIVE GRAPHICS AT THE ATLANTIC GEOSCIENCE CENTRE [POSTER]. IN: ARCTIC LAND-SEA INTERACTION; ARCTIC WORKSHOP (14TH: 1985: BEDFORD INSTITUTE OF OCEANOGRAPHY, DARIMOUTH, N.S.), [COMP., G.M. VILKS AND J.P.M. SYVITSKI. DARIMOUTH, N.S.: THE WORKSHOP]. P.193. (GEOLOGICAL SURVEY OF CANADA OPEN FILE 1223).

AGC AT BIO HAS CONDUCTED MORE THAN 175 MARINE SEDIMENT SAMPLING CRUISES ONBOARD CANADIAN SCIENTIFIC SURVEY VESSELS OVER THE PAST 20 YEARS. ALL AGC SAMPLE HOLDINGS ARE PRESENTLY STORED IN A SAMPLE INFORMATION DATA BASE. PLOTS IN SEVERAL DIFFERENT PROJECTIONS ARE AVAILABLE UPON REQUEST. THE 1984 AND 1985 CRUISE STATION INFORMATION IS ALSO NOW AVAILABLE THROUGH THE MARINE CORE CURATORS DATA BASE, AN INTERACTIVE INFORMATION DATA BASE OPERATED BY THE NATIONAL GEOPHYSICAL DATA CENTRE.

777

HARDY, I.A., FISHER, L.E. 1987. AN INDEX TO SAMPLES COLLECTED BY THE ATLANTIC GEOSCIENCE CENTRE FOR 1986. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1413. 67P.

IN 1986, 13 SAMPLING CRUISES AND 3 FIELD PROGRAMS CONDUCTED BY OR FOR ATLANTIC GEOSCIENCE CENTRE STAFF OBTAINED SAMPLES FROM MORE THAN 626 LOCATIONS OFF THE EAST COAST OF CANADA AND HIGH ARCTIC, AND FROM FIELD PARTIES CONDUCTED ON ONSHORE EASTERN CANADA. AN INDEX TO THE SITE SPECIFIC INFORMATION FOR THESE HOLDINGS IS NOW AVAILABLE FOR DISTRIBUTION.

778

HARDY, I.A., FISHER, L.E., HOLT, D.R., GILES, J.M. 1986. A LISTING OF SAMPLES COLLECTED BY THE ATLANTIC GEOSCIENCE CENTRE FOR 1985. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1314. 101P.

DURING A NINE MONTH PERIOD IN 1985, STAFF AT THE ATLANTIC GEOSCIENCE CENTRE ACQUIRED MORE THAN 1400 CORE, DREDGE AND GRAB SAMPLES FROM THE HIGH ARCTIC ICE ISLAND, BEAUFORT SEA, ARCTIC ISLAND CHANNELS, BAFFIN BAY, EASTERN CANADIAN OFFSHORE SHELVES AND ONSHORE BEACHES, AND HUDSON STRAIT AREAS FROM SOME 30 FIELD PROGRAMS. THE SITE SPECIFIC INFORMATION REGARDING THESE SAMPLES IS NOW AVAILABLE FOR DISTRIBUTION IN AN INDEX FORMAT.

779

HARDY, I.A. (COMP.), FISHER, L.E. (COMP.), HOLT, D.R. (COMP.), LANGDON, D.R. (COMP.) 1986. INDEX TO SAMPLES COLLECTED BY THE ATLANTIC GEOSCIENCE CENTRE. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1198. 1V.

IN 1984 MORE THAN 14 SAMPLING CRUISES ONBOARD CANADIAN SCIENTIFIC SURVEY VESSELS AND 7 FIELD PROGRAMS WERE CONDUCTED BY STAFF AT THE ATLANTIC GEOSCIENCE CENTRE. THE RESULTING 494 SAMPLE LOCATIONS ARE NOW AVAILABLE IN INDEX FORMAT FOR DISTRIBUTION.

780

HARDY, I.A., FISHER, L., MACGILLIVARY, T. 1986. A COMPILATION OF PLANKTONIC AND BENTHONIC FORAMINIFERAL SPECIES: CRUISE CSS HUDSON 82-034, SOUTHEAST BAFFIN SHELF. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1333. 1V.

THE FORAMINIFERAL DATA CONTAINED IN THIS REPORT ARE FROM TWO VAN VEEN, FOUR IKU GRABS, FIVE GRAVITY CORES AND SIX PISTON CORES COLLECTED ON THE HUDSON SAMPLING CRUISE 82-034 TO BAFFIN BAY AND DAVIS STRAIT BY SENIOR SCIENTIST, B. MACLEAN, SEPTEMBER 24 - OCTOBER 18, 1982.

781

HARDY, I.A., HOWIE, R.D. 1987. OSWELL - INDEX OF SAMPLE CUTTINGS AND CORES AT THE ATLANTIC GEOSCIENCE CENTRE, OF BOREHOLES COMPLETED IN THE ONSHORE EASTERN CANADA. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1414: 85P.

THE OSWELL DATA BASE WAS DEVELOPED UNDER CONTRACT BY DATA SECTION, PROGRAM SUPPORT SUBDIVISION AT THE ATLANTIC GEOSCIENCE CENTRE TO PROVIDE AN ACCURATE AND DETAILED ACCOUNT OF THE 815 BOREHOLES AND ONSHORE WELLS PRESENTLY CURATED AT THE BEDFORD INSTITUTE OF OCEANOGRAPHY. A CATALOGUE OF THESE HOLDINGS IS NOW AVAILABLE IN AN INDEX FORMAT FOR DISTRIBUTION.

782

HARDY, I.A., JACKSON, A.E. 1980. A COMPILATION OF GEOCHEMICAL DATA: EAST COAST EXPLORATORY WELLS. GEOLOGICAL SURVEY OF CANADA OPEN FILE 694. 9P. + UNPAGED APPENDICES.

783

HARDY, I.A., LANGDON, D.R., FRICKER, A., HOLT, D.R. 1985. SID WAS CONCEIVED DURING THE APPALACHIAN OROGENY [ABSTRACT]. IN: TECTONIC MODELS FOR THE EVOLUTION OF THE APPALACHIAN REGION; ABSTRACTS, ATLANTIC GEOSCIENCE SOCIETY 1985 SYMPOSIUM. MARITIME SEDIMENTS AND ATLANTIC GEOLOGY 21(1/3): 44.

MORE THAN 30,000 MARINE GEOLOGICAL SOFT-SEDIMENT SAMPLES THAT WERE ONCE SITED IN THE APPALACHIANS ARE PRESENTLY CURATED AT THE ATLANTIC GEOSCIENCE CENTRE. INFORMATION REGARDING THESE SAMPLES IS STORED IN A SAMPLE INVENTORY DATABASE CALLED SID.

784

HARDY, I.A., SHERIN, A.G. 1987. WHAT VALUE OLD DATA?. PROCEEDINGS, THE OCEANS - AN INTERNATIONAL WORKPLACE 3: 1079-1084. (GEOLOGICAL SURVEY OF CANADA CONTRIBUTION 18487).

THE VALUATION OF DATA AND THE FACTORS WHICH INCREASE AND DECREASE THE VALUE OF DATA ARE DISCUSSED WITH ILLUSTRATIVE EXAMPLES FROM AGC'S EXPERIENCE. THE TYPES AND LEVELS OF RESOURCES REQUIRED FOR GOOD DATA MANAGEMENT ARE ALSO DISCUSSED.

785

HARDY, I.A., UMPLEBY, D.C. 1976. LITHOSTRATIGRAPHY OF THE LABRADOR SHELF. GEOLOGICAL SURVEY OF CANADA PAPER 76-1B: 31-36.

FROM THE LITHOSTRATIGRAPHIC STUDY OF THE MESOZOIC-CENOZOIC SEDIMENTS OF THREE WELLS DRILLED ON THE LABRADOR SHELF, AN INFORMAL SUBDIVISION IS PROPOSED. THE LITHOSTRATIGRAPHY IS BASED ON THE MICROSCOPIC EXAMINATION OF DITCH CUTTINGS, AND CORRELATION TO MECHANICAL LOGS. THE DEPOSITIONAL HISTORY IS ALSO DISCUSSED.

786

HARPER, J.R., BLASCO, S.M., HILL, P.R. 1983. MODERN SEDIMENT DISPERSAL AND HOLOCENE SEDIMENT BUDGET OF THE CANADIAN BEAUFORT SEA [ABSTRACT]. GEOLOGICAL ASSOCIATION OF CANADA/MINERALOGICAL ASSOCIATION OF CANADA/CANADIAN GEOPHYSICAL UNION PROGRAM WITH ABSTRACTS 8: A30.

787

HARPER, J.R., REIMER, P.D., COLLINS, A.D. 1988. CANADIAN BEAUFORT SEA; PHYSICAL SHORE-ZONE ANALYSIS. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1689. 105 P.; 125 MAPS.

THIS UNEDITED OPEN-FILE REPORT PRESENTS A DESCRIPTION OF COASTAL MORPHOLOGY AND A REVIEW OF PHYSICAL PROCESSES OPERATING ALONG THE CANADIAN BEAUFORT SEA COAST, TOGETHER WITH AN EXTENSIVE SET OF COASTAL RECESSION DATA DERIVED FROM MEASUREMENTS ON UNRECTIFIED AIR PHOTOGRAPHS. THE STUDY AREA HAS BEEN SUBDIVIDED INTO 12 LOCALITIES WITH DISTINCTIVE SHORE-ZONE CHARACTERISTICS. THE AREAS OF MOST RAPID COASTAL EROSION HAVE BEEN IDENTIFIED.

788

HARRIS, I.M. 1971. ANOMALOUS QUARTZ AND CALCITE BODIES IN THE GOLDENVILLE FORMATION, TAYLOR HEAD, NOVA SCOTIA. MARITIME SEDIMENTS 7(3): 123-125.

BODIES OF QUARTZ AND CALCITE FROM 2 MM TO 20 MM IN LENGTH IN METASEDIMENTARY FLYSCHOID ROCKS OF THE GOLDENVILLE FORMATION AT TAYLOR HEAD, NOVA SCOTIA HAVE EXTRAORDINARY SHAPES AND A PROBLEMATIC ORIGIN.

789

HARRIS, I.MCK. 1974. ICEBERG MARKS ON THE LABRADOR SHELF. IN: OFFSHORE GEOLOGY OF EASTERN CANADA: VOLUME 1 - CONCEPTS AND APPLICATIONS OF ENVIRONMENTAL MARINE GEOLOGY, ED., B.R. PELLETIER. GEOLOGICAL SURVEY OF CANADA PAPER 74-30(1): 97-101. (BIO CONTRIBUTION NO. 444).

SONAR DEPTH-SOUNDING AND SIDE-SCANNING RESULTS INDICATE THAT MARKS FORMED BY THE DRAGGING OF ICEBERGS OVER THE SEA BOTTOM ARE WIDESPREAD BUT NOT UNIFORMLY DISTRIBUTED ON THE CONTINENTAL SHELF AND UPPER CONTINENTAL SLOPE OFF LABRADOR AND NORTHEASTERN NEWFOUNDLAND.

790

HARRIS, I.MCK. 1975. SOCIETY OF ECONOMIC PALEONTOLOGISTS AND MINERALOGISTS (EASTERN SECTION) FIELD TRIP (1975): INTRODUCTION AND ITINERARY. MARITIME SEDIMENTS 11(1): 9-15.

THIS PAPER INTRODUCES THE GUIDEBOOK FOR THE EASTERN SECTION S.E.P.M. FIELD TRIP (1975), SUMMARIZES THE REGIONAL GEOLOGY OF NOVA SCOTIA, AND PROVIDES

A GEOGRAPHIC GUIDE TO THE FIELD STOPS.

791

HARRIS, I.M., JOLLYMORE, P.G. 1974. ICEBERG FURROW MARKS ON THE CONTINENTAL SHELF NORTHEAST OF BELLE ISLE, NEWFOUNDLAND. CANADIAN JOURNAL OF EARTH SCIENCES 11(1): 43-52. (BIO CONTRIBUTION NO. 374).

SIDE-SCAN SONAR IMAGERY INDICATES THE PRESENCE OF NUMEROUS ICEBERG FURROW MARKS ON THE CONTINENTAL SHELF NORTHEAST OF BELLE ISLE, NEWFOUNDLAND.

792

HARRIS, I. MCK., SCHENK, P.E. 1975. THE MEGUMA GROUP. MARITIME SEDIMENTS 11(1): 25-46.

793

HARRISON, P.H. 1985. VITRINITE REFLECTANCE (RO) ON THE DISPERSED ORGANICS IN THE AMOCO IMP SKELLY EGRET N-46. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1170. IV. (REPORT EPGS-DOM.31-84 PHH).

THE FOLLOWING MATURATION LEVELS WERE DETERMINED FOR AMOCO IMP SKELLY EGRET N-46: %RO DEPTH IN FEET 0.5 4600 DETERMINED 0.6 5750 DETERMINED 1.0 9000 DETERMINED.

794

HAWORTH, R.T. 1974. GRAVITY AND MAGNETIC NATURAL RESOURCE MAPS (1972), OFFSHORE EASTERN CANADA: PHILOSOPHY AND TECHNIQUE IN PREPARATION BY COMPUTER. INTERNATIONAL HYDROGRAPHIC REVIEW 51(1): 131-155. (BIO CONTRIBUTION 453).

DISCUSSION OF THE BASIC LIMITATIONS IN THE USE OF A CONTOUR MAP PRECEEDS A TECHNICAL DISCUSSION OF THE MAP PRODUCTION METHOD. DEFICIENCIES ARE NOTED IN THE DATA COLLECTION, PROCESSING AND CHART PREPARATION TECHNIQUES.

795

HAWORTH, R.T. 1974. NATURAL RESOURCE MAP PREPARATION AND POTENTIAL FIELD DATA INTERPRETATION. GEOLOGICAL SURVEY OF CANADA PAPER 74-60: 83.

796

HAWORTH, R.T. 1975. PALZOZOIC CONTINENTAL COLLISION IN THE NORTHERN APPALACHIANS IN LIGHT OF GRAVITY AND MAGNETIC DATA IN THE GULF OF ST LAWRENCE. IN: OFFSHORE GEOLOGY OF EASTERN CANADA: VOLUME 2 - REGIONAL GEOLOGY, ED., W.J.M. VAN DER LINDEN AND J.A. WADE. GEOLOGICAL SURVEY OF CANADA PAPER 74-30(2): 1-10. (BIO CONTRIBUTION NO. 554).

797

HAWORTH, R.T. 1975. THE DEVELOPMENT OF ATLANTIC CANADA AS A RESULT OF CONTINENTAL COLLISION - EVIDENCE FROM OFFSHORE GRAVITY AND MAGNETIC DATA. IN: CANADA'S CONTINENTAL MARGINS AND OFFSHORE PETROLEUM EXPLORATION, ED., C.J. YORATH, E.R. PARKER AND D.J. GLASS. CALGARY: CANADIAN SOCIETY OF PETROLEUM GEOLOGISTS IN ASSOCIATION WITH THE GEOLOGICAL ASSOCIATION OF CANADA. P.59-77. (CANADIAN SOCIETY OF PETROLEUM GEOLOGISTS MEMOIR 4) (BIO CONTRIBUTION NO. 529).

CRUDE SAND MODELS SIMULATING MID-PALEOZOIC COLLISION BETWEEN A STEPPED NORTH AMERICAN AND A STRAIGHT EDGED AFRICAN CONTINENT DEVELOP TRANSCURRENT FAULTS PARALLEL TO THE COLLIDING MARGINS AND IN THE DIRECTION OF THEIR APPROACH. THE PROMINENT COLLECTOR ANOMALY TRACES THE LATTER FAULT SYSTEM, AND ITS TRIBUTARIES OUTLINE THE DEFORMATION OF EASTERN NEWFOUNDLAND AND ADJACENT MARINE AREAS.

798

HAWORTH, R.T. 1976. GEOLOGY NORTHEAST OF NEWFOUNDLAND [ABSTRACT]. MARITIME SEDIMENTS 12(1): 36.

799

HAWORTH, R.T. 1976. GRAVITY, 3. ATLANTIC GEOSCIENCE CENTRE [SURVEYS 1976]. CANADIAN GEOPHYSICAL BULLETIN 29: 21-22.

THE ACTIVITIES OF AGC RELATED TO GRAVITY MEASUREMENTS ARE SUMMARIZED.

800

HAWORTH, R.T. 1977. APPALACHIAN STRUCTURAL TRENDS NORTHEAST OF NEWFOUNDLAND AS DELINEATED BY DETAILED SEISMIC REFLECTION, MAGNETIC AND GRAVITY SURVEY [ABSTRACT]. GEOLOGICAL SOCIETY OF AMERICA, ABSTRACTS WITH PROGRAMS 9(3): 273.

THE CENTRAL MOBILE BELT OF NEWFOUNDLAND TRENDS NORTHWARD OFFSHORE WHILE THE AVALON ZONE TRENDS EASTWARD THEREBY INVALIDATING SOME OF THE EARLIER CONCLUSIONS REGARDING PRE-CONTINENTAL DRIFT, TRANS-ATLANTIC CORRELATIONS.

801

HAWORTH, R.T. 1977. THE CONTINENTAL CRUST NORTHEAST OF NEWFOUNDLAND AND ITS ANCESTRAL RELATIONSHIP TO THE CHARLIE FRACTURE ZONE. NATURE 266(5599): 246-249. (BIO CONTRIBUTION NO. 628).

THE OFFSHORE EXTENSION OF NEWFOUNDLAND'S DOVER FAULT PROVIDED THE LINE OF WEAKNESS FOR DEVELOPMENT OF THE CHARLIE (GIBBS) FRACTURE ZONE, AND CONTROLLED THE SUBSIDENCE OF THE NORTHEAST NEWFOUNDLAND SHELF. MAGNETIC TRENDS ON THE SHELF ARE ALIGNED WITH HERCYNIAN TRENDS IN EUROPE.

802

HAWORTH, R.T. 1978. AN INTERACTIVE GRAPHICS APPROACH TO THE COMBINED INTERPRETATION OF GRAVITY AND MAGNETIC DATA [ABSTRACT]. EOS; TRANSACTIONS, AMERICAN GEOPHYSICAL UNION 59(12): 1032.

803

HAWORTH, R.T. 1978. INTERPRETATION OF GEOPHYSICAL DATA IN THE NORTHERN GULF OF ST. LAWRENCE AND ITS RELEVANCE TO LOWER PALEOZOIC GEOLOGY. GEOLOGICAL SOCIETY OF AMERICA BULLETIN 89(7): 1091-1110. (BIO CONTRIBUTION NO. 770).

804

HAWORTH, R.T. 1979. MAGNETIC AND BOUGUER GRAVITY ANOMALY COMPILATIONS FOR THE APPALACHIANS. GEOLOGICAL SURVEY OF CANADA OPEN FILE 615. 15P.

MAGNETIC ANOMALY AND BOUGUER ANOMALY MAPS OF THE APPALACHIANS ARE

PRESENTED WITH, AND AT THE SAME 1:1,000,000 SCALE AS WILLIAMS' TECTONIC LITHOFACIES MAP OF THE APPALACHIANS.

805

HAWORTH, R.T. 1980. APPALACHIAN STRUCTURAL TRENDS NORTHEAST OF NEWFOUNDLAND AND THEIR TRANS-ATLANTIC CORRELATION. TECTONOPHYSICS 64(1/2): 111-130.

THE TRENDS OF THE APPALACHIAN SYSTEM ON THE CONTINENTAL SHELF ARE CORRELATED WITH EUROPE AND SUGGEST A MAJOR FLEXURE OF THE SYSTEM OFF SOUTHERN LABRADOR.

806

HAWORTH, R.T. 1980. GEOPHYSICAL ELEMENTS OF THE CANADIAN APPALACHIANS: AN AID TO INTERPOLATION BETWEEN THE STRUCTURE OF THE CALEDONIDES OF THE USA AND EUROPE [ABSTRACT]. IN: PROCEEDINGS, "THE CALEDONIDES IN THE USA", ED., D.R. WONES. BLACKSBURG VA: VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY. P.A12. (VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY, DEPARTMENT OF GEOLOGICAL SCIENCES MEMOIR 2).

807

HAWORTH, R.T. 1981. APPALACHIAN DEVELOPMENT IN LIGHT OF PALEOMAGNETICALLY DERIVED AND GEOLOGICALLY INTERPRETED PLATE MOTIONS DURING THE EARLY PALEOZOIC [ABSTRACT]. IN: INTERNATIONAL UNION OF GEODESY AND GEOPHYSICS GENERAL ASSEMBLY (17TH: 1979: CANBERRA, AUSTRALIA), INTERDISCIPLINARY SYMPOSIA, ABSTRACTS. THE CONGRESS. P. 506.

PALEOMAGNETIC INTERPRETATIONS OF EARLY PALEOZOIC PALEO GEOGRAPHY ARE IN CONFLICT WITH GEOLOGICAL INTERPRETATIONS, LEADING TO SUSPICIONS ABOUT THE BASIS FOR EACH METHOD.

808

HAWORTH, R.T. 1981. EXTENSION OF APPALACHIAN TRENDS BENEATH THE EASTERN CANADIAN CONTINENTAL MARGIN [ABSTRACT]. GEOLOGICAL SOCIETY OF AMERICA, ABSTRACTS WITH PROGRAMS 13(3): 137.

809

HAWORTH, R.T. 1981. GEOPHYSICAL EXPRESSION OF APPALACHIAN-CALEDONIDE STRUCTURES ON THE CONTINENTAL MARGINS OF THE NORTH ATLANTIC. IN: GEOLOGY OF THE NORTH ATLANTIC BORDERLANDS, ED., J.W. KERR AND A.J. FERGUSON. CALGARY: CANADIAN SOCIETY OF PETROLEUM GEOLOGISTS. P.429-446. (CANADIAN SOCIETY OF PETROLEUM GEOLOGISTS MEMOIR 7).

THE TRANS ATLANTIC CORRELATION BETWEEN GRENVILLE, AVALON AND PALEOZOIC OCEANIC ROCKS ON THE CANADIAN AND EUROPEAN MARGINS IS SUMMARIZED.

810

HAWORTH, R.T. 1982. THE CONTINENTAL MARGIN: EASTERN CANADA. IN: PERSPECTIVES IN REGIONAL GEOLOGICAL SYNTHESIS PLANNING FOR THE GEOLOGY OF NORTH AMERICA, ED., A.R. PALMER. DENVER: GEOLOGICAL SOCIETY OF AMERICA. P.133-142. (DNAG SPECIAL PUBLICATION 1).

811

HAWORTH, R.T., GRANT, A.C., FOLINSBEE, R.A. 1976. GEOLOGY OF THE CONTINENTAL SHELF OFF SOUTHEASTERN LABRADOR. GEOLOGICAL SURVEY OF CANADA PAPER 76-1C: 61-70.

SURVEY OPERATIONS AS DESCRIBED BELOW IN HAWORTH ET AL. (1976) WERE EXTENDED NORTHWARD IN 1976, AND THE GEOLOGICAL MAP WAS EXTENDED ACCORDINGLY.

812

HAWORTH, R.T., JACOBI, R.D. 1983. GEOPHYSICAL CORRELATION BETWEEN THE GEOLOGICAL ZONATION OF NEWFOUNDLAND AND THE BRITISH ISLES. IN: CONTRIBUTIONS TO THE TECTONICS AND GEOPHYSICS OF MOUNTAIN CHAINS, ED., R.D. HATCHER JR., H. WILLIAMS, AND I. ZIETZ. BOULDER, CO: GEOLOGICAL SOCIETY OF AMERICA. P.25-32. (GEOLOGICAL SOCIETY OF AMERICA MEMOIR 158).

813

HAWORTH, R.T., KEEN, C.E. 1978. THE CANADIAN ATLANTIC CONTINENTAL MARGIN AS AN INDICATOR OF POSSIBLE VARIATIONS IN THE STRUCTURAL STYLE OF CONTINENTAL MARGINS, PAST AND PRESENT [ABSTRACT]. IN: CRUSTAL PROPERTIES ACROSS PASSIVE MARGINS, INTER-UNION COMMISSION ON GEODYNAMICS, COMMISSION ON MARINE GEOLOGY, PROGRAM AND ABSTRACTS. HALIFAX, NS: THE SYMPOSIUM. P.16.

814

HAWORTH, R.T., KEEN, C.E. 1979. THE CANADIAN ATLANTIC MARGIN: A PASSIVE CONTINENTAL MARGIN ENCOMPASSING AN ACTIVE PAST. IN: CRUSTAL PROPERTIES ACROSS PASSIVE MARGINS, ED., C.E. KEEN. TECTONOPHYSICS 59(1-4): 83-126. (INTER-UNION COMMISSION ON GEODYNAMICS SCIENTIFIC REPORT 51) (BIO CONTRIBUTION NO. 878) ALSO PUBLISHED IN: CRUSTAL PROPERTIES ACROSS PASSIVE MARGINS: SELECTED PAPERS FROM THE SYMPOSIUM (1978: HALIFAX, N.S.), ED., C.E. KEEN. AMSTERDAM: ELSEVIER, P.139-150. (DEVELOPMENTS IN GEOTECTONICS 15).

THE CANADIAN ATLANTIC MARGIN TODAY SHOWS THE WIDE VARIETY OF PROPERTIES OF A PASSIVE MARGIN BUT THE CRATON THAT FORMS THAT MARGIN WAS CREATED BY A VERY ACTIVE PAST INVOLVING PHASES OF SUBDUCTION.

815

HAWORTH, R.T., KEEN, C., WILLIAMS, H. 1982. EVOLUTION OF NORTHERN APPALACHIANS AND ATLANTIC MARGIN [ABSTRACT]. GEOLOGICAL SOCIETY OF AMERICA, ABSTRACTS WITH PROGRAMS 14(7): 511.

816

HAWORTH, R.T., KEEN, C., WILLIAMS, H. 1982. NORTHERN APPALACHIANS AND ATLANTIC MARGIN: TRANSECT D1 [ABSTRACT]. GEOLOGICAL SOCIETY OF AMERICA, ABSTRACTS WITH PROGRAMS 14(7): 511.

817

HAWORTH, R.T., KEEN, C.E., WILLIAMS, H. 1983. A CROSS-SECTION OF THE CANADIAN APPALACHIANS [ABSTRACT]. IN: INTERNATIONAL UNION OF GEODESY AND GEOPHYSICS GENERAL ASSEMBLY (18TH: 1983: HAMBURG, GERMANY), INTER-UNION

COMMISSION ON THE LITHOSPHERE, PROGRAMME AND ABSTRACTS. HAMBURG: THE CONFERENCE. P.73.

818

HAWORTH, R.T., LEFORT, J.P. 1977. ETUDE GEOPHYSIQUE DES FRACTURES DU SOCLE SUBMERGE A L'OUEST DE L'EUROPE ET A L'EST DU CANADA [ABSTRACT] - FRACTURATION TARDI-HERCYNIEUNE ET CORRELATIONS TRANSATLANTIQUES. IN: REUNION ANNUELLE DES SCIENCES DE LA TERRE (5E: 1977: RENNES, FRANCE). PARIS: LA CONFERENCE. P.269.

LATE CARBONIFEROUS FRACTURES OF THE NORTH AMERICAN AND EUROPEAN (IBERIAN) PLATES PROVIDE CONSTRAINTS ON THE OPENING OF THE NORTH ATLANTIC.

819

HAWORTH, R.T., LEFORT, J.P. 1979. GEOPHYSICAL EVIDENCE FOR THE EXTENT OF THE AVALON ZONE IN ATLANTIC CANADA. CANADIAN JOURNAL OF EARTH SCIENCES 16(3/PART 1): 552-567. (BIO CONTRIBUTION NO. 844).

MAGNETIC ANOMALY PATTERNS ASSOCIATED WITH THE VOLCANIC ROCKS OF THE AVALON ZONE ALLOW THE EXTENT OF THAT ZONE TO BE MAPPED THROUGHOUT THE WATER COVERED AREAS OF ATLANTIC CANADA.

820

HAWORTH, R.T., LEFORT, J.P., MILLER, H.G. 1978. GEOPHYSICAL EVIDENCE FOR AN EAST-DIPPING APPALACHIAN SUBDUCTION ZONE BENEATH NEWFOUNDLAND. GEOLOGY 6(9): 522-526. (BIO CONTRIBUTION NO. 771).

SHERIDAN AND DRAKE'S (1968) REFRACTION DATA SUPPORTED BY AGC GEOPHYSICAL AND GEOLOGICAL DATA SHOW THAT AN ULTRAMAFIC LAYER DIPS SOUTHEASTWARD BENEATH NEWFOUNDLAND.

821

HAWORTH, R.T., LEFORT, J.P., MILLER, H.G. 1979. 'GEOPHYSICAL EVIDENCE FOR AN EAST-DIPPING APPALACHIAN SUBDUCTION ZONE BENEATH NEWFOUNDLAND' -REPLY. GEOLOGY 7(10): 471-473.

THE QUESTIONS OF OUR MODEL RAISED BY CURRIE ET AL. ARE AS UNANSWERABLE AS BY ANY OTHER MODEL EXISTING, BUT OUR MODEL HAS ANSWERED OTHER QUESTIONS. CURRIE'S QUESTIONS DO NOT REFUTE THE MODEL BUT RATHER QUESTION OUR KNOWLEDGE OF THE PROCESSES.

822

HAWORTH, R.T., LONCAREVIC, B.D. 1974. INVERSE FILTER APPLIED TO THE OUTPUT OF AN ASKANIA GSS-2 SEA GRAVIMETER. GEOPHYSICS 39(6): 852-861. (BIO CONTRIBUTION NO. 473).

THE WEIGHTING FUNCTION TECHNIQUE USED BY THE ATLANTIC GEOSCIENCE CENTRE BY WHICH PHASE AND AMPLITUDE OF GRAVITY MEASUREMENTS ARE RESTORED SAVES A CONSIDERABLE AMOUNT OF DATA.

823

HAWORTH, R.T., MACINTYRE, J.B. 1975. THE GRAVITY AND MAGNETIC FIELDS OF ATLANTIC

OFFSHORE CANADA. GEOLOGICAL SURVEY OF CANADA PAPER 75-9. 22P. (MARINE SCIENCES PAPER 16) (BIO CONTRIBUTION NO. 511).

BOUGUER GRAVITY ANOMALY AND MAGNETIC ANOMALY MAPS COMPATIBLE WITH CHS BATHYMETRIC MAPS 801 AND 802 HAVE BEEN COMPILED FOR THE AREA 42 DEGREES N TO 50 1/2 DEGREES N 43 DEGREES W TO 68 DEGREES W. THE MAPS REFLECT MAJOR FLEXED LINEATIONS ASSOCIATED WITH THE APPALACHIAN FRONT AND THE DEFORMATION OF THE AVALON PLATFORM, POSSIBLY RESULTING FROM PALEOZOIC CONTINENTAL COLLISION.

824

HAWORTH, R.T., MACINTYRE, J.B. 1977. GRAVITY AND MAGNETIC FIELDS OF THE GULF OF ST. LAWRENCE, CANADA. GEOLOGICAL SURVEY OF CANADA PAPER 75-42. 11P. + 2 MAPS. (MARINE SCIENCES PAPER 15) (BIO CONTRIBUTION NO. 634).

825

HAWORTH, R.T., MACNAB, R.F. 1973. GRAVITY AND MAGNETIC DATA-ATLANTIC CONTINENTAL MARGIN. GEOLOGICAL SURVEY OF CANADA OPEN FILE 183. 51P.

THE OPEN FILE RELEASES OF ALL DIGITAL DATA USED IN THE PREPARATION OF NATURAL RESOURCE SERIES MAPS UP TO AND INCLUDING THE MINNA 1972 CRUISE.

826

HAWORTH, R.T., MILLER, H.G. 1979. SUBSURFACE STRUCTURE OF PALEOZOIC OCEANIC ROCKS IN NOTRE DAME BAY, NEWFOUNDLAND [ABSTRACT]. GEOLOGICAL ASSOCIATION OF CANADA - MINERALOGICAL ASSOCIATION OF CANADA JOINT ANNUAL MEETING, PROGRAM WITH ABSTRACTS 4: 56.

827

HAWORTH, R.T., MILLER, H.G. 1982. THE STRUCTURE OF PALEOZOIC OCEANIC ROCKS BENEATH NOTRE DAME BAY, NEWFOUNDLAND. IN: MAJOR STRUCTURAL ZONES AND FAULTS OF THE NORTHERN APPALACHIANS, ED., P. ST. JULIEN AND J. BELAND. GEOLOGICAL ASSOCIATION OF CANADA SPECIAL PAPER 24: 149-173.

828

HAWORTH, R.T., POOLE, W.H., GRANT, A.C., SANFORD, B.V. 1976. MARINE GEOSCIENCE SURVEY NORTHEAST OF NEWFOUNDLAND. GEOLOGICAL SURVEY OF CANADA PAPER 76-1A: 7-15.

BATHYMETRIC, MAGNETIC, GRAVITY AND SEISMIC DATA WERE COLLECTED ALONG EAST-WEST TRANSECTS OF NORTHEAST NEWFOUNDLAND. POTENTIAL DRILLING SITES WERE DEFINED BY THE AIR GUN SEISMIC DATA, AND WERE EXAMINED CLOSELY BY THE DEEP-TOW (HUNTEC) PROFILER SYSTEM. SEVERAL OF THE ROCK UNITS INTERPRETED FROM GEOPHYSICAL DATA WERE SAMPLED BY DRILLING. THE DATA WAS USED TO COMPILE A GEOLOGICAL MAP FOR THE AREA.

829

HAWORTH, R.T., SANFORD, B.V. 1976. PALEOZOIC GEOLOGY OF NORTHEAST GULF OF ST. LAWRENCE. GEOLOGICAL SURVEY OF CANADA PAPER 76-1A: 1-6.

BEDROCK SAMPLES FROM MORPHOLOGICAL FEATURES SURVEYED WITH THE HUNTEC HIGH RESOLUTION SEISMIC SYSTEM HAVE PROVIDED ADDITIONAL GEOLOGICAL CONTROL FOR

THE INTERPRETATION OF SEISMIC REFLECTION DATA IN THE NORTHEAST GULF OF ST. LAWRENCE. A PRELIMINARY GEOLOGICAL MAP IS PRESENTED.

830

HAWORTH, R.T., WELLS, I. 1980. INTERACTIVE COMPUTER GRAPHICS METHOD FOR THE COMBINED INTERPRETATION OF GRAVITY AND MAGNETIC DATA. MARINE GEOPHYSICAL RESEARCHES 4(3): 277-290. (BIO CONTRIBUTION NO. 1017).

TWO DIMENSIONAL INTERPRETATIONS OF GRAVITY AND MAGNETIC DATA ARE CARRIED OUT MORE EFFICIENTLY USING THIS NEW INTERACTIVE GRAPHICS APPROACH.

831

HAWORTH, R.T., WILLIAMS, H., KEEN, C.E. 1985. NORTH AMERICAN CONTINENT-OCEAN TRANSECTS PROGRAM, TRANSECT D1: NORTH APPALACHIAN MOUNTAINS ACROSS NEWFOUNDLAND TO SOUTH LABRADOR SEA. BOULDER, CO: GEOLOGICAL SOCIETY OF AMERICA. 9P. & 2 CHARTS. (CONTINENT-OCEAN TRANSECT D1) (CENTENNIAL CONTINENT/OCEAN TRANSECT 1).

832

HAY, A.E., HEFFLER, D. 1984. DESIGN CONSIDERATIONS FOR AN ACOUSTIC SEDIMENT TRANSPORT MONITOR FOR THE NEARSHORE ZONE. OTTAWA: NATIONAL RESEARCH COUNCIL CANADA, ASSOCIATE COMMITTEE FOR RESEARCH ON SHORELINE EROSION AND SEDIMENTATION. 37P. (CANADIAN COASTAL SEDIMENT STUDY C2S2 = ETUDE CANADIENNE DES SEDIMENTS LITTORAUX ECSL, REPORT C2S2-4).

833

HAYES, D.E., FRAKES, L.A., BARRETT, P.J., BURNS, D.A., CHEN, P.-H., FORD, A.B., KANEPS, A.G., KEMP, E.M., MCCOLLUM, D.W., PIPER, D.J.W., WALL, R.E., WEBB, P.N. 1975. SHIPBOARD SITE REPORTS: SITES 264-274. IN: INITIAL REPORTS OF THE DEEP SEA DRILLING PROJECT, D.E. HAYES, L.A. FRAKES, ET AL. WASHINGTON: U.S.GOVERNMENT PRINTING OFFICE. V.28:5-433.

834

HAYES, D.E., FRAKES, L.A., BARRETT, P., BURNS, D.A., CHEN, P.-H., FORD, A.B., KANEPS, A.G., KEMP, E.M., PIPER, D.J.W., WALL, R.E., WEBB, P.N. 1973. LEG 28 DEEP-SEA DRILLING IN THE SOUTHERN OCEAN. GEOTIMES 18(6): 19-24.

835

HEAD, M.J., NORRIS, G., MUDIE, P.J., ET AL. 1987. MIOCENE PALYNOLOGY OF ODP SITE 645, LEG 105, BAFFIN BAY [ABSTRACT]. IN: THE AMERICAN ASSOCIATION OF STRATIGRAPHIC PALYNOLOGISTS ANNUAL MEETING (20TH: 1987: HALIFAX), PROGRAMME AND ABSTRACTS. THE AMERICAN ASSOCIATION OF STRATIGRAPHIC PALYNOLOGISTS INC. P.90.

836

HEFFLER, D.E. 1974. A TIMING CORRECTION FOR REAL TIME SEISMIC SIGNAL PROCESSING. IN: OCEAN '74; IEEE INTERNATIONAL CONFERENCE ON ENGINEERING IN THE OCEAN ENVIRONMENT (5TH: 1974: HALIFAX, N.S.); RECORD. NEW YORK: INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS. V.2: 212-217. (IEEE PUBLICATION 74 CHO 873-0 OCC) (BIO CONTRIBUTION 460).

THIS PAPER DESCRIBES THE USE OF A SMALL COMPUTER FOR REAL TIME SEISMIC

SIGNAL PROCESSING AT SEA. IN PARTICULAR, A TIMING CORRECTION IS DESCRIBED WHICH IMPROVES THE PROCESSING EFFECTIVENESS OF SIMPLE DEREVERBERATION SCHEMES.

837

HEFFLER, D. 1974. REAL TIME SEISMIC SIGNAL PROCESSING. GEOLOGICAL SURVEY OF CANADA PAPER 74-60: 26.

838

HEFFLER, D.E. 1980?. RALPH - A SEDIMENT DYNAMICS MONITOR. IN: PROCEEDINGS, WORKSHOP ON INSTRUMENTATION FOR CURRENTS AND SEDIMENTS IN THE NEARSHORE ZONE (1979: OTTAWA). OTTAWA: ASSOCIATE COMMITTEE FOR RESEARCH ON SHORELINE EROSION AND SEDIMENTATION. P.163-173. (BIO CONTRIBUTION 937).

839

HEFFLER, D. 1983. OCEAN BOTTOM SEISMOMETERS. BIO REVIEW '83: 49-50.

840

HEFFLER, D.E. 1984. AN OCEAN BOTTOM SEISMOMETER RELEASE BY ELECTROLYTIC CORROSION. MARINE GEOPHYSICAL RESEARCHES 6(4): 447-454.

DESCRIPTION OF BIO OBS MODIFICATIONS SINCE LAST REPORTING IN MGR, 1979. DETAILED DESCRIPTION OF NEW RELEASE MECHANISM AND TABLE SHOWING OBS USE SINCE 1978.

841

HEFFLER, D.E. 1984. GENERAL ENGINEERING CONSIDERATIONS IN ACOUSTIC SUSPENDED SEDIMENT DETECTION. IN: DESIGN CONSIDERATIONS FOR AN ACOUSTIC SEDIMENT TRANSPORT MONITOR FOR THE NEARSHORE ZONE, BY A.E. HAY AND D. HEFFLER. OTTAWA: NATIONAL RESEARCH COUNCIL CANADA, ASSOCIATE COMMITTEE FOR RESEARCH ON SHORELINE EROSION AND SEDIMENTATION. P.35. (CANADIAN COASTAL SEDIMENT STUDY C2S2 = ETUDE CANADIENNE DES SEDIMENTS LITTORAUX ECSL, REPORT C2S2-4).

842

HEFFLER, D.E. 1984. RALPH - AN INSTRUMENT TO MONITOR SEABED SEDIMENTS. GEOLOGICAL SURVEY OF CANADA PAPER 84-1B: 47-52.

RALPH IS AN INSTRUMENT TO MONITOR THE DYNAMICS OF SEDIMENT IN THE NEARSHORE AND CONTINENTAL SHELF ZONES. IT INCLUDES CURRENT METERS, A DEPTH GAUGE, AN OPTICAL TRANSMISSOMETER AND A TIME LAPSE CAMERA. IT CONTAINS A COMPUTER FOR INTELLIGENT INTERVAL RECORDING. SOME DATA GATHERED AT MARTINIQUE BEACH, NOVA SCOTIA, IS DISCUSSED.

843

HEFFLER, D. 1986. RALPHNET: AN UNDERWATER LOCAL AREA NETWORK. IN: OCEANOLOGY: PROCEEDINGS OF AN INTERNATIONAL CONFERENCE (OCEANOLOGY INTERNATIONAL '86) (1986: BRIGHTON, UK). LONDON: GRAHAM & TROMAN LTD. P.175-179. (ADVANCES IN UNDERWATER TECHNOLOGY AND OFFSHORE ENGINEERING 6).

A DESCRIPTION OF RALPHNET, A LOCAL AREA NETWORK USED ON RALPH, THE AGC SEDIMENT DYNAMICS MONITOR. INCLUDES THE CIRCUITRY AND PROTOCOL OF THE

NETWORK AND ITS ADVANTAGES. ALSO A BRIEF DISCUSSION OF SOME OF RALPH'S COMPONENTS.

844

HEFFLER, D.E., BARRETT, D.L. 1979. OBS DEVELOPMENT AT BEDFORD INSTITUTE OF OCEANOGRAPHY. MARINE GEOPHYSICAL RESEARCHES 4(2): 227-245. (BIO CONTRIBUTION NO. 895).

845

HEFFLER, D., FORBES, D. 1983. RALPH. BIO REVIEW '83: 50.

846

HEFFLER, D.E., LOCKE, D.R. 1977. A DEEP OCEAN RELEASE MECHANISM. MARINE GEOPHYSICAL RESEARCHES 3(2): 229-232. (BIO CONTRIBUTION NO. 672).

A SIMPLE RELEASE SYSTEM FOR A DEEP OCEAN INSTRUMENT PACKAGE IS DESCRIBED. AN EVACUATED CHAMBER HOLDS THE INSTRUMENT TO THE ANCHOR AND AN EXPLOSIVE DEVICE FLOODS THE CHAMBER, ALLOWING THE INSTRUMENT TO FLOAT TO THE SURFACE AFTER A PRESET TIME.

847

HEIN, F.J. 1987. CORE LOGS FOR HU83-031 AND HU83-028 PISTON CORES. IN: SEDIMENTOLOGY OF ARCTIC FJORDS EXPERIMENT: DATA REPORT(3RD: 1987), SYVITSKI, J.P.M. (COMP), PRAEG, D.B. (COMP). CANADIAN DATA REPORT OF HYDROGRAPHY AND OCEAN SCIENCES NO. 54. 44 P. (GEOLOGICAL SURVEY OF CANADA OPEN FILE REPORT NO. 1589).

848

HEIN, F.J., MUDIE, P.J. 1987. FACIES DESCRIPTION AND SEDIMENTATION HISTORY, CANADIAN POLAR MARGIN, OFFSHORE AXEL HELBERG ISLAND [ABSTRACT]. IN: INTERNATIONAL UNION FOR QUATERNARY RESEARCH INTERNATIONAL CONGRESS (12TH: 1987: OTTAWA) PROGRAMME AND ABSTRACTS. OTTAWA: NATIONAL RESEARCH COUNCIL OF CANADA. P.185.

LITHOFACIES ARE DEFINED FOR 26 SEDIMENT CORES OBTAINED UNDER THE SEA ON THE CANADIAN POLAR CONTINENTAL MARGIN. SEDIMENTATION PROCESS (ICE RAFTING, GRAVITY FLOW AND SUSPENSION FALLOUT) ARE USED TO INFER A HISTORY OF ICE EXPANSION AND RETREAT.

849

HEIN, F.J., SYVITSKI, J.P.M. 1987. VARIATIONS IN LITHOFACIES BETWEEN TWO NEIGHBOURING FJORDS; MCBETH AND ITIRBILUNG FJORDS, BAFFIN ISLAND, CANADA [ABSTRACT]. IN: INTERNATIONAL UNION FOR QUATERNARY RESEARCH INTERNATIONAL CONGRESS (12TH: 1987: OTTAWA) PROGRAMME AND ABSTRACTS. OTTAWA: NATIONAL RESEARCH COUNCIL OF CANADA. P.184.

MCBETH FJORD IS DOMINATED BY HEMIPELAGIC DEPOSITION AND HAS A SMOOTH MUDDY PRODELTA; ITIRBILUNG BY MASS-FLOW PROCESSES AND HAS A VARIETY OF SEDIMENT FAILURE AND RESEDIMENTATION FEATURES.

850

HEIN, F.J., SYVITSKI, J.P.M. 1987. SEDIMENTOLOGY OF ITIRBILUNG FIORD, BAFFIN

ISLAND, CANADA. IN: ARCTIC WORKSHOP (16TH: 1987: EDMONTON), ABSTRACTS. EDMONTON, ALBERTA: BOREAL INSTITUTE FOR NORTHERN STUDIES, UNIVERSITY OF ALBERTA. P.53-55.

ANALYSIS OF BATHYMETRIC PROFILES SHOW 3 MAJOR CHANNEL TYPES: GULLEY CHANNELS, IN PRODELTA SLOPES; STRAIGHT V-SHAPED CHANNELS IN SITES OF CONFINED FLOW; AND SHALLOW BRAIDED CHANNELS IN SITES OF FLOW EXPANSION. DEPOSITION IN GULLEY SITES IS MAINLY IN INTERCHANNEL AREAS AS LAMINATED SANDS AND SILTS; CHANNEL DEPOSITS ARE MAINLY CHAOTIC PEBBLY SANDS; AND MORE DISTAL SITES ARE BIOTURBATED AND LAMINATED.

851

HELLER, M., GRADSTEIN, W.S., GRADSTEIN, F.M., AGTERBERG, F.P., LEW, S.N. 1985. RASC FORTRAN 77 COMPUTER PROGRAM FOR RANKING AND SCALING OF BIOSTRATIGRAPHIC EVENTS. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1203. 62P. & 2 DISKETTES.

852

HENDERSON, P.J., JOSEPHANS, H.W. 1987. GLACIGENIC AND MARINE SEDIMENTATION IN HUDSON BAY, CANADA [ABSTRACT]. IN: INTERNATIONAL UNION FOR QUATERNARY RESEARCH INTERNATIONAL CONGRESS (12TH: 1987: OTTAWA), PROGRAMME AND ABSTRACTS. OTTAWA: NATIONAL RESEARCH COUNCIL OF CANADA. P.185.

853

HILL, P.R. 1981. EROSION OF OLD SLUMP-SCAR ON NOVA SCOTIAN SLOPE AND POSSIBLE MID-SLOPE DEPOSITIONAL LOBE. AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS BULLETIN 65(5): 938.

854

HILL, P.R. 1983. DETAILED MORPHOLOGY OF A SMALL AREA ON THE NOVA SCOTIAN CONTINENTAL SLOPE. MARINE GEOLOGY 53(1/2): 55-76.

855

HILL, P.R. 1984. FACIES AND SEQUENCE ANALYSIS OF NOVA SCOTIAN SLOPE MUDS: TURBIDITE VS 'HEMIPELAGIC' DEPOSITION. IN: FINE-GRAINED SEDIMENTS: DEEP-WATER PROCESSES AND FACIES, ED., D.A.V. STOW AND D.J.W. PIPER. OXFORD: PUBLISHED FOR THE GEOLOGICAL SOCIETY BY BLACKWELL SCIENTIFIC PUBLICATIONS. P.311-318.

856

HILL, P.R. 1984. SEDIMENTARY FACIES OF THE NOVA SCOTIAN UPPER AND MIDDLE CONTINENTAL SLOPE, OFFSHORE EASTERN CANADA. SEDIMENTOLOGY 31(3): 293-309.

857

HILL, P.R. 1985. LATE QUATERNARY [QUATERNARY] DEPOSITIONAL ENVIRONMENTS OF THE CANADIAN BEAUFORT SHELF [ABSTRACT]. IN: ARCTIC LAND-SEA INTERACTION; ARCTIC WORKSHOP (14TH: 1985: BEDFORD INSTITUTE OF OCEANOGRAPHY, DARIMOUTH, N.S.), [COMP., G.M. VILKS AND J.P.M. SYVITSKI. DARIMOUTH, N.S.: THE WORKSHOP]. P.233-234. (GEOLOGICAL SURVEY OF CANADA OPEN FILE 1223).

SEISMIC AND BOREHOLE EVIDENCE IS USED TO INTERPRET LATE QUATERNARY DEPOSITIONAL ENVIRONMENTS. MARINE, DELTAIC AND GLACIAL OUTWASH PLAIN

ENVIRONMENTS ARE RECOGNISED AND RELATED TO A RELATIVE SEA LEVEL HISTORY.

858

HILL, P.R. 1985. REPLY: DISSIMILARITIES BETWEEN THE SCOTIAN SLOPE AND THE HECHO GROUP. SEDIMENTOLOGY 32: 456-457.

SHANMUGAM AND MOIOLA'S COMMENTS ON HILL (1984) ARE DISCUSSED. SEDIMENTARY FACIES OF THE SCOTIAN SLOPE ARE MORE SIMILAR TO THE HECHO GROUP (N. SPAIN) THAN SHANMUGAM AND MOIOLA SUGGEST.

859

HILL, P.R. 1986. LATE QUATERNARY DEPOSITIONAL ENVIRONMENTS OF THE CANADIAN BEAUFORT SHELF [ABSTRACT]. IN: CURRENT RESEARCH IN THE ATLANTIC PROVINCES; ABSTRACTS, ATLANTIC GEOSCIENCE SOCIETY 1986 COLLOQUIUM. MARITIME SEDIMENTS AND ATLANTIC GEOLOGY 22(3): 330.

SEISMIC AND BOREHOLE DATA ARE USED TO ESTABLISH THE STRATIGRAPHY OF THE BEAUFORT SHELF. MARINE, DELTAIC AND OUTWASH PLAIN ENVIRONMENTS ARE RECOGNISED.

860

HILL, P.R. 1987. CHALK SOLUTION STRUCTURES IN CORES FROM DEEP SEA DRILLING PROJECT LEG 94. IN: INITIAL REPORTS OF THE DEEP SEA DRILLING PROJECT, [BY] W.F. RUDDIMAN, R.B. KIDD [ET AL]. WASHINGTON: U.S. GOVERNMENT PRINTING OFFICE. P.1129-1143.

FOUR TYPES OF SOLUTION STRUCTURE ARE DESCRIBED FROM SITES 608 AND 610, LEG 94, DSDP. THE SOLUTION STRUCTURE ARE RELATED TO COMPACTION-INDUCED DEFORMATION OF THE SEDIMENT SEQUENCE. A GEOTECHNICAL EXPLANATION IS SUGGESTED FOR THE ORIGIN OF THE STRUCTURES.

861

HILL, P.R. 1987. CHARACTERISTICS OF SEDIMENTS FROM FENI AND GARDAR DRIFTS, SITE 610 AND 611, DEEP SEA DRILLING PROJECT LEG 94. IN: INITIAL REPORTS OF THE DEEP SEA DRILLING PROJECT, [BY] W.F. RUDDIMAN, R.B. KIDD [ET AL]. WASHINGTON: U.S. GOVERNMENT PRINTING OFFICE. P.1075-1082.

SEDIMENTARY STRUCTURE AND GRAIN SIZE SPECTRA ARE DESCRIBED. THERE IS LITTLE EVIDENCE FOR CURRENT CONTROL ON DEPOSITION.

862

HILL, P.R. 1987. QUATERNARY GEOLOGY OF LAKE ZURICH: AN INTERDISCIPLINARY INVESTIGATION BY DEEP-LAKE DRILLING, ED. BY K.J. HSU AND K.R. KELTS [BOOK REVIEW]. SEDIMENTOLOGY 32(6): 914-915.

VOLUME CONTAINS DATA REPORTS AND SYNTHESIS PAPERS FROM A BOREHOLE IN LAKE ZURICH.

863

HILL, P.R. 1987. THE MACKENZIE DELTA AND ADJACENT COASTAL LOWLANDS, CANADIAN BEAUFORT SEA [ABSTRACT]. IN: SYMPOSIUM ON COASTAL LOWLANDS: GEOLOGY AND GEOTECHNOLOGY (1987: THE HAGUE, THE NETHERLANDS). THE SYMPOSIUM. P.39.

THE MACKENZIE DELTA AND ADJACENT COASTLINE IS RETREATING. SEDIMENT ACCUMULATION IS IN THE NEARSHORE, COASTAL BAYS AND ON THE SHELF. FACIES DISTRIBUTIONS INDICATE WAVE REWORKING OF SEDIMENT AT 5M WATER DEPTH.

864

HILL, P.R., AKSU, A.E., PIPER, D.J.W. 1982. THE DEPOSITION OF THIN BEDDED SUBAQUEOUS DEBRIS FLOW DEPOSITS. IN: MARINE SLIDES AND OTHER MASS MOVEMENTS, ED., S. SAXOV AND J.K. NIEUWENHUIS. NEW YORK: PLENUM PRESS. P.273-287. (NATO CONFERENCE SERIES; IV. MARINE SCIENCES 6).

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HILL, P.R., BOWEN, A.J. 1983. MODERN SEDIMENT DYNAMICS AT THE SHELF-SLOPE BOUNDARY OFF NOVA SCOTIA. IN: THE SHELFBREAK; CRITICAL INTERFACE ON CONTINENTAL MARGINS, ED., D.J. STANLEY AND G.T. MOORE. TULSA, OK: SOCIETY OF ECONOMIC PALEONTOLOGISTS AND MINERALOGISTS. P.265-276. (SOCIETY OF ECONOMIC PALEONTOLOGISTS AND MINERALOGISTS SPECIAL PUBLICATION 33).

866

HILL, P.R., FORBES, D.L., DALLIMORE, S.R., MORGAN, P. 1986. SHOREFACE DEVELOPMENT IN THE CANADIAN BEAUFORT SEA. IN: PROCEEDINGS; SYMPOSIUM ON COHESIVE SHORES = COMPTES RENDUS; SYMPOSIUM SUR LES LITTORAUX COHESIFS, ED., M.G. SKAFEL. OTTAWA: NATIONAL WATER RESEARCH INSTITUTE, ENVIRONMENT CANADA. P.428-448. (GEOLOGICAL SURVEY OF CANADA CONTRIBUTION NO. 15886).

TWO COASTAL AREAS OF THE BEAUFORT SEA, KING POINT AND NORTH HEAD ARE PRIMARY CONTROLS ON SHOREFACE DEVELOPMENT. THE GEOTECHNICAL PROPERTIES OF SHOREFACE MATERIALS AND SITE MORPHOLOGY ARE IMPORTANT LOCALLY. ICE SCOUR IS NOT AN IMPORTANT FACTOR.

867

HILL, P.R., KIDD, R.B. 1985. MID-OCEAN SEDIMENT DRIFTS: SEDIMENT WAVES IN A PELAGIC REGIME [ABSTRACT]. GEOLOGICAL ASSOCIATION OF CANADA/MINERALOGICAL ASSOCIATION OF CANADA, PROGRAM WITH ABSTRACTS 10: A27.

SEDIMENTARY SEQUENCES FROM DSDP SITES 610 AND 611 ON FENI AND GARDAR DRIFTS ARE DESCRIBED. ALTHOUGH DEPOSITED IN A PELAGIC REGIME. THERE IS EVIDENCE FROM SEDIMENTATION RATES THAT THE SEDIMENT WAVES, WHICH MAKE UP THE DRIFT, MIGRATED DURING THE PLIOCENE.

868

HILL, P.R., MORAN, K.M., BLASCO, S.M. 1982. CREEP DEFORMATION OF SLOPE SEDIMENTS IN THE CANADIAN BEAUFORT SEA. GEO-MARINE LETTERS 2(3/4): 163-170.

869

HILL, P.R., MORAN, K., BLASCO, S.M., HARMES, R.A. 1984. MORPHOLOGY AND GRAVITATIONAL PROCESSES ON THE CANADIAN BEAUFORT CONTINENTAL SLOPE [ABSTRACT]. IN: ATLANTIC GEOSCIENCE SOCIETY COLLOQUIUM ON CURRENT RESEARCH IN THE ATLANTIC PROVINCES (1984: AMHERST, N.S.), ABSTRACTS. [S.L.]: THE COLLOQUIUM. P.117. (MARITIME SEDIMENTS AND ATLANTIC GEOLOGY 20(2)).

TWO TYPES OF SLOPE MORPHOLOGY ARE RECOGNISED ON THE BEAUFORT SLOPE: (I) AN ESCARPMENT SLOPE WITH HUMMOCKY SEABED MORPHOLOGY AT THE BASE, FORMED BY LARGE-SCALE GRAVITY SLIDING (II) SMOOTH BOTTOMED SLOPE SHOWING SYNDEPOSITIONAL FOLDING, FAULTING, GRABEN-FORMATION AND DIAPIRISM, FORMED BY CONTINUOUS CREEP DEFORMATION.

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HILL, P.R., MORAN, K., KURFURST, P.J., PULLAN, S. 1986. PHYSICAL AND SEDIMENTOLOGICAL PROPERTIES OF NEARSHORE SEDIMENTS IN THE SOUTHERN BEAUFORT SEA. IN: CANADIAN CONFERENCE ON MARINE GEOTECHNICAL ENGINEERING (3RD: 1986: ST JOHN'S, NFLD) = CONFERENCE CANADIENNE SUR LE GENIE GEOTECHNIQUE MARIN (3E: 1986: ST JOHN'S, T.-N.), [PREPRINTS]. ST JOHN'S: THE CONFERENCE. V.1: 301-327.

871

HILL, P.R., MUDIE, P.J., MORAN, K., BLASCO, S.M. 1985. A SEA-LEVEL CURVE FOR THE CANADIAN BEAUFORT SHELF. CANADIAN JOURNAL OF EARTH SCIENCES 22(10): 1383-1393.

A WELL-CONSTRAINED SEA LEVEL CURVE FOR THE BEAUFORT SHELF SHOWS 150 METRES OF SEA LEVEL RISE SINCE 27,000 YEARS B.P. BASIN SUBSIDENCE, SEDIMENT LOADING AND CONSOLIDATION ACCOUNT FOR 35 METRES OF THIS, WHILE GLACIAL LOADING IS THOUGHT TO ACCOUNT FOR THE REMAINING 105 METRES AND INDICATES EXTENSIVE MID-WISCONSINAN GLACIATION.

872

HILL, P.R., NADEAU, O.C. 1984. GRAIN-SURFACE TEXTURES OF LATE WISCONSINAN SANDS FROM THE CANADIAN BEAUFORT SHELF. JOURNAL OF SEDIMENTARY PETROLOGY 54(4): 1349-1357.

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HILL, P.R., PIPER, D.J.W., NORMARK, W.R. 1983. PISCES IV SUBMERSIBLE DIVES ON THE SCOTIAN SLOPE AT 63 DEGREES W. GEOLOGICAL SURVEY OF CANADA PAPER 83-1A: 65-69.

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HILLAIRES-MARCEL, C. 1987. COMPOSITION ISOTOPIQUE DU CARBONE ORGANIQUE DES CAROTTES DU FORAGE 85-036-016 DANS LE LAC BRAS D'OR, ILE DU CAP-BRETON, NOUVELLE-ECOSSE. GEOLOGICAL SURVEY OF CANADA PAPER 87-1A: 859-864.

ISOTOPIC COMPOSITION OF ORGANIC CARBON INDICATES A MARINE PHASE FOLLOWING DEGLACIATION, THEN A CONTINENTAL PHASE PRIOR TO THE MODERN MARINE PHASE.

875

HINZ, K., SCHLUTER, H.U., GRANT, A.C., SRIVASTAVA, S.P., UMPLEBY, D., WOODSIDE, J. 1978. MULTICHANNEL REFLECTION SEISMIC SURVEY IN THE LABRADOR SEA. GEOLOGICAL SURVEY OF CANADA PAPER 78-1C: 118.

A NOTE ON THE MULTICHANNEL REFLECTION SEISMIC SURVEY CONDUCTED IN THE LABRADOR SEA BY THE FEDERAL INSTITUTE FOR GEOSCIENCES AND NATURAL RESOURCES, HANNOVER, GERMANY.

876
 HINZ, K., SCHLUTER, H.-U., GRANT, A.C., SRIVASTAVA, S.P., UMPLEBY, D., WOODSIDE, J. 1979. GEOPHYSICAL TRANSECTS OF THE LABRADOR SEA: LABRADOR TO SOUTHWEST GREENLAND. IN: CRUSTAL PROPERTIES ACROSS PASSIVE MARGINS, ED., C.E. KEEN. TECTONOPHYSICS 59(1-4): 151-183. (INTER-UNION COMMISSION ON GEODYNAMICS SCIENTIFIC REPORT 51) (BIO CONTRIBUTION NO. 958) ALSO PUBLISHED IN: CRUSTAL PROPERTIES ACROSS PASSIVE MARGINS: SELECTED PAPERS FROM THE SYMPOSIUM (1978: HALIFAX, N.S.), ED., C.E. KEEN. AMSTERDAM: ELSEVIER, P.139-150. (DEVELOPMENTS IN GEOTECTONICS 15).

THIS PAPER IS A PRELIMINARY INTERPRETATION OF THE MULTICHANNEL REFLECTION SEISMIC DATA COLLECTED IN THE LABRADOR SEA IN 1977 BY THE BUNDESANSTALT FR GEOWISSENSCHAFTEN AND ROHSTOFFE, FEDERAL REPUBLIC OF GERMANY. THIS SURVEY PROVIDES SEVERAL TRANSECTS OF THE LABRADOR SEA, AND TIES WITH THREE WELLS ON THE LABRADOR SHELF AND ONE WELL ON THE GREENLAND SHELF. THESE DATA WERE SYNTHESIZED WITH MAGNETIC, GRAVITY AND REFRACTION SEISMIC DATA FROM PREVIOUS SURVEYS.

877
 HINZ, K., WINTERER, E.L., BAUMGARTNER, P.O., BRADSHAW, M.J., CHANNELL, J.E.T., JAFFREZO, M., JANSKA, L.F., LECKIE, R.M., MOORE, J.N., RULLKOTTER, J., SCHAFTENAAR, C.H., STEIGER, T.H., VUCHEV, V.I., WIEGAND, G.E. 1984. EXPLANATORY NOTES, LEG 79. IN: INITIAL REPORTS OF THE DEEP SEA DRILLING PROJECT, [BY] K. HINZ, E.L. WINTERER, ET AL. WASHINGTON: U.S. GOVERNMENT PRINTING OFFICE. V. 79: 5-22.

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 HINZ, K., WINTERER, E.L., BAUMGARTNER, P.O., BRADSHAW, M.J., CHANNELL, J.E.T., JAFFREZO, M., JANSKA, L.F. 1984. SITE 544. IN: INITIAL REPORTS OF THE DEEP SEA DRILLING PROJECT, [BY] K. HINZ, E.L. WINTERER, ET AL. WASHINGTON: U.S. GOVERNMENT PRINTING OFFICE. V. 79: 25-80.

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 HINZ, K., WINTERER, E.L., BAUMGARTNER, P.O., BRADSHAW, M.J., CHANNELL, J.E.T., JAFFREZO, M., JANSKA, L.F. 1984. SITE 545. IN: INITIAL REPORTS OF THE DEEP SEA DRILLING PROJECT, [BY] K. HINZ, E.L. WINTERER, ET AL. WASHINGTON: U.S. GOVERNMENT PRINTING OFFICE. V. 79: 81-177.

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 HINZ, K., WINTERER, E.L., BAUMGARTNER, P.O., BRADSHAW, M.J., CHANNELL, J.E.T., JAFFREZO, M., JANSKA, L.F. 1984. SITE 546. IN: INITIAL REPORTS OF THE DEEP SEA DRILLING PROJECT, [BY] K. HINZ, E.L. WINTERER, ET AL. WASHINGTON: U.S. GOVERNMENT PRINTING OFFICE. V. 79: 179-221.

881
 HINZ, K., WINTERER, E.L., BAUMGARTNER, P.O., BRADSHAW, M.J., CHANNELL, J.E.T., JAFFREZO, M., JANSKA, L.F. 1984. SITE 547. IN: INITIAL REPORTS OF THE DEEP SEA DRILLING PROJECT, [BY] K. HINZ, E.L. WINTERER, ET AL. WASHINGTON: U.S. GOVERNMENT PRINTING OFFICE. V. 79: 223-361.

882
 HINZ, K., WINTERER, E.L., BAUMGARTNER, P.O., BRADSHAW, M.J., CHANNELL, J.E.T.,

JAFFREZO, M., JANSKA, L.F., LECKIE, R.M., MOORE, J.N., RULLKOTTER, J., SCHAFTENAAR, C., STEIGER, T.H., VUCHEV, V., WIEGAND, G.E. 1982. PRELIMINARY RESULTS FROM DSDP LEG 79 SEAWARD OF THE MAZAGAN PLATEAU OFF CENTRAL MOROCCO. IN: GEOLOGY OF THE NORTHWEST AFRICAN CONTINENTAL MARGIN, ED., U. VON RAD, K. HINZ, M. SARNITHEIN AND E. SEIBOLD. BERLIN: SPRINGER-VERLAG. P.23-33.

THE REPORT PRESENTS THE PRELIMINARY RESULTS OF THE DEEP SEA DRILLING OFF MOROCCO. HIGHLIGHTS INCLUDE: A REPORT ON THE FIRST RECOVERY OF SALT FROM A DEEP SEA BASIN; EXTENSION OF THE CONTINENTAL BASEMENT UNDER THE LOWER CONTINENTAL RISE; AND DEVELOPMENT OF THE SLOPE IN THE FRONT OF THE CARBONATE PLATFORMS.

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HITTELMAN, A.M., GROMAN, R.C., HAWORTH, R.T., HOLCOMBE, T.L., MCHENDRIE, G., SMITH, S.M. 1977. THE MARINE GEOPHYSICAL DATA EXCHANGE FORMAT-MGD77 (BATHYMETRY, MAGNETICS AND GRAVITY). BOULDER, CO: NATIONAL GEOPHYSICAL AND SOLAR-TERRESTRIAL DATA CENTER. 18P. (KEY TO GEOPHYSICAL RECORDS DOCUMENTATION 10).

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HIVON, E. 1986. STRESS HISTORY IN THE BEAUFORT SEA: AN INITIAL STUDY. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1365. 50 P.

885

HOBSON, G.D., GRANT, A.C. 1963. A SEISMIC PROFILE OVER A REEF IN SOUTHEASTERN ONTARIO. IN: ONTARIO PETROLEUM INSTITUTE ANNUAL CONFERENCE (2ND : 1963), (PROCEEDINGS). CHATHAM,ONT.: OPI. P.23-25.

TERRAIN AND NORMAL MOVE-OUT CORRECTIONS WERE APPLIED MANUALLY TO SELECTED TRACES FROM A LINE OF REFLECTION RECORDS IN SOUTHWESTERN ONTARIO, AND THESE TRACES WERE COMPOSITED TO PRODUCE A SEISMIC RECORD-SECTION. THIS ACHIEVED SOME COHERENCE OF SEISMIC ENERGY, WHICH COULD REASONABLY BE RELATED TO SUSPECTED CONFIGURATION OF A SUBSURFACE REEF.

886

HOBSON, G.D., GRANT, A.C. 1964. TRACING BURIED VALLEYS IN THE KIRKLAND LAKE AREA OF ONTARIO WITH A HAMMER SEISMOGRAPH. CANADIAN MINING JOURNAL 84(4): 79-83.

DESCRIBES THE SEISMIC EQUIPMENT USED, AND ITS FIELD APPLICATION IN BOTH REFRACTION AND REFLECTION MODE. RESULTS FROM THE SURVEY ARE PRESENTED IN CONTOUR MAPS OF BEDROCK SURFACE AND OVERBURDEN THICKNESS, A HISTOGRAM OF OBSERVED VELOCITIES, TYPICAL CROSS-SECTIONS DERIVED FROM REFRACTION DATA, AND A SPECIMEN REFLECTION PROFILE.

887

HOBSON, G.D., HERDENDORF, C.E., LEWIS, C.F.M. 1969. HIGH RESOLUTION REFLECTION SEISMIC SURVEY IN WESTERN LAKE ERIE. IN: CONFERENCE ON GREAT LAKES RESEARCH (12TH: 1969: ANN ARBOR, MI), PROCEEDINGS. ANN ARBOR, MI: INTERNATIONAL ASSOCIATION FOR GREAT LAKES RESEARCH. P.210-224.

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HOSKIN, K.S., SYVITSKI, J.P.M., ASPREY, K.W., CONNOLLY, P. 1985. EXPEDITION REPORT NO. 84-025, LOUIS M. LAUZIER, CENTRE CHAMPLAIN DES SCIENCES DE LA MER, OCTOBER 19-20, 1984. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1140. 10P.

DESCRIPTION OF CRUISE THAT CARRIED OUT HIGH-RESOLUTION SEISMIC SURVEY IN SAGUENAY FJORD.

889

HOVLAND, M., JUDD, A.G., KING, L.H. 1984. CHARACTERISTIC FEATURES OF POCKMARKS ON THE NORTH SEA FLOOR AND SCOTIAN SHELF. SEDIMENTOLOGY 31(4): 471-480.

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HOWIE, R.D. 1965. STRUCTURE AND STRATIGRAPHY OF THE STONY CREEK FIELD, NEW BRUNSWICK. GEOLOGICAL SURVEY OF CANADA PAPER 65-2: 71.

UNDERSTANDING THE DELTAIC ENVIRONMENT OF THE STONY CREEK OIL AND GAS FIELD DEPOSIT MAY HELP IN LOCATING NEW OIL AND GAS DEPOSITS IN THE MONCTON SUBBASIN.

891

HOWIE, R.D. 1966. CATALOGUE OF WELL SAMPLES FROM NOVA SCOTIA, NEW BRUNSWICK, PRINCE EDWARD ISLAND AND NEWFOUNDLAND AT THE GEOLOGICAL SURVEY OF CANADA, OTTAWA. GEOLOGICAL SURVEY OF CANADA PAPER 65-40: 43.

AN INDEX OF WELLS, SHOWING LOCATION, ELEVATION, GEOLOGICAL BOUNDARIES AND SAMPLE OR CORE INTERVAL ON FILE AT THE GSC IN OTTAWA.

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HOWIE, R.D. 1968. STONY CREEK OIL AND GAS FIELD, NEW BRUNSWICK. IN: NATURAL GASES OF NORTH AMERICA. AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS MEMOIR 9(2): 1819-1832.

DETAILS OF THE STRUCTURE, STRATIGRAPHY, PRODUCTION AND HISTORY OF THE STONY CREEK OIL AND GAS FIELD AS DETERMINED FROM WELL CUTTINGS AND FIELD MAPPING.

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HOWIE, R.D. 1970. EXPLORATION PICKS UP OFF CANADA. OFFSHORE 30(4): 84-96.

RESUME OF REGIONAL GEOLOGY, GEOPHYSICAL DATA, AND RESULTS OF EXPLORATORY DRILLING.

894

HOWIE, R.D. 1970. OIL AND GAS EXPLORATION - ATLANTIC COAST OF CANADA. AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS BULLETIN 54(11): 1989-2006.

UPDATE OF THE REGIONAL GEOLOGY, PETROLEUM OCCURRENCES, BASEMENT CONTOURS, OFFSHORE EXPLORATORY WELLS, GEOPHYSICAL DATA, CONTINENTAL DRIFT AND EXTENSIVE CURRENT BIBLIOGRAPHY.

- 895
 HOWIE, R.D. 1970. SUBSURFACE OIL AND GAS STUDIES, EASTERN CANADA. GEOLOGICAL SURVEY OF CANADA PAPER 70-1A: 9- 12.
- MAP AND EXPLANATORY NOTES FOR PREVIOUSLY UNMAPPED PORTION OF GEOLOGICAL SURVEY OF CANADA MAP 845 A, SUSSEX SHEET.
- 896
 HOWIE, R.D. 1971. SUBSURFACE OIL AND GAS STUDIES, EASTERN CANADA - FACIES OF ALBERT FORMATION IN THE MONCTON-SUSSEX AREA, NEW BRUNSWICK. GEOLOGICAL SURVEY OF CANADA PAPER 71-1A: 8-9.
- 897
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- 898
 [HOWIE, R.D.] 1972. OIL SHALE. IN: STRATIGRAPHY AND ECONOMIC GEOLOGY OF CARBONIFEROUS BASINS IN THE MARITIME PROVINCES, H.W. VAN DE POLL. INTERNATIONAL GEOLOGICAL CONGRESS (24TH: 1972: MONTREAL) GUIDEBOOK FIELD EXCURSION A60: 39-40.
- DATA ON OIL, GAS AND OIL SHALE IN NOVA SCOTIA AND NEW BRUNSWICK.
- 899
 HOWIE, R.D. 1974. COMPILATION OF GEOSCIENTIFIC DATA IN PALEOZOIC BASINS OF EASTERN CANADA. GEOLOGICAL SURVEY OF CANADA PAPER 74-1B: 139-140.
- 900
 HOWIE, R.D. 1977. GEOLOGICAL STUDIES AND EVALUATION OF MACDOUGALL CORE HOLE 1A, WESTERN PRINCE EDWARD ISLAND. GEOLOGICAL SURVEY OF CANADA PAPER 77-20. 26P.
- APPRAISAL OF KNOWN COAL OCCURRENCES ON PRINCE EDWARD ISLAND LEADS TO THE CONCLUSION THAT THERE IS LITTLE LIKELIHOOD OF FINDING AN ECONOMIC DEPOSIT IN THE AREA.
- 901
 HOWIE, R.D. 1980. CARBONIFEROUS SALT IN ATLANTIC CANADA [ABSTRACT]. GEOLOGICAL ASSOCIATION OF CANADA ANNUAL MEETING ABSTRACTS 5: 62.
- THE DISTRIBUTION, THICKNESS AND TECTONISM OF UPPER PALEOZOIC EVAPORITES.
- 902
 HOWIE, R.D. 1980. THE ALBERT FORMATION, NEW BRUNSWICK - DELTAS AND OIL SHALE. GEOLOGICAL SURVEY OF CANADA OPEN FILE 671. 18P. + 23 CHARTS.
- THIS PALEO GEOGRAPHIC AND FACIES STUDY IS BASED ON FIELD AND BORE HOLE DATA.

903

- HOWIE, R.D. 1984. CARBONIFEROUS EVAPORITES IN ATLANTIC CANADA. IN: INTERNATIONAL CONGRESS ON CARBONIFEROUS STRATIGRAPHY AND GEOLOGY (9TH: 1979: WASHINGTON, D.C. AND UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN), COMPTE RENDU; V.3, PART 1. ATLANTIC COAST BASINS, ED., H.H.J. GELDSETZER. CARBONDALE AND EDWARDSVILLE: SOUTHERN ILLINOIS UNIVERSITY PRESS. P.131-142.

AN OUTLINE OF THE NUMEROUS SALT DEPOSITS IN ATLANTIC CANADA. THE DEPOSITS ARE IMPORTANT ECONOMICALLY AND HAVE POTENTIAL AS POSSIBLE STORAGE AREAS FOR HYDROCARBONS.

904

- HOWIE, R.D. 1986. WINDSOR GROUP SALT IN THE CUMBERLAND SUBBASIN OF NOVA SCOTIA. GEOLOGICAL SURVEY OF CANADA PAPER 85-11. 12P. & 1 MAP.

THE CUMBERLAND SUBBASIN IS UNDERLAIN BY THICK DEPOSITS OF UPPER PALEOZOIC ROCKS. WINDSOR GROUP MASSIVE SALT ACCUMULATIONS OCCUR AS FLOW STRUCTURES THAT ARE GENERALLY OVERTURNED TO THE NORTH THE SALT MIGRATION IS CONSIDERED TO BE THE RESULT OF HALOKINESIS AND HALO-TECTONISM ASSOCIATED WITH THE MARITIME DISTURBANCE.

905

- HOWIE, R.D. 1986. WINDSOR GROUP SALT IN THE MINAS SUBBASIN OF NOVA SCOTIA. GEOLOGICAL SURVEY OF CANADA PAPER 85-10. 29P.

THE STRUCTURAL AND DEPOSITIONAL HISTORY OF THE WINDSOR GROUP IN THE MINAS SUBBASIN HAS BEEN DETERMINED THROUGH A DETAILED STUDY OF THE EVAPORITE SEQUENCE. SALT OCCURS AS BEDDED DEPOSITS OR FLOW STRUCTURES THAT VARY IN THICKNESS FROM A FEW INCHES TO 1000 FEET (300M). THE PRESENT DISTRIBUTION AND THICKNESS OF THE SALT CAN BE ATTRIBUTED TO THE ENVIRONMENT OF DEPOSITION AND/OR TECTONISM.

906

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DURING THE EARLY LATE DEVONIAN THE ACADIAN OROGEN WAS FRAGMENTED, FORMING A COMPLEX SERIES OF NORTHEAST TRENDING FAULTS WITH NUMEROUS HORST AND GRABEN STRUCTURES. THE UPPER PALEOZOIC SEDIMENTS (MIDDLE DEVONIAN TO LOWER ERMIAN) VARY FROM PIEDMONT TO FLUVIAL LACUSTRINE TO MARINE AND BACK TO FLUVIOLACUSTRINE, WITH LOCAL VARIATIONS DUE TO SPORADIC MOVEMENT OF HORST AND GRABEN STRUCTURES. THE ONLY MARINE TRANSGRESSION WAS IN THE MIDDLE TO LATE VISEAN.

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- HOWIE, R.D., BARSS, M.S. 1975. UPPER PALEOZOIC ROCKS OF THE ATLANTIC PROVINCES,

GULF OF ST. LAWRENCE, AND ADJACENT CONTINENTAL SHELF. IN: OFFSHORE GEOLOGY OF EASTERN CANADA: VOLUME 2 - REGIONAL GEOLOGY, ED., W.J.M. VAN DER LINDEN AND J.A. WADE. GEOLOGICAL SURVEY OF CANADA PAPER 74-30(2): 35-50. (BIO CONTRIBUTION NO. 556).

DISTRIBUTION, THICKNESS, AND CORRELATION OF VARIOUS CARBONIFEROUS ROCKS, ILLUSTRATED BY ISOPACH MAPS AND CROSS SECTIONS.

908

HOWIE, R.D., CUMMING, L.M. 1963. BASEMENT FEATURES OF THE CANADIAN APPALACHIANS. GEOLOGICAL SURVEY OF CANADA BULLETIN 89. 18P.

RELATIVE MOVEMENT OF BASEMENT BLOCKS PRIOR TO AND DURING THE CARBONIFEROUS INFLUENCED THE DISTRIBUTION AND THICKNESS OF THE CARBONIFEROUS SEDIMENTARY UNITS. THE REPORT CONTAINS A BASEMENT CONTOUR MAP, AN ISOPACH MAP OF THE CARBONIFEROUS UNITS, A REGIONAL GEOLOGICAL MAP, AND AN INDEX OF SIGNIFICANT WELLS.

909

HOWIE, R.D., CUMMING, L.M. 1967. POSSIBLE BASEMENT GRABEN BENEATH MIRAMICHI BAY, NEW BRUNSWICK. IN: COLLECTED PAPERS ON GEOLOGY OF THE ATLANTIC REGION, ED., W.R. NEALE AND H. WILLIAMS. GEOLOGICAL ASSOCIATION OF CANADA SPECIAL PAPER 4: 283-292.

GRAVITY, SEISMIC, AEROMAGNETIC AND REGIONAL GEOLOGIC DATA INDICATE A GRABEN BENEATH MIRAMICHI BAY, NEW BRUNSWICK WHICH CONTAINS CARBONIFEROUS SEDIMENTS.

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ANNUAL REPORT ON EXPLORATION, DEVELOPMENT, PRODUCTION, LEASE HOLDINGS, CURRENT BIBLIOGRAPHY, AND EXPLORATION FORECAST FOR OIL AND GAS IN ONTARIO, QUEBEC, AND THE ATLANTIC PROVINCES.

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HOWIE, R.D., HILL, J.V. 1969. DEVELOPMENTS IN EASTERN CANADA IN 1968. AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS BULLETIN 53(6): 1181-1193.

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912

HOWIE, R.D., HILL, J.V. 1970. DEVELOPMENTS IN EASTERN CANADA IN 1969. AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS BULLETIN 54(6): 922-935.

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- 913
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- ANNUAL REPORT ON EXPLORATION, DEVELOPMENT, PRODUCTION, LEASE HOLDINGS, CURRENT BIBLIOGRAPHY, AND EXPLORATION FORECAST FOR OIL AND GAS IN ONTARIO, QUEBEC, AND ATLANTIC PROVINCES.
- 914
 HOWIE, R.D., HILL, J.V. 1972. DEVELOPMENTS IN EASTERN CANADA IN 1971. AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS BULLETIN 56(7): 1193-1204. (BIO CONTRIBUTION NO. 302).
- ANNUAL REPORT ON EXPLORATION, DEVELOPMENT, PRODUCTION, LEASEHOLDINGS, CURRENT BIBLIOGRAPHY AND EXPLORATION FORECAST FOR OIL AND GAS IN ONTARIO, QUEBEC AND THE ATLANTIC PROVINCES.
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 HUNTER, J.A., BLASCO, S.M. 1980. HIGH RESOLUTION MARINE GEOPHYSICS IN CANADA - A REVIEW. IN: PROCEEDINGS, CANADIAN CONFERENCE ON MARINE GEOTECHNICAL ENGINEERING (1ST: 1979: CALGARY), ED., J.W. EDEN. MONTREAL: CANADIAN GEOTECHNICAL SOCIETY. P.95-124.
- 920
 HUTCHINS, R.W., DODDS, J., FADER, G. 1985. SEABED II: HIGH-RESOLUTION ACOUSTIC

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HYNDMAN, R.D., ROGERS, G.C., BARRETT, D.L. 1977. EARTHQUAKE AND SEISMIC REFRACTION RESULTS FROM OCEAN BOTTOM SEISMOMETERS OFF BRITISH COLUMBIA [ABSTRACTS]. EOS; TRANSACTIONS, AMERICAN GEOPHYSICAL UNION 58(6): 508.

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HYNDMAN, R.D., ROGERS, G.C., BONE, M.N., LISTER, C.R.B., WADE, U.S., BARRETT, D.L., DAVIS, E.E., LEWIS, T., LYNCH, S., SEEMAN, D. 1978. GEOPHYSICAL MEASUREMENTS IN THE REGION OF THE EXPLORER RIDGE OFF WESTERN CANADA. CANADIAN JOURNAL OF EARTH SCIENCES 15(9): 1508-1525. (EARTH PHYSICS BRANCH CONTRIBUTION 723) (BIO CONTRIBUTION NO. 679).

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JACKSON, A., LEW, S.N., AGTERBERG, F.P. 1984. DISSPLA PROGRAM FOR DISPLAY OF DENDROGRAMS FROM RASC OUTPUT. COMPUTERS & GEOSCIENCES 10(1): 159-165.

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JACKSON, A., SRIVASTAVA, S.P., MACLEAN, B., GIROUARD, P. 1986. SEDIMENT THICKNESS IN THE LABRADOR SEA [MAP]. IN: GEOPHYSICAL MAPS AND GEOLOGICAL SECTIONS OF THE LABRADOR SEA, COMP., S.P. SRIVASTAVA. GEOLOGICAL SURVEY OF CANADA PAPER 85-16: FIG.7.

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JACKSON, H.R. 1985. KNOWLEDGE OF THE ALPHA RIDGE PRIOR TO CESAR. IN: INITIAL GEOLOGICAL REPORT ON CESAR - THE CANADIAN EXPEDITION TO STUDY THE ALPHA RIDGE, ARCTIC OCEAN, ED., H.R. JACKSON, P.J. MUDIE, AND S.M. BLASCO. GEOLOGICAL SURVEY OF CANADA PAPER 84-22: 11-14.

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JACKSON, H.R. 1985. NARES STRAIT - A SUTURE ZONE: GEOPHYSICAL AND GEOLOGICAL IMPLICATIONS. IN: GEOPHYSICS OF THE POLAR REGIONS; SELECTED PAPERS FROM THE SYMPOSIUM ON GEOPHYSICS OF THE POLAR REGIONS, I.U.G.G GENERAL ASSEMBLY (18TH : 1983 : HAMBURG, F.R.G.), ED., E.S. HUSEBYE, G.L. JOHNSON, AND Y. KRISTOFFERSEN. TECTONOPHYSICS 114(1/4): 11-28.

THE MOTION OF GREENLAND RELATIVE TO ELLESMERE ISLAND IS DETERMINED FROM WELL CONSTRAINED PLATE MOTIONS. THE VALIDITY OF THE RECONSTRUCTIONS IS CHECKED BY EXAMINING THE STABILITY CHARACTERISTICS OF THE TRIPLE JUNCTIONS, THE REGIONAL AND LOCAL GEOLOGY AND THE EVENTS OF THE EUREKAN OROGENY. NARES STRAIT IS INTERPRETED IN TERMS OF THE WILSON CYCLE AND CATEGORIZED AS A CRYPTIC SUTURE ZONE.

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JACKSON, H.R. 1985. SEISMIC REFLECTION RESULTS FROM CESAR. IN: INITIAL GEOLOGICAL REPORT ON CESAR - THE CANADIAN EXPEDITION TO STUDY THE ALPHA RIDGE, ARCTIC OCEAN, ED., H.R. JACKSON, P.J. MUDIE, AND S.M. BLASCO. GEOLOGICAL SURVEY OF CANADA PAPER 84-22: 19-23.

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JACKSON, H.R. 1986. ICE ISLAND LAB SHOWS PETROLEUM POTENTIAL. GEOS 15(2): 1-4. (GSC CONTRIBUTION NO.25186) THE GEOLOGICAL AND GEOPHYSICAL DATA COLLECTED ON THE ICE ISLAND ARE BRIEFLY DESCRIBED AND COLOURFULLY ILLUSTRATED.

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JACKSON, H.R., BLASCO, S.M. 1980. GEOPHYSICAL AND GEOLOGICAL STUDIES IN THE

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JACKSON, H.R., FORSYTH, D.A., JOHNSON, G.L. 1986. OCEANIC AFFINITIES OF THE ALPHA RIDGE, ARCTIC OCEAN. MARINE GEOLOGY 73(3/4): 237-261.

THE GEOLOGICAL AND GEOPHYSICAL DATA COLLECTED ON ICE ISLAND CESAR IS DESCRIBED. SALIENT INFORMATION SHOWS THE AGE OF THE ALPHA RIDGE TO NO YOUNGER THAN LATE CRETACEOUS, THE ROCK TYPE TO BE ALKALINE VOLCANICS GRABEN LIKE VALLEYS, A CRUSTAL THICKNESS OF 40 KM WITH A HIGH VELOCITY BASEL LAYER. THE ALPHA RIDGE APPEARS TO BE A LATE CRETACEOUS OCEANIC PLATEAU. PLATE RECONSTRUCTIONS WITH THE ALPHA RIDGE AS A COMPLEX TRIPLE JUNCTION ARE DEVELOPED.

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JACKSON, H.R., FORSYTH, D.A., MUDIE, P., AMOS, C. 1984. CONSTRAINTS ON THE TECTONIC ORIGIN OF THE ALPHA RIDGE [ABSTRACT]. IN: JOINT PROGRAMME WITH ABSTRACTS; ANNUAL CONGRESS, CANADIAN METEOROLOGICAL AND OCEANOGRAPHIC SOCIETY (18TH : 1984 : HALIFAX, N.S.) [AND] ANNUAL MEETING, CANADIAN GEOPHYSICAL UNION (11TH : 1984 : HALIFAX, N.S.) = PROGRAMME CONJOINT AVEC RESUMES; CONGRES ANNUEL, SOCIETE CANADIENNE DE METEOROLOGIE ET D'OCEANOGRAPHIE (18E : 1984 : HALIFAX, N.-E.) [ET] REUNION ANNUELLE, L'UNION CANADIENNE DE GEOPHYSIQUE (11E : 1984 : HALIFAX, N.-E.), ED., E.J. TRUHLAR. HALIFAX: THE CONFERENCE. P.87-88.

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JACKSON, H.R., JOHNSON, G.L. 1986. SUMMARY OF ARCTIC GEOPHYSICS. IN: POLAR GEOPHYSICS; PROCEEDINGS OF THE SYMPOSIUM POLAR GEOPHYSICS (1985 : TOKYO), EDS., G.L. JOHNSON AND K. KAMINUMA. JOURNAL OF GEODYNAMICS 6: 245-262.

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JACKSON, H.R., JOHNSON, G.L., SUNDVOR, E., MYHRE, A.M. 1984. THE YERMAK PLATEAU: FORMED AT A TRIPLE JUNCTION. JOURNAL OF GEOPHYSICAL RESEARCH 89(B5): 3223-3232.

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JACKSON, H.R., KEEN, C.E. 1976. CRUSTAL REFRACTION MEASUREMENTS IN THE BAFFIN BAY AREA [ABSTRACT]. EOS; TRANSACTIONS, AMERICAN GEOPHYSICAL UNION 57(4): 263.

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JACKSON, H.R., KEEN, C.E., BARRETT, D.L. 1977. GEOPHYSICAL STUDIES ON THE EASTERN CONTINENTAL MARGIN OF BAFFIN BAY AND IN LANCASTER SOUND. CANADIAN JOURNAL OF EARTH SCIENCES 14(9): 1991-2001. (BIO CONTRIBUTION NO. 701).

THIS PAPER PRESENTS THE RESULTS OF SEISMIC REFRACTION STUDIES ON THE MARGIN OF BAFFIN BAY AND IN LANCASTER SOUND. THESE RESULTS, AS WELL AS OTHER GEOLOGICAL AND GEOPHYSICAL INFORMATION ARE DISCUSSED WITH RESPECT TO THE NATURE OF THE OCEAN-CONTINENT TRANSITION AND THE ORIGIN OF LANCASTER

SOUND.

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JACKSON, H.R., KEEN, C.E., FALCONER, R.K.H., APPLETON, K.P. 1979. NEW GEOPHYSICAL EVIDENCE FOR SEA FLOOR SPREADING IN CENTRAL BAFFIN BAY. CANADIAN JOURNAL OF EARTH SCIENCES 16(11): 2122-2135.

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JACKSON, H.R., KOPPEN, L. 1985. THE NARES STRAIT GRAVITY ANOMALY AND ITS IMPLICATIONS FOR CRUSTAL STRUCTURE. CANADIAN JOURNAL OF EARTH SCIENCES 22(9): 1322-1328.

TWO GRAVITY PROFILES ACROSS ELLESMERE ISLAND AND NARES STRAIT REVEAL A NEGATIVE ANOMALY OF -100 TO -120 MGALS THAT IS PART OF A REGIONAL LOW ALONG NARES STRAIT. MODELLING INDICATES THE ANOMALY CANNOT BE CAUSED BY THE WATER OR SEDIMENT IN THE STRAIT. THE ANOMALY MODELLING CONTROLLED BY AVAILABLE GEOLOGICAL AND GEOPHYSICAL CONSTRAINT SUGGESTS THE M DISCONTINUITY INCREASES IN DEPTH FROM GREENLAND TO ELLESMERE ISLAND. THIS DIP IS CONSISTENT WITH PLATE RECONSTRUCTION.

943

JACKSON, H.R., KOPPEN, L. 1986. THE NARES STRAIT GRAVITY ANOMALY AND ITS IMPLICATIONS FOR CRUSTAL STRUCTURE: REPLY. CANADIAN JOURNAL OF EARTH SCIENCES 23: 2082.

THE REPLY MAKES CLEAR THAT THE NATIONAL GRAVITY DATA BASE WHICH IS CITED IN THE PAPER AND FORMS THE BASIS OF THE GRAVITY CONTOUR MAP INCLUDES THE CRITICAL INFORMATION THAT THE DISCUSSION SUGGESTS.

944

JACKSON, H.R. (ED.), MUDIE, P.J. (ED.), BLASCO, S.M. (ED.) 1985. INITIAL GEOLOGICAL REPORT ON CESAR - THE CANADIAN EXPEDITION TO STUDY THE ALPHA RIDGE, ARCTIC OCEAN. GEOLOGICAL SURVEY OF CANADA PAPER 84-22. 177P.

THIS PAPER DESCRIBES THE 16 PISTON AND 12 GRAVITY CORES, BEDROCK SAMPLES AND RELATED GEOPHYSICAL AND GEOLOGICAL DATA OBTAINED AT CESAR. THE LATE PLIOCENE TO HOLOCENE RECORD IS CAREFULLY DOCUMENTED. IN ADDITION, A LATE CAMPANION AGE IS ASSIGNED TO THE BASE OF CORE 6. A FRAGMENTAL VOLCANIC ROCK WAS DREDGED FROM AN OUTCROP OF ACOUSTIC BASEMENT. THIS INFORMATION RESTRICTS THE AGE AND ORIGIN OF THE ALPHA RIDGE.

945

JACKSON, H.R., REID, I. 1983. OCEANIC MAGNETIC ANOMALY AMPLITUDES: VARIATION WITH SEA-FLOOR SPREADING RATE AND POSSIBLE IMPLICATIONS. EARTH AND PLANETARY SCIENCE LETTERS 63(3): 368-378.

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JACKSON, H.R., REID, I., FALCONER, R.K.H. 1982. CRUSTAL STRUCTURE NEAR THE ARCTIC MID-OCEAN RIDGE. JOURNAL OF GEOPHYSICAL RESEARCH 87(B3): 1773-1783.

SEISMIC REFLECTION AND CRUSTAL REFRACTION WAS CARRIED OUT NEAR THE SLOW

SPREADING ARCTIC MID-OCEAN RIDGE CRUST. THE MOST IMPORTANT SINGLE RESULT IS THAT OCEANIC CRUST FORMED AT A SLOW SPREADING RIDGE IS THIN.

947

JACKSON, R. 1986. ICE ISLAND LAB SHOWS PETROLEUM POTENTIAL. GEOS 15(2): 1-4.

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JACKSON, R., KEEN, C.E., KEEN, M.J. 1974. SEISMIC STRUCTURE OF THE CONTINENTAL MARGINS AND OCEAN BASINS OF SOUTHEASTERN CANADA. GEOLOGICAL SURVEY OF CANADA PAPER 74-51. 13P. (BIO CONTRIBUTION NO. 580) SEVEN CRUSTAL REFRACTION LINES ARE DESCRIBED: SIX ARE USED IN DELINEATING THE CONTINENT-OCEAN TRANSITION. THE VELOCITIES FROM TWENTY-THREE EXPENDABLE SONOBUOYS ARE GROUPED BY AREA.

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JACKSON, R., MUDIE, P. 1984. CESAR CORES: GEOLOGICAL TIME CAPSULES. GEOS 13(2): 15-18.

CORES FROM THE ALPHA RIDGE INDICATE FOR THE LAST 4 MILLION YEARS THE ARCTIC OCEAN HAS BEEN COLD AND HAS HAD LOW PRODUCTIVITY IN CONTRAST TO 5 MILLION YEARS AGO THE ARCTIC OCEAN WAS WARM AND PLANCTON RICH.

950

JACKSON, A.E. 1986. SEDIMENT THICKNESS MAP, OFFSHORE EASTERN CANADA. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1177: 2 MAPS.

COMPILED FROM BASEMENT STRUCTURE MAP - 1400A AND BATHYMETRY FROM C.H.S. CHARTS, SUPPLEMENTED BY B.G.R. SEISMIC DATA IN LABRADOR SEA AND I.O.L. AND G.S.I. SEISMIC DATA IN WESTERN GRAND BANKS AREA.

951

JACQUES, MCCLELLAND GEOSCIENCES INC., [LEWIS, C.F.M.] 1986. 1985 SABLE ISLAND BOREHOLE PROJECT (REPORT TO CENTRE FOR MARINE GEOLOGY, DALHOUSIE UNIVERSITY AND THE ATLANTIC GEOSCIENCE CENTRE). GEOLOGICAL SURVEY OF CANADA OPEN FILE 1343: 28P.

A 151.5M BOREHOLE ON THE SCOTIAN SHELF INDICATES THAT DENSE SANDS PREDOMINATE TO A SUBBOTTOM DEPTH OF 85M HARD CLAYS FROM 85.146M, AND LAYERED SAND AND CLAY FROM 146-151.5M. GAMMA LOGGING OF THE BOREHOLE REFLECT THESE LITHOLOGIC DIFFERENCES. ON SITE GEOTECHNICAL TESTING INFERS THAT THE CLAYS ARE, FOR THE MOST PART, NORMALLY CONSOLIDATED. MORE LABORATORY TESTING OF THE SEDIMENT IS REQUIRED.

952

JACQUES, WHITFORD AND ASSOCIATES LTD., PARROTT, R. 1986. COMPILATION OF SAMPLE TEST LOCATIONS FOR THE INITIATION OF A GEOTECHNICAL ZONATION ON THE EASTERN CONTINENTAL MARGIN. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1344: 128P.

THIS REPORT IS A COMPILATION OF AVAILABLE GEOTECHNICAL DATA ON THE EASTERN CONTINENTAL MARGIN. DATA INCLUDES SAMPLE LOCATIONS, WATER DEPTHS, SAMPLE TEST DEPTH, NUMBER OF SAMPLES RECOVERED, TESTS PERFORMED OWNER OF DATA,

AND LOCATION OF DATA REPORTS. 281 OFFSHORE BORINGS, 617 PISTON CORES, 303 GRAVITY CORES, 144 VIBRACORES, AND 137 OTHER CORES ARE LISTED.

953

JAMIESON, R.A. 1981. THE GEOLOGY OF THE CROWDIS MOUNTAIN VOLCANICS SOUTHERN CAPE BRETON HIGHLANDS. GEOLOGICAL SURVEY OF CANADA PAPER 81-1C: 77-81.

954

JANSA, L.F. 1970. STRATIGRAPHY AND SEDIMENTOLOGY OF THE ORDOVICIAN AND LOWER DEVONIAN STRATA IN PINE PASS MAP-AREA, BRITISH COLUMBIA. GEOLOGICAL SURVEY OF CANADA PAPER 70-1B: 83-88.

THE PAPER REPORTS THE RESULTS OF FIELD WORK IN THE PINE PASS AREA, BRITISH COLUMBIA. THE FIELD STUDY ALLOWED RECOGNITION OF TEN LITHOSTRATIGRAPHIC UNITS IN THE ORDOVICIAN AND FOUR UNITS IN THE EARLY AND MIDDLE DEVONIAN. BRIEF CHARACTERISTICS OF THE UNITS AND THEIR DEPOSITIONAL SETTING, WHICH VARIED FROM DEEPER SHELF AND SLOPE TO TIDAL FLAT ENVIRONMENT, ARE DISCUSSED. A PALEOBATHYMETRIC CURVE FOR THE ORDOVICIAN-MIDDLE DEVONIAN OF THE AREA HAS BEEN CONSTRUCTED.

955

JANSA, L.F. 1972. DEPOSITIONAL HISTORY OF THE COAL-BEARING UPPER JURASSIC-LOWER CRETACEOUS KOOTENAY FORMATION, SOUTHERN ROCKY MOUNTAINS, CANADA. GEOLOGICAL SOCIETY OF AMERICA BULLETIN 83(11): 3199-3222.

FIELD STUDIES OF OUTCROPS OF THE COAL-BEARING UPPER JURASSIC-LOWER CRETACEOUS KOOTENAY FORMATION IN THE SOUTHERN ROCKY MOUNTAINS WERE COMBINED WITH LABORATORY PETROGRAPHIC STUDIES, AND COMPLEMENTED BY INTERPRETATION OF MECHANICAL LOGS OF BOREHOLES. THIS PERMITTED ESTABLISHMENT OF A REGIONAL STRATIGRAPHIC FRAMEWORK OF THE SEDIMENTARY SEQUENCES AND DETERMINATION OF THE DEPOSITIONAL SETTING. FROM THE REGIONAL CORRELATION OF THE SEQUENCES AND COAL SEAMS A DEPOSITIONAL MODEL FOR THE COAL-BEARING.

956

JANSA, L.F. 1974. STRATIGRAPHY AND SEDIMENTOLOGY OF THE MESOZOIC AND TERTIARY ROCKS OF THE ATLANTIC SHELF. GEOLOGICAL SURVEY OF CANADA PAPER 74-1B: 141-143.

A REPORT OF THE DEPOSITIONAL HISTORY OF THE GRAND BANKS.

957

JANSA, L.F. 1974. TRACE FOSSILS FROM THE CAMBRO-ORDOVICIAN COW HEAD GROUP, NEWFOUNDLAND, AND THEIR PALEOBATHYMETRIC IMPLICATION. PALAEOGEOGRAPHY, PALAEOCLIMATOLOGY, PALAEOECOLOGY 15: 233-244. (BIO CONTRIBUTION NO. 461) DEMONSTRATES THE DIFFERENT ORIGINS OF THE ARENICOLITES TRACE FOSSILS AND RELATES THIS FINDING TO THE PALEOBATHYMETRIC INTERPRETATION OF THE SEDIMENTS.

958

JANSA, L.F. 1975. THE CENTRAL NORTH ATLANTIC BASIN - ITS BIRTH AND DISAPPEARANCE. IN: THEME 5, SYNTHESE SEDIMENTOLOGIQUE DES BASSINS

SEDIMENTAIRES, INTERNATIONAL SEDIMENTOLOGICAL CONGRESS (19TH : 1975 : NICE), TOME 2.: 231-235.

THIS PAPER DESCRIBES THE PALEOGEOGRAPHIC RECONSTRUCTION OF THE CENTRAL NORTH ATLANTIC BASIN.

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JANSA, L. 1975. TIDAL DEPOSITS IN THE MONKMAN QUARTZITE (LOWER ORDOVICIAN) NORTH-EASTERN BRITISH COLUMBIA, CANADA. IN: TIDAL DEPOSITS: A CASEBOOK OF RECENT EXAMPLES AND FOSSIL COUNTERPARTS, ED., R.N. GINSEBURG. NEW YORK: SPRINGER-VERLAG. P.153-161.

DESCRIBES AND INTERPRETS TIDAL DEPOSITS OF ORDOVICIAN AGE AND PRESENTS CRITERIA FOR THEIR RECOGNITION.

960

JANSA, L.F. 1976. LOWER PALEOZOIC RADIOLARIA-BEARING LIMESTONES FROM THE BAFFIN ISLAND SHELF. GEOLOGICAL SURVEY OF CANADA PAPER 76-1B: 99-105.

DESCRIPTION OF THE FIRST RADIOLARIAN-BEARING LIMESTONES RETRIEVED FROM THE BAFFIN SHELF.

961

JANSA, L. 1977. STRATIGRAPHIC SYNTHESIS AND HYDROCARBON POTENTIAL OF CENTRAL NORTH ATLANTIC MESOZOIC [ABSTRACT]. AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS BULLETIN 61(5): 799-800.

962

JANSA, L.F. 1978. LE CRETACE AU LARGE DE LA MARGE IBERIQUE. CAHIERS DE MICROPALÉONTOLOGIE 4: 47-55.

NEW INTERPRETATION OF THE GEOLOGIC HISTORY OF THE DEEPER MARGIN OFF PORTUGAL, BASED ON RESULTS OF THE DSDP LEG 48B AND THE AUTHOR'S STUDIES OF THE MESOZOIC OF THE CENTRAL NORTH ATLANTIC BASIN.

963

JANSA, L.F. 1978. STRATIGRAPHIC SYNTHESIS AND HYDROCARBON POTENTIAL OF THE CENTRAL NORTH ATLANTIC MESOZOIC [ABSTRACT]. CANADIAN SOCIETY OF PETROLEUM GEOLOGISTS, RESERVOIR 5(2): 1-2.

964

JANSA, L.F. 1979. MESOZOIC-CENOZOIC SEDIMENTARY FORMATIONS OF THE NORTH AMERICAN BASIN, WESTERN NORTH ATLANTIC [ABSTRACT]. AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS BULLETIN 63(3): 475.

965

JANSA, L.F. 1980. SEDIMENTARY PROCESSES IN THE NORTH ATLANTIC AND THEIR SIGNIFICANCE IN PLATE TECTONIC RECONSTRUCTIONS [ABSTRACT]. GEOLOGICAL ASSOCIATION OF CANADA / MINERALOGICAL ASSOCIATION OF CANADA PROGRAM WITH ABSTRACTS 5: 64.

966

JANSA, L.F. 1981. MESOZOIC CARBONATE PLATFORMS AND BANKS OF THE EASTERN NORTH AMERICAN MARGIN. IN: CARBONATE PLATFORMS OF THE PASSIVE-TYPE CONTINENTAL MARGINS: PRESENT AND PAST, ED., M.B. CITA AND W.B.F. RYAN. MARINE GEOLOGY 44(1/2): 97-117.

THE EVOLUTION, POSITION AND COMPOSITION OF THE CARBONATE PLATFORMS CONSTRUCTED NEAR THE EDGE OF THE PALEOSHELF IS PRESENTED AND INTERPRETED IN THE CONTEXT OF PLATE MOTION.

967

JANSA, L.F. 1981. STORM DOMINATED SHALLOW MARINE DEPOSITS: THE FERNIE-KOOTENAY (JURASSIC) TRANSITION, SOUTHERN ROCKY MOUNTAINS; DISCUSSION. CANADIAN JOURNAL OF EARTH SCIENCES 18(3): 665-666.

968

JANSA, L.F. 1982. CONFERENCE REPORTS: HYDROCARBON OCCURRENCES IN CARBONATE ROCKS: ASCOPE/CCOP WORKSHOP, SURABAYA, INDONESIA, AUGUST 2-8, 1982. EPISODES 1982(4): 34.

969

JANSA, L.F. 1982. DEVELOPMENT AND HYDROCARBON POTENTIAL, CARBONATE PLATFORMS OFFSHORE NORTHEASTERN AMERICA [ABSTRACT]. AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS BULLETIN 66(5): 585.

970

JANSA, L.F. 1982. EVOLUTION AND PALEOCEANOGRAPHY OF THE NORTH ATLANTIC PASSIVE CONTINENTAL MARGIN [ABSTRACT]. IN: JOINT OCEANOGRAPHIC ASSEMBLY (1982 : HALIFAX, N.S.), ABSTRACTS. HALIFAX: THE CONFERENCE. P.22.

971

JANSA, L.F. 1982. SEDIMENTARY BASINS: AN INTRODUCTION [ABSTRACT]. IN: INTERNATIONAL CONGRESS ON SEDIMENTOLOGY (11TH : 1982 : MCMASTER UNIVERSITY, HAMILTON, ONT.), ABSTRACTS OF PAPERS. HAMILTON: MCMASTER UNIVERSITY, DEPT. OF GEOLOGY. P.41.

972

JANSA, L.F. 1982. THE DEEP SEA DRILLING PROJECT: A DECADE OF PROGRESS, ED., J.E. WARME, R.G. DOUGLAS AND E.L. WINTERER [BOOK REVIEW]. EPISODES 1982(2): 38-39.

973

JANSA, L.F. 1982. THE EARLY NORTH ATLANTIC. BIO REVIEW '82: 38-42.

FROM DEEP SEA DRILLING DATA, PARTICULARLY RESULTS OF LEG 79, THE FIRST 30 MILLION YEARS OF THE NORTH ATLANTIC SEDIMENTARY BASIN ARE RECONSTRUCTED.

974

JANSA, L.F. 1983. CARBONATE DEPOSITIONAL ENVIRONMENTS, ED., P.A. SCHOLLE, D.G. BEBOUT, AND C.H. MOORE [BOOK REVIEW]. EPISODES 6(4): 47-48.

975

- JANSA, L.F. 1984. MESOZOIC AND TERTIARY GEOLOGY OF SOUTHERN AFRICA, BY R.V. DINGLE, W.G. SIESSER AND A.R. NEWTON [BOOK REVIEW]. GEOSCIENCE CANADA 11(4): 215-216.

THE BOOK PROVIDES A COMPREHENSIVE COMPILATION OF THE MESOZOIC-CENOZOIC GEOLOGY OF SOUTHERN AFRICA, THE ADJACENT CONTINENTAL MARGINS AND THE DEEP BASINS SURROUNDING SOUTHERN AFRICA.

976

- JANSA, L.F. 1984. MESOZOIC CARBONATE DEPOSITION ON THE OUTER CONTINENTAL MARGIN OFF MOROCCO. IN: INITIAL REPORTS OF THE DEEP SEA DRILLING PROJECT, [BY] K. HINZ, E.L. WINTERER, ET AL. WASHINGTON: U.S. GOVERNMENT PRINTING OFFICE. V.79: 857-891.

DESCRIBES RESULTS OF DEEP SEA DRILLING ON THE OUTER SLOPE OF THE MAZAGAN PLATEAU, OFFSHORE MOROCCO. DRILLING DOCUMENTED ACCUMULATION OF CARBONATE DEBRIS FROM THE PLATFORM AND THE SLOPE, LACK OF POROSITY AND SOURCE AT UPPER SLOPE, SEVERAL PERIODS OF TECTONISM AND THE CHARACTERISTICS OF BOTTOM CONDITIONS DURING EARLY JURASSIC

977

- JANSA, L.F. 1986. PALEOCEANOGRAPHY AND EVOLUTION OF THE NORTH ATLANTIC OCEAN BASIN DURING THE JURASSIC. IN: THE GEOLOGY OF NORTH AMERICA, VOLUME M, THE WESTERN NORTH ATLANTIC REGION, ED., P.R. VOGT AND B.E. TUCHOLKE. BOULDER, CO: THE GEOLOGICAL SOCIETY OF AMERICA. P.603-616. (GSC CONT. 39686) THE PRINCIPAL GEOLOGIC RESOURCES OF THE WESTERN NORTH ATLANTIC BASIN PROBABLY INCLUDE PETROLEUM, FERROMANGANESE NODULES AND CRUST, PHOSPHORITES, MID-OCEAN RIDGE SULFIDES AND GEOTHERMAL ENERGY. TO DATE ONLY GEOTHERMAL ENERGY HAS BEEN DEVELOPED. THE MOST VALUABLE RESOURCE MAY BE PETROLEUM, ONCE TECHNIQUE AND ECONOMY ALLOWS TO DRILL AND PRODUCE WELLS LOCATED IN A DEEP WATER.

978

- JANSA, L.F. 1986. PALEOCEANOGRAPHY AND EVOLUTION OF THE NORTH ATLANTIC OCEAN BASIN DURING THE JURASSIC. IN: THE WESTERN NORTH ATLANTIC REGION, ED., P.R. VOGT AND B.E. TUCHOLKE. BOULDER, CO: GEOLOGICAL SOCIETY OF AMERICA. P.603-616. (THE GEOLOGY OF NORTH AMERICA VOL. M) (DECADE OF NORTH AMERICAN GEOLOGY PROJECT).

JURASSIC PALEOCIRCULATION IS INTERPRETED FROM SEDIMENTOLOGICAL DATA OBTAINED FROM STUDIES OF DSDP HOLES IN THE NORTH ATLANTIC, OIL EXPLORATORY WELLS FROM THE NORTH AMERICAN CONTINENTAL MARGIN AND FIELD STUDIES IN EUROPE AND NW AFRICA. LITHOFACIES MAPS FOR THE CIRCUM NORTH ATLANTIC REGION WERE CONSTRUCTED. POSITIONS OF SEAWAYS, SURFACE AND BOTTOM CIRCULATION AND AREAS OF UPWELLING ARE PLOTTED ON BASIN RESTORATION MAPS.

979

- JANSA, L.F. 1987. FIRST METEORITE IMPACT INTO OCEAN DISCOVERED [ABSTRACT]. GEOLOGICAL ASSOCIATION OF CANADA/MINEROLOGICAL ASSOCIATION OF CANADA ANNUAL MEETING, ABSTRACTS 12: 58.

DETAILED PETROGRAPHIC AND GEOCHEMICAL STUDIES SUPPORT INTERPRETATION OF THE MONTAGNAIS STRUCTURE TO BE OF EXTRATERRESTRIAL ORIGIN. THE STRUCTURE WAS PRODUCED BY AN IMPACT OF EITHER APOLLO TYPE STONE METEORITE OR BY A COMETARY NUCLEUS. THE IMPACT OCCURRED PROBABLY DURING LATE PALEOCENE-EARLY EOCENE TIME AND PRODUCED A SUBMARINE CRATER MORE THAN 32 KM WIDE 3.5 KM DEEP.

980

- JANSA, L.F., ASCOLI, P., REMANE, J. 1980. CALPIONELLID AND FORAMINIFERAL-OSTRACOD BIOSTRATIGRAPHY AT THE JURASSIC-CRETACEOUS BOUNDARY, OFFSHORE EASTERN CANADA [ABSTRACT]. GEOLOGICAL ASSOCIATION OF CANADA ANNUAL MEETING ABSTRACTS 5: 64.

FOR THE FIRST TIME IN CANADA CALPIONELLID STANDARD BIOZONATION HAS BEEN USED FOR PRECISELY ESTABLISHING THE JURASSIC-CRETACEOUS BOUNDARY AND FOR CALIBRATING RANGES OF FORAMINIFERAL AND OSTRACOD SPECIES NEAR THIS BOUNDARY. PRESENCE OF TETHYAN FORAMINIFERAL SPECIES ON THE CANADIAN ATLANTIC SHELF IS EMPHASIZED AND RELATIONSHIPS BETWEEN TETHYAN AND BOREAL SPECIES DISCUSSED.

981

- JANSA, L.F., BUJAK, J.P., WILLIAMS, G.L. 1980. UPPER TRIASSIC SALT DEPOSITS OF THE WESTERN NORTH ATLANTIC. CANADIAN JOURNAL OF EARTH SCIENCES 17(5): 547-559. (BIO CONTRIBUTION NO. 965) A LATERAL FRACTIONATION MODEL IS PROPOSED TO EXPLAIN THE GEOGRAPHIC AND CHEMICAL DISTRIBUTION OF TRIASSIC-LOWER JURASSIC EVAPORITES IN THE EARLY NORTH ATLANTIC.

982

- JANSA, L.F. (ED.), BUROLLET, P.F. (ED.), GRANT, A.C. (ED.) 1984. BASIN ANALYSIS: PRINCIPLES AND APPLICATIONS. SEDIMENTARY GEOLOGY 40(1/3). 215P.

983

- JANSA, L.F., CAROZZI, A.V. 1970. EXOTIC PEBBLES IN LA SALLE LIMESTONE (UPPER PENNSYLVANIAN), LA SALLE, ILLINOIS. JOURNAL OF SEDIMENTARY PETROLOGY 40(2): 688-694.

TRANSPORTATION BY MASS FLOW IS SUGGESTED FOR THE DEPOSITION OF EXOTICS IN THE LA SALLE LIMESTONES.

984

- JANSA, L.F., ENOS, P., TUCHOLKE, B.E., GRADSTEIN, F.M., SHERIDAN, R.E. 1979. MESOZOIC-CENOZOIC SEDIMENTARY FORMATIONS OF THE NORTH AMERICAN BASIN; WESTERN NORTH ATLANTIC. IN: DEEP DRILLING RESULTS IN THE ATLANTIC OCEAN: CONTINENTAL MARGINS AND PALEOENVIRONMENT, ED., M. TALWANI, W. HAY AND W.B.F. RYAN. WASHINGTON: AMERICAN GEOPHYSICAL UNION. P.1-57. (MAURICE EWING SERIES 3) (BIO CONTRIBUTION NO. 964).

THIS IS THE FIRST ATTEMPT TO ESTABLISH MODERN OCEAN BASIN STRATIGRAPHY IN THE NORTH ATLANTIC. STRATIGRAPHIC RESULTS OF TEN YEARS OF DEEP SEA DRILLING IN THE WESTERN NORTH ATLANTIC HAVE BEEN COMPILED. A STRATIGRAPHIC FRAMEWORK FOR THE MESOZOIC-CENOZOIC BASIN IS ESTABLISHED AND

FORMAL STRATIGRAPHIC NOMENCLATURE FOR SEDIMENTARY SEQUENCES OF THE NORTH AMERICAN BASIN IS PRESENTED. GEOLOGIC DEVELOPMENT OF THE BASIN IS DISCUSSED FROM THE PRESENTED DATA.

985

JANSA, L.F., FISCHBUCH, N.R. 1974. EVOLUTION OF A MIDDLE AND UPPER DEVONIAN SEQUENCE FROM A CLASTIC COASTAL PLAIN-DELTAIC COMPLEX INTO OVERLYING CARBONATE REEF COMPLEXES AND BANKS, STURGEON-MITSUE AREA, ALBERTA. GEOLOGICAL SURVEY OF CANADA BULLETIN 234. 105P.

THE MIDDLE AND UPPER DEVONIAN ROCKS OF WEST-CENTRAL ALBERTA CONSIST OF EVAPORITES, CLASTICS, AND CARBONATES, INCLUDING REEF-BANKS. THE LATTER ARE IMPORTANT RESERVOIR ROCKS FOR LIQUID HYDROCARBONS. THE MODEL DEVELOPED TO EXPLAIN THE DEPOSITIONAL HISTORY IS BASED ON EXTENSIVE DRILLING DATA. THE CLOSE WELL CONTROL ALLOWS RECONSTRUCTION OF THE PALEOGEOGRAPHY AND PALEOTOPOGRAPHY OF THE SWAN HILLS REGION. FROM SEQUENTIAL ANALYSIS OF THE SEDIMENTARY SEQUENCES, IT CAN BE SHOWN THAT THE

986

JANSA, L., GARDNER, J.V., DEAN, W.E. 1978. MESOZOIC SEQUENCES OF THE CENTRAL NORTH ATLANTIC. IN: INITIAL REPORTS OF THE DEEP SEA DRILLING PROJECT, Y. LANCELOT, E. SEIBOLD, ET AL. WASHINGTON: U.S. GOVERNMENT PRINTING OFFICE. V.41: 991-1032. (BIO CONTRIBUTION NO. 819) RESULTS OF A COMPREHENSIVE REGIONAL STUDY OF MESOZOIC SEDIMENTARY SEQUENCES DRILLED BY DSDP IN THE SOUTHERN NORTH ATLANTIC ARE PUBLISHED FOR THE FIRST TIME. THE STUDY DEMONSTRATED THE SIMILARITY BETWEEN THE DEVELOPMENT OF MESOZOIC SEDIMENTS IN BOTH THE WESTERN AND EASTERN NORTH ATLANTIC.

987

JANSA, L.F., GRADSTEIN, F.M., HARRIS, I.M., JENKINS, W.A.M., WILLIAMS, G.L. 1976. STRATIGRAPHY OF THE AMOCO-IOE MURRE G-67 WELL, GRAND BANKS OF NEWFOUNDLAND. GEOLOGICAL SURVEY OF CANADA PAPER 75-30. 14P.

THIS PAPER DESCRIBES THE MOST COMPLETE JURASSIC STRATIGRAPHIC SEQUENCE FOUND IN EASTERN NORTH AMERICA, SEDIMENT COMPOSITION AND ENVIRONMENTS OF DEPOSITION, AND INDICATED AFFINITIES WITH THE EUROPEAN JURASSIC SEQUENCES.

988

JANSA, L.F., GRADSTEIN, F.M., WILLIAMS, G.L., JENKINS, W.A.M. 1977. GEOLOGY OF THE AMOCO IMP SKELLY A-1 OSPREY H-84 WELL, GRAND BANKS, NEWFOUNDLAND. GEOLOGICAL SURVEY OF CANADA PAPER 77-21. 17P.

UPPER TRIASSIC EVAPORITES ARE RECORDED IN THE NORTHWEST ATLANTIC FOR THE FIRST TIME. THESE ARE SEQUENTIALLY OVERLAIN BY MARINE LOWER JURASSIC, UPPER CRETACEOUS, AND TERTIARY SEDIMENTS.

989

JANSA, L.F., MACQUEEN, R.W. 1978. STRATIGRAPHY AND HYDROCARBON POTENTIAL OF THE CENTRAL NORTH ATLANTIC BASIN. GEOSCIENCE CANADA 5(4): 176-183.

THE HYDROCARBON POTENTIAL OF THE BASIN IS DISCUSSED ON THE BASIS OF DSDP DATA AND OIL EXPLORATION RESULTS ON THE AMERICAN SHELF.

990

- JANSA, L.F., MAMET, B.L. 1984. OFFSHORE VISEAN OF EASTERN CANADA; PALEOGEOGRAPHIC AND PLATE TECTONIC IMPLICATIONS. IN: INTERNATIONAL CONGRESS OF CARBONIFEROUS STRATIGRAPHY AND GEOLOGY (9TH : 1979 : WASHINGTON, D.C. AND UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN), COMPTE RENDU; VOL.3, ED., E.S. BELT AND R.W. MACQUEEN. CARBONDALE AND EDWARDSVILLE: SOUTHERN ILLINOIS UNIVERSITY PRESS. P.205-214.

NEW PALEONTOLOGICAL DATA FROM VISEAN LIMESTONE OFF NEWFOUNDLAND DEMONSTRATE THAT CURRENT PLATE TECTONICS RECONSTRUCTION OF THE CARBONIFEROUS ARE IN CONFLICT AND NEW RECONSTRUCTION IS SUGGESTED IN THE PAPER.

991

- JANSA, L.F., MAMET, B., ROUX, A. 1978. VISEAN LIMESTONES FROM THE NEWFOUNDLAND SHELF. CANADIAN JOURNAL OF EARTH SCIENCES 15(9): 1422-1436. (BIO CONTRIBUTION NO. 782).

SEDIMENTOLOGICAL AND MICROPALAEONTOLOGICAL STUDIES OF THE LOWER CARBONIFEROUS LIMESTONES OFF NORTHEAST NEWFOUNDLAND ALLOW COR RELATION WITH THE WINDSOR LIMESTONE OF NOVA SCOTIA. DISCREPANCIES IN CURRENT PALEOGEOGRAPHIC AND PLATE TECTONIC RESTORATIONS OF EASTERN CANADA AND EUROPE ARE DISCUSSED.

992

- JANSA, L.F., PE-PIPER, G. 1985. EARLY CRETACEOUS VOLCANISM ON THE NORTHEASTERN AMERICAN MARGIN AND IMPLICATIONS FOR PLATE TECTONICS. GEOLOGICAL SOCIETY OF AMERICA BULLETIN 96(1): 83-91.

993

- JANSA, L.F., PE-PIPER, G. 1985. PALEOZOIC IN THE NORTHUMBERLAND STRAIT AND TECTONIC SIGNIFICANCE OF INTERCALATED IGNEOUS ROCKS [ABSTRACT]. IN: TECTONIC MODELS FOR THE EVOLUTION OF THE APPALACHIAN REGION; ABSTRACTS, ATLANTIC GEOSCIENCE SOCIETY 1985 SYMPOSIUM. MARITIME SEDIMENTS AND ATLANTIC GEOLOGY 21(1/3): 44.

THE OFFSHORE OIL EXPLORATORY WELL HB FINA NORTHUMBERLAND STRAIT F-25 PENETRATED A PALEOZOIC SEQUENCE COMPOSED OF 3 KM OF DEVON-CARBONIFEROUS SEDIMENTS WHICH UNCONFORMABLY OVERLY METAMORPHOSED ORDOVICIAN-SILURIAN METASEDIMENTS AND METAVOLCANICS. TWO IGNEOUS HORIZONS ENCOUNTERED IN THE WELL HAVE DIFFERENT HISTORIES. THE OLDER IS LOWER SILURIAN BASALT FLOWS, THE UPPER A TRIASSIC DYKE.

994

- JANSA, L.F., PE-PIPER, G. 1986. GEOLOGY AND GEOCHEMISTRY OF MIDDLE JURASSIC AND EARLY CRETACEOUS IGNEOUS ROCKS ON THE EASTERN NORTH AMERICAN CONTINENTAL SHELF. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1351: 104P.

ALKALINE BASALT FLOWS, SILLS, DYKES LOCALLY ASSOCIATED WITH VOLCANICLASTICS ARE PRESENT ON THE SHELF FROM GRAND BANKS TO THE BALTIMORE

CANYON TROUGH. THE LATE MIDDLE JURASSIC IGNEOUS ACTIVITY WAS OF A SHORT DURATION, WITH THE EARLY CRETACEOUS ONE LASTING FOR 40 M.Y. IGNEOUS ACTIVITY IN TIME AND LOCATION IS RELATED TO THE CONTINENTAL PLATES REORGANIZATION, PARTICULARLY INFLUENCED BY LABRADOR SEA OPENING.

995

JANSA, L.F., PE-PIPER, G. 1988. MIDDLE JURASSIC TO EARLY CRETACEOUS IGNEOUS ROCKS ALONG EASTERN NORTH AMERICAN CONTINENTAL MARGIN. AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS BULLETIN 72(3): 347-366. (GEOLOGICAL SURVEY OF CANADA CONTRIBUTION 31386) MIDDLE JURASSIC AND EARLY CRETACEOUS IGNEOUS AND VOLCANIC ROCKS WERE ENCOUNTERED IN OIL EXPLORATORY WELLS FROM BALTIMORE CANYON TROUGH TO GRAND BANKS. RECOGNIZED WERE DYKES, DYKE SWARMS, SILLS, FLOWS AND VOLCANIC CONES MOSTLY CONSTRUCTED BY ALKALINE MAFIC ROCKS. THE IGNEOUS ACTIVITY IS RELATED TO THE PERIOD OF CONTINENTAL PLATES REARRANGEMENT.

996

JANSA, L.F., PE-PIPER, G., ROBERTSON, B., FRIEDENREICH, O. 1987. FIRST METEORITE IMPACT CRATER IN THE OCEAN DISCOVERED [ABSTRACTS]. GEOLOGICAL SOCIETY OF AMERICA, ABSTRACTS WITH PROGRAMS 19(7): 716.

GEOPHYSICAL, GEOCHEMICAL, PETROGRAPHIC STUDIES POINT TO THE CONCLUSION THAT CIRCULAR FRACTURE BURNED BY TERTIARY DEPOSITS AT THE OUTER SHELF OFF NOVA SCOTIA RESULTED FROM AN IMPACT OF A STONY METEORITE, 1.5 - 3 KM IN DIAMETER.

997

JANSA, L.F., REMANE, J., ASCOLI, P. 1980. CALPIONELLID AND FORAMINIFERAL-OSTRACOD BIOSTRATIGRAPHY AT THE JURASSIC-CRETACEOUS BOUNDARY, OFFSHORE EASTERN CANADA. RIVISTA ITALIANA DI PALEONTOLOGIA E STRATIGRAFIA 86(1): 67-126.

FIRST DESCRIPTION OF CALPIONELLID OCCURRENCES ON THE WESTERN NORTH ATLANTIC MARGIN. THE OCCURRENCE IS IMPORTANT TO DELINEATION OF THE JURASSIC-CRETACEOUS BOUNDARY. RESULTS ARE ALSO INTERPRETED IN VIEW OF PALEOOCEANOGRAPHIC FACTORS IN THE NORTH ATLANTIC.

998

JANSA, L.F., TERMIER, G., TERMIER, H. 1982. LES BIOHERMES A ALGUES, SPONGIAIRES ET CORAUX DES SERIES CARBONATEES DE LA FLEXURE BORDIERE DU "PALEOSHELF" AU LARGE DU CANADA ORIENTAL. REVUE DE MICROPALÉONTOLOGIE 25(3): 181- 219.

THE PAPER GIVES A SYSTEMATIC DESCRIPTION OF JURASSIC SPONGE FAUNA RECOVERED IN CORES FROM EAST COAST OFFSHORE WELLS. THE SPONGE ASSEMBLAGES ARE COMPARED WITH COEVAL EUROPEAN ASSEMBLAGES. THERE IS ALSO A DISCUSSION OF THE EVOLUTION OF HYDROZOAN REEF FAUNA AND THEIR CONTRIBUTION TO REEF FORMATION.

999

JANSA, L.F. (COMP.), TUCHOLKE, B. (COMP.) 1986. PALEOGEOGRAPHY: TRIASSIC TO LATE CRETACEOUS. IN: THE WESTERN NORTH ATLANTIC REGION, ED., P.R. VOGT

AND B.E. TUCHOLKE. BOULDER, CO: GEOLOGICAL SOCIETY OF AMERICA. P. PLATE 9. (THE GEOLOGY OF NORTH AMERICA VOL. M) (DECADE OF NORTH AMERICAN GEOLOGY PROJECT).

1000

JANSA, L.F., WADE, J.A. 1974. GEOLOGY OF THE CONTINENTAL MARGIN OF SOUTHEASTERN CANADA [ABSTRACT]. IN: GAC/MAC '74; ANNUAL MEETINGS, GEOLOGICAL ASSOCIATION OF CANADA [AND] MINERALOGICAL ASSOCIATION OF CANADA (1974 : ST. JOHN'S, NFLD.), PROGRAM ABSTRACTS, 3RD CIRCULAR. [ST. JOHN'S: THE CONFERENCE]. P.45.

1001

JANSA, L.F., WADE, J.A. 1975. GEOLOGY OF THE CONTINENTAL MARGIN OFF NOVA SCOTIA AND NEWFOUNDLAND. IN: OFFSHORE GEOLOGY OF EASTERN CANADA: VOLUME 2 - REGIONAL GEOLOGY, ED., W.J.M. VAN DER LINDEN AND J.A. WADE. GEOLOGICAL SURVEY OF CANADA PAPER 74-30(2): 51-105. (BIO CONTRIBUTION NO. 557).

A PRESENTATION OF THE REGIONAL GEOLOGICAL FRAMEWORK AND STRATIGRAPHY OF THE ATLANTIC MARGIN OF CANADA, BASED ON LITHOSTRATIGRAPHY, WELL DATA AND DEEP REFLECTION SEISMIC. PROPOSES NAMES FOR 17 TECTONIC ELEMENTS, FOUR FORMATIONS AND TWO INFORMAL LITHOSTRATIGRAPHIC UNITS. A MODEL FOR THE CONTINENTAL BREAKUP OF THE PRESENT CIRCUM-ATLANTIC REGION IS PRESENTED.

1002

JANSA, L.F., WADE, J.A. 1975. PALEOGEOGRAPHY AND SEDIMENTATION IN THE MESOZOIC AND CENOZOIC, SOUTHEASTERN CANADA. IN: CANADA'S CONTINENTAL MARGINS AND OFFSHORE PETROLEUM EXPLORATION, ED., C.J. YORATH, E.R. PARKER AND D.J. GLASS. CALGARY: CANADIAN SOCIETY OF PETROLEUM GEOLOGISTS IN ASSOCIATION WITH THE GEOLOGICAL ASSOCIATION OF CANADA. P.79-102. (CANADIAN SOCIETY OF PETROLEUM GEOLOGISTS MEMOIR 4) (BIO CONTRIBUTION NO. 527).

A COMPREHENSIVE TREATMENT OF THE CONTINENTAL MARGIN GEOLOGY OF EASTERN CANADA WITH PRESENTATION OF A NEW GEOLOGICAL FIT OF THE CONTINENTAL PLATES BETWEEN NORTH AMERICA, EUROPE AND NORTHWEST AFRICA, AND A PALEOGEOGRAPHIC RECONSTRUCTION OF THE NORTH ATLANTIC BASIN ON THE BASIS OF CIRCUM-NORTH ATLANTIC MARGIN BASIN STUDIES.

1003

JANSA, L.F., WADE, J.A., WILLIAMS, G.L. 1981. EVOLUTION OF THE CONTINENTAL MARGIN OF EASTERN NORTH AMERICA AND ITS RELATION TO HYDROCARBONS [ABSTRACT].

GEOLOGICAL SOCIETY OF AMERICA, ABSTRACTS WITH PROGRAMS 13(3): 139.

1004

JANSA, L.F., WIEDMANN, J. 1982. MESOZOIC- CENOZOIC DEVELOPMENT OF THE EASTERN NORTH AMERICAN AND NORTHWEST AFRICAN CONTINENTAL MARGINS: A COMPARISON. IN: GEOLOGY OF THE NORTHWEST AFRICAN CONTINENTAL MARGIN, ED., U. VON RAD, K. HINZ, M. SARNTHEIN AND E. SEIBOLD. BERLIN: SPRINGER-VERLAG. P.215-269.

1005

JANSA, L.F., WILLIAMS, G., WADE, J.A., BUJAK, J.P. 1978. THE COST B-2 WELL (BALTIMORE CANYON) AND ITS RELATION TO SCOTIAN BASIN [ABSTRACT]. AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS BULLETIN 62(3): 526.

1006

JANSA, L.F., WILLIAMSON, M.A. 1986. THE GRAND BANKS-GALICIA BANK CONNECTION, PRELIMINARY RESULTS OF ODP LEG 103 [ABSTRACT]. GEOLOGICAL ASSOCIATION OF CANADA/MINERALOGICAL ASSOCIATION OF CANADA/CANADIAN GEOPHYSICAL UNION, PROGRAM WITH ABSTRACTS 11: 85.

THE CORES RECOVERED DURING LEG 103 CONSTRAIN GEOLOGIC EVOLUTION OF THE REGION BETWEEN GRAND BANKS AND GALICIA BANK. THIS AREA WAS A BASEMENT HIGH TROUGH MOST OF THE JURASSIC, WITH INCIPIENT SUBSIDENCE AND FORMATION OF SHALLOW-WATER CARBONATE PLATFORM IN LATE JURASSIC. SUBSIDENCE INTENSIFIED DURING EARLY CRETACEOUS AS RESULT OF RIFTING PROCESSES CULMINATING IN CONTINENTAL PLATES SEPARATION IN LATE APTIAN TIME.

1007

JANSA, L F, PE-PIPER, G 1987. IDENTIFICATION OF AN UNDERWATER EXTRATERRESTRIAL IMPACT CRATER. NATURE (LONDON) 327(6123): 612-614.

(GEOLOGICAL SURVEY OF CANADA CONTRIBUTION 46786) PETROGRAPHIC AND GEOCHEMICAL STUDIES OF THE MONTAGINAIS STRUCTURE LEAD TO THE CONCLUSION THAT THE STRUCTURE IS RESULT OF IMPACT OF ASTEROID OR COMETARY NUCLEUS ONTO SHELF ENVIRONMENT DURING LATE PALEOCENE-? EARLY EOCENE.

1008

JANSONIUS, J., JENKINS, W.A.M. 1978. CHITINOZOA. IN: INTRODUCTION TO MARINE MICROPALAEONTOLOGY, ED., B.U. HAQ AND A. BOERSMA. NEW YORK: ELSEVIER. P.341-357. (BIO CONTRIBUTION NO. 725)

THIS IS TO BE A CHAPTER FOR A TEXT-BOOK: IT IS AN INTRODUCTORY CHAPTER ON CHITINOZOA.

1009

JAQUES MCCLELLAND GEOSCIENCE INC., PLOESSEL, M.R. (COMP.), WICKHAM, J.T. (COMP.), BROWN, J.D. (COMP.) 1982. SHALLOW MATERIALS MAPS FOR POTENTIAL SEDIMENT RESPONSE TO EARTHQUAKES, CONTINENTAL SHELF, OFFSHORE EASTERN CANADA. (GEOLOGICAL SURVEY OF CANADA OPEN FILE 878) 29P. & 3 MAPS.

1010

JEFFERIES, M.G., CROOKS, J.H.A., BECKER, D.E., HILL, P.R. 1987. INDEPENDENCE OF GEOSTATIC STRESS FROM OVERCONSOLIDATION IN SOME BEAUFORT SEA CLAYS. CANADIAN GEOTECHNICAL JOURNAL 24: 342-356.

RESULTS FROM PRESSUREMETER TESTS IN HOLOCENE AND LATE WISCOSINAN CLAYS INDICATE THAT THE TRUE VALUE OF HORIZONTAL GEOSTATIC STRESS (K_0) IS NOT DIRECTLY RELATED TO VALVES CALCULATED FROM LABORATORY MEASUREMENTS. THE INTERPRETATION IS THEREFORE NOT SUBSTANTIATED.

1011

JENKINS, W.A.M., ASCOLI, P., GRADSTEIN, F.M., JANSA, L.F., WILLIAMS, G.L. 1974. STRATIGRAPHY OF THE AMOCO IOE A-1 PUFFIN B-90 WELL, GRAND BANKS OF NEWFOUNDLAND. GEOLOGICAL SURVEY OF CANADA PAPER 74-61. 12P.

THE BIOSTRATIGRAPHIC AND LITHOSTRATIGRAPHIC STUDIES ON THE SUBJECT WELL ARE COLLATED AND COORDINATED. FOSSIL GROUPS INCLUDE FORAMINIFERS, OSTRACODS, DINOFLAGELLATES AND SPORES.

1012

JODREY, F., HEFFLER, D. 1985. PISTON CORING ON CESAR. IN: INITIAL GEOLOGICAL REPORT ON CESAR - THE CANADIAN EXPEDITION TO STUDY THE ALPHA RIDGE, ARCTIC OCEAN, ED., H.R. JACKSON, P.J. MUDIE, AND S.M. BLASCO. GEOLOGICAL SURVEY OF CANADA PAPER 84-22: 175-177.

1013

JOHNSON, G.L., SRIVASTAVA, S.P. 1982. THE CASE FOR MAJOR DISPLACEMENT ALONG NARES STRAIT. IN: NARES STRAIT AND THE DRIFT OF GREENLAND; A CONFLICT IN PLATE TECTONICS, ED., P.R. DAWES AND J.W. KERR. MEDDELELSER OM GRONLAND; GEOSCIENCE 8: 365-368.

SUMMARY OF NARES STRAIT SYMPOSIUM.

1014

JOHNSON, G.L., SRIVASTAVA, S.P., CAMPSIE, J., RASMUSSEN, M. 1982. VOLCANIC ROCKS IN THE LABRADOR SEA AND ENVIRONS AND THEIR RELATION TO THE EVOLUTION OF THE LABRADOR SEA. GEOLOGICAL SURVEY OF CANADA PAPER 82-1B: 7-20.

1015

JONGSMA, D., VAN HINTE, J.E., WOODSIDE, J.M. 1985. GEOLOGIC STRUCTURE AND NEOTECTONICS OF THE NORTH AFRICAN CONTINENTAL MARGIN SOUTH OF SICILY. MARINE AND PETROLEUM GEOLOGY 2(2): 156-179.

THE DEVELOPMENT OF THE PASSIVE CONTINENTAL MARGIN OF NORTH AFRICA SOUTH OF SICILY SINCE JURASSIC INCLUDES A NEOCOMIAN TO EOCENE PERIOD OF DEXTRAL SHEAR IN THE NW-SE TRENDING TRIPOLITANIAN AND JARRAFA TROUGHS AND MIOCENE TO PRESENT DEXTRAL SHEAR THROUGH THE SICILY CHANNEL. THE LATTER WRENCHING IN REACTION TO THE COLLISION OF AFRICA AND EUROPE HAS CREATED A MICROPLATE SEPARATED FROM AFRICA BY DEEP GRABENS, NARROW ZONES OF TRANSCURRENT MOTION, AND HORST BLOCKS.

1016

JONGSMA, D., WOODSIDE, J.M., KING, G.C.P., VAN HINTE, J.E. 1987. THE MEDINA WRENCH: A KEY TO THE KINEMATICS OF THE CENTRAL AND EASTERN MEDITERRANEAN OVER THE PAST 5 MA. EARTH AND PLANETARY SCIENCE LETTERS 82: 87-106. (GEOLOGICAL SURVEY OF CANADA CONTRIBUTION NO. 26386).

THE MEDINA WRENCH IS DEFINED BY GEOLOGICAL AND GEOPHYSICAL OBSERVATIONS ALONG THE SOUTHERN BOUNDARY OF THE MESSINA MICROPLATE. IT ACCOMODATES THE DEXTRAL MOTION REQUIRED BETWEEN THE IBLEAN BLOCK AND AFRICA TO EXPLAIN PALEOMAGNETIC DATA. POLES OF ROTATION FOR MESSINA AND AEGEAN MICROPLATES ARE VERY CLOSE AND THE CONVERGENCE OF THOSE TWO MICROPLATES PREDICTED BY

THEIR ROTATION MODEL MATCHES THAT INDEPENDENTLY IMPLIED BY THE LENGTH OF THE BENIOFF ZONE BENEATH THE AEGEAN.

1017

JOSENHANS, H.W. 1981. EVIDENCE FOR EXTENSIVE PRE-LATE WISCONSINAN GLACIATIONS OFFSHORE LABRADOR, CARTWRIGHT SADDLE REGION [ABSTRACT]. IN: INSTAAR ARCTIC WORKSHOP (10TH : 1981 : BOULDER, COLORADO). BOULDER: THE CONFERENCE. P.24-25.

1018

JOSENHANS, H.W. 1981. SUBMARINE TERRACES AND OTHER MORPHOLOGIC ASPECTS OF THE LABRADOR SHELF [ABSTRACT]. EOS; TRANSACTIONS, AMERICAN GEOPHYSICAL UNION 62(45): 919.

THE MORPHOLOGY OF THE LABRADOR SHELF IS DESCRIBED ON THE BASIS OF EXTENSIVE HUNTEC DTS HIGH RESOLUTION AND 40 CUBIC INCH AIR-GUN SEISMIC REFLECTION PROFILES TOGETHER WITH SIDESCAN SONOGRAMS AND DIRECT OBSERVATION FROM A SUBMERSIBLE. MAPS SHOWING DETAILED BATHYMETRY, INFERRED ICEBERG SCOUR DENSITY, AND INTERPRETATION OF BOTTOM FEATURES FROM SIDESCAN SONOGRAMS ARE PRESENTED.

1019

JOSENHANS, H.W. 1982. PISCES IV SUBMERSIBLE OBSERVATIONS IN THE STRAIT OF BELLE ISLE (45 MINUTE VIDEO PROGRAM) [ABSTRACT]. GEOLOGICAL SURVEY OF CANADA OPEN FILE 842. 1P. + VIDEO.

1020

JOSENHANS, H.W. 1983. EVIDENCE OF PRE- LATE WISCONSINAN GLACIATIONS ON LABRADOR SHELF - CARTWRIGHT SADDLE REGION. CANADIAN JOURNAL OF EARTH SCIENCES 20(2): 225-235.

1021

JOSENHANS, H. 1983. ONSHORE OFFSHORE CORRELATION OF GLACIAL EVENTS IN NORTHERN LABRADOR; PART II [ABSTRACT]. IN: ABSTRACTS OF THE 12TH ARCTIC WORKSHOP (12TH : 1983 : UNIVERSITY OF MASSACHUSETTS AT AMHERST). AMHERST: [THE WORKSHOP]. (UNIVERSITY OF MASSACHUSETTS. DEPARTMENT OF GEOLOGY & GEOGRAPHY. CONTRIBUTION NO. 44).

1022

JOSENHANS, H. 1984. SURFICIAL GEOLOGY OF THE LABRADOR SHELF. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1081. 33 MAPS + [100]P.

THIS OPEN FILE REPORT PRESENTS MAPS OF ACOUSTIC DATA BASE, BATHYMETRY, SEABED TEXTURE, SURFICIAL GEOLOGY AND MORPHOLOGY AND GEOLOGICAL PROFILES AS WELL AS A SHORT REPORT (SCALE 1:250, 000).

1023

JOSENHANS, H.W. 1984. THE GLACIAL HISTORY OF THE LABRADOR SHELF [ABSTRACT]. IN: ANNUAL ARCTIC WORKSHOP (13TH : 1984 : INSTITUTE OF ARCTIC AND ALPINE RESEARCH, BOULDER, CO). BOULDER, CO: THE WORKSHOP. P.50.

THE GEOMORPHOLOGY, DISTRIBUTION, SOURCE, PHYSICAL PROPERTIES OF THE

GLACIAL AND POST-GLACIAL SEDIMENTS OF THE LABRADOR SHELF ARE DESCRIBED.

1024

JOSENHANS, H.W. 1986. REGIONAL GEOLOGY AND SEABED DYNAMICS AT THE PROPOSED ICEBERG SCOUR (DIGS) EXPERIMENT SITE. IN: ICE SCOUR AND SEABED ENGINEERING : PROCEEDINGS OF A WORKSHOP ON ICE SCOUR RESEARCH, ED., C.F.M. LEWIS. OTTAWA: ENVIRONMENTAL STUDIES REVOLVING FUNDS. P.132-135. (ENVIRONMENTAL STUDIES REVOLVING FUNDS REPORT NO. 049).

A SIDESCAN SONAR MOSAIC FROM MAKKOVIK BANK LABRADOR IS DISCUSSED AND SHOWS EVIDENCE OF ONE RECENTLY CUT ICEBERG SCOUR MARK AND EVIDENCE FOR RAPID OBLITERATION AND LOCALLY HIGHLY VARIABLE SEABED DYNAMICS.

1025

JOSENHANS, H.W. 1986. THE QUATERNARY STRATIGRAPHY OF NACHVAK FJORD AND THE ADJACENT CONTINENTAL SHELF [ABSTRACT]. IN: ARCTIC WORKSHOP (15TH : 1986 : INSTITUTE OF ARCTIC AND ALPINE RESEARCH, BOULDER, CO). BOULDER, CO: [THE WORKSHOP]. P.33.

1026

JOSENHANS, H., BALZER, S., HENDERSON, P., NIELSON, E., ET AL 1987. PRELIMINARY SEISMOSTRATIGRAPHIC AND GEOMORPHIC INTERPRETATIONS OF THE QUATERNARY SEDIMENTS OF THE HUDSON BAY. GEOLOGICAL SURVEY OF CANADA PAPER 88-1B: P 271-286.

WE DESCRIBE A PRELIMINARY INTERPRETATION OF THE QUATERNARY STRATIGRAPHY AND SEAFLOOR MORPHOLOGY BASED ON RECENTLY COLLECTED HIGH RESOLUTION SEISMIC SIDESCAN SONAR DATA.

1027

JOSENHANS, H.W., BARRIE, J.V. 1982. PRELIMINARY RESULTS OF SUBMERSIBLE OBSERVATIONS ON THE LABRADOR SHELF FROM SCIENTIFIC AND TECHNICAL NOTES. GEOLOGICAL SURVEY OF CANADA PAPER 82-1B: 269-276.

1028

JOSENHANS, H.W., BARRIE, J.V. 1982. THE EFFECT OF ICEBERGS ON THE LABRADOR SHELF AS SEEN BY SUBMERSIBLE PISCES IV (18 MINUTE VIDEO PROGRAM) [ABSTRACT]. GEOLOGICAL SURVEY OF CANADA OPEN FILE 843. 1P. + VIDEO.

1029

JOSENHANS, H.W., BARRIE, J.V., KIELY, L.A. 1987. MASS WASTING ALONG THE LABRADOR SHELF MARGIN: SUBMERSIBLE OBSERVATIONS. GEO-MARINE LETTERS 7(4): 199-205. (GEOLOGICAL SURVEY OF CANADA CONTRIBUTION 49986).

A COMPLEX DISSECTED VALLEY SYSTEM ALONG THE CENTRAL PORTION OF THE LABRADOR UPPER SLOPE IS THE RESULT OF MASS WASTING ON A STEEP SLOPE. THIS AREA WAS INVESTIGATED USING GEOPHYSICAL AND SUBMERSIBLE OBSERVATIONS. SMALL SCALE SLUMPING AND CREEP DUE TO BIOLOGICAL ACTIVITY AND ICEBERG RAFTING OCCURS BELOW 750M DEGRADED ICEBERG SCOUR MARKS ARE THE PRINCIPAL SEABED FEATURES.

1030

JOSENHANS, H.W., BARRIE, J.V., WOODWORTH-LYNAS, C.M.T., PARROTT, D.R. 1985. DIGS-85: DYNAMICS OF ICEBERG GROUNDING AND SCOURING: OBSERVATION OF ICEBERG SCOUR MARKS BY MANNED SUBMERSIBLE [ABSTRACT]. IN: ARCTIC LAND-SEA INTERACTION; ARCTIC WORKSHOP (14TH : 1985 : BEDFORD INSTITUTE OF OCEANOGRAPHY, DARIMOUTH, N.S.), [COMP., G.M. VILKS AND J.P.M. SYVITSKI. DARIMOUTH, N.S.: THE WORKSHOP]. P.92. (GEOLOGICAL SURVEY OF CANADA OPEN FILE 1223).

DIRECT OBSERVATIONS WERE MADE OF ICEBERG IMPACT AND SCOUR SITES, SOME OF WHICH WERE FORMED BY MONITORED ICEBERGS.

1031

JOSENHANS, H.J., FADER, G.B.J. 1987. GLACIAL AND GLACIOMARINE SEDIMENTS ON THE NORTHEASTERN NORTH AMERICAN SHELVES [ABSTRACT]. IN: INTERNATIONAL UNION FOR QUATERNARY RESEARCH INTERNATIONAL CONGRESS (12TH : 1987 : OTTAWA) PROGRAMME AND ABSTRACTS. OTTAWA : NATIONAL RESEARCH COUNCIL OF CANADA. P.195.

FROM A STUDY OF SEISMIC REFLECTION DATA AND MARINE SEDIMENT SAMPLES, A COMPARISON IS MADE BETWEEN THE DISTRIBUTION, EXTENT AND NATURE OF GLACIAL AND POST GLACIAL PROCESSES THAT HAVE AFFECTED THE SOUTHERN AND NORTHERN CANADIAN CONTINENTAL MARGINS.

1032

JOSENHANS, H.W., FROBEL, D. 1985. HOW DO ICEBERGS AFFECT THE SEA FLOOR?. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1040: 1 VIDEOTAPE.

THIS 11-MINUTE VIDEO PROGRAM (VHS OR BETA) DESCRIBES THE EFFECTS OF ICEBERGS UPON THE SEA FLOOR, THE EFFECTS ON THE OFFSHORE INDUSTRY, WHERE ICEBERGS ORIGINATE, HOW THEY ARE STUDIED AND WHAT SOME OF THE OUTSTANDING RESEARCH AREAS ARE.

1033

JOSENHANS, H., JENNINGS, A., CLARK, P., BELL, T., RODGERSON, R. 1985. ONSHORE - OFFSHORE CORRELATION - NORTHERN LABRADOR [ABSTRACT]. IN: ARCTIC LAND-SEA INTERACTION; ARCTIC WORKSHOP (14TH : 1985 : BEDFORD INSTITUTE OF OCEANOGRAPHY, DARIMOUTH, N.S.), [COMP., G.M. VILKS AND J.P.M. SYVITSKI. DARIMOUTH, N.S.: THE WORKSHOP]. P.136. (GEOLOGICAL SURVEY OF CANADA OPEN FILE 1223).

ONSHORE-OFFSHORE STUDIES CARRIED OUT IN NACHVAK AND SAGALEK FJORDS IN THE SUMMER OF 1985 ARE DISCUSSED.

1034

JOSENHANS, H.W., KING, L.H., FADER, G.B. 1978. A SIDE-SCAN SONAR MOSAIC OF POCKMARKS ON THE SCOTIAN SHELF. CANADIAN JOURNAL OF EARTH SCIENCES 15(5): 831-840. (BIO CONTRIBUTION NO. 706).

A SIDE-SCAN MOSAIC COVERING APPROXIMATELY 150 KM WAS CONSTRUCTED AND THE NATURE OF OCCURRENCE AND ORIGIN OF POCKMARKS IS DISCUSSED.

1035

JOSENHANS, H.W., ZEVENHUIZEN, J. 1984. SEAFLOOR DYNAMICS ON THE LABRADOR SHELF [ABSTRACT]. IN: SEDIMENTOLOGY OF SHELF SANDS AND SANDSTONES (1984 : CALGARY). CALGARY: [THE SYMPOSIUM]. P.81.

THE EFFECT OF ICEBURG GROUNDINGS AND BOTTOM WINNOWING BY CURRENT ACTION ON THE LABRADOR SHELF IS DESCRIBED.

1036

JOSENHANS, H.W., ZEVENHUIZEN, J. 1984. THE GLACIAL AND POST GLACIAL HISTORY OF THE LABRADOR SHELF, HOPEDALE SADDLE REGION [ABSTRACT]. IN: ATLANTIC GEOSCIENCE SOCIETY COLLOQUIUM ON CURRENT RESEARCH IN THE ATLANTIC PROVINCES (1984 : AMHERST, N.S.), ABSTRACTS. [S.L.]: THE COLLOQUIUM. P.101. (MARITIME SEDIMENTS AND ATLANTIC GEOLOGY 20(2)).

1037

JOSENHANS, H.W., ZEVENHUIZEN, J., KLASSEN, R.A. 1986. THE QUATERNARY GEOLOGY OF THE LABRADOR SHELF. CANADIAN JOURNAL OF EARTH SCIENCES 23(8): 1190-1213.

THE PAPER PRESENTS A MAP OF THE DISTRIBUTION OF QUATERNARY SEDIMENTS AND DESCRIBES THEIR PHYSICAL PROPERTIES AND PROVINANCE, STRATIGRAPHIC RELATIONSHIPS AND POST GLACIAL EVOLUTION.

1038

JUDGE, J.T., FORBES, D.L. 1987. MEASUREMENTS OF CURRENTS, BOTTOM SEDIMENTS AND SEAFLOOR DISTURBANCE DURING CASP. PROCEEDINGS, THE OCEAN - AN INTERNATIONAL WORKPLACE 3: 975-980. (GEOLOGICAL SURVEY OF CANADA CONTRIBUTION 18687).

NEAR-BED CURRENTS, BOTTOM SEDIMENT GRAIN-SIZE, BEDFORMS, AND SEAFLOOR STABILITY WERE MEASURED AT FOUR SITES IN 20-37 M WATER DEPTH ON THE INNER SCOTIAN SHELF DURING CASP (WINTER 1986). MAXIMUM OBSERVED SCOUR AND ACCRETION WERE OF THE ORDER OF 0.1 M. ANOMALOUS DEPRESSIONS 0.8-2.4 M DEEP DEVELOPED IN MUDS IN 30 M WATER DEPTH ARE AS YET UNEXPLAINED.

1039

KAMINSKI, M.A., GRADSTEIN, F.M., BERGGREN, W.A., GEROCH, S., BECKMANN, J.P. 1986. FLYSCH-TYPE AGGLUTINATED FORAMINIFERA FROM THE LIZARD SPRINGS AND GUAYAGUAYARE FORMATIONS OF TRINIDAD [ABSTRACT]. IN: INTERNATIONAL WORKSHOP ON AGGLUTINATED FORAMINIFERA; ABSTRACTS; PROGRAM AND EXCURSION GUIDE (2ND : 1986 : VIENNA), ED., F. ROGL. VIENNA, AUSTRIA: INSTITUTE OF PALEONTOLOGY, UNIVERSITY OF VIENNA. P.33.

REVISION OF CLASSICAL CUSHMAN STUDY USING NEW TAXONOMA STRATIGRAPHIC AND PALEOECOLOGICAL INSIGHT.

1040

KAMINSKI, M.A., GRADSTEIN, F.M., ET AL 1988. FLYSCH-TYPE AGGLUTINATED FORAMINIFERAL ASSEMBLAGES FROM TRINIDAD; TAXONOMY, STRATIGRAPHY AND PALEOBATHYMETRY. IN: SECOND WORKSHOP ON AGGLUTINATED FORAMINIFERA,

VIENNA, 1986, PROCEEDINGS, ROGL, F. (ED), GRADSTEIN, F.M. (ED).
ABHANDLUGEN DER GEOLOGISCHEN BUNDESANSTALT 41: 155-227.

1041

KAMINSKI, M.A., GRASSLE, J.F., WHITLATCH, R.B. 1988. LIFE HISTORY AND RECOLONIZATION AMONG AGGLUTINATED FORAMINIFERA IN THE PANAMA BASIN. IN: SECOND WORKSHOP ON AGGLUTINATED FORAMINIFERA, VIENNA 1986, PROCEEDINGS, ROGL, F. (ED), GRADSTEIN, F.M. (ED). ABHANDLUNGEN DER GEOLOGISCHEN BUNDESANSTALT 41: 229-243.

1042

KAMINSKI, M.A., STEIN, R., GRADSTEIN, F.M., BERGGREN, W.A., LEG 105 SHIPBOARD SCIENTIFIC PARTY 1986. FLYSCH-TYPE AGGLUTINATED FORAMINIFERA FROM OPD LEG 105, BAFFIN BAY AND LABRADOR SEA [ABSTRACT]. IN: INTERNATIONAL WORKSHOP ON AGGLUTINATED FORAMINIFERA; ABSTRACTS; PROGRAM AND EXCURSION GUIDE (2ND: 1986 : VIENNA), ED., F. ROGL. VIENNA, AUSTRIA: INSTITUTE OF PALEONTOLOGY, UNIVERSITY OF VIENNA. P.35.

REFINEMENT OF THE GRADSTEIN AND BERGGREN MODEL FOR FORAMINIFERAL DISTRIBUTION USING CORED SECTIONS, LABRADOR SEA.

1043

KAY, W.A. 1988. DEEP MARINE MULTICHANNEL SEISMIC REFLECTION DATA FROM THE GRAND BANKS, EASTERN CANADIAN CONTINENTAL MARGIN. GEOPHYSICAL SURVEY OF CANADA OPEN FILE 1731. IV., WHITEPRINTS.

IN THE SPRING AND FALL OF 1985 APPROXIMATELY 1600 KILOMETRES OF MARINE SEISMIC REFLECTION DATA WERE COLLECTED SOUTHEAST OF NEWFOUNDLAND, COMPLEMENTING DATA COLLECTED TO THE NORTH IN 1984. ALL DATA AND ASSOCIATED REPORTS ARE NOW AVAILABLE FOR GENERAL USE.

1044

KEEN, C.E. 1966. A STUDY OF THE PHYSICAL PROPERTIES OF THE OCEANIC CRUST AND MANTLE. M.SC. THESIS, DALHOUSIE UNIVERSITY, HALIFAX NS. 99P.

1045

KEEN, C.E. 1970. A SEISMIC EXPERIMENT ON THE MID-ATLANTIC RIDGE. PH.D. THESIS, CAMBRIDGE UNIVERSITY, CAMBRIDGE U.K. 163P.

1046

KEEN, C.E. 1973. CONTINENTAL MARGIN OF EASTERN CANADA. GEOLOGICAL SURVEY OF CANADA PAPER 73-1A: 112-113.

1047

KEEN, C.E. 1974. CONTINENTAL MARGIN OF EASTERN CANADA. GEOLOGICAL SURVEY OF CANADA PAPER 74-1A: 132.

1048

KEEN, C.E. 1974. SOME GEOPHYSICAL MEASUREMENTS ON THE NORTHERN SHELF OF BAFFIN BAY. IN: PROCEEDINGS OF THE CANADIAN SOCIETY OF EXPLORATION GEOPHYSICISTS NATIONAL CONVENTION (1973 : CALGARY, ALBERTA), ED., A.E. WREN AND R.B.

CRUZ. CALGARY ALTA: CSEG. P.67-78. (BIO CONTRIBUTION NO. 469).

THIS PAPER DESCRIBES SOME GEOPHYSICAL MEASUREMENTS ON THE NORTHERN SHELF OF BAFFIN BAY. THE SEDIMENTARY STRUCTURES WITHIN JONES SOUND, SMITH SOUND, LANCASTER SOUND AND MELVILLE BAY ARE DESCRIBED. AN ATTEMPT IS MADE TO RELATE THE RESULTS TO THE EVOLUTION OF THE BAFFIN BAY OCEAN BASIN.

1049

KEEN, C.E. 1974. SOME RECENT RESULTS ON THE CONTINENTAL MARGIN OF EASTERN CANADA [ABSTRACT]. IN: GAC/MAC '74; ANNUAL MEETINGS, GEOLOGICAL ASSOCIATION OF CANADA [AND] MINERALOGICAL ASSOCIATION OF CANADA (1974 : ST. JOHN'S, NFLD.), PROGRAM ABSTRACTS, 3RD CIRCULAR. [ST. JOHN'S: THE CONFERENCE]. P.47.

1050

KEEN, C.E. 1977. SEISMOLOGY AND PHYSICS OF THE EARTH'S INTERIOR; ATLANTIC GEOSCIENCE CENTRE. CANADIAN GEOPHYSICAL BULLETIN 30: 33-35.

1051

KEEN, C.E. 1978. COMPUTATION OF SYNTHETIC SEISMOGRAMS FOR MARINE REFRACTION STUDIES. GEOLOGICAL SURVEY OF CANADA PAPER 78-16. 28P.

1052

KEEN, C.E. 1978. SEISMOLOGY AND PHYSICS OF THE EARTH'S INTERIOR, 3. ATLANTIC GEOSCIENCE CENTRE - I SEISMOLOGY, II PHYSICS OF THE EARTH'S INTERIOR. CANADIAN GEOPHYSICAL BULLETIN 31: 35-36.

REPORT FOR THE CANADIAN GEOPHYSICAL BULLETIN ON SEISMOLOGY AND PHYSICS OF THE EARTH'S INTERIOR.

1053

KEEN, C.E. (ED.) 1979. CRUSTAL PROPERTIES ACROSS PASSIVE MARGINS. TECTONOPHYSICS 59(1/4). 390P. (INTER-UNION COMMISSION ON GEODYNAMICS SCIENTIFIC REPORT 51) (ALSO PUBLISHED AS: CRUSTAL PROPERTIES ACROSS PASSIVE MARGINS; SELECTED PAPERS FROM THE SYMPOSIUM (1978 : HALIFAX, N.S.). AMSTERDAM: ELSEVIER. 390 P. (DEVELOPMENTS IN GEOTECTONICS 15.).

1054

KEEN, C.E. 1979. CRUSTAL THINNING, SUBSIDENCE, AND THERMAL HISTORY OF SEDIMENTARY BASINS AT RIFTED MARGINS [ABSTRACT]. IN: INTERNATIONAL UNION OF GEODESY AND GEOPHYSICS GENERAL ASSEMBLY (17TH : 1979 : CANBERRA, AUSTRALIA), ABSTRACTS. CANBERRA, AUSTRALIA: THE CONFERENCE. P.315.

1055

KEEN, C.E. 1979. MESOZOIC AND CENOZOIC PLATE TECTONICS OFF EASTERN CANADA [ABSTRACT]. EOS; TRANSACTIONS, AMERICAN GEOPHYSICAL UNION 60(42): 746.

1056

KEEN, C.E. 1979. THERMAL HISTORY AND SUBSIDENCE OF RIFTED CONTINENTAL MARGINS - EVIDENCE FROM WELLS ON THE NOVA SCOTIAN AND LABRADOR SHELVES. CANADIAN JOURNAL OF EARTH SCIENCES 16(3/PART 1): 505-522. (BIO CONTRIBUTION NO. 846).

1057

KEEN, C.E. 1980. EARLY EVOLUTION OF RIFTED CONTINENTAL MARGINS [ABSTRACT]. EOS; TRANSACTIONS, AMERICAN GEOPHYSICAL UNION 61(17): 206-207.

THIS PAPER REVIEWS THE HISTORY OF DEVELOPMENT OF RIFTED MARGINS DETERMINED FROM SUBSIDENCE AND DEEP CRUSTAL STRUCTURE.

1058

KEEN, C.E. 1980. SEISMOLOGY AND PHYSICS OF THE EARTH'S INTERIOR; ATLANTIC GEOSCIENCE CENTRE. CANADIAN GEOPHYSICAL BULLETIN 33: 36-38.

1059

KEEN, C.E. 1981. LITHOPROBE; GEOSCIENCE STUDIES ON THE THIRD DIMENSION. GEOSCIENCE CANADA 8(3): 117-125.

1060

KEEN, C.E. 1982. OFFSHORE EASTERN CANADA: FROM PLATE TECTONICS TO PETROLEUM. GEOS 11(3): 5-8.

1061

KEEN, C.E. 1982. OFFSHORE EASTERN CANADA: FROM PLATE TECTONICS TO PETROLEUM. BIO REVIEW '82: 42-46.

1062

KEEN, C.E. 1982. THE CONTINENTAL MARGINS OF EASTERN CANADA - A REVIEW. IN: DYNAMICS OF PASSIVE MARGINS, ED., R.A. SCRUTTON. WASHINGTON: AMERICAN GEOPHYSICAL UNION. P.45-58. (GEODYNAMICS SERIES 6).

THE PAPER BRIEFLY REVIEWS THE GEOLOGICAL AND GEOPHYSICAL DATA AVAILABLE ON THE PASSIVE MARGINS OF E. CANADA WITH RESPECT TO (A) PLATE MOTIONS AND MARGIN FORMATION, (B) THE OCEAN-CONTINENT TRANSITION AND (C) RIFTING, SUBSIDENCE AND SEDIMENTATION.

1063

KEEN, C.E. 1983. SALT DIAPYRS AND THERMAL MATURITY: SCOTIAN BASIN. BULLETIN OF CANADIAN PETROLEUM GEOLOGY 31(2): 101-108.

1064

KEEN, C.E. 1985. EVOLUTION OF RIFTED CONTINENTAL MARGINS. GEOLOGICAL SURVEY OF CANADA PAPER 85-8: 10.

A REVIEW OF MODELS OF THE RIFTING PROCESS, EMPHASIZING THE PRACTICAL PREDICTIVE ASPECTS OF GEODYNAMIC MODELS, PARTICULARLY IN TERMS OF SEDIMENT MATURITY AND HYDROCARBON GENERATIONS.

1065

KEEN, C.E. 1985. LITHOPROBE EAST: RESULTS FROM MARINE DEEP SEISMIC REFLECTION LINES ACROSS THE APPALACHIANS AND THE CONTINENTAL MARGIN NORTHEAST OF NEWFOUNDLAND [ABSTRACT]. GEOLOGICAL ASSOCIATION OF CANADA/MINERALOGICAL ASSOCIATION OF CANADA, PROGRAM WITH ABSTRACTS 10: 86.

THE TALK WILL PRESENT PRELIMINARY RESULTS AND INTERPRETATION OF DEEP, MARINE SEISMIC REFLECTION PROFILES OBTAINED NORTHEAST OF NEWFOUNDLAND.

1066

KEEN, C.E. 1985. THE DYNAMICS OF RIFTING: DEFORMATION OF THE LITHOSPHERE BY ACTIVE AND PASSIVE DRIVING FORCES. GEOPHYSICAL JOURNAL OF THE ROYAL ASTRONOMICAL SOCIETY 80(1): 95-120.

THE THERMAL AND MECHANICAL BEHAVIOUR OF THE LITHOSPHERE WAS INVESTIGATED, USING A RHEOLOGY MODEL WITH A BRITTLE UPPER, AND A VISCOUS LOWER LAYER. THE DEFORMATION, SUBSIDENCE (OR UPLIFT) AND THERMAL HISTORIES WERE COMPUTED.

RESULTS SHOW THAT DEFORMATION BY STRETCHING MAY HAVE CONSEQUENCES OTHER THAN THOSE DESCRIBED BY SIMPLE KINEMATIC MODELS. ACTIVE RIFTING PROCEEDS FROM THE BOTTOM UP, AT A RATE DETERMINED BY THE THERMAL PROPERTIES OF THE LITHOSPHERE.

1067

KEEN, C.E. 1986. BASIN MODELLING [ABSTRACT]. IN: GEOLOGICAL SURVEY OF CANADA; ACTIVITIES ON OIL AND GAS IN CANADA; PROGRAM AND ABSTRACTS OF TALKS (1986: CALGARY). [CALGARY: THE CONFERENCE]. P.3.

1068

KEEN, C.E. [ET AL] 1986. DEEP SEISMIC REFLECTION PROFILE ACROSS THE NORTHERN APPALACHIANS. GEOLOGY 14: 141-145.

1069

KEEN, C.E. 1986. PASSIVE MARGINS: THE GRAND BANKS EXAMPLE. BIO REVIEW '85: 13-16.

A BRIEF REVIEW OF THE PLATE TECTONIC EVENTS RESPONSIBLE FOR THE FORMATION OF THE MARGINS AND THE DEEP SEATED GEODYNAMIC PROCESSES WHICH LEAD TO CONTINENTAL BREAKUP.

1070

KEEN, C.E. 1987. DYNAMICAL EXTENSION OF THE LITHOSPHERE DURING RIFTING: SOME NUMERICAL MODEL RESULTS. IN: THE COMPOSITION, STRUCTURE AND DYNAMICS OF THE LITHOSPHERE ATMOSPHERE SYSTEM. WASHINGTON, DC: THE AMERICAN GEOPHYSICAL UNION. P.189-203. (AMERICAN GEOPHYSICAL UNION GEODYNAMICS SERIES 16).

DESCRIBES RESULTS OF NUMERICAL MODELLING OF VISCOUS FLOW IN LOWER LITHOSPHERE AND ASTHENOSPHERE WHEN LITHOSPHERE IS STRETCHED. RESULTS SHOW A) SMALL SCALE CONVECTION WILL FURTHER THIN THE LITHOSPHERE AND CREATE UPLIFT IN LATE RIFT PHASE AND UPLIFT OF RIFT SHOULDERS; B) DYNAMIC UPLIFT (OR DURING) OF RIFT ZONE.

1071

KEEN, C.E. 1987. REPLY [TO COMMENT ON "DEEP SEISMIC REFLECTION PROFILE ACROSS THE NORTHERN APPALACHIANS"]. GEOLOGY 15(2): 182-183.

A REPLY WHICH REFUTES CHURCHS' STATEMENT THAT THE DUNNAGE MAY BE IN SITU AS A RESULT OF MISPLACING ON THE ZONE BOUNDARIES IN OUR ORIGINAL PAPER.

1072

KEEN, C.E. 1987. SOME IMPORTANT CONSEQUENCES OF LITHOSPHERIC EXTENSION. IN: CONTINENTAL EXTENSIONAL TECTONICS, EDS., M.P. COWARD, J.F. DEWEY AND P.L. HANCOCK. LONDON: BLACKWELL SCIENTIFIC PUB LTD. P.67-73. (GEOLOGICAL SOCIETY SPECIAL PUBLICATION NO.28).

WHEN THE LITHOSPHERE IS STRETCHED THERE ARE TWO IMPORTANT PROCESSES WHICH MAY OCCUR: 1) PARTIAL MELTING IN THE UPWELLING ANTIHENSHERE AND 2) VISCOUS FLOW, AND SMALL SCALE CONVECTION IN THE LOWER LITHOSPHERE. THESE EFFECTS WILL SIGNIFICANTLY CHANGE THE PREDICTIONS OF SUBSIDENCE DURING RIFTING.

1073

KEEN, C.E., BARRETT, D.L. 1972. A SEISMIC REFRACTION SURVEY IN BAFFIN BAY AND DAVIS STRAIT [ABSTRACT]. EOS; TRANSACTIONS, AMERICAN GEOPHYSICAL UNION 53(7): 726.

1074

KEEN, C.E., BARRETT, D.L. 1972. SEISMIC REFRACTION STUDIES IN BAFFIN BAY: AN EXAMPLE OF A DEVELOPING OCEANIC BASIN. GEOPHYSICAL JOURNAL 30(3): 253-271. (BIO CONTRIBUTION NO. 315).

THIS PAPER DESCRIBES SONOBUOY AND TAPE RECORDING BUOY SEISMIC REFRACTION MEASUREMENTS CARRIED OUT IN BAFFIN BAY AND DAVIS STRAIT TO STUDY THE EXTENT AND TECTONIC DEVELOPMENT OF THE OCEANIC REGION AND THE STRUCTURE OF SOME OF THE MAJOR FEATURES OF THE SURROUNDING CONTINENTAL SHELVES.

1075

KEEN, C.E., BARRETT, D.L. 1973. STRUCTURAL CHARACTERISTICS OF SOME SEDIMENTARY BASINS IN NORTHERN BAFFIN BAY. CANADIAN JOURNAL OF EARTH SCIENCES 10(10): 1267-1278. (BIO CONTRIBUTION NO. 376).

GEOPHYSICAL MEASUREMENTS WERE OBTAINED TO STUDY SOME OF THE MAJOR STRUCTURAL FEATURES ON THE NORTHERN SHELF OF BAFFIN BAY. THE STRUCTURAL STYLE OF THE SEDIMENTS WITHIN SEDIMENTARY BASINS IN LANCASTER SOUND, JONES SOUND, SMITH SOUND, AND MELVILLE BAY ARE DESCRIBED. AN ATTEMPT TO RELATE THE RESULTS TO POSSIBLE PLATE MOTIONS IN THE BAFFIN BAY BASIN IS MADE.

1076

KEEN, C.E., BARRETT, D.L. 1981. THINNED AND SUBSIDED CONTINENTAL CRUST ON THE RIFTED MARGIN OF EASTERN CANADA: CRUSTAL STRUCTURE, THERMAL EVOLUTION AND SUBSIDENCE HISTORY. GEOPHYSICAL JOURNAL 65(2): 443-465. (BIO CONTRIBUTION NO. 888).

1077

KEEN, C.E., BEAUMONT, C. 1982. ON THE EVOLUTION OF THE RIFTED MARGIN OFF EASTERN NORTH AMERICA: COMPARISON OF MODELS AND OBSERVATIONS [ABSTRACT]. IN: INTERNATIONAL CONGRESS ON SEDIMENTOLOGY (11TH : 1982 : MCMASTER UNIVERSITY, HAMILTON, ONT.), ABSTRACTS OF PAPERS. HAMILTON: MCMASTER

UNIVERSITY, DEPT. OF GEOLOGY. P.130.

1078

KEEN, C.E., BEAUMONT, C. 1983. THE APPLICATION OF EXTENSION MODELS TO THE RIFTED MARGINS OF EASTERN NORTH AMERICA [ABSTRACT]. GEOLOGICAL ASSOCIATION OF CANADA/MINERALOGICAL ASSOCIATION OF CANADA/CANADIAN GEOPHYSICAL UNION PROGRAM WITH ABSTRACTS 8: A37.

1079

KEEN, C.E., BEAUMONT, C., BOUTILIER, R. 1981. PRELIMINARY RESULTS FROM A THERMO-MECHANICAL MODEL FOR THE EVOLUTION OF ATLANTIC-TYPE CONTINENTAL MARGINS. IN: INTERNATIONAL GEOLOGICAL CONGRESS (26TH : 1980 : PARIS) COLLOQUE C3, GEOLOGIE DES MARGES CONTINENTALES = GEOLOGY OF CONTINENTAL MARGINS. OCEANOLOGICA ACTA 4(SUPPLEMENT): 123-128.

1080

KEEN, C.E., BEAUMONT, C., BOUTILIER, R. 1983. A SUMMARY OF THERMO-MECHANICAL MODEL RESULTS FOR THE EVOLUTION OF CONTINENTAL MARGINS BASED ON THREE RIFTING PROCESSES. IN: STUDIES IN CONTINENTAL MARGIN GEOLOGY, ED., J.S. WATKINS AND C.L. DRAKE. TULSA, OK: AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS. P.725-728. (AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS MEMOIR 34).

THIS PAPER SUMMARIZES RESULTS OF THERMO MECHANICAL MODEL OF PASSIVE CONTINENTAL MARGIN EVOLUTION.

1081

KEEN, C., BLANCHARD, J.E., KEEN, M.J. 1966. GRAND BANKS AND THE EASTERN SEABOARD OF CANADA. IN: THE ENCYCLOPEDIA OF OCEANOGRAPHY, ED., R.W. FAIRBRIDGE. NEW YORK:REINHOLD. P.299-305. (ENCYCLOPEDIA OF EARTH SCIENCES SERIES 1).

1082

KEEN, C., BLANCHARD, J.E., KEEN, M.J. 1966. GULF OF ST. LAWRENCE. IN: THE ENCYCLOPEDIA OF OCEANOGRAPHY, ED., R.W. FAIRBRIDGE. NEW YORK: REINHOLD. P.331-335. (ENCYCLOPEDIA OF EARTH SCIENCES SERIES 1).

1083

KEEN, C.E., BOUTILIER, R., DE VOGD, B., MUDFORD, B., ENACHESCU, M.E. 1987. CRUSTAL GEOMETRY AND EXTENSIONAL MODELS FOR THE GRAND BANKS, EASTERN CANADA: CONSTRAINTS FROM DEEP SEISMIC REFLECTION DATA. IN: SEDIMENTARY BASINS AND BASIN-FORMING MECHANISMS, BEAUMONT, C. (ED.) TANKARD, A.J. (ED.). CANADIAN SOCIETY OF PETROLEUM GEOLOGISTS, MEMOIR 12: 101-115. (GEOLOGICAL SURVEY OF CANADA CONTRIBUTION 42586).

THE PAPER DESCRIBES NEW CRUSTAL SEISMIC REFLECTION DATA ON THE GRAND BANKS, WHICH CROSSES SEVERAL RIFTED BASINS. THE RESULTS SHOW THAT DEVELOPMENT OF THE BASINS WAS CONTROLLED BY MAJOR CRUSTAL FAULTS WHICH EXTEND AT LEAST TO THE LOWER CRUST. GEODYNAMIC MODELS, CONSTRAINED BY THE SEISMIC DATA, MATCH BASIN SHAPE AND GRAVITY ANOMALIES, PROVIDED A STRONG LITHOSPHERE IS ASSUMED.

1084

KEEN, C.E., BOUTILIER, R., MUDFORD, B. 1986. GEODYNAMIC MODELLING OF NARROW EXTENSIONAL BASINS, CENTRAL AND NORTHERN GRAND BANKS, EASTERN CANADA [ABSTRACT]. EOS; TRANSACTIONS, AMERICAN GEOPHYSICAL UNION 67(44): 1101.

1985 LITHOPROBE EAST DATA HAS BEEN USED TO CONSTRAIN MODELS OF RIFTING. OUR RESULTS INDICATE THAT FUTURE MODELS OF DYNAMICALLY RIFTING SYSTEMS MUST EXPLAIN HOW THE VISIBLE UPPER CRUST CAN APPEAR TO FAIL ALONG DEEP THRUSTING FAULTS WHICH IS NOT NECESSARILY ACCOMPANIED BY ANY APPARENT WEAKENING OF THE LITHOSPHERE.

1085

KEEN, C.E., CORDSEN, A. 1980. OBS REFRACTION RESULTS FROM THE CONTINENTAL MARGIN OFF NOVA SCOTIA [ABSTRACT]. GEOLOGICAL ASSOCIATION OF CANADA/MINERALOGICAL ASSOCIATION OF CANADA, PROGRAM WITH ABSTRACTS 5: 65.

1086

KEEN, C.E., CORDSEN, A. 1981. CRUSTAL STRUCTURE, SEISMIC STRATIGRAPHY, AND RIFT PROCESSES OF THE CONTINENTAL MARGIN OFF EASTERN CANADA: OCEAN BOTTOM SEISMIC REFRACTION RESULTS OFF NOVA SCOTIA. CANADIAN JOURNAL OF EARTH SCIENCES 18(10): 1523-1538.

1087

KEEN, C.E., DE VOOGD, B. 1988. THE CONTINENT-OCEAN BOUNDARY AT THE RIFTED MARGIN OFF EASTERN CANADA: NEW RESULTS FROM DEEP SEISMIC REFLECTION STUDIES. TECTONICS 7(1): 107-124. (GEOLOGICAL SURVEY OF CANADA CONTRIBUTION 14387).

WE DESCRIBE DEEP SEISMIC REFLECTION OBSERVATIONS ALONG 4 LINES WHICH CROSS THE RIFTED CONTINENT-OCEAN BOUNDARY OFF THE GRAND BANKS REGION. THE LOCATION OF THE CONTINENT-OCEAN BOUNDARY IS DISCUSSED AND ITS DEEP STRUCTURE IS IMAGED. THE RESULTS PROVIDE POWERFUL CONSTRAINTS ON MODELS OF CONTINENTAL BREAKUP.

1088

KEEN, C.E., DEVOGD, B., BOUTILIER, R., KAY, W. 1987. THE DEVELOPMENT OF RIFT BASINS ON THE CONTINENTAL MARGIN OF EASTERN CANADA: CONSTRAINTS FROM DEEP SEISMIC REFLECTION DATA. IN: INTERNATIONAL UNION OF GEODESY AND GEOPHYSICS GENERAL ASSEMBLY (IUGG) (19TH : 1987 : VANCOUVER), ABSTRACTS. INTERNATIONAL UNION OF GEODESY AND GEOPHYSICS (IUGG). P.188.

A DISCUSSION OF TECTONIC DEVELOPMENT OF GRAND BANKS BASINS.

1089

KEEN, C.E., FALCONER, R. 1979. CONTINENTAL MARGINS OF THE ARCTIC OCEAN. IN: CONTINENTAL MARGINS; GEOLOGICAL AND GEOPHYSICAL RESEARCH NEEDS AND PROBLEMS. WASHINGTON, D.C.: NATIONAL ACADEMY OF SCIENCES. P.102-107.

1090

KEEN, C.E., FRICKER, A., KEEN, M.J., BLINN, L. 1979. A STUDY OF THE REYKJANES RIDGE BY SURFACE WAVES USING AN EARTHQUAKE-PAIR TECHNIQUE. GEOLOGICAL SURVEY OF CANADA PAPER 79-1A: 273-279.

SURFACE WAVES DISPERSION CURVES WERE CONSTRUCTED FOR LOVE AND RAYLEIGH WAVES CONFINED TO PATHS ALONG THE AXIS OF THE REYKJANES RIDGE, USING AN EARTHQUAKE PAIR METHOD. LINEAR INVERSION METHODS WERE APPLIED TO THE DISPERSION DATA AND S VELOCITY-DEPTH MODELS WERE OBTAINED WHICH SHOWED THE PRESENCE OF A LOW VELOCITY ZONE AT A DEPTH OF 20 KM BELOW THE RIDGE.

1091

KEEN, C.E., FRICKER, A., KEEN, M.J., BLINN, L. 1980. REYKJANES RIDGE CREST STUDIED BY SURFACE WAVES WITH AN EARTHQUAKE-PAIR TECHNIQUE. JOURNAL OF GEOPHYSICS 47(1/3): 265-270.

1092

KEEN, C.E., HALL, B.R., SULLIVAN, K.D. 1977. MESOZOIC EVOLUTION OF THE NEWFOUNDLAND BASIN. EARTH AND PLANETARY SCIENCE LETTERS 37(2): 307-320. (BIO CONTRIBUTION NO. 659).

1093

KEEN, C.E., HAWORTH, R.T. 1982. PRESENT PASSIVE MARGINS OF EASTERN CANADA: TRANSECTS D2-4 [ABSTRACT]. GEOLOGICAL SOCIETY OF AMERICA, ABSTRACTS WITH PROGRAMS 14(7): 526.

1094

KEEN, C.E., HAWORTH, R.T. 1985. NORTH AMERICAN CONTINENT OCEAN TRANSECTS PROGRAM, TRANSECT D2: TRANSFORM MARGIN SOUTH OF GRAND BANKS: OFFSHORE EASTERN CANADA. BOULDER, CO: GEOLOGICAL SOCIETY OF AMERICA. 6P. & 1 CHART. (CONTINENT-OCEAN TRANSECT D2) (CENTENNIAL CONTINENT/OCEAN TRANSECT 2).

1095

KEEN, C.E., HAWORTH, R.T. 1985. NORTH AMERICAN CONTINENT OCEAN TRANSECTS PROGRAM, TRANSECT D3: RIFTED CONTINENTAL MARGIN OFF NOVA SCOTIA: OFFSHORE EASTERN CANADA. BOULDER, CO: GEOLOGICAL SOCIETY OF AMERICA. 7P. & 1 CHART. (CONTINENT-OCEAN TRANSECT D3) (CENTENNIAL CONTINENT/OCEAN TRANSECT 3).

1096

KEEN, C.E., HAWORTH, R.T. 1985. NORTH AMERICAN CONTINENT OCEAN TRANSECTS PROGRAM, TRANSECT D4: RIFTED CONTINENTAL MARGIN OFF LABRADOR. BOULDER, CO: GEOLOGICAL SOCIETY OF AMERICA. 5P. & 1 CHART. (CONTINENT-OCEAN TRANSECT D4) (CENTENNIAL CONTINENT/OCEAN TRANSECT 4).

1097

KEEN, C.E., HAWORTH, R.T. 1985. RIFTED MARGIN OFFSHORE NORTHEAST NEWFOUNDLAND [CHART]. BOULDER, CO: GEOLOGICAL SOCIETY OF AMERICA. P.1 CHART PLUS BOOKLET. (CONTINENT-OCEAN TRANSECT D1(EAST)) (CENTENNIAL CONTINENT/OCEAN TRANSECT 1) ISSUED IN ENVELOPE WITH AB-2212 AND AB-2213.

1098

KEEN, C.E., HAWORTH, R.T., WILLIAMS, H. 1985. NORTHERN APPALACHIANS; GRENVILLE PROVINCE, QUEBEC TO AVALON ZONE, NEWFOUNDLAND [CHART]. BOULDER, CO: GEOLOGICAL SOCIETY OF AMERICA. P.1 CHART PLUS BOOKLET. (CONTINENT-OCEAN

TRANSECT D1(WEST)) (CENTENNIAL CONTINENT/OCEAN TRANSECT 1).

1099

KEEN, C., HAWORTH, R.T., WILLIAMS, H. 1986. CONTINENT-OCEAN TRANSECTS D1-4: NORTHERN APPALACHIANS AND ATLANTIC MARGIN [ABSTRACT]. GEOLOGICAL SOCIETY OF AMERICA, ABSTRACTS WITH PROGRAMS 18(6): 653.

1100

KEEN, C.E., HYNDMAN, R.D. 1979. GEOPHYSICAL REVIEW OF THE CONTINENTAL MARGINS OF EASTERN AND WESTERN CANADA. CANADIAN JOURNAL OF EARTH SCIENCES 16(3/PART 2): 712-747. (BIO CONTRIBUTION NO. 851).

1101

KEEN, C.E., KAY, W. 1986. DEEP MARINE MULTICHANNEL SEISMIC DATA FROM THE NORTHEAST NEWFOUNDLAND CONTINENTAL MARGIN - LITHOPROBE EAST. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1281. 3V. & SEISMIC ROLLS.

RELEASE OF LITHOPROBE EAST SEISMIC DATA FROM NORTHEAST NEWFOUNDLAND VIA OPEN FILE.

1102

KEEN, C.E., KEEN, M.J. 1974. THE CONTINENTAL MARGINS OF EASTERN CANADA AND BAFFIN BAY. IN: THE GEOLOGY OF CONTINENTAL MARGINS, ED., C.A. BURKE AND C.L. DRAKE. NEW YORK: SPRINGER-VERLAG. P.381-389. (BIO CONTRIBUTION NO. 471).

THE CONTINENTAL MARGIN OF EASTERN CANADA IS PREDOMINANTLY A RIFTED MARGIN EXTENDING SOME 32 DEGREES OF LATITUDE FROM NOVA SCOTIA TO ELLESMERE IS. THE NORTHERN MARGINS OF LABRADOR SEA AND BAFFIN BAY FORMED AT A LATER DATE THAN THAT OFF NOVA SCOTIA AND ARE SEPARATED FROM IT BY THE GRAND BANKS WHERE SOUTHERN EDGEFORMED BY TRANSFORM FAULTING.

1103

KEEN, C.E., KEEN, M.J., BARRETT, D.L., HEFFLER, D.E. 1975. SOME ASPECTS OF THE OCEAN-CONTINENT TRANSITION AT THE CONTINENTAL MARGIN OF EASTERN NORTH AMERICA. IN: OFFSHORE GEOLOGY OF EASTERN CANADA: VOLUME 2 - REGIONAL GEOLOGY, ED., W.J.M. VAN DER LINDEN AND J.A. WADE. GEOLOGICAL SURVEY OF CANADA PAPER 74-30(2): 189-197. (BIO CONTRIBUTION NO. 558).

GEOPHYSICAL STUDIES OF THE CONTINENTAL MARGIN OFF NOVA SCOTIA SUGGEST THAT THE OCEAN-CONTINENT TRANSITION IS LESS THAN 20 KM WIDE. THE DATA IMPLY THAT THE MAGNETIC SLOPE ANOMALY IS CAUSED BY AN 'EDGE EFFECT' FROM OCEANIC TO CONTINENTAL CRUST.

1104

KEEN, C.E., KEEN, M.J., NICHOLS, B., REID, I., STOCKMAL, G.S., COLMAN-SADD, S.P., O'BRIEN, S.J., MILLER, H., QUINLAN, G., WILLIAMS, H., WRIGHT, J. 1986. DEEP SEISMIC REFLECTION PROFILE ACROSS THE NORTHERN APPALACHIANS. GEOLOGY 14(2): 141-145.

THIS PAPER DESCRIBES PRELIMINARY RESULTS FROM A DEEP SEISMIC REFLECTION LINE ACROSS THE APPALACHIANS, NORTHEAST OF NEWFOUNDLAND.

1105

KEEN, C.E., KEEN, M.J., ROSS, D.I., LACK, M. 1974. BAFFIN BAY: A SMALL OCEAN BASIN FORMED BY SEA-FLOOR SPREADING. IN: SELECTED PAPERS FROM EAST COAST OFFSHORE SYMPOSIUM BAFFIN BAY TO THE BAHAMAS (1973 : ATLANTIC CITY), ED., H.H. EMMERICH. AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS BULLETIN 58(6/PART 2): 1089-1108. (BIO CONTRIBUTION NO. 433).

THIS PAPER IS A REVIEW OF GEOPHYSICAL AND GEOLOGICAL OBSERVATIONS MADE IN BAFFINBAY, IN WHICH WE SEE THAT IT IS REASONABLE TO ASCRIBE THE ORIGIN OF THE BAY TO SEA-FLOOR SPREADING.

1106

KEEN, C.E., KLITGORD, K., BUFFLER, R. 1982. CONTEMPORARY PASSIVE MARGINS OF NORTH AMERICA [ABSTRACT]. GEOLOGICAL SOCIETY OF AMERICA, ABSTRACTS WITH PROGRAMS 14(7): 526.

1107

KEEN, C.E., LEWIS, T. 1982. MEASURED RADIOGENIC HEAT PRODUCTION IN SEDIMENTS FROM CONTINENTAL MARGIN OF EASTERN NORTH AMERICA: IMPLICATIONS FOR PETROLEUM GENERATION. AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS BULLETIN 66(9): 1402-1407.

1108

KEEN, C.E., LITHOPROBE EAST GROUP 1986. LITHOPROBE EAST: RESULTS FROM TRANSECTS OF THE CONTINENTAL MARGIN; GRAND BANKS REGION [ABSTRACT]. IN: BIRPS; SECOND INTERNATIONAL SYMPOSIUM ON DEEP SEISMIC REFLECTION PROFILING OF THE CONTINENTAL LITHOSPHERE; ABSTRACTS OF LECTURES AND POSTERS; INDEX; LIST OF PARTICIPANTS (2ND : 1986 : CAMBRIDGE, UK). [CAMBRIDGE, UK: THE SYMPOSIUM]. P.138.

DESCRIBES DEEP SEISMIC REFLECTION RESULTS ACROSS THE CONTINENTAL MARGIN AROUND THE GRAND BANKS. THEY SHOW (A) MAJOR FAULTS ALONG WHICH BRITTLE EXTENSION IN ACCOMADATED (B) DECOLLEMENT BELOW WHICH EXTENSIONAL DEFORMATION BY DUCTILE FLOW.

1109

KEEN, C.E., LITHOPROBE EAST GROUP 1986. LITHOPROBE EAST: RESULTS FROM A TRANSECT OF THE CONTINENTAL MARGIN NORTHEAST OF NEWFOUNDLAND [ABSTRACT]. GEOLOGICAL ASSOCIATION OF CANADA/MINERALOGICAL ASSOCIATION OF CANADA/CANADIAN GEOPHYSICAL UNION, PROGRAM WITH ABSTRACTS 11: 88.

DESCRIBES DEEP SEISMIC REFLECTION LINE THROUGH ORPHAN BASIN AND SHOWS (A) THAT SUBHORIZONTAL BRITTLE DUCTILE TRANSITION ZONE SUGGESTS PURE SHEAR RIFTING AND (B) THAT OCEANIC CRUST APPEARS TO DIP LAND WARD BENEATH RIFTED CONTINENTAL CRUST AT THE OCEAN-CONTINENT BOUNDARY.

1110

KEEN, C.E., LITHOPROBE EAST GROUP 1986. MARINE DEEP SEISMIC REFLECTION RESULTS ACROSS THE NEWFOUNDLAND APPALACHIANS [ABSTRACT]. IN: BIRPS; SECOND INTERNATIONAL SYMPOSIUM ON DEEP SEISMIC REFLECTION PROFILING OF THE CONTINENTAL LITHOSPHERE; ABSTRACTS OF LECTURES AND POSTERS; INDEX; LIST OF

PARTICIPANTS (2ND : 1986 : CAMBRIDGE, UK). [CAMBRIDGE, UK: THE SYMPOSIUM]. P.P24.

POSTER SHOWS DEEP SEISMIC DATA AND AN INTERPRETATION IN TERMS OF SURFACE TERRECES, ALLOCHTHONOUS NATURE OF DUNNAGE/GANDER TERRACES, NATURE OF DOVER FAULT.

1111

KEEN, C., LONCAREVIC, B.D. 1966. CRUSTAL STRUCTURE ON THE EASTERN SEABOARD OF CANADA: STUDIES ON THE CONTINENTAL MARGIN. CANADIAN JOURNAL OF EARTH SCIENCES 3(1): 65-76. (BIO CONTRIBUTION NO. 45).

1112

KEEN, C.E., LOUDEN, K., REID, I. 1985. EXPLOSIVE SHOTS IN MARINE GEOPHYSICS: 20 YEARS OF DEEP SEISMIC STUDIES OFF EASTERN CANADA [ABSTRACT]. IN: EFFECTS OF EXPLOSIVES USE IN THE MARINE ENVIRONMENT; A WORKSHOP (1985 : HALIFAX). OTTAWA: [DEPT OF] FISHERIES AND OCEANS; CANADA OIL AND GAS LANDS ADMINISTRATION. P.

A DISCUSSION OF WHY EXPLOSIVES ARE NECESSARY IN MARINE CRUSTAL SEISMIC REFRACTION STUDIES, AND THE STEPS WE HAVE TAKEN TO MINIMIZE THE USE OF EXPLOSIVES.

1113

KEEN, C.E., MUDFORD, B., STOCKMAL, G.S. 1986. DEEP STRUCTURE AND EVOLUTION OF RIFT BASINS ON THE GRAND BANKS: RESULTS FROM CRUSTAL SEISMIC REFLECTION STUDIES [ABSTRACT]. IN: RESERVES CANADA 21; "CANADA'S HYDROCARBON RESERVES FOR THE 21ST CENTURY"; C.S.P.G. 1986 CONVENTION; PROGRAM AND ABSTRACTS.: 56.

IN THIS TALK I PRESENT THE RESULTS OF DEEP SEISMIC DATA ACROSS THE GRAND BANKS BASINS. I SHOWED THAT THE SEISMIC DATA CONSTRAINS THE MODE OF EXTENSIONAL TECTONICS. PURE SHEAR EXTENSION IS FAVORED.

1114

KEEN, C.E., MUDFORD, B., STOCKMAL, G.S. 1986. EXTENSIONAL MODELS FOR THE GRAND BANKS BASIN: NEW INSIGHTS BASED ON DEEP SEISMIC REFLECTION RESULTS [ABSTRACT]. IN: BASINS OF EASTERN CANADA AND WORLDWIDE ANALOGUES; PROGRAMME WITH ABSTRACTS (1986 : HALIFAX). HALIFAX, N.S.: ATLANTIC GEOSCIENCE SOCIETY. P.60.

TALK SUMMARIZED DEEP REFLECTION RESULTS IN GRAND BANKS REGION, AND PRESENTED SOME MODELS OF EXTENSIONAL SECTIONS BASED ON THE RESULTS.

1115

KEEN, C.E., PEIRCE, J.W. 1982. THE GEOPHYSICAL IMPLICATIONS OF MINIMAL TERTIARY MOTION ALONG NARES STRAIT. IN: NARES STRAIT AND THE DRIFT OF GREENLAND; A CONFLICT IN PLATE TECTONICS, ED., P.R. DAWES AND J.W. KERR. MEDDELELSER OM GRONLAND; GEOSCIENCE 8: 327-337.

THE CONSEQUENCES OF MINIMAL MOTION ALONG NARES STRAIT FOR THE FORMATION OF BAFFIN BAY ARE DESCRIBED. VARIOUS MODELS FOR THE FORMATION OF THAT REGION

ARE EVALUATED WITH RESPECT TO THEIR PREDICTIONS OF CRUSTAL THICKNESS AND BASIN SUBSIDENCE. MODELS OTHER THAN SEA FLOOR SPREADING FOR THE DEEP CENTRAL REGION OF THE BAY FAIL TO SATISFY THE OBSERVATIONAL DATA OR REQUIRE AS MUCH OFFSET IN THE NARES STRAIT REGION AS CONVENTIONAL PLATE TECTONICS.

1116

KEEN, C.E., PIPER, D.J.W., KEEN, M.J. 1983. CANADA-ITS ROLE IN INTERNATIONAL MARINE GEOSCIENCE. IN: THE GEOSCIENCES IN CANADA, 1980; PART 1. MARINE GEOSCIENCE IN CANADA, A STATUS REPORT, PREPARED AND ED. BY THE MARINE GEOSCIENCE COMMITTEE, CANADIAN GEOSCIENCE COUNCIL. GEOLOGICAL SURVEY OF CANADA PAPER 81-6(Pt.1): 53-55.

1117

KEEN, C.E., REID, I., EWING, J. 1983. CONTINUITY OF OCEANIC CRUST ACROSS A RIFTED CONTINENTAL MARGIN AND THE ROLE OF PARTIAL MELTING IN THE RIFTING PROCESS. IN: INTERNATIONAL UNION OF GEODESY AND GEOPHYSICS GENERAL ASSEMBLY (18TH : 1983 : HAMBURG, GERMANY), INTER-UNION COMMISSION ON THE LITHOSPHERE, PROGRAMME AND ABSTRACTS. HAMBURG: THE CONFERENCE. P.60.

1118

KEEN, C.E., REID, I., WOODSIDE, J., NICHOLS, B., LASE STUDY GROUP 1986. DEEP STRUCTURE OF THE US EAST COAST PASSIVE MARGIN FROM LARGE APERTURE SEISMIC EXPERIMENTS (LASE). MARINE PETROLOEUM GEOLOGY 3: 234-242.

1119

KEEN, C.E., ROYDEN, L. 1979. CALCULATION OF PALEOTEMPERATURES IN SEDIMENTARY BASINS AT PASSIVE CONTINENTAL MARGINS: IMPLICATIONS FOR PETROLEUM GENERATION [ABSTRACT]. EOS; TRANSACTIONS, AMERICAN GEOPHYSICAL UNION 60(42): 751.

1120

KEEN, C.E., ROYDEN, L. 1980. THERMAL AND TECTONIC RECONSTRUCTION OF THE EASTERN CANADIAN CONTINENTAL MARGIN DETERMINED FROM SUBSIDENCE HISTORY [ABSTRACT]. GEOLOGICAL SOCIETY OF AMERICA, ABSTRACTS WITH PROGRAMS 12(2): 44.

1121

KEEN, C.E., STOCKMAL, G.S., COLMAN-SADD, S.P., O'BRIEN, S.J., QUINLAN, G. 1985. LITHOPROBE EAST: MARINE DEEP SEISMIC REFLECTION RESULTS ACROSS THE APPALACHIANS AND THE RIFTED CONTINENTAL MARGIN NORTHEAST OF NEWFOUNDLAND [ABSTRACT]. GEOLOGICAL SOCIETY OF AMERICA, ABSTRACTS WITH PROGRAMS 17(7): 625.

REVIEWS THE PRELIMINARY RESULTS FROM DEEP SEISMIC REFLECTION DATA ACROSS THE APPLACHIANS AND THE RIFTED CONTINENTAL MARGIN.

1122

KEEN, C.E., STOCKMAL, G.S., WELSINK, H., QUINLAN, G., MUDFORD, B. 1987. DEEP CRUSTAL STRUCTURE AND EVOLUTION OF THE RIFTED MARGIN NORTHEAST OF NEWFOUNDLAND: RESULTS FROM LITHOPROBE EAST. CANADIAN JOURNAL OF EARTH SCIENCES 24: 1537-1549. (GEOLOGICAL SURVEY OF CANADA CONTRIBUTION 29786).

THIS PAPER DESCRIBES THE RESULTS FROM A DEEP MULTICHANNEL SEISMIC REFLECTION LINE WHICH CROSSES ORPHAN BASIN AND THE OCEAN-CONTINENT TRANSITION. MODELS OF BASIN EVOLUTION WHICH ARE CONSTRAINED BY THESE DATA ARE DESCRIBED.

1123

KEEN, C.E., WHITMARSH, R.B. 1983. SEISMIC STRUCTURE OF THE SUB-CRUSTAL LITHOSPHERE IN THE WESTERN NORTH ATLANTIC: RESULTS FROM LADLE [ABSTRACT]. GEOLOGICAL ASSOCIATION OF CANADA/MINERALOGICAL ASSOCIATION OF CANADA/CANADIAN GEOPHYSICAL UNION PROGRAM WITH ABSTRACTS 8: A37.

1124

KEEN, M.J. 1960. MAGNETIZATION OF SEDIMENT FROM THE EASTERN ATLANTIC OCEAN. NATURE 187(4733): 220-222.

1125

KEEN, M. 1962. OCEAN FLOOR, STRUCTURE OF. IN: ENCYCLOPAEDIC DICTIONARY OF PHYSICS, ED., J.THEWLIS. V.5:185-187.

1126

KEEN, M.J. 1963. MAGNETIC ANOMALIES OVER THE MID-ATLANTIC RIDGE. NATURE 197(4870): 888-890.

1127

KEEN, M.J. 1963. THE MAGNETIZATION OF SEDIMENT CORES FROM THE EASTERN BASIN OF THE NORTH ATLANTIC OCEAN. DEEP-SEA RESEARCH 10(4): 607-622.

1128

KEEN, M.J. 1968. AN INTRODUCTION TO MARINE GEOLOGY. LONDON: PERGAMON. 218P.

1129

KEEN, M.J. 1969. CONTINENTAL MARGIN OF EASTERN CANADA - A SUMMARY. IN: NORTH ATLANTIC - GEOLOGY AND CONTINENTAL DRIFT: A SYMPOSIUM, ED., M. KAY. AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS MEMOIR 12: 88-89.

1130

KEEN, M.J. 1969. POSSIBLE EDGE EFFECT TO EXPLAIN MAGNETIC ANOMALIES OFF THE EASTERN SEABOARD OF THE U.S. NATURE 222(5188): 72-74.

1131

KEEN, M.J. 1970. A POSSIBLE DIAPIR IN THE LAURENTIAN CHANNEL. CANADIAN JOURNAL OF EARTH SCIENCES 7(6): 1561-1564.

1132

KEEN, M.J. 1970. FRACTURE ZONES ON THE MID-ATLANTIC RIDGE BETWEEN 43 DEGREES AND 44 DEGREES NORTH. CANADIAN JOURNAL OF EARTH SCIENCES 7(5): 1352-1355.

1133

KEEN, M.J. 1972. THE DEEP STRUCTURE OF THE APPALACHIAN PROVINCE. IN: VARIATIONS IN TECTONIC STYLES IN CANADA, ED., R.A. PRICE AND R.J.W. DOUGLAS. GEOLOGICAL ASSOCIATION OF CANADA SPECIAL PAPER 11: 243-248.

1134

KEEN, M.J. 1974. THE CONTINENTAL MARGIN OF EASTERN NORTH AMERICA, FLORIDA TO NEWFOUNDLAND. IN: THE OCEAN BASINS AND MARGINS; VOL.2, THE NORTH ATLANTIC, ED., A.E.M. NAIRN AND F.G. STEHLI. NEW YORK: PLENUM PRESS. P.41-78.

1135

KEEN, M.J. 1975. THE OCEAN CRUST. GEOSCIENCE CANADA 2(1): 36-43.

1136

KEEN, M.J. 1979. EARTH SCIENCE DEPARTMENTS IN THE EIGHTIES: PREPARE FOR THE WORST: YOU MAY BE SURPRISED. GEOSCIENCE CANADA 6(4): 181-184.

1137

KEEN, M.J. 1983. INTERNATIONAL PHASE OF OCEAN DRILLING: CANADIAN PARTICIPATION. IN: THE GEOSCIENCES IN CANADA, 1980; PART 1. MARINE GEOSCIENCE IN CANADA, A STATUS REPORT, PREPARED AND ED. BY THE MARINE GEOSCIENCE COMMITTEE, CANADIAN GEOSCIENCE COUNCIL. GEOLOGICAL SURVEY OF CANADA PAPER 81-6(P.T.1): 55-58.

1138

KEEN, M.J. 1983. OCEAN DRILLING PROGRAM: PRODUCING GEOLOGICAL MAPS OF THE SEABED. NORTHERN MINER 69(41): B1-B2.

THE OCEAN DRILLING PROGRAM BEGINS IN THE FALL OF 1984. CANADA HAS SIGNED AN M.O.U. WITH THE NATIONAL SCIENCE FOUNDATION OF THE USA, AND MUST NOW DECIDE WHETHER OR NOT TO JOIN AS A FULL MEMBER, ALONE, OR IN CONCERT WITH A GROUP OF OTHER NATIONS.

1139

KEEN, M.J. 1983. PRACTICAL PROBLEMS AND ISSUES AND THE EARTH SCIENCES OFFSHORE. GEOLOGICAL SURVEY OF CANADA PAPER 83-8: 1.

1140

KEEN, M.J. 1983. THE FEDERAL ENVIRONMENTAL ASSESSMENT REVIEW PROCESS. IN: THE GEOSCIENCES IN CANADA, 1980; PART 1. MARINE GEOSCIENCE IN CANADA, A STATUS REPORT, PREPARED AND ED. BY THE MARINE GEOSCIENCE COMMITTEE, CANADIAN GEOSCIENCE COUNCIL. GEOLOGICAL SURVEY OF CANADA PAPER 81-6(P.T.1): 48-50.

1141

KEEN, M.J. 1984. CANADA AND THE OCEAN DRILLING PROGRAM. GEOSCIENCE CANADA 11(2): 80-82.

1142

KEEN, M.J. 1985. DAWSON, WILLIAM BELL [BIOGRAPHY]. IN: THE CANADIAN ENCYCLOPEDIA. EDMONTON, ALTA.: HURTIG PUBLISHERS. V.1: 475.

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KEEN, M.J. 1986. LES BASSINS SEDIMENTAIRES DE LA MARGE PASSIVE DE L'EST DU

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1144

KEEN, M.J. 1986. TWENTY-FIVE YEARS OF SEAFLOOR SPREADING. IN: BIO REVIEW '86. HALIFAX, NOVA SCOTIA : BEDFORD INSTITUTE OF OCEANOGRAPHY. P.27-31.

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KEEN, M.J. 1986. VINGT-CINQ ANS DE RECHERCHE SUR LES DORSALES. IN: REVUE 1986 DE L'IOB. HALIFAX, NOVA SCOTIA : INSTITUT OCEANOGRAPHIQUE DE BEDFORD. P.30-34.

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KEEN, M.J. 1987. SEDIMENTARY BASIN OF THE PASSIVE MARGIN OFF EASTERN CANADA. IN: BIO REVIEW '86. HALIFAX, NOVA SCOTIA : BEDFORD INSTITUTE OF OCEANOGRAPHY. P.47-54.

A SHORT DESCRIPTION OF THE MARGIN OF A "POPULAR" NATURE FOR THE BIO REVIEW.

1147

KEEN, M.J., BLANCHARD, J.E. 1966. THE CONTINENTAL MARGIN OF EASTERN CANADA. IN: CONTINENTAL MARGINS AND ISLAND ARCS, ED., W.H. POOLE. GEOLOGICAL SURVEY OF CANADA PAPER 66-15: 9-18.

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KEEN, M.J., CLARKE, D.B. 1974. TERTIARY BASALTS OF BAFFIN BAY: GEOCHEMICAL EVIDENCE FOR A FOSSIL HOT-SPOT. IN: GEODYNAMICS OF ICELAND AND THE NORTH ATLANTIC AREA, ED., L. KRISTJANSSON. BOSTON: D. REIDEL PUBLISHING. P.127-137. (NATO ADVANCED STUDY INSTITUTES SERIES; C. MATHEMATICAL AND PHYSICAL SCIENCES 11).

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KEEN, M.J., JOHNSON, J., PARK, I. 1972. GEOPHYSICAL AND GEOLOGICAL STUDIES IN EASTERN AND NORTHERN BAFFIN BAY AND LANCASTER SOUND. CANADIAN JOURNAL OF EARTH SCIENCES 9(6): 689-708.

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KEEN, M.J., KEEN, C.E. 1973. SUBSIDENCE AND FRACTURING ON THE CONTINENTAL MARGIN OF EASTERN CANADA. IN: EARTH SCIENCE SYMPOSIUM ON OFFSHORE EASTERN CANADA (1971 : OTTAWA), ED., P.J. HOOD. GEOLOGICAL SURVEY OF CANADA PAPER 71-23: 23-42.

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KEEN, M.J., LONCAREVIC, B.D., EWING, G.N. 1971. CONTINENTAL MARGIN OF EASTERN CANADA: GEORGES BANK TO KANE BASIN. IN: THE SEA: IDEAS AND OBSERVATIONS ON PROGRESS IN THE STUDY OF THE SEAS; V.4, NEW CONCEPTS OF SEA FLOOR EVOLUTION; PART II, REGIONAL OBSERVATIONS CONCEPTS. NEW YORK: WILEY-INTERSCIENCE. P.251-291. (BIO CONTRIBUTION NO. 181).

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KEEN, M.J., MANCHESTER, K.S. 1968. REFLECTION PROFILING USING AIR-GUNS ON

M.V. THETA. BIO INTERNAL NOTE 1968-26-I. 13P.

1153

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KEEN, M.J., MANCHESTER, K.S. 1970. THE MID-ATLANTIC RIDGE NEAR 45 N; SEDIMENT DISTRIBUTION AND THICKNESS FROM SEISMIC REFLECTION PROFILING. CANADIAN JOURNAL OF EARTH SCIENCES 7(3): 735-747. (BIO CONTRIBUTION NO. 185).

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KEEN, M.J., PIPER, D.J.W. 1976. KELP, METHANE AND AN IMPENETRABLE REFLECTOR IN A TEMPERATE BAY. CANADIAN JOURNAL OF EARTH SCIENCES 13(2): 312-318.

1156

KEEN, M.J., SLY, P.G., HYNDMAN, R.D., LEWIS, C.P. 1983. MARINE GEOSCIENCES IN THE GOVERNMENT OF CANADA. IN: THE GEOSCIENCES IN CANADA, 1980; PART 1. MARINE GEOSCIENCE IN CANADA, A STATUS REPORT, PREPARED AND ED. BY THE MARINE GEOSCIENCE COMMITTEE, CANADIAN GEOSCIENCE COUNCIL. GEOLOGICAL SURVEY OF CANADA PAPER 81-6(Pt.1): 22-43.

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KELLOGG, T., SCHAFFER, C. 1986. CLIMATE-WATER CIRCULATION INTERACTIONS. IN: CONFERENCE REPORTS; ARCTIC LAND-SEA INTERACTIONS, BY J.P.M. SYVITSKI AND G. VILKS. GEOSCIENCE CANADA 13(4): 260.

1158

KEMP, A.L.W., LEWIS, C.F.M. 1968. A PRELIMINARY INVESTIGATION OF CHLOROPHYLL DEGRADATION PRODUCTS IN THE SEDIMENTS OF LAKES ERIE AND ONTARIO. IN: CONFERENCE ON GREAT LAKES RESEARCH (11TH : 1968 : MILWAUKEE, WI), PROCEEDINGS. ANN ARBOR, MI: INTERNATIONAL ASSOCIATION FOR GREAT LAKES RESEARCH. P.206-229.

1159

KENT, D.V., GRADSTEIN, F.M. 1985. A CRETACEOUS AND JURASSIC GEOCHRONOLOGY. GEOLOGICAL SOCIETY OF AMERICA BULLETIN 96(11): 1419-1427.

INTEGRATED GEOMAGNETIC POLARITY, BIOSTRATIGRAPHY CHRONOSTRATIGRAPHY ARE PLACED IN A NEWLY CALCULATED GEOCHRONOLOGY & NEW METHODOLOGY TO INTERPOLATE RADIOMETRICS AND NEW MESONIC OPERATION, DNAG SCALE COMPANION PAPER TO ONE ON CENOZOIC SCALE IN SAME JOURNAL.

1160

KENT, D.V., GRADSTEIN, F.M. 1986. A JURASSIC TO RECENT CHRONOLOGY. IN: THE WESTERN NORTH ATLANTIC REGION, ED., P.R. VOGT AND B.E. TUCHOLKE. BOULDER, CO: GEOLOGICAL SOCIETY OF AMERICA. P.45-50. (THE GEOLOGY OF NORTH AMERICA VOL. M) (DECADE OF NORTH AMERICAN GEOLOGY PROJECT).

1161

KEPKAY, P.E., COOKE, R.C., BARRETT, D.L. 1980. THE ACOUSTIC SIGNATURE OF GAS-BEARING SEDIMENTS IN TWO COASTAL INLETS OF ATLANTIC CANADA. PROCEEDINGS OF THE NOVA SCOTIAN INSTITUTE OF SCIENCE 30(1): 1-9.

1162

KERR, A.J., KEEN, M.J. 1985. HYDROGRAPHIC AND GEOLOGIC CONCERNS OF IMPLEMENTING ARTICLE 76. INTERNATIONAL HYDROGRAPHIC REVIEW 62(1): 139-148.

THE AUTHORS EXAMINE THE SCIENTIFIC AND TECHNICAL PROBLEMS INVOLVED IN IMPLEMENTING ARTICLE 76.

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KERR, A.J., MACNAB, R.F. 1983. NAUTICAL CHARTS AND PUBLICATIONS. BIO REVIEW '83: 24-27.

1164

KERR, A.J., MANCHESTER, K., REINIGER, R., PARSONS, J. 1987. DESIGNING A MULTI-DISCIPLINARY RESEARCH VESSEL. IN: OCEANS '87 (1987 : HALIFAX, NOVA SCOTIA), PROCEEDINGS. NEW YORK : IEEE. P.479.

A NEW D.F.O. 76 METRE CLASS II VESSEL DESIGN IS NEARLY COMPLETED THAT WILL ENABLE IT TO ALTERNATE FROM HYDROGRAPHY TO OCEANOGRAPHIC RESEARCH QUICKLY AND PROVIDE STATE OF THE ART CAPABILITIES IN THESE PROGRAM AREAS. IT HAS STRESSED LARGE VISIBLE OPEN DECKS, EXCELLENT OVER THE SIDE AND DECK HANDLING FACILITIES, HELICOPTER AND HANGER FACILITIES, GOOD STATION KEEPING, ACOUSTIC QUIETNESS AND SEA KINDLINESS.

1165

KIDD, R.B., HILL, P.R. 1986. SEDIMENTATION ON MID-OCEAN SEDIMENT DRIFTS. IN: NORTH ATLANTIC PALAEOCEANOGRAPHY, ED., C.P. SUMMERHAYES AND N.J. SHACKLETON. OXFORD: BLACKWELL SCIENTIFIC PUBLICATIONS FOR THE GEOLOGICAL SOCIETY. P.87-102. (GEOLOGICAL SOCIETY SPECIAL PUBLICATION NO. 21).

RESULTS OF DRILLING FENI AND GARDAR SEDIMENT DRIFTS ARE DESCRIBED. FENI DRIFT IS YOUNGER AND THICKER THAN PREVIOUSLY THOUGHT. THE SEDIMENT WAVE FIELD ARE COMPLEX AND LITHOLOGIES MAINLY PELAGIC.

1166

KIDD, R.B., HILL, P.R. 1987. SEDIMENTATION ON FENI AND GARDAR SEDIMENT DRIFTS. IN: INITIAL REPORTS OF THE DEEP SEA DRILLING PROJECT, [BY] W.F. RUDDIMAN, R.B. KIDD [ET AL.]. WASHINGTON: U.S. GOVERNMENT PRINTING OFFICE. P.1217-1244.

THE PAPER SYNTHESISES DATA PRESENTED ON SEDIMENT DRIFTS IN THE DSDP LEG 94 INITIAL REPORTS VOLUME 14 REVIEWS SEISMIC AND DRILLING RESULTS AT THE TWO DRIFT SITES. POSSIBLE MECHANISMS FOR SEDIMENT WAVE FORMATION ON THE DRIFTS ARE DISCUSSED INCLUDING INTERNAL WAVES IN A STRATIFIED PLIOCENE OCEAN.

1167

KIDSON, E.J., AURISANO, R.W., HEDLUND, R.W., STEIN, J.A. 1987. MORPHOLOGIC KEY TO FOSSIL DINOFLAGELLATE GENERIC GROUPS. IN: THE AMERICAN ASSOCIATION OF STRATIGRAPHIC PALYNOLOGISTS(20TH : 1987 : HALIFAX) [PROGRAMME AND ABSTRACTS]. THE AMERICAN ASSOCIATION OF STRATIGRAPHIC PALYNOLOGISTS INC. P.102.

460 GENERA OF FOSSIL DINOFLAGELLATE CYSTS ARE PLACED INTO 91 MORPHOLOGIC GROUPS, EACH OF WHICH IS ILLUSTRATED WITH A LINE DRAWING.

1168

KIDSON, E.J., WILLIAMS, G.L. 1971. A DEVICE FOR THE MANIPULATION OF MICROFOSSILS. POLLEN ET SPORES 13(2): 359-364.

THE MICRO-PICKER DESCRIBED IN THIS PAPER IS A MECHANICALLY MANIPULATED NEEDLE THAT WILL PICK UP INDIVIDUAL PALYNOMORPHS FROM A DRY MOUNT. THE SPECIMENS CAN THEN BE MOUNTED ON AN SEM PLUG, SAVING CONSIDERABLE SEM TIME WHEN COMPARED TO THE STREW MOUNT TECHNIQUE.

1169

KIDSON, E.J., WILLIAMS, G.L. 1979. A LATE CRETACEOUS DINOFLAGELLATE ASSEMBLAGE FROM THE MID-CONTINENT OF NORTH AMERICA [ABSTRACT]. IN: AMERICAN ASSOCIATION OF STRATIGRAPHIC PALYNOLOGISTS, PROCEEDINGS OF THE ANNUAL MEETING (10TH : 1977 : TULSA, OK). PALYNOLOGY 3: 288.

1170

KING, L.H. 1975. GEOSYNCLINAL DEVELOPMENT ON THE CONTINENTAL MARGIN SOUTH OF NOVA SCOTIA AND NEWFOUNDLAND. IN: OFFSHORE GEOLOGY OF EASTERN CANADA: VOLUME 2 - REGIONAL GEOLOGY, ED., W.J.M. VAN DER LINDEN AND J.A. WADE. GEOLOGICAL SURVEY OF CANADA PAPER 74-30(2): 199-206. (BIO CONTRIBUTION NO. 560).

THE PAPER PROPOSES THE USE OF GEOSYNCLINAL CONCEPTS ALONG THE CANADIAN ATLANTIC MARGIN.

1171

KING, L.H. 1976. RELICT ICEBERG FURROWS ON THE LAURENTIAN CHANNEL AND WESTERN GRAND BANKS. CANADIAN JOURNAL OF EARTH SCIENCES 13(8): 1082-1092. (BIO CONTRIBUTION NO. 610).

A UNIQUE OCCURRENCE OF LATE PLEISTOCENE ICEBERG FURROWS.

1172

KING, L.H. 1980. ASPECTS OF REGIONAL SURFICIAL GEOLOGY RELATED TO SITE INVESTIGATION REQUIREMENTS - EASTERN CANADIAN SHELF. IN: OFFSHORE SITE INVESTIGATION, ED., D.A. ARDUS. LONDON: GRAHAM & TROTMAN. P.37-59. (BIO CONTRIBUTION NO. 945).

1173

KING, L.H., FADER, G.B. 1976. APPLICATION OF THE HUNTEC DEEP TOW HIGH-RESOLUTION SEISMIC SYSTEM TO SURFICIAL AND BEDROCK STUDIES - GRAND BANKS OF NEWFOUNDLAND. GEOLOGICAL SURVEY OF CANADA PAPER 76-1C: 5-7.

1174
KING, L.H., FADER, G.B. 1981. SEABED CONDITIONS EAST OF THE AVALON PENINSULA TO THE VIRGIN ROCKS. GEOLOGICAL SURVEY OF CANADA OPEN FILE 723. 5P. + 1 CHART.

1175
KING, L.H., FADER, G.B. 1984. WISCONSINAN GLACIATION ON THE CONTINENTAL SHELF - SOUTHEAST ATLANTIC CANADA. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1126. 114P. PLUS MAPS, ETC.

THROUGH THE INTERPRETATION OF HIGH RESOLUTION SEISMIC REFLECTION PROFILES AND SAMPLE DATA, A MODEL IS PROPOSED FOR THE DEPOSITION OF GLACIAL SEDIMENTS ON THE SCOTIAN SHELF AND GRAND BANKS OF NEWFOUNDLAND. A CHRONOLOGY AND GLACIAL HISTORY OF EASTERN CANADA IS DISCUSSED.

1176
KING, L.H., FADER, G.B.J., JENKINS, W.A.M., KING, E.L. 1986. OCCURRENCE AND REGIONAL GEOLOGICAL SETTING OF PALEOZOIC ROCKS ON THE GRAND BANKS OF NEWFOUNDLAND. CANADIAN JOURNAL OF EARTH SCIENCES 23(4): 504-526.

1177
KING, L.H., FADER, G.B., POOLE, W.H., WANLESS, R.K. 1985. GEOLOGICAL SETTING AND AGE OF THE FLEMISH CAP GRANODIORITE, EAST OF THE GRAND BANKS OF NEWFOUNDLAND. CANADIAN JOURNAL OF EARTH SCIENCES 22(9): 1286-1298.

1178
KING, L.H., HYNDMAN, R.D., KEEN, C.E. 1975. GEOLOGICAL DEVELOPMENT OF THE CONTINENTAL MARGIN OF ATLANTIC CANADA. GEOSCIENCE CANADA 2(1): 26-35. (BIO CONTRIBUTION NO. 482).

THIS IS PRIMARILY A REVIEW ARTICLE. IT EXAMINES THE PHYSICAL PROCESSES OF UPLIFT AND SUBSIDENCE DURING INITIAL RIFTING AT THE CONTINENTAL MARGIN. IT ALSO COMPARES THE DIFFERENT MARGINS OF ATLANTIC CANADA AND DESCRIBES THE DEVELOPMENT OF THE GEOSYNCLINE AND ITS COMPONENT PARTS, THE MIGEOCLINE AND THE EUGEOCLINE.

1179
KING, L.H., MACLEAN, B. 1970. A DIAPIRIC STRUCTURE NEAR SABLE ISLAND - SCOTIAN SHELF. MARITIME SEDIMENTS 6(1): 1-4.

1180
KING, L.H., MACLEAN, B. 1970. CONTINUOUS SEISMIC-REFLECTION STUDY OF ORPHEUS GRAVITY ANOMALY. AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS BULLETIN 54(11): 2007-2031. (BIO CONTRIBUTION NO. 204).

1181
KING, L.H., MACLEAN, B. 1970. OBSERVATIONS ON CRETACEOUS OUTCROP FROM A SUBMERSIBLE - SCOTIAN SHELF. CANADIAN JOURNAL OF EARTH SCIENCES 7(1): 188-190.

1182
KING, L.H., MACLEAN, B. 1970. ORIGIN OF THE OUTER PART OF THE LAURENTIAN CHANNEL. CANADIAN JOURNAL OF EARTH SCIENCES 7(6): 1470-1484. (BIO CONTRIBUTION NO. 206).

1183
KING, L.H., MACLEAN, B. 1970. POCKMARKS ON THE SCOTIAN SHELF. GEOLOGICAL SOCIETY OF AMERICA BULLETIN 81(10): 3141-3148. (BIO CONTRIBUTION NO. 200).

1184
KING, L.H., MACLEAN, B. 1975. GEOLOGY, SCOTIAN SHELF AND ADJACENT AREAS. IN: OFFSHORE GEOLOGY OF EASTERN CANADA: VOLUME 2 - REGIONAL GEOLOGY, ED., W.J.M. VAN DER LINDEN AND J.A. WADE. GEOLOGICAL SURVEY OF CANADA PAPER 74-30(2): MAP HOLDER 1, MAP 812H.

1185
KING, L.H., MACLEAN, B. 1975. STRATIGRAPHIC INTERPRETATION OF THE CENTRAL GRAND BANKS FROM HIGH-RESOLUTION SEISMIC REFLECTION PROFILES. IN: OFFSHORE GEOLOGY OF EASTERN CANADA: VOLUME 2 - REGIONAL GEOLOGY, ED., W.J.M. VAN DER LINDEN AND J.A. WADE. GEOLOGICAL SURVEY OF CANADA PAPER 74-30(2): 175-185. (BIO CONTRIBUTION NO. 559).

THIS PAPER IS CONCERNED WITH STRATIGRAPHIC INTERPRETATION USING SEISMIC REFLECTION PROFILES AND BIOSTRATIGRAPHICAL DATA FROM SHALLOW CORES.

1186
KING, L.H., MACLEAN, B. 1976. GEOLOGY OF THE SCOTIAN SHELF. GEOLOGICAL SURVEY OF CANADA PAPER 74-31. 31P. (MARINE SCIENCES PAPER 7) (BIO CONTRIBUTION NO. 563).

THIS REPORT ACCOMPANIES CHART 812H, GEOLOGY OF THE SCOTIAN SHELF AND ADJACENT AREAS. IT DISCUSSES THE ROCKS WHICH OCCUR AT THE SUB-PLEISTOCENE UNCONFORMITY ON THE CONTINENTAL SHELF BETWEEN THE BAY OF FUNDY AND SOUTHWESTERN NEWFOUNDLAND. ROCKS OF THE APPALACHIAN PROVINCE EXTEND SEAWARD WHERE THEY BECOME OVERLAIN BY MESOZOIC AND CENOZOIC STRATA WHICH THICKEN TOWARD THE CONTINENTAL MARGIN.

1187
KING, L.H., MACLEAN, B., BARTLETT, G.A., JELETZKY, J.A., HOPKINS, W.S. 1970. CRETACEOUS STRATA ON THE SCOTIAN SHELF. CANADIAN JOURNAL OF EARTH SCIENCES 7(1): 145-155. (BIO CONTRIBUTION NO. 170).

1188
KING, L.H., MACLEAN, B., DRAPEAU, G. 1972. THE SCOTIAN SHELF SUBMARINE END-MORaine COMPLEX. IN: INTERNATIONAL GEOLOGICAL CONGRESS (24TH : 1972 : MONTREAL), SECTION 8, MARINE GEOLOGY AND GEOPHYSICS. OTTAWA: THE CONGRESS. P.237-249.

1189
KING, L.H., MACLEAN, B., FADER, G.B. 1973. MARINE ACTIVITIES ON THE GRAND

BANKS. GEOLOGICAL SURVEY OF CANADA PAPER 73-1A: 113-114.

1190

KING, L.H., MACLEAN, B., FADER, G.B. 1974. SURFICIAL AND BEDROCK GEOLOGY OF THE SCOTIAN SHELF AND GRAND BANKS. GEOLOGICAL SURVEY OF CANADA PAPER 74-1A: 117.

1191

KING, L.H., MACLEAN, B., FADER, G.B. 1974. UNCONFORMITIES ON THE SCOTIAN SHELF. CANADIAN JOURNAL OF EARTH SCIENCES 11(1): 89-100. (BIO CONTRIBUTION NO. 387).

CONCERNS THE RECOGNITION OF UNCONFORMITIES WITHIN THE COASTAL PLAIN SEDIMENTS ON THE SCOTIAN SHELF.

1192

KINGSBURY, R.W., RADLOW, A., MUDIE, P.J., RUTHERFORD, J., RADLOW, R. 1976. SALT STRESS RESPONSE IN *LASTHENIA GLABRATA* LINDL., A WINTER ANNUAL COMPOSITE ENDEMIC TO SALINE SOILS. CANADIAN JOURNAL OF BOTANY 54(13): 1377-1385.

1193

KLASSEN, R.A., MACLEAN, B. 1986. QUATERNARY GEOLOGY AND STRATIGRAPHY OF HUDSON STRAIT. IN: ARCTIC WORKSHOP (15TH : 1986 : INSTITUTE OF ARCTIC AND ALPINE RESEARCH, BOULDER, CO). BOULDER, CO: [THE WORKSHOP]. P.1-2.

1194

KONG, L., RYAN, W.B.F., MAYER, L.A., DETRICK, R.S., FOX, P.J., MANCHESTER, K. 1985. BARE-ROCK DRILL SITES, O.D.P. LEGS 106 AND 109: EVIDENCE FOR HYDROTHERMAL ACTIVITY AT 23 DEGREES N ON THE MID-ATLANTIC RIDGE [ABSTRACT]. EOS; TRANSACTIONS, AMERICAN GEOPHYSICAL UNION 66(46): 936.

SEABEAM, SEAMARC I AND BOTTOM PHOTOGRAPHY ALONG THE MID ATLANTIC RIDGE AT 23 N HAVE BEEN USED TO IDENTIFY THREE POTENTIAL BARE ROCK DRILLING SITES FOR O.D.P. LEGS 106 - 109. RECENT VOLCANIC ACTIVITY IS INFERRED ALONG WITH BOTTOM PHOTOGRAPHS SHOWING A POCKET OF HYDROTHERMAL SEDIMENT AS WELL AS CRABS AND DEAD TUBE WORMS.

1195

KONTOPOULOS, N., PIPER, D.J.W. 1982. LATE QUATERNARY LITHOSTRATIGRAPHY AND SEDIMENTATION, KAIPOKOK BAY, LABRADOR. GEOLOGICAL SURVEY OF CANADA PAPER 82-1B: 1-6.

1196

KONTOPOULOS, N., PIPER, D.J.W. 1982. STORM GRADED SAND AT 200 M WATER DEPTH, SCOTIAN SHELF, EASTERN CANADA. GEO-MARINE LETTERS 2(1/2): 77-81.

1197

KOPPEN, L. 1986. REPORT ON THE SURFICIAL GEOLOGY OF UPPER CHALEUR BAY MAPPED USING MS26B ECHOSOUNDER DATA FROM THE CANADIAN HYDROGRAPHIC SERVICE. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1327: 45P.

THE REFLECTOR CHARACTER FROM MS26B ACOUSTIC PROFILES WAS DIGITIZED AND A MAP IS PROVIDED FOR UPPER CHALEUR BAY. THE REFLECTOR CHARACTER WAS INTERPRETED IN TERMS OF TEXTURAL CHARACTER OF THE SEAFLOOR SEDIMENTS.

1198

KOVACS, L.C., SRIVASTAVA, S.P., JACKSON, H.R. 1986. RESULTS FROM AN AEROMAGNETIC INVESTIGATION OF THE NARES STRAIT REGION. IN: POLAR GEOPHYSICS; PROCEEDINGS OF THE SYMPOSIUM POLAR GEOPHYSICS (1985 : TOKYO), EDS., G.L. JOHNSON AND K. KAMINUMA. JOURNAL OF GEODYNAMICS 6: 91-110.

1199

KRANCK, K., SYVTITSKI, J.P.M. 1982. ISODYNAMIC SIZE DISTRIBUTIONS [ABSTRACT]. IN: INTERNATIONAL CONGRESS ON SEDIMENTOLOGY (11TH : 1982 : MCMASTER UNIVERSITY, HAMILTON, ONT.), ABSTRACTS OF PAPERS. HAMILTON: MCMASTER UNIVERSITY, DEPT. OF GEOLOGY. P.80.

1200

KRAUSE, D.C., WHITE, W.C., PIPER, D.J.W., HEEZEN, B.C. 1970. TURBIDITY CURRENTS AND CABLE BREAKS IN THE WESTERN NEW BRITAIN TRENCH. GEOLOGICAL SOCIETY OF AMERICA BULLETIN 81(7): 2153-2160.

1201

KULM, L.D., VON HUENE, R., DUNCAN, J.R., INGLE, J.C., KLING, S.A., MUSICH, L.F., PIPER, D.J.W., PRATT, R.M., SCHRADER, H.-J., WESER, O., WISE, S.W. 1973. SHIPBOARD SITE REPORTS, SITES 172-182. IN: INITIAL REPORTS OF THE DEEP SEA DRILLING PROJECT, L.D. KULM, R. VON HUENE, ET AL. WASHINGTON: U.S. GOVERNMENT PRINTING OFFICE. V.18:15-513.

1202

KURFURST, P.J., MORAN, K., NIXON, F.M. 1984. DRILLING AND SAMPLING IN FROZEN SEABOTTOM SEDIMENTS, SOUTHERN BEAUFORT SEA. GEOLOGICAL SURVEY OF CANADA PAPER 84-1B: 193-195.

1203

LADLE STUDY GROUP, WHITMARSH, R.B., KEEN, C.E., STEINMETZ, L., TOMBLIN, J., DONEGAN, M., LILWALL, R.C., LONCAREVIC, B.D., NICHOLS, B., SHEPHERD, J. 1983. A LITHOSPHERIC SEISMIC REFRACTION PROFILE IN THE WESTERN NORTH ATLANTIC OCEAN. GEOPHYSICAL JOURNAL OF THE ROYAL ASTRONOMICAL SOCIETY 75(1): 23-69.

1204

LANCELOT, Y., SEIBOLD, E., CEPEK, P., DEAN, W.E., EREMEEV, V., GARDNER, J.V., JANSÁ, L.F., JOHNSON, D., KRASHENINNIKOV, V., PFLAUMANN, U., RANKIN, J.G., TRABANT, P. 1975. THE EASTERN NORTH ATLANTIC. GEOTIMES 20(7): 18-21.

DESCRIBES THE RESULTS OF THE DEEP SEA DRILLING PROJECT AT THE CONTINENTAL MARGIN BETWEEN THE IVORY COAST AND SPAIN (DSDP LEG 41).

1205

LANCELOT, Y., SEIBOLD, E., CEPEK, P., DEAN, W.E., EREMEEV, V., GARDNER, J., JANSÁ, L.F., JOHNSON, D., KRASHENINNIKOV, V., PFLAUMANN, U., RANKIN, J.G.,

TRABANT, P., BUKRY, D. 1978. SITE 366: SIERRA LEONE RISE. IN: INITIAL REPORTS OF THE DEEP SEA DRILLING PROJECT, Y. LANCELOT, E. SEIBOLD, ET AL. WASHINGTON: U.S. GOVERNMENT PRINTING OFFICE. V.41: 21-161. (BIO CONTRIBUTION NO. 820).

THE THREE MAJOR OBJECTIVES AT SITE 366 WERE: TO OBTAIN A GOOD STRATIGRAPHIC RECORD FOR LATE CRETACEOUS AND TERTIARY; TO DECIPHER THE SUBSIDENCE HISTORY OF THE RISE; AND TO DETERMINE THE NATURE OF THE BASEMENT. THE NEARLY COMPLETE CENOZOIC SECTION ALLOWED DETAILED MICROPALAEONTOLOGIC ZONATION OF THE SECTION AND DATA ON THE MODE OF CHARACTER OF DEPOSITION AND DIAGENETIC ALTERATION OF DEEP SEA DEPOSITS.

1206

LANCELOT, Y., SEIBOLD, E., CEPEK, P., DEAN, W.E., EREMEEV, V., GARDNER, J.V., JANSKA, L.F., JOHNSON, D., KRASHENINNIKOV, V.A., PFLAUMANN, U., RANKIN, J.G., TRABANT, P., BUKRY, D. 1978. SITE 367: CAPE VERDE BASIN. IN: INITIAL REPORTS OF THE DEEP SEA DRILLING PROJECT, Y. LANCELOT, E. SEIBOLD ET AL. WASHINGTON: U.S. GOVERNMENT PRINTING OFFICE. V.41: 163-232.

DRILLING IN THE CAPE VERDE BASIN WAS INSIDE THE QUIET MAGNETIC ZONE BOUNDARY. HERE, THE OLDEST SEDIMENTS FROM THE EASTERN NORTH ATLANTIC WERE RECOVERED. THEY ARE REPRESENTED BY ROCKS SIMILAR TO THE ROSSO ET APTICI FACIES OF THE MEDITERRANEAN. THE ROCKS INDICATE THAT THE SOUTHERN NORTH ATLANTIC WAS MORE THAN 1000 M DEEP IN THE EARLY OXFORDIAN AND AN UNRESTRICTED CONNECTION EXISTED BETWEEN THE MEDITERRANEAN AND THE NORTH ATLANTIC BASIN.

1207

LANCELOT, Y., SEIBOLD, E., CEPEK, P., DEAN, W.E., EREMEEV, V., GARDNER, J.V., JANSKA, L.F., JOHNSON, D., KRASHENINNIKOV, V.A., PFLAUMANN, U., RANKIN, J.G., TRABANT, P., BUKRY, D. 1978. SITE 368: CAPE VERDE RISE. IN: INITIAL REPORTS OF THE DEEP SEA DRILLING PROJECT, Y. LANCELOT, E. SEIBOLD, ET AL. WASHINGTON: U.S. GOVERNMENT PRINTING OFFICE. V.41: 233-326.

THE DRILLING DATA STRONGLY SUGGEST THAT THE CAPE VERDE RISE IS A RESULT OF A BROAD UPLIFT PROBABLY RELATED TO AND CONTEMPORANEOUS WITH THE EARLY NEOGENE VOLCANIC ACTIVITY WHICH BUILT THE CAPE VERDE ISLANDS. THE SEISMIC REFLECTORS BELOW THE RISE INDICATE THE OCCURRENCE OF A SERIES OF UPPER CRETACEOUS TO MIOCENE TURBIDITES AND DIABASE SILLS.

1208

LANCELOT, Y., SEIBOLD, E., CEPEK, P., DEAN, W.E., EREMEEV, V., GARDNER, J.V., JANSKA, L.F., JOHNSON, D., KRASHENINNIKOV, V.A., PFLAUMANN, U., RANKIN, J.G., TRABANT, P., BUKRY, D. 1978. SITE 369: CONTINENTAL SLOPE OFF CAPE BOJADOR, SPANISH SAHARA. IN: INITIAL REPORTS OF THE DEEP SEA DRILLING PROJECT, Y. LANCELOT, E. SEIBOLD, ET AL. WASHINGTON: U.S. GOVERNMENT PRINTING OFFICE. V.41: 327-420.

SITE 369 WAS THE FIRST DSDP SITE TO SUBSTANTIALLY PENETRATE A CONTINENTAL SLOPE SECTION. THE DATA RESULTED IN NEW CONCEPTS TO EXPLAIN HYDROCARBON POTENTIAL OF SUCH REGIONS. IN AREAS WITHOUT THE STRONG INFLUENCE OF

DELTAIC DEPOSITION, THE PELAGIC SEDIMENTS ARE THE MAJOR SEDIMENTARY COMPONENT AND POTENTIAL RESERVOIR ROCKS ARE LACKING.

1209

LANCELOT, Y., SEIBOLD, E., CEPEK, P., DEAN, W.E., EREMEEV, V., GARDNER, J.V., JANSA, L.F., JOHNSON, D., KRASHENINNIKOV, V.A., PFLAUMANN, U., RANKIN, J.G., TRABANT, P., BUKRY, D. 1978. SITE 370: DEEP BASIN OFF MOROCCO. IN: INITIAL REPORTS OF THE DEEP SEA DRILLING PROJECT, Y. LANCELOT, E. SEIBOLD, ET AL. WASHINGTON: U.S. GOVERNMENT PRINTING OFFICE. V.41: 421-491.

EVEN THOUGH DRILLING AT THIS SITE CONTINUED SMOOTHLY, BASEMENT WAS NOT ENCOUNTERED BECAUSE OF THE TIME LIMITATION. UNLIKE OTHER SITES ALONG THE NORTHWESTERN AFRICAN MARGIN, DEEP-SEA FAN DEPOSITS WERE ENCOUNTERED. THE COARSE FRACTION IS REPRESENTED BY TURBIDITE BEDS OF AVERAGE THICKNESS LESS THAN 15 CM. THE TURBIDITES ARE WELL CEMENTED BY SPARRY CALCITE. THE SITE WHICH IS SEAWARD OF THE LOWER CRETACEOUS DELTA PROVIDES THE FIRST INFORMATION ABOUT THE RESERVOIR POTENTIAL OF THE LOWER RISE.

1210

LANGDON, D.R., BELL, J.S., FRICKER, A. 1985. LOGAN CANYON FORMATION LITHOFACIES: SCOTIAN SHELF [ABSTRACT]. IN: TECTONIC MODELS FOR THE EVOLUTION OF THE APPALACHIAN REGION; ABSTRACTS, ATLANTIC GEOSCIENCE SOCIETY 1985 SYMPOSIUM. MARITIME SEDIMENTS AND ATLANTIC GEOLOGY 21(1/3): 33.

LITHFILE DATA POINTS TO THE LOGAN CANYON FORMATION CLASTIC MATERIAL BEING SUPPLIED BY 3 SOUTH-FLOWING DISTRIBUTARY SYSTEMS AND BLENDED BY SOUTHWESTWARD LONGSHORE DRIFT.

1211

LANGILLE, A.B., BURDEN, E.T., SEARS, W.B., HOLLOWAY, D.C. 1986. GEOLOGICAL INVESTIGATION OF CRETACEOUS? STRATA BENEATH CAPE DYER BASALTS (PALEOCENE), BAFFIN ISLAND, DISTRICT OF FRANKLIN. GEOLOGICAL SURVEY OF CANADA PAPER 86-1A: 483-488.

PALYNOLOGICAL EVIDENCE OBTAINED FROM SAMPLES RECOVERED FROM DELTAIC SANDSTONES THAT OUTCROP BENEATH PALEOCENE BASALTS AT 3 LOCATIONS ON BAFFIN ISLAND SUGGESTS AN ALBIAN AGE.

1212

LASE-STUDY-GROUP, KEEN, C., REID, I., WOODSIDE, J., NICHOLS, B., EWING, J.I., PURDY, G.M., SCHOUTEN, H., DIEBOLD, J.B., BUHL, P., MUTTER, J.C., MITHAL, R., ALSOP, J., STOFFA, P.L., PHILLIPS, J.D., STARK, T., O'BRIEN, T. 1986. DEEP STRUCTURE OF THE US EAST COAST PASSIVE MARGIN FROM LARGE APERTURE SEISMIC EXPERIMENTS (LASE). MARINE AND PETROLEUM GEOLOGY 3(3): 234-242.

1213

LEFORT, J.P., HAWORTH, R.T. 1977. L'ARC IBERO-ARMORICAIN: UNE STRUCTURE PRECAMBRIENNE DE LA PLATEFORME AVALONIENNE [ABSTRACT]. IN: REUNION ANNUELLE DES SCIENCES DE LA TERRE (5E : 1977 : RENNES, FRANCE). PARIS: LA CONFERENCE. P.311.

THE REGIONAL PRECAMBRIAN BASEMENT TRENDS OF THE AVALON PLATFORM AND SPAIN APPEAR TO CORRELATE ON PROPOSED RECONSTRUCTIONS OF THE NORTH ATLANTIC.

1214

LEFORT, J.P., HAWORTH, R.T. 1978. GEOPHYSICAL STUDY OF BASEMENT FRACTURES ON THE WESTERN EUROPEAN AND EASTERN CANADIAN SHELVES: TRANSATLANTIC CORRELATIONS, AND LATE HERCYNIAN MOVEMENTS. CANADIAN JOURNAL OF EARTH SCIENCES 15(3): 397-404. (BIO CONTRIBUTION NO. 689).

GEOPHYSICAL DATA INDICATE A TRANSATLANTIC CORRELATION BETWEEN MAJOR LATE PALEOZOIC FRACTURES IN FRANCE, IBERIA AND THE EASTERN CANADIAN CONTINENTAL MARGIN.

1215

LEFORT, J.P., HAWORTH, R.T. 1979. THE AGE AND ORIGIN OF THE DEEPEST CORRELATIVE STRUCTURES RECOGNIZED OFF CANADA AND EUROPE. IN: CRUSTAL PROPERTIES ACROSS PASSIVE MARGINS, ED., C.E. KEEN. TECTONOPHYSICS 59(1-4): 139-150. (INTER-UNION COMMISSION ON GEODYNAMICS SCIENTIFIC REPORT 51) ALSO PUBLISHED IN: CRUSTAL PROPERTIES ACROSS PASSIVE MARGINS: SELECTED PAPERS FROM THE SYMPOSIUM (1978 : HALIFAX, N.S.), ED., C.E. KEEN. AMSTERDAM: ELSEVIER, P.139-150. (DEVELOPMENTS IN GEOTECTONICS 15).

DETAILED GEOLOGICAL/GEOPHYSICAL CORRELATION IN AND BETWEEN AVALON ZONE IN CANADA AND IBERIAN-FRANCO PRECAMBRIAN.

1216

LEFORT, J.P., HAWORTH, R. 1981. GEOPHYSICAL CORRELATION BETWEEN BASEMENT FEATURES IN NORTH AFRICA AND EASTERN NEW ENGLAND; THEIR CONTROL OVER NORTH ATLANTIC STRUCTURAL EVOLUTION. BULLETIN DE LA SOCIETE GEOLOGIQUE ET MINERALOGIQUE DE BRETAGNE. SERIE C 13(2), P. 103-116.

CORRELATION BETWEEN FAULTS ON THE CONTINENTAL MARGINS OF NEW ENGLAND AND NORTHWEST AFRICA PROVIDE LATITUDINAL CONTROL OVER PRE-DRIFT RECONSTRUCTIONS OF THE NORTH ATLANTIC.

1217

LEG-105-SCIENTIFIC-PARTY, [SRIVASTAVA, S.P.] 1986. END OF SPREADING & GLACIAL ONSET DATED [BAFFIN BAY AND LABRADOR SEA]. GEOTIMES 31(4): 11-14.

RESULTS FROM DRILLING ONE HOLE IN BAFFIN BAY (#645, PENETRATION 1147 M) AND TWO HOLES IN THE LABRADOR SEA (#646, PENETRATION 766 M; #647, PENETRATION 736 M) DURING LEG 105 OF ODP SHOW THAT ICE RAFTING STARTED EARLIER IN BAFFIN BAY (3.5MA) THAN IN THE LABRADOR SEA (2.5MA), THE BUILDING OF MAJOR DRIFTS BEGAN IN THE MIDDLE LATE MIOCENE IN SOUTHWESTERN BAFFIN BAY AND IN THE LABRADOR SEA ON EIRIK AND GLORIA DRIFTS.

1218

LENTIN, J.K., WILLIAMS, G.L. 1973. FOSSIL DINOFLAGELLATES: INDEX TO GENERA AND SPECIES. GEOLOGICAL SURVEY OF CANADA PAPER 73-42. 176P.

ALPHABETICAL LISTING (WITH AUTHOR, PAGE, AND PLATE NUMBER) OF 292 GENERA,

1328 SPECIES, AND 3 VARIETATES. THE ORIGINAL STRATIGRAPHIC OCCURRENCE IS GIVEN FOR EACH SPECIES.

1219

LENTIN, J.K., WILLIAMS, G.L. 1975. A MONOGRAPH OF FOSSIL PERIDINIOID DINOFLAGELLATE CYSTS. BEDFORD INSTITUTE OF OCEANOGRAPHY REPORT SERIES BI-R-75-16. 237P.

THE PERIDINIACEAE ARE ONE OF THE TWO MOST IMPORTANT GROUPS OF FOSSIL DINOFLAGELLATES. IN THIS PAPER EACH PUBLISHED SPECIES OF THE GROUP IS ILLUSTRATED AND PLACED INTO ONE OF 51 GENERA WHICH ARE EITHER EMENDED, REDESCRIBED, OR NEW. A NEW FORMAT FOR THE GENERIC DIAGNOSES, WHICH FACILITATES THE UNDERSTANDING OF THE MORPHOLOGIC FEATURES, IS UTILIZED.

1220

LENTIN, J.K., WILLIAMS, G.L. 1975. FOSSIL DINOFLAGELLATES: INDEX TO GENERA AND SPECIES. SUPPLEMENT 1. CANADIAN JOURNAL OF BOTANY 53(19): 2147-2157. (BIO CONTRIBUTION NO. 546).

DESCRIBES A NEW SPECIES OF FORAMINIFERA(?) USEFUL FOR RECOGNITION OF BACK REEF FACIES IN OIL EXPLORATION OF DEVONIAN REEFS.

1221

LENTIN, J.K., WILLIAMS, G.L. 1977. FOSSIL DINOFLAGELLATES: INDEX TO GENERA AND SPECIES, 1977 EDITION. BEDFORD INSTITUTE OF OCEANOGRAPHY REPORT SERIES BI-R-77-8. 209P.

THE INDEX IS AN ALPHABETIC LISTING OF FOSSIL DINO CYST TAXA AT AND BELOW THE GENERIC RANK, PUBLISHED PRIOR TO APRIL 1977; IT INCLUDES 342 GENERA, 1700 SPECIES, AND 136 SUBSPECIES. ALSO LISTED ARE 48 GENERIC NAMES NO LONGER CONSIDERED VALID. FIFTY-EIGHT NEW COMBINATIONS ARE PROPOSED, AS WELL AS TWO NEW NAMES FOR JUNIOR HOMONYMS, AND 14 CHANGES OF RANK. NEW COMBINATIONS ARE CROSS-REFERENCED TO THE BASIONYM AND OTHER COMBINATIONS. INCLUDES BIBLIOGRAPHY.

1222

LENTIN, J.K., WILLIAMS, G.L. 1977. TAXONOMIC NOTE: FOSSIL DINOFLAGELLATE GENUS ISABELIDINIUM NOM.NOV. IN: AMERICAN ASSOCIATION OF STRATIGRAPHIC PALYNOLOGISTS, PROCEEDINGS OF THE ANNUAL MEETING (8TH : 1975 : HOUSTON). PALYNOLOGY 1: 167-168.

1223

LENTIN, J.K., WILLIAMS, G.L. 1978. ALPHABETICAL LISTING OF FOSSIL DINO CYST SPECIES. BEDFORD INSTITUTE OF OCEANOGRAPHY REPORT SERIES BI-R-78-4. 44P.

AN ALPHABETICAL LISTING OF FOSSIL DINO CYST SPECIES SO THAT THEIR GENERIC ASSIGNMENTS CAN BE DETERMINED.

1224

LENTIN, J.K., WILLIAMS, G.L. 1980. DINOFLAGELLATE PROVINCIALISM WITH EMPHASIS ON CAMPANIAN PERIDINIACEANS. AMERICAN ASSOCIATION OF STRATIGRAPHIC PALYNOLOGISTS CONTRIBUTION SERIES 7. 46P. (BIO CONTRIBUTION NO. 974).

THREE DIAGNOSTIC PERIDINIACEAN ASSEMBLAGES, EACH WITH ITS OWN CHARACTERISTIC SPECIES, SEEM TO REFLECT REGIONAL DIFFERENTIATION RATHER THAN LOCAL PALEOECOLOGICAL CONTROL IN CAMPANIAN SEDIMENTS. THESE ASSEMBLAGES HAVE BEEN RESPECTIVELY NAMED THE MALLOY SUITE, THE MCINTYRE SUITE, AND THE WILLIAMS SUITE. THE MALLOY SUITE IS RESTRICTED TO TROPICAL TO SUBTROPICAL PALEOLATITUDES, THE WILLIAMS SUITE IS A WARM TEMPERATE ASSEMBLAGE, WHILE THE MCINTYRE SUITE IS INTERPRETED AS A BOREAL ASSEMBLAGE.

1225

LENTIN, J.K., WILLIAMS, G.L. 1981. FOSSIL DINOFLAGELLATES: INDEX TO GENERA AND SPECIES, 1981 EDITION. BEDFORD INSTITUTE OF OCEANOGRAPHY REPORT SERIES BI-R-81-12. 345P.

AN ALPHABETICAL LISTING OF ALL VALIDLY PUBLISHED DINOFLAGELLATE GENERA AND SPECIES TOGETHER WITH AUTHOR CITATION AND AGE.

1226

LENTIN, J.K., WILLIAMS, G.L. 1985. FOSSIL DINOFLAGELLATES: INDEX TO GENERA AND SPECIES, 1985 EDITION. CANADIAN TECHNICAL REPORT OF HYDROGRAPHY AND OCEAN SCIENCES 60. 451P.

THE PAPER LISTS ALL VALIDLY PUBLISHED FOSSIL DINOFLAGELLATE GENERA AND SPECIES, SUBSPECIES WHERE APPROPRIATE, ALL PREVIOUSLY KNOWN GENERIC ASSIGNMENTS OF INCLUDED SPECIES, AND THE AGE OF TYPE MATERIAL.

1227

LENTIN, J.K., WILLIAMS, G.L. 1987. STATUS OF THE FOSSIL DINOFLAGELLATE GENERA CERATIOPSIS VOZZHENNIKOVA 1963 AND CERODINIUM VOZZHENNIKOVA 1963 EMEND. PALYNOLOGY 11: 113-116. (GEOLOGICAL SURVEY OF CANADA CONTRIBUTION 23387).

THE GENIES CERODINIUM IS REINSTATED FOR SPECIES FORMERLY INCLUDED IN CERATIOPSIS VOZZHENNIKOVA, 1963, WHICH IS A JUNIOR SYNONYM OF CERATIOPSIS DEWILDEMAN, 1896.

1228

LENTIN, J.K., WILLIAMS, G.L., FENSOME, R.A. 1987. SUMATRADINIUM; A STRATIGRAPHICALLY USEFUL DINOFLAGELLATE GENUS FROM THE NEOGENE SEDIMENTS OF OFFSHORE EASTERN CANADA. IN: THE AMERICAN ASSOCIATION OF STRATIGRAPHIC PALYNOLOGISTS (20TH : 1987 : HALIFAX) [PROGRAMME AND ABSTRACTS]. THE AMERICAN ASSOCIATION OF STRATIGRAPHIC PALYNOLOGISTS INC. P.104.

THE SEVERAL SPECIES OF THIS GENUS ALLOW ZONATION OF THE NEOGENE SEDIMENTS OF OFFSHORE EASTERN CANADA.

1229

LEVY, E.M., MACLEAN, B. 1981. NATURAL HYDROCARBON SEEPAGE AT SCOTT INLET AND BUCHAN GULF, BAFFIN ISLAND SHELF: 1980 UPDATE. GEOLOGICAL SURVEY OF CANADA PAPER 81-1A: 401-403.

1230

LEVY, E.M., MACLEAN, B., KNOX, D., CONNOLLY, G. 1987. AN IN SITU SAMPLER FOR THE COLLECTION OF GAS AND WATER-IMMISCIBLE LIQUIDS EMANATING FROM THE SEA FLOOR. IN: INSTRUMENTS AND METHODS. DEEP-SEA RESEARCH 34(12): 2037-2042.

1231

LEWIS, A.G., SYVITSKI, J.P.M. 1983. THE INTERACTION OF PLANKTON AND SUSPENDED SEDIMENT IN FJORDS. IN: SEDIMENTOLOGY OF FJORDS, ED., J.P.M. SYVITSKI AND J.M. SKEI. SEDIMENTARY GEOLOGY 36(2/4): 81-92.

1232

LEWIS, C.F.M. 1968. POSTGLACIAL UPLIFT STUDIES NORTH OF LAKE HURON. GEOLOGICAL SURVEY OF CANADA PAPER 68-1A: 174-176.

1233

LEWIS, C.F.M. 1968. SEDIMENT STUDIES IN LAKE ONTARIO AND LAKE ERIE. GEOLOGICAL SURVEY OF CANADA PAPER 68-1A: 176-177.

1234

LEWIS, C.F.M. 1969. GEOLOGY OF LAKE ERIE. IN: REPORT TO THE INTERNATIONAL JOINT COMMISSION ON THE POLLUTION OF LAKE ERIE, LAKE ONTARIO AND THE INTERNATIONAL SECTION OF THE ST. LAWRENCE RIVER; V.2. LAKE ERIE. [S.L.]: INTERNATIONAL LAKE ERIE POLLUTION BOARD & INTERNATIONAL LAKE ONTARIO-ST LAWRENCE RIVER POLLUTION BOARD. P.4, 6-8.

1235

LEWIS, C.F.M. 1969. GEOLOGY OF LAKE ONTARIO. IN: REPORT TO THE INTERNATIONAL JOINT COMMISSION ON THE POLLUTION OF LAKE ERIE, LAKE ONTARIO AND THE INTERNATIONAL SECTION OF THE ST. LAWRENCE RIVER; V.3. LAKE ONTARIO AND THE INTERNATIONAL SECTION OF THE ST. LAWRENCE RIVER. [S.L.]: INTERNATIONAL LAKE ERIE POLLUTION BOARD & INTERNATIONAL LAKE ONTARIO-ST. LAWRENCE RIVER POLLUTION BOARD. P.4, 6-9.

1236

LEWIS, C.F.M. 1969. LATE QUATERNARY HISTORY OF LAKE LEVELS IN THE HURON AND ERIE BASINS. IN: CONFERENCE ON GREAT LAKES RESEARCH (12TH : 1969 : ANN ARBOR, MI), PROCEEDINGS. ANN ARBOR, MI: INTERNATIONAL ASSOCIATION FOR GREAT LAKES RESEARCH. P.250-270.

1237

LEWIS, C.F.M. 1969. QUATERNARY GEOLOGY OF THE GREAT LAKES. GEOLOGICAL SURVEY OF CANADA PAPER 69-1A: 63-64.

1238

LEWIS, C.F.M. 1969. SEDIMENTOLOGY OF LAKE ERIE. IN: REPORT TO THE INTERNATIONAL JOINT COMMISSION ON THE POLLUTION OF LAKE ERIE, LAKE ONTARIO AND THE INTERNATIONAL SECTION OF THE ST. LAWRENCE RIVER; V.2. LAKE ERIE. [S.L.]: INTERNATIONAL LAKE ERIE POLLUTION BOARD & INTERNATIONAL LAKE ONTARIO-ST LAWRENCE RIVER POLLUTION BOARD. P.52-65.

1239

LEWIS, C.F.M. 1969. SEDIMENTOLOGY OF LAKE ONTARIO. IN: REPORT TO THE

INTERNATIONAL JOINT COMMISSION ON THE POLLUTION OF LAKE ERIE, LAKE ONTARIO AND THE INTERNATIONAL SECTION OF THE ST. LAWRENCE RIVER; V.3. LAKE ONTARIO AND THE INTERNATIONAL SECTION OF THE ST. LAWRENCE RIVER. [S.L.]: INTERNATIONAL LAKE ERIE POLLUTION BOARD & INTERNATIONAL LAKE ONTARIO-ST. LAWRENCE RIVER POLLUTION BOARD. P.48-61.

1240

LEWIS, C.F.M. 1970. RECENT UPLIFT OF MANITOULIN ISLAND, ONTARIO. CANADIAN JOURNAL OF EARTH SCIENCES 7(3): 665-675.

1241

LEWIS, C.F.M. 1971. SUBMERSIBLE TRIALS AND LAKE ONTARIO STUDIES. GEOLOGICAL SURVEY OF CANADA PAPER 71-1A: 170-172.

1242

LEWIS, C.F.M. 1977. SCOURING OF THE BEAUFORT SHELF BY SEA ICE [ABSTRACT]. GEOLOGICAL ASSOCIATION OF CANADA/MINERALOGICAL ASSOCIATION OF CANADA/SOCIETY OF ECONOMIC GEOLOGISTS/CANADIAN GEOPHYSICAL UNION, PROGRAM WITH ABSTRACTS 2: 32.

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LEWIS, C.F.M. 1978. DRIFT ICE SCRATCHES THE SEAFLOOR. GEOS 1978(SUMMER): 18-20.

1244

LEWIS, C.F.M. 1978. THE FREQUENCY AND MAGNITUDE OF DRIFT-ICE GROUNDINGS FROM ICE-SCOUR TRACKS IN THE CANADIAN BEAUFORT SEA. IN: POAC77; INTERNATIONAL CONFERENCE ON PORT AND OCEAN ENGINEERING UNDER ARCTIC CONDITIONS (4TH : 1977 : MEMORIAL UNIVERSITY OF NEWFOUNDLAND, ST. JOHN'S), PROCEEDINGS, ED., D.B. MUGGERIDGE. ST. JOHN'S, NFLD: OCEAN ENGINEERING INFORMATION CENTRE, MEMORIAL UNIVERSITY OF NEWFOUNDLAND. V.1: 568-579.

1245

LEWIS, C.F.M. 1980. NORTH POLE GEOLOGY UNDER THE SEA ICE AT LOREX '79. GEOLOGY 9(1). P. 58-64.

A POPULAR ACCOUNT OF THE MARINE GEOLOGY AND GEOPHYSICS STUDIES OF LOMONOSOV RIDGE, ARCTIC OCEAN CONDUCTED IN APRIL AND MAY 1979.

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LEWIS, C.F.M. 1981?. COASTAL RESEARCH SUPPORTS SHORE MANAGEMENT CONCERNS [POSTER]. IN: PROCEEDINGS OF SHORE MANAGEMENT SYMPOSIUM (1978 : VICTORIA, B.C.). VICTORIA, B.C.: CANADIAN COUNCIL OF RESOURCE AND ENVIRONMENT MINISTERS. P.435-436.

1246.1

LEWIS, C.F.M. 1982. ICE SCOURING AND RELATED PROCESSES. IN: UNDERSTANDING THE ARCTIC SEA FLOOR FOR ENGINEERING PURPOSES. COMMITTEE ON ARCTIC SEAFLOOR ENGINEERING, U.S. NATIONAL RESEARCH COUNCIL.

1247

LEWIS, C.F.M. 1986. DYNAMICS OF ICEBERG GROUNDING AND SCOURING (DIGS) EXPERIMENT. IN: ICE SCOUR AND SEABED ENGINEERING : PROCEEDINGS OF A WORKSHOP ON ICE SCOUR RESEARCH, ED., C.F.M. LEWIS [ET AL.]. OTTAWA: ENVIRONMENTAL STUDIES REVOLVING FUNDS. P.129-131. (ENVIRONMENTAL STUDIES REVOLVING FUNDS REPORT NO. 049).

1248

LEWIS, C.F.M., ANDERSON, T.W. 1972. QUATERNARY GEOLOGY OF THE GREAT LAKES. GEOLOGICAL SURVEY OF CANADA PAPER 72-1A: 167.

1249

LEWIS, C.F.M., ANDERSON, T.W. 1984. EARLY HOLOCENE LAKE LEVELS IN THE HURON BASIN: COMPARATIVE UPLIFT HISTORIES OF BASINS AND SILLS IN A REBOUNDED GLACIAL MARGINAL DEPRESSION [ABSTRACT]. GEOLOGICAL ASSOCIATION OF CANADA/MINERALOGICAL ASSOCIATION OF CANADA PROGRAM WITH ABSTRACTS 9: 84.

1250

LEWIS, C.F.M., ANDERSON, T.W. 1985. POSTGLACIAL LAKE LEVELS IN THE HURON BASIN: COMPARATIVE UPLIFT HISTORIES OF BASINS AND SILLS IN A REBOUNDED GLACIAL MARGIN DEPRESSION [ABSTRACT]. IN: QUATERNARY EVOLUTION OF THE GREAT LAKES, EDS., P.F. KARROW AND P.E. CALKIN. OTTAWA: GEOLOGICAL ASSOCIATION OF CANADA. P.147-148. (GEOLOGICAL ASSOCIATION OF CANADA SPECIAL PAPER 30).

AN EXPONENTIAL UPLIFT HISTORY FUNCTION IS FORMULATED AND USED TO COMPUTE AND TO COMPARE ELEVATION VS TIME CURVES FOR ALL POSSIBLE DRAINAGE CONTROL SILLS. THE DEDUCED LAKE LEVEL HISTORY AGREES WITH 14C DATINGS AND INDICATES POSTGLACIAL LAKES RANGED FROM LOWEST LEVEL STANLEY (10.2 KA B.P.) 50 M ASL) TO HIGHEST LEVEL NIPISSING GREAT LAKES (4.7 KA B.P., 18.4 M ASL).

1251

LEWIS, C.F.M., ANDERSON, T.W. 1987. EARLY HOLOCENE OSCILLATION OF LAURENTIAN GREAT LAKES LEVELS [ABSTRACT]. IN: INTERNATIONAL UNION FOR QUATERNARY RESEARCH INTERNATIONAL CONGRESS (12 : 1987 : OTTAWA) PROGRAMME AND ABSTRACT. OTTAWA : NATIONAL RESEARCH COUNCIL OF CANADA. P.210.

ANOMALOUS VARIATIONS IN THE TIMING OF ORGANIC SEDIMENTATION IN SMALL LAKE BASINS WITHIN THE GREAT LAKES AREA AND RESULTS OF PALEOHYDRAULIC INVESTIGATION OF OUTLET CHANNELS ARE INTERPRETED AS EFFECTS OF A 10-M INCREASE IN LAKE LEVEL ARISING FROM DIVERSION OF GLACIAL LAKE AGASSIZ DRAINAGE TO THE GREAT LAKE FROM 9.5 TO 8.5 KA BP.

1252

LEWIS, C.F.M., ANDERSON, T.W., BERTI, A.A. 1966. GEOLOGICAL AND PALYNOLOGICAL STUDIES OF EARLY LAKE ERIE DEPOSITS. IN: CONFERENCE ON GREAT LAKES RESEARCH (9TH : 1966 : CHICAGO, IL), PROCEEDINGS. ANN ARBOR, MI: UNIVERSITY OF MICHIGAN INSTITUTE OF SCIENCE AND TECHNOLOGY. P.176-191. (GREAT LAKES RESEARCH DIVISION, PUBLICATION 15).

1253

LEWIS, C.F.M., BARRIE, J.V. 1981. ICE SCOUR STUDIES ON THE LABRADOR SHELF [ABSTRACT]. IN: WORKSHOP ON RESEARCH IN THE LABRADOR COASTAL AND OFFSHORE REGION (1980 : GOOSE BAY, LABRADOR), PROCEEDINGS. ST. JOHN'S: MEMORIAL UNIVERSITY. P.264-265.

SUMMARIZES THREE TYPES OF ONGOING STUDIES DESIGNED TO CLARIFY THE NATURE OF THE ICE SCOURING PROCESS - REGIONAL DISTRIBUTION OF ICE SCOUR FEATURES, SITE INVESTIGATIONS AND TIME SERIES MAPPING, MODERN ICEBERG GROUNDING DYNAMICS.

1254

LEWIS, C.F.M., BARRIE, J.V. 1982?. GEOLOGICAL EVIDENCE OF ICEBERG GROUNDINGS AND RELATED SEAFLOOR PROCESSES IN THE HIBERNIA DISCOVERY AREA OF GRAND BANK, NEWFOUNDLAND. IN: PROCEEDINGS OF THE SYMPOSIUM PRODUCTION AND TRANSPORTATION SYSTEMS FOR THE HIBERNIA DISCOVERY (1981 : ST. JOHN'S, NEWFOUNDLAND), ED., W.E. RUSSELL AND D.B. MUGGERIDGE. ST. JOHN'S: NEWFOUNDLAND PETROLEUM DIRECTORATE. P.146-177.

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LEWIS, C.F.M., BARRIE, J.V., FADER, G.B., KING, L.H., AMOS, C.L. 1982. ICEBERG SCOURING AND SEDIMENT DYNAMICS: SEABED PROCESSES IN THE HIBERNIA AREA, GRAND BANKS OF NEWFOUNDLAND [ABSTRACT]. MARITIME SEDIMENTS AND ATLANTIC GEOLOGY 18(1): 54-55.

1256

LEWIS, C.F.M., BLASCO, S.M., BORNHOLD, B.D., HUNTER, J.A.M., JUDGE, A.S., KERR, J.W., MCLAREN, P., PELLETIER, B.R. 1977. MARINE GEOLOGICAL AND GEOPHYSICAL ACTIVITIES IN LANCASTER SOUND AND ADJACENT FIORDS. GEOLOGICAL SURVEY OF CANADA PAPER 77-1A: 495-506.

1257

LEWIS, C.F.M., BLASCO, S.M., FALCONER, R.K.H., MARTIN, G. 1977. RECONNAISSANCE OF ICEBERG SCOUR ON THE SHELVES OF LABRADOR SEA AND BAFFIN BAY [ABSTRACT]. GEOLOGICAL ASSOCIATION OF CANADA/MINERALOGICAL ASSOCIATION OF CANADA/SOCIETY OF ECONOMIC GEOLOGISTS/CANADIAN GEOPHYSICAL UNION, PROGRAM WITH ABSTRACTS 2: 32.

1258

LEWIS, C.F.M., BLASCO, S.M., MCLAREN, P., PELLETIER, B.R. 1976. ICE SCOUR ON THE CANADIAN BEAUFORT SEA CONTINENTAL SHELF [ABSTRACT]. GEOLOGICAL ASSOCIATION OF CANADA PROGRAM WITH ABSTRACTS 1: 83.

1259

LEWIS, C.F.M., BLASCO, S.M., PELLETIER, B.R., SPARKES, R. 1982. DRIFT ICE SCOURING ON THE CANADIAN BEAUFORT SHELF; RELATIONS AMONG MORPHOLOGY, SEDIMENTS AND ENVIRONMENT [ABSTRACT]. IN: INTERNATIONAL CONGRESS ON SEDIMENTOLOGY (11TH : 1982 : MCMASTER UNIVERSITY, HAMILTON, ONT.), ABSTRACTS OF PAPERS. HAMILTON: MCMASTER UNIVERSITY, DEPT. OF GEOLOGY. P.92.

1260

LEWIS, C.F.M., CAMERON, G.D.M., BARNETT, P.J., ANDERSON, T.W. 1986. ONSHORE-OFFSHORE CORRELATION OF LATE WISCONSINAN STRATA, CENTRAL LAKE ERIE, AND IMPLICATIONS FOR REGIONAL GEOLOGY [ABSTRACT]. GEOLOGICAL ASSOCIATION OF CANADA/MINERALOGICAL ASSOCIATION OF CANADA/CANADIAN GEOPHYSICAL UNION, PROGRAM WITH ABSTRACTS 11: 95.

OFFSHORE SEDIMENTARY UNITS DEFINED ON ACOUSTIC PROFILES ARE CORRELATED DIRECTLY WITH GLACIAL STRATA ONSHORE COMPRISING PORT STANLEY TILL, WENTWORTH TILL AND GLACIOLACUSTRINE SEDIMENTS. AN ELEVATED LAKE STAGE CORRELATIVE WITH AND SUPPLIED BY GLACIAL LAKE ALGONQUIN, IS IMPLIED IN THE ERIE BASIN.

1261

LEWIS, C.F.M., FADER, G.B. 1985. SUBMERSIBLE OBSERVATIONS OF ICEBERG FURROWS IN GLACIAL TILL, NORTHEAST NEWFOUNDLAND SHELF: AND IN SAND AND GRAVEL, GRAND BANKS OF NEWFOUNDLAND [ABSTRACT]. IN: WORKSHOP ON ICE SCOURING (1982 : MONTEBELLO, PQ), ED., R. PILKINGTON. OTTAWA: NATIONAL RESEARCH COUNCIL OF CANADA. P.101. (NATIONAL RESEARCH COUNCIL (CANADA). ASSOCIATE COMMITTEE ON GEOTECHNICAL RESEARCH. TECHNICAL MEMORANDUM NO.136).

1262

LEWIS, C.F.M., FADER, G.B.J., JOSEHANS, H.W., MACLEAN, B., PIPER, D.J.W., PRAEG, D.B., WOODSWORTH-LYNAS, C.M.T. 1987. PHASES OF ICEBERG SCOURING ON THE EASTERN CANADIAN CONTINENTAL MARGIN. IN: INTERNATIONAL UNION OF QUATERNARY RESEARCH, 12TH INTERNATIONAL CONGRESS (12TH : 1987 : OTTAWA) [INQUA '87][PROGRAMME AND ABSTRACTS]. OTTAWA: NATIONAL RESEARCH COUNCIL OF CANADA. P.210.

A HOLOCENE ICEBERG SCOUR POPULATION THAT OCCURS ON THE SEA BED TO ABOUT 200M WATER DEPTH IS CONTRASTED WITH OLDER SCOUR POPULATION(S) THAT OCCUR TO WATER DEPTHS OF 500-700M. IT IS SUGGESTED THAT ICEBERG SCOURING APPEARS TO CONSTITUTE AN ELEMENT OF THE GLACIATION CYCLE AT THE CONTINENTAL MARGIN MORE WIDESPREAD THAN PREVIOUSLY KNOWN.

1263

LEWIS, C.F.M., HORSMAN, J.R., ROSS, D.I. 1974. GEOLOGICAL, GEOPHYSICAL AND HYDROGRAPHIC STUDIES IN LANCASTER SOUND AND MAXWELL BAY, DISTRICT OF FRANKLIN. GEOLOGICAL SURVEY OF CANADA PAPER 74-1A: 251-252.

1264

LEWIS, C.F.M., JASKULA, L.A. 1971. UPLIFT STUDIES OF THE LAKE HURON BASIN. GEOLOGICAL SURVEY OF CANADA PAPER 71-1A: 172.

1265

LEWIS, C.F.M., JOSEHANS, H.W., FADER, G.B., MACLEAN, B., D'APOLLONIA, S. 1982. THE DISTRIBUTION AND SHAPE VARIABILITY OF ICEBERG SCOUR MARKS ON EASTERN CANADIAN CONTINENTAL SHELVES [ABSTRACT]. IN: JOINT OCEANOGRAPHIC ASSEMBLY (1982 : HALIFAX, N.S.), POSTER ABSTRACTS. HALIFAX: THE CONFERENCE. V.2: 40.

1266

LEWIS, C.F.M., MACLEAN, B., FALCONER, R.K.H. 1980. ICEBERG SCOUR ABUNDANCE IN LABRADOR SEA AND BAFFIN BAY; A RECONNAISSANCE OF REGIONAL VARIABILITY. IN: PROCEEDINGS, CANADIAN CONFERENCE ON MARINE GEOTECHNICAL ENGINEERING (1ST : 1979 : CALGARY), ED., W.J. EDEN. MONTREAL: CANADIAN GEOTECHNICAL SOCIETY. P.79-94. (BIO CONTRIBUTION NO. 946).

1267

LEWIS, C.F.M., MACPHERSON, J.B., SCOTT, D.B. 1987. EARLY SEA LEVEL TRANSGRESSION, EASTERN NEWFOUNDLAND [ABSTRACT]. IN: INTERNATIONAL UNION FOR QUATERNARY RESEARCH INTERNATIONAL CONGRESS (12TH : 1987 : OTTAWA) PROGRAMME AND ABSTRACTS. OTTAWA : NATIONAL RESEARCH COUNCIL OF CANADA. P.210.

FROM A LOW STAND OF ABOUT 90M, INDICATED BY EROSION FEATURES AND SAND DEPOSITS IN AVALON CHANNEL, RELATIVE SEA LEVEL TRANSGRESSED THE ROCKSILL (-14M) OF ST JOHN'S HARBOUR ABOUT 10 KA BP, INDICATED BY C14 DATING AND LITHOLOGICAL AND PALEONTOLOGICAL EVIDENCE OF A MARINE-FRESHWATER TRANSITION 4.2M BELOW THE HARBOUR BOTTOM SEDIMENTS. PREDICTIONS BY QUINLAN AND BEAUMONT, 1982, DIFFER BY 4 KA.

1268

LEWIS, C.F.M., MCNEELY, R.N. 1967. SURVEY OF LAKE ONTARIO BOTTOM DEPOSITS. IN: CONFERENCE ON GREAT LAKES RESEARCH (10TH : 1967 : TORONTO, ONT), PROCEEDINGS. ANN ARBOR, MI: INTERNATIONAL ASSOCIATION FOR GREAT LAKES RESEARCH. P.133-142.

1269

LEWIS, C.F.M., PARROTT, D.R. 1987. ICEBERG SCOURING RATE STUDIES, GRAND BANKS OF NEWFOUNDLAND. GEOLOGICAL SURVEY OF CANADA PAPER 87-1A: 825-833.

ICEBERGS FROM GREENLAND AND EASTERN ARCTIC CANADA PRESENTLY DRIFT INTO THE GRAND BANKS OF NEWFOUNDLAND AT AN AVERAGE RATE OF 400 PER YEAR. THE SCOURING RATES ARE BEING INVESTIGATED BY VARIOUS MEANS INCLUDING SINGLE LINE REPETITIVE SURVEYS.

1269.1

LEWIS, C.F.M., PARROTT, D.R., DURLING, P. 1987. SHALLOW TERTIARY SEISMOSTRATIGRAPHY AND ENGINEERING GEOLOGY OF THE NORTHEASTERN GRAND BANKS OF NEWFOUNDLAND. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1437. 24 P.

1270

LEWIS, C.F.M., PARROTT, D.R., LEVER, J.H., DIEMAND, D., DYKE, M., CARTER, W.J., STIRBYS, A.F. 1985. DIGS-85: DYNAMICS OF ICEBERG GROUNDING AND SCOURING: ICEBERG AND SEABED MAPPING OBSERVATIONS [ABSTRACT]. IN: ARCTIC LAND-SEA INTERACTION; ARCTIC WORKSHOP (14TH : 1985 : BEDFORD INSTITUTE OF OCEANOGRAPHY, DARIMOUTH, N.S.), [COMP., G.M. VILKS AND J.P.M. SYVITSKI. DARIMOUTH, N.S.: THE WORKSHOP]. P.93. (GEOLOGICAL SURVEY OF CANADA OPEN FILE 1223).

1271

LEWIS, C.F.M., PARROTT, D.R., SIMPKIN, P.G., BUCKLEY, J.T. ((EDS.)) 1986. ICE

SCOUR AND SEABED ENGINEERING : PROCEEDINGS OF A WORKSHOP ON ICE SCOUR RESEARCH. OTTAWA: ENVIRONMENTAL STUDIES REVOLVING FUNDS. 322 P. (ENVIRONMENTAL STUDIES REVOLVING FUNDS REPORT NO. 049).

1272

LEWIS, C.F.M., SANFORD, B.V. 1972. MARINE ACTIVITIES IN HUDSON BAY, 1971. GEOLOGICAL SURVEY OF CANADA PAPER 72-1A: 167.

1273

LEWIS, C.F.M., SLY, P.G. 1971. SEISMIC PROFILING AND GEOLOGY OF THE TORONTO WATERFRONT AREA OF LAKE ONTARIO. IN: CONFERENCE ON GREAT LAKES RESEARCH (14TH : 1971 : TORONTO, ONT.), PROCEEDINGS. ANN ARBOR, MI: INTERNATIONAL ASSOCIATION FOR GREAT LAKES RESEARCH. P.303-354.

1274

LEWIS, C.F.M., WOOTTON, A.E., DAVIS, J.P. 1973. STRATIGRAPHIC AND ENGINEERING STUDIES OF UNCONSOLIDATED SEDIMENTS IN CENTRAL LAKE ERIE NEAR ERIEAU, ONTARIO. GEOLOGICAL SURVEY OF CANADA PAPER 73-1A: 205-210.

1275

LEWIS, M., ROSS, D. 1974. BEDROCK AND UNCONSOLIDATED SEDIMENT MAPS AT A SCALE OF 1:100, 000 OF THE PORTION OF THE LANCASTER SOUND BETWEEN 86 DEGREES 15' WEST AND 90 DEGREES 0' WEST. GEOLOGICAL SURVEY OF CANADA OPEN FILE 204. 7P. + 4 CHARTS.

1276

LIVINGSTONE, D.B., FALCONER, R.K.H. 1980. SKYWAVE LORAN-C NAVIGATION AT SEA IN THE EASTERN ARCTIC. IN: PROCEEDINGS OF THE ANNUAL CANADIAN HYDROGRAPHIC CONFERENCE (19TH : 1980 : HALIFAX). LIGHTHOUSE SPECIAL EDITION: 38-51.

OBSERVATIONS OF SKYWAVE LORAN-C IN THE EASTERN ARCTIC SHOW THAT WHEN USED IN CONJUNCTION WITH SATELLITE NAVIGATION, SKYWAVE RANGE-RANGE LORAN-C CAN BE USED FOR NAVIGATION THROUGHOUT BAFFIN BAY AND THE NORTHERN LABRADOR SEA.

1277

LLOYD, P.F., BELL, J.S. 1985. STRESS REFRACTION BY BASEMENT HIGHS- EXAMPLE FROM WESTERN CANADA [ABSTRACT]. IN: GEOPHYSICS; "THE FACTS OF THE EARTH"; C.S.E.G./C.G.U. NATIONAL CONVENTION, [ABSTRACTS] (1985 : CALGARY). [CALGARY: THE CONVENTION]. P.46.

FINITE ELEMENT MODELLING SHOWS THAT OBSERVED STRESS TRAJECTORY DEFLECTIONS OVER THE PEACE RIVER HIGH CAN BE ACCOUNTED FOR BY LATERALLY CONTRASTING ELASTIC PROPERTIES OF BASEMENT AND COVER ROCKS AND THEIR STRUCTURAL CONFIGURATION.

1278

LONCAREVIC, B.D. 1961. GRAVITY, MEASUREMENT OF, AT SEA. IN: ENCYCLOPAEDIC DICTIONARY OF PHYSICS, ED., J. THEWLIS. NEW YORK: PERGAMON. V.3: 513-515.

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LONCAREVIC, B.D. 1963. ACCURACY OF SEA GRAVITY SURVEYS. NATURE 198(4875): 23-24.
- 1281
LONCAREVIC, B.D. 1964. GEOPHYSICAL STUDIES IN THE INDIAN OCEAN. ENDEAVOUR 23(88): 43-47.
- 1282
LONCAREVIC, B.D. 1965. ACCURACY OF SEA GRAVITY SURVEYS: COMPARISONS OF SHIPBOARD AND SUBMARINE GRAVITY VALUES. NATURE 205(4966): 32-34.
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LONCAREVIC, B.D. 1967. GRAVITY MEASUREMENTS AT SEA, TECHNIQUES OF. IN: INTERNATIONAL DICTIONARY OF GEOPHYSICS, ED., S.K. RUNCORN ET AL. NEW YORK: PERGAMON. V.1: 694-700.
- 1284
LONCAREVIC, B.D. 1969. BUOY PLOT AS A SURVEY AID: A DATA ACQUISITION APPLICATION. IN: TRANSACTIONS OF THE APPLICATIONS OF SEA GOING COMPUTERS SYMPOSIUM (1969 : LA JOLLA, CA), ED., J.D. MUDIE, C.B. JACKSON. WASHINGTON, D.C.: MARINE TECHNOLOGY SOCIETY. P.27-33.
- 1285
LONCAREVIC, B.D. 1971. MARINE GEOLOGY IS REALLY GEOPHYSICS. IN: GEOLOGY OF THE '70S', OCEAN DECADE; ANNUAL CCUGC CONFERENCE PROCEEDINGS (2ND: 1970: KINGSTON, ONT). KINGSTON: CENTRAL COMMITTEE OF THE CENTRAL CANADA UNIVERSITY GEOLOGICAL CONFERENCE 1970. P.28-32.
- 1286
LONCAREVIC, B.D. 1972. DEEP SEA'S POTENTIAL MINERAL RESOURCES CANNOT BE IGNORED. NORTHERN MINER NOV.30TH: 31 FF.
- 1287
LONCAREVIC, B.D. 1974. THE SEA, VOL.4. NEW CONCEPTS OF SEA FLOOR EVOLUTION. PART 1, GENERAL OBSERVATIONS, ED. A.E. MAXWELL [BOOK REVIEW]. I.C.E.S. JOURNAL DU CONSEIL 35(2): 217-220.
- 1288
LONCAREVIC, B.D. 1974. GEODYNAMICS OF ICELAND AND THE NORTH ATLANTIC AREA. GEOSCIENCE CANADA 1(4): 42-44.

THE WEALTH OF OBSERVATIONAL EVIDENCE MAKES IT NOW POSSIBLE TO STUDY GEODYNAMIC PROCESSES AT THE ACCRETION EDGES OF LITHOSPHERIC PLATES IN GREAT DETAIL.

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LONCAREVIC, B.D. 1974. LAUNCHING OF THE CANADIAN GEOPHYSICAL UNION.
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1290

LONCAREVIC, B.D. 1975?. HISTORICAL ORIGIN OF COOPERATION BETWEEN HYDROGRAPHY
 AND OCEANOGRAPHY. IN: ANNUAL CANADIAN HYDROGRAPHIC CONFERENCE (14TH :
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 SERVICE. P.15-20.

1291

LONCAREVIC, B.D. 1975. MINERAL RESOURCES FROM THE DEEP OCEAN - H.M.S.
 CHALLENGER THEN AND NOW. IN: 100 YEARS OF OCEANOGRAPHY, ED., E.L. MILLS.
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AFTER 100 YEARS OF SPECULATION AND DREAMING, THESE RESOURCES ARE NOW
 APPROACHING THE EXPLOITATION STAGE.

1292

LONCAREVIC, B. 1976. BRIEF REVIEW OF EXPLORATION OF THE MID-ATLANTIC RIDGE
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1293

LONCAREVIC, B.D. 1976. MODERN HYDROGRAPHY AS SEEN BY A GEOSCIENTIST.
 LIGHTHOUSE 13: 6-7.

1294

LONCAREVIC, B.D. 1977. PROJECT MAREX: DETAILED EXPLORATION OF THE MID-ATLANTIC
 RIDGE. BEDFORD INSTITUTE OF OCEANOGRAPHY BIENNIAL REVIEW 1975/1976:
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1295

LONCAREVIC, B.D. 1982. FIRST EVALUATION OF NEW DIGITAL SEA GRAVIMETER (KSS30).
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1296

LONCAREVIC, B.D. 1983. OCEAN BOTTOM SEISMOMETRY. IN: CRC HANDBOOK OF
 GEOPHYSICAL EXPLORATION AT SEA. BOCA RATON, FL: CRC PRESS INC.
 P.219-263.

1297

LONCAREVIC, B.D. 1986. COMPUTER INTEGRATED GEODATA ACQUISITION AND LOGGING
 [ABSTRACT]. IN: WORKING SYMPOSIUM ON OCEANOGRAPHIC DATA SYSTEMS;
 PROCEEDINGS 1986, ED., D. STEIGER. LOS ANGELES, CA: IEEE COMPUTER SOCIETY
 PRESS. P.155.

DESCRIPTION OF DESIGN PHILOSOPHY OF CIGAL.

1298

LONCAREVIC, B.D., COLDWELL, E. 1987. COMPUTER BASED SHIPBOARD DATA ACQUISITION AND LOGGING (PROJECT CIGAL). PROCEEDINGS, THE OCEANS - AN INTERNATIONAL WORKPLACE 3: 1119-1124. (GEOLOGICAL SURVEY OF CANADA CONTRIBUTION 21887).

A DATA ACQUISITION AND LOGGING SYSTEM WAS BUILT USING A MICROCOMPUTER (HP9820). THE SYSTEM HAS A FLEXIBLE I/O THROUGH WHICH A NUMBER OF DEVICES HAVE BEEN INTERFACED. A FLEXIBLE, SELF-DOCUMENTING FILE FORMAT IS A SPECIAL FEATURE OF THE SYSTEM. A BUBBLE MEMORY IS USED FOR INTERIM DATA STORAGE AND A TAPE CARTRIDGE FOR PERMANENT DATA BACK-UP.

1299

LONCAREVIC, B.D., COLDWELL, E.C., MCKENNA, R.A., HACKETT, D. 1986. MINAV: MINI-RANGER III POSITION LOGGING SYSTEM: INSTALLATION AND OPERATING GUIDE. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1338: 64P.

MINAV IS A SOFTWARE PACKAGE WRITTEN IN THE COMPAQ MICROCOMPUTER IN TURBO-PASCAL. IT IS USED TO CALCULATE A GEOGRAPHIC POSITION FROM UP TO FOUR RANGES FROM KNOWN MINI-RANGER STATIONS. THE POSITIONS ARE DISPLAYED ON THE COMPAQ'S SCREEN AND LOGGED TO ITS DISC. A PLOT OF THE SHIP'S TRACK IS ALSO AVAILABLE.

1300

LONCAREVIC, B.D., EWING, G.N. 1967. GEOPHYSICAL STUDY OF THE ORPHEUS GRAVITY ANOMALY. IN: WORLD PETROLEUM CONGRESS (7TH : 1967 : MEXICO CITY), PROCEEDINGS; V.2, ORIGIN OF OIL, GEOLOGY AND GEOPHYSICS. NEW YORK: ELSEVIER. P.827-835.

1301

LONCAREVIC, B.D., FORD, W.L., MCMULLEN, R.M. 1969. ATLANTIC OCEANOGRAPHIC LABORATORY, BEDFORD INSTITUTE: THE FIRST SIX YEARS. POLAR RECORD 14(93): 807-813. (BIO CONTRIBUTION NO. 155).

1302

LONCAREVIC, B.D., HUGHES, M.D., HIMMLER, I. 1986. EVALUATION OF SEA GRAVIMETERS: COMPARISON OF BODENSEEWERK KSS30 AND KSS31 SYSTEMS. GEOLOGICAL SURVEY OF CANADA PAPER 86-1B: 85-96.

THE KSS31 SYSTEM SHOWS AN IMPROVEMENT IN PERFORMANCE BY A FACTOR OF 2 OVER THE OLDER KSS30 SYSTEM. STANDARD DEVIATION ON 20 CROSS-OVERS IS 0.298MBOL WITH THE NEW SYSTEM AND 0.535MBOL WITH THE OLDER.

1303

LONCAREVIC, B.D. 1986. FOUR YEARS EXPERIENCE WITH KSS30 SEAGRAVIMETER [ABSTRACT]. EOS; TRANSACTIONS, AMERICAN GEOPHYSICAL UNION 67(16): 261.

REVIEW OF AGC EXPERIENCE ON 12 CRUISES ON SIX DIFFERENT SHIPS.

1304

LONCAREVIC, B.D., MANCHESTER, K.S. 1968. BOTTOM TOPOGRAPHY OF NORTHWEST

ATLANTIC. IN: ENVIRONMENTAL SURVEYS - NORWESTLANT 1-3, 1963. INTERNATIONAL COMMISSION FOR THE NORTHWEST ATLANTIC FISHERIES SPECIAL PUBLICATION 7(Pt.1): 11-18.

1305

LONCAREVIC, B.D., MASON, C.S., MATTHEWS, D.H. 1966. MID-ATLANTIC RIDGE NEAR 45 DEGREES NORTH; I. THE MEDIAN VALLEY. CANADIAN JOURNAL OF EARTH SCIENCES 3(3): 327-349. (BIO CONTRIBUTION NO. 56).

1306

LONCAREVIC, B.D., PARKER, R.L. 1971. THE MID-ATLANTIC RIDGE NEAR 45 DEGREES N.; XVII. MAGNETIC ANOMALIES AND OCEAN FLOOR SPREADING. CANADIAN JOURNAL OF EARTH SCIENCES 8(8): 883-898. (BIO CONTRIBUTION NO. 240).

1307

LONCAREVIC, B.D., ROSS, D.I., MANCHESTER, K.S., WOODSIDE, J., AUMENTO, F. 1969. THE MID-ATLANTIC RIDGE NEAR 45 N [ABSTRACT]. EOS; TRANSACTIONS, AMERICAN GEOPHYSICAL UNION 50(4): 212.

1308

LONCAREVIC, B.D., WOODSIDE, J.M. 1984. COASTAL GEOPHYSICS: GRAVITY MEASUREMENTS IN MAHONE BAY, N.S. WITH A SHIPBORNE SEAGRAVIMETER [ABSTRACT]. IN: JOINT PROGRAMME WITH ABSTRACTS; ANNUAL CONGRESS, CANADIAN METEOROLOGICAL AND OCEANOGRAPHIC SOCIETY (18TH : 1984 : HALIFAX, N.S.) [AND] ANNUAL MEETING, CANADIAN GEOPHYSICAL UNION (11TH : 1984 : HALIFAX, N.S.) = PROGRAMME CONJOINT AVEC RESUMES; CONGRES ANNUEL, SOCIETE CANADIENNE DE METEOROLOGIE ET D'OCEANOGRAPHIE (18E : 1984 : HALIFAX, N.-E.) [ET] REUNION ANNUELLE, L'UNION CANADIENNE DE GEOPHYSIQUE (11E : 1984 : HALIFAX, N.-E.), ED., E.J. TRUHLAR. HALIFAX: THE CONFERENCE. P.120.

GRAVITY MEASUREMENTS IN A COASTAL ZONE (WITHIN A FEW KILOMETERS OFFSHORE) ARE POSSIBLE WITH A KSS30 SEAGRAVIMETER WITH AN RMS ACCURACY OF BETTER THAN 1.5 VOL.

1309

LONG, B.F.N. 1977. DETERMINATION OF SEDIMENT TRANSPORT RATE IN THE MINAS BASIN, NOVA SCOTIA: PRELIMINARY RESULTS OF THE FIRST TRACER EXPERIMENT USING RADIOISOTOPES. GEOLOGICAL SURVEY OF CANADA PAPER 77-1B: 85-92.

A RADIOACTIVE TRACER EXPERIMENT, TO MEASURE SAND TRANSPORT IN THE INTERTIDAL ZONE ON THE NORTH SHORE OF THE MINAS BASIN, WAS CONDUCTED IN THE FALL OF 1976. THE RESULTS OF THE EXPERIMENT SHOW A GENERAL MOVEMENT BY THE FLOOD CURRENT TO THE EAST: A SMALL MOVEMENT BY THE EBB CURRENT IN THE OPPOSITE DIRECTION AND A FLOW OF BEDLOAD SEDIMENT OF 9 M PER LINEAR METRE PER DAY.

1310

LONG, B.F. 1978. SEDIMENT TRANSPORT IN THE INTERTIDAL AREA OF THE MINAS BASIN, NOVA SCOTIA, CORRELATIONS BETWEEN BEDLOAD MOVEMENT AND HYDROGRAPHIC FACTORS [ABSTRACT]. MARITIME SEDIMENTS 14(1): 37-38.

1311

LONG, B.F.N. 1979. THE NATURE OF BOTTOM SEDIMENTS IN THE MINAS BASIN SYSTEM, BAY OF FUNDY. BEDFORD INSTITUTE OF OCEANOGRAPHY DATA SERIES BI-D-79-4. 101P.

THE NATURE OF BOTTOM SEDIMENTS IN THE MINAS BASIN SYSTEM, BAY OF FUNDY, ARE DESCRIBED.

1312

LONG, B.F., BELANGER, J.R. 1978. BEDFORM MOVEMENT STUDIES BY REMOTE SENSING BALLOON TECHNIQUE IN MINAS BASIN, BAY OF FUNDY. GEOLOGICAL SURVEY OF CANADA PAPER 78-1A: 503-508.

THIS PAPER PRESENTS A METHOD OF USING A REMOTE SENSING BALLOON TECHNIQUE FOR STUDIES OF BEDFORM MOVEMENT IN A MACROTIDAL ENVIRONMENT. THE RATE OF BEDFORM MOVEMENT IS DETERMINED BY DAILY AIRPHOTO COVERAGE OF A SAND BAR.

1313

LONG, B.F., VANDERMEULEN, J.H., BUCKLEY, D.E. 1981. LES PROCESSUS DE LA MIGRATION DU PETROLE ECHOUE DANS LES ESTRANS SABLEUX: CONTAMINATION DES NAPPES PHREATIQUES. IN: AMOCO CADIZ, CONSEQUENCES D'UNE POLLUTION ACCIDENTELLE PAR LES HYDROCARBURES; ACTES DU COLLOQUE INTERNATIONAL CENTRE OCEANOLOGIQUE DE BRETAGNE. PARIS: CENTRE NATIONAL POUR L'EXPLOITATION DES OCEANS. P.79-94.

STRANDED OIL FROM THE AMOCO CADIZ SPILL ON THE BEACHES OF THE NORTH BRITANNY COAST EVENTUALLY PENETRATES THE SEDIMENTS AND MOVES BOTH VERTICALLY AND HORIZONTALLY AS A FUNCTION OF TIDAL AMPLITUDE BUT IS RESTRICTED FROM DEEP PENETRATION BY THE PRESENCE OF IMPERMEABLE SEDIMENT LAYERS AND THE FRESH WATER TABLE.

1314

LORTIE, G. 1987. DIATOMEES ET EVOLUTION HOLOCENE DU LAC BRAS D'OR, NOUVELLE-ECOSSE: RESULTATS PRELIMINAIRES. GEOLOGICAL SURVEY OF CANADA PAPER 87-1A: 889-896.

DESCRIBES POST-GLACIAL MARINE AND FRESH WATER DIATOM SEQUENCES 1315 M.J. O'CONNOR & ASSOC. 1983. DEVELOPMENT OF A PROPOSED MODEL TO ACCOUNT FOR THE SURFICIAL GEOLOGY OF THE SOUTHERN BEAUFORT SEA. GEOLOGICAL SURVEY OF CANADA OPEN FILE 954. 128P.

1316

M.J. O'CONNOR & ASSOC. 1983. DISTRIBUTION OF SHALLOW PERMAFROST: A REPORT ON THE SOUTHERN BEAUFORT SEA. GEOLOGICAL SURVEY OF CANADA OPEN FILE 953. 72P. + 2 MAPS.

1318

MACINTOSH, M., WILLEY, J.D., COURNEYA, C. 1977. A COMPENDIUM OF THE SAMPLING AND ANALYTICAL TECHNIQUES USED BY THE ENVIRONMENTAL MARINE GEOLOGY SUBDIVISION, ATLANTIC GEOSCIENCE CENTRE, BEDFORD INSTITUTE OF OCEANOGRAPHY, NOVA SCOTIA. GEOLOGICAL SURVEY OF CANADA OPEN FILE 397. 74P.

1319

MACKNIGHT, S.D., SCHAFFER, C.T. 1980. GEOCHEMISTRY AND BENTHIC ECOLOGY AT THE DALHOUSIE, NEW BRUNSWICK OCEAN DUMP SITE. IN: DREDGING: PROGRESS IN EQUIPMENT AND METHODS, PROCEEDINGS OF WODCON IX, WORLD DREDGING CONFERENCE (9TH : 1980 : VANCOUVER, B.C.). LONG BEACH, CALIF: SYMCON. P.761-781.

1320

MACKO, S.A., AKSU, A.E., MUDIE, P.J. 1986. PALEOCLIMATIC HISTORY OF THE NANSEN SOUND AREA, ARCTIC OCEAN [ABSTRACT]. GEOLOGICAL SOCIETY OF AMERICA, ABSTRACTS WITH PROGRAMS 18(6): 678.

1321

MACKO, S.A., PULCHAN, K., IVANY, D.E. 1987. ORGANIC GEOCHEMISTRY OF BAFFIN ISLAND FJORDS. IN: SEDIMENTOLOGY OF ARCTIC FJORDS EXPERIMENT : DATA REPORT (3RD : 1987), SYVITSKI, J.P.M. (COMP), PRAEG, D.B. (COMP). CANADIAN DATA REPORT OF HYDROGRAPHY AND OCEAN SCIENCES NO. 54. 34 P. (GEOLOGICAL SURVEY OF CANADA OPEN FILE REPORT NO. 1589).

1322

MACKO, S.J., SEGALL, M.P., PEREIRA, C.P.G. 1986. GEOCHEMICAL AND MINERALOGICAL STUDIES OF SEABED SAMPLES FROM BYAM MARTIN CHANNEL AND DESBARAT STRAIT AREAS IN THE ARCTIC ARCHIPELAGO. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1315. 52P.

THE CLAY-SIZED FRACTION IS DOMINATED BY CHLORITE AND ILLITE, BUT MONIMORILLONITE IS PREVALENT IN THE NEARSHORE AREAS OFF THE SABINE PENINSULA. STABLE CARBON AND NITROGEN ISOTOPIC ANALYSES INDICATE THREE INDEPENDENT SOURCES OF ORGANIC MATERIAL.

1323

MACLEAN, B. 1978. BEDROCK STUDIES ON THE BAFFIN ISLAND SHELF [ABSTRACT]. IN: EASTERN CANADIAN ARCTIC WORKSHOP (7TH : 1978 : BOULDER, COLO.). BOULDER, COLO.: INSTITUTE OF ARCTIC AND ALPINE RESEARCH. P.1-2.

1324

MACLEAN, B. 1978. MARINE GEOLOGICAL-GEOPHYSICAL INVESTIGATIONS IN 1977 OF THE SCOTT INLET AND CAPE DYER-FROBISHER BAY AREAS OF THE BAFFIN ISLAND CONTINENTAL SHELF. GEOLOGICAL SURVEY OF CANADA PAPER 78-1B: 13-20.

1325

MACLEAN, B. 1982. INVESTIGATIONS OF BAFFIN ISLAND SHELF FROM SURFACE SHIP AND RESEARCH SUBMERSIBLE IN 1981. GEOLOGICAL SURVEY OF CANADA PAPER 82-1A: 445-447.

INVESTIGATIONS FROM SURFACE SHIP PANDORA II AND RESEARCH SUBMERSIBLE PISCES IV WERE UNDERTAKEN ON THE BAFFIN ISLAND SHELF IN 1981. THESE COMPRISED SURFICIAL SEDIMENT SAMPLING AND EXAMINATION OF SCOTT INLET OFFSHORE OIL SEEP AREA, ICEBERG SCOURS, AND BEDROCK OCCURRENCES.

1326

MACLEAN, B. 1984. PROPOSAL FOR AN EASTCOAST OFFSHORE SEDIMENT COREHOLE

SAMPLING PROGRAM. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1014. 4P.

PROPOSAL IS FOR A COREHOLE DRILLING PROGRAM USING A SPECIALIZED CORING VESSEL TO OBTAIN SUBSURFACE SAMPLES AT VARIOUS EAST COAST OFFSHORE LOCALITIES FOR TEXTURAL, GEOTECHNICAL, PALEONTOLOGICAL DATA ON SURFICIAL SEDIMENTS AND BEDROCK.

1327

MACLEAN, B. 1985. GEOLOGY OF THE BAFFIN ISLAND SHELF. IN: QUATERNARY ENVIRONMENTS: EASTERN CANADIAN ARCTIC, BAFFIN BAY AND WESTERN GREENLAND, ED., J.T. ANDREWS. BOSTON: ALLEN & UNWIN. P.154-177.

1327.1

MACLEAN, B. 1987. CRUISE REPORT: CSS HUDSON CRUISE 86-027, EASTERN VISCOUNT MELVILLE SOUND AND BARROW STRAIT AND ADJACENT WATERS. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1501. 55 P. (CRUISE REPORT 86-027).

1328

MACLEAN, B., FADER, G.B., KING, L.H. 1976. SURFICIAL GEOLOGY OF CANSO BANK AND ADJACENT AREAS. GEOLOGICAL SURVEY OF CANADA PAPER 76-15. 11P. (MARINE SCIENCES PAPER 20) THE CHART AND ACCOMPANYING REPORT DELINEATE THE DISTRIBUTION OF SURFICIAL SEDIMENTS WITHIN THE STUDY AREA ON THE NORTH-CENTRAL PART OF THE SCOTIAN SHELF. IT INCLUDES CHEDABUCTO BAY AND THE SOUTHERN PART OF THE STRAIT OF CANSO. THE FIVE SURFICIAL UNITS COMMON TO OTHER PARTS OF THE SHELF OCCUR, WITH SOME LOCAL MODIFICATION, WITHIN THE STUDY AREA.

1329

MACLEAN, B., FALCONER, R.K.H. 1977. BAFFIN ISLAND SHELF - SHALLOW COREHOLE DRILLING, 1976. GEOLOGICAL SURVEY OF CANADA PAPER 77-1B: 125-127.

1330

MACLEAN, B., FALCONER, R.K.H. 1979. GEOLOGICAL/GEOPHYSICAL STUDIES IN BAFFIN BAY AND SCOTT INLET-BUCHAN GULF AND CAPE DYER-CUMBERLAND SOUND AREAS OF THE BAFFIN ISLAND SHELF. GEOLOGICAL SURVEY OF CANADA PAPER 79-1B: 231-244.

1331

MACLEAN, B., FALCONER, R.K.H., CLARKE, D.B. 1978. TERTIARY BASALTS OF WESTERN DAVIS STRAIT: BEDROCK CORE SAMPLES AND GEOPHYSICAL DATA. CANADIAN JOURNAL OF EARTH SCIENCES 15(5): 773-780. (BIO CONTRIBUTION NO. 707).

1332

MACLEAN, B., FALCONER, R.K.H., LEVY, E.M. 1981. GEOLOGICAL, GEOPHYSICAL, AND CHEMICAL EVIDENCE FOR NATURAL SEEPAGE OF PETROLEUM OFF THE NORTHEAST COAST OF BAFFIN ISLAND. BULLETIN OF CANADIAN PETROLEUM GEOLOGY 29(1): 75-95.

CHEMICAL, GEOLOGICAL AND GEOPHYSICAL STUDIES INDICATE THAT SURFACE SLICKS AND OIL DROPLETS AND GAS BUBBLES OBSERVED ERUPTING AT THE SEA SURFACE OFF SCOTT INLET ORIGINATE FROM NATURAL SEEPAGE OF PETROLEUM FROM THE SEAFLOOR.

1333

MACLEAN, B., JANSA, L.F., FALCONER, R.K.H., SRIVASTAVA, S.P. 1977. ORDOVICIAN STRATA ON THE SOUTHEASTERN BAFFIN ISLAND SHELF REVEALED BY SHALLOW DRILLING. CANADIAN JOURNAL OF EARTH SCIENCES 14(8): 1925-1939. (BIO CONTRIBUTION NO. 641).

1334

MACLEAN, B., JENNINGS, A., WILLIAMS, G.L., BLAKENEY, C. 1986. QUATERNARY SEDIMENTS AND BEDROCK UNDERLYING CUMBERLAND SOUND, N.W.T. [ABSTRACT]. IN: ARCTIC WORKSHOP (15TH : 1986 : INSTITUTE OF ARCTIC AND ALPINE RESEARCH, BOULDER, CO). BOULDER, CO: [THE WORKSHOP]. P.46-47.

PRECAMERIAN ROCKS UNDERLIE MOST OF SOUTHWESTERN HALF AND INNER PARTS. ORDOVICIAN ROCKS ARE PRESENT IN OUTER PART AND ALONG PART OF SOUTHWEST HALF. CRETACEOUS (BARREMIAN-CENOMANIAN) MUDSTONES AND SILTSTONES UNDERLIE NORTHEAST HALF. MAIN ACCUMULATION OF QUATERNARY SEDIMENTS WHICH INCLUDE TILL AND STRATIFIED SEDIMENTS IS RESTRICTED TO NORTHEAST SIDE OF SOUND WHERE REACH 30M IN THICKNESS AND TO OUTER PART WHERE REACH 50M.

1335

MACLEAN, B., KING, L.H. 1971. SURFICIAL GEOLOGY OF THE BANQUEREAU AND MISAINÉ BANK MAP AREA. GEOLOGICAL SURVEY OF CANADA PAPER 71-52. 19P. + 1 MAP. (MARINE SCIENCE PAPER 3).

1336

MACLEAN, B., POWELL, C. 1986. GEOLOGICAL RECONNAISSANCE OF SOUTHERN AND WESTERN APPROACHES TO BROUGHTON ISLAND, N.W.T. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1393. 6P. & 1 MAP.

ACOUSTIC PROFILES (AIRGUN, HUNTEC, AND SOME SIDESCAN) 3 SEDIMENT GRAB SAMPLE STATIONS AND 1 BOTTOM PHOTOGRAPH STATION WERE OBTAINED. SURFICIAL SEDIMENTS ARE OF VARIABLE THICKNESS (UP TO 18M) AND INCLUDE MUDDY SANDS AND LOCALLY GRAVEL FRAGMENTS UP TO BOULDER SIZE.

1337

MACLEAN, B., SONNICHSEN, G., VILKS, G. 1987. LATE WISCONSINAN PALEOCEANOGRAPHY; CANADIAN ARCTIC ARCHIPELAGO [ABSTRACT]. IN: INTERNATIONAL UNION FOR QUATERNARY RESEARCH INTERNATIONAL CONGRESS (12TH : 1987 : OTTAWA) PROGRAMME AND ABSTRACTS. OTTAWA : NATIONAL RESEARCH COUNCIL OF CANADA. P.217.

HIGH RESOLUTION SEISMIC PROFILES SHOW BASICALLY DRIFT DEPOSITS WITH POORLY DEVELOPED POST GLACIAL SEDIMENT SEQUENCES. SIDESCAN SONOGRAMS SHOW EVIDENCE FOR ICEBERG SCOURS, WHICH ARE INTERPRETED AS RELICT.

1338

MACLEAN, B., SRIVASTAVA, S.P. 1976. SHALLOW COREHOLE DRILLING ON THE BAFFIN ISLAND SHELF. GEOLOGICAL SURVEY OF CANADA PAPER 76-1A: 141-143.

A SHORT PROGRAM OF SHALLOW DRILLING UTILIZING THE BIO UNDERWATER ELECTRIC DRILL WAS CARRIED OUT FROM CSS HUDSON ON THE SOUTHEASTERN BAFFIN ISLAND SHELF FROM SEPTEMBER 15-17, 1975 (CRUISE 75-009, PHASE B). FIFTEEN

DRILLING ATTEMPTS WERE MADE AT 9 LOCALITIES AND 6 CORES TALLING 5444 CM IN LENGTH WERE RECOVERED FROM FOUR OF THESE LOCALITIES. CORES FROM 3 LOCALITIES CONSISTED OF LIMESTONE AND THE FOURTH CONSISTED OF GNEISS.

1339

MACLEAN, B., SRIVASTAVA, S.P. 1981. PETROLIFEROUS CORE FROM DIAPIR EAST OF CUMBERLAND SOUND, BAFFIN ISLAND. GEOLOGICAL SURVEY OF CANADA PAPER 81-1A: 399-400.

1340

MACLEAN, B., SRIVASTAVA, S.P., HAWORTH, R.T. 1982. BEDROCK STRUCTURES OFF CUMBERLAND SOUND, BAFFIN ISLAND SHELF: CORE SAMPLE AND GEOPHYSICAL DATA. IN: ARCTIC GEOLOGY AND GEOPHYSICS; PROCEEDINGS OF THE INTERNATIONAL SYMPOSIUM ON ARCTIC GEOLOGY (3RD : 1981 : CALGARY, ALBERTA), ED., A.F. EMBRY AND H.R. BALKWILL. CALGARY: CANADIAN SOCIETY OF PETROLEUM GEOLOGISTS. P.279-295. (CANADIAN SOCIETY OF PETROLEUM GEOLOGISTS MEMOIR 8).

1341

MACLEAN, B., VILKS, G. 1986. MARINE GEOLOGICAL PROGRAM IN THE BYAM MARTIN CHANNEL - LOUGHEED ISLAND REGION, DISTRICT OF FRANKLIN. GEOLOGICAL SURVEY OF CANADA PAPER 86-1A: 769-774.

A HELICOPTER-BORNE SEABED SEDIMENT SAMPLING PROGRAM WAS CARRIED OUT THROUGH THE ICE AT 79 STATIONS IN THE BYAM MARTIN CHANNEL - LOUGHEED I. REGION IN APRIL-MAY 1985. GRAVITY CORES INDICATE UPPER METRE OF SEDIMENTS PREDOMINANTLY SILT OR CLAY WITH VARIABLE AMOUNTS OF COARSER INTERVALS. FORAMS IN SURFACE SEDIMENTS INDICATE A FAUNAL BREAK AT 200 M WATER DEPTH.

1342

MACLEAN, B., VILKS, G., SONNICHSEN, G. 1986. GEOLOGICAL INVESTIGATIONS IN THE ARCTIC ISLAND CHANNELS [ABSTRACT]. IN: ARCTIC WORKSHOP (15TH : 1986 : INSTITUTE OF ARCTIC AND ALPINE RESEARCH, BOULDER, CO). BOULDER, CO: [THE WORKSHOP]. P.44.

1343

MACLEAN, B., WILLIAMS, G. 1980. UPPER CRETACEOUS ROCKS IN BAFFIN BAY [ABSTRACT]. GEOLOGICAL ASSOCIATION OF CANADA ANNUAL MEETING ABSTRACTS 5: 69.

CORES OF CALCAREOUS SILTSTONE FROM BUCHAN TROUGH CONTAIN RICH DINOFLAGELLATE ASSEMBLAGES DATED AS COMPANIAN. COMPARISON WITH ASSEMBLAGES FROM GREENLAND, BYLOT I., GRAHAM I. SUGGEST SEAWAY CONNECTION WITH OTHER PARTS OF EASTERN ARCTIC IN COMPANIAN. MARINE CONNECTION FROM BAFFIN BAY TO LABRADOR SEA THROUGH DAVIS STRAIT APPARENTLY ALSO EXISTED.

1344

MACLEAN, B., WILLIAMS, G.L. 1983. GEOLOGICAL INVESTIGATIONS OF BAFFIN ISLAND SHELF IN 1982. GEOLOGICAL SURVEY OF CANADA PAPER 83-1B: 309-315.

1345

MACLEAN, B., WILLIAMS, G.L., JENNINGS, A., BLAKENEY, C. 1986. BEDROCK AND

SURFICIAL GEOLOGY OF CUMBERLAND SOUND, N.W.T. GEOLOGICAL SURVEY OF CANADA PAPER 86-1B: 605-615.

CUMBERLAND SOUND IS UNDERLAIN BY PRECAMBRIAN ROCKS IN SOUTHWESTERN AND INNER PARTS ORDOVICIAN ROCKS IN OUTER PART, AND CRETACEOUS (BARRERNIAN - DENORNANIAN) ROCKS IN NORTHEAST PART. SURFICIAL SEDIMENT ACCUMULATIONS ARE MAINLY IN THE NORTHEAST AND OUTER PARTS WHERE REACH UP TO 30 AND 50M RESPECTIVELY. ELSEWERE THEY MAINLY OCCUR AS A THIN LESS THAN 1-2 M, DISCONTINUOUS COVER OVER ROUGH PRECAMBRIAN BEDROCK.

1346

MACLEAN, B., WILLIAMS, G.L., SANFORD, B.V. 1986. REGIONAL GEOLOGY OF CUMBERLAND SOUND AND HUDSON STRAIT [ABSTRACT]. IN: RESERVES CANADA 21; "CANADA'S HYDROCARBON RESERVES FOR THE 21ST CENTURY"; C.S.P.G. 1986 CONVENTION; PROGRAM AND ABSTRACTS (1986 : CALGARY). [CALGARY: THE CONVENTION]. P.63.

SEDIMENTARY ROCKS OF EARLY CRETACEOUS AGE UNDERLIE NE HALF OF CUMBERLAND SOUND. EARLY PALEOZOIC STRATA BOUND AND MAY UNDERLIE THESE YOUNGER ROCKS TO SEAWARD. QUATERNARY SEDS UP TO 25 M THICK OCCUR MAINLY IN EASTERN POINT OF THE SOUND. IN HUDSON STRAIT CORES FROM 14 STATIONS INDICATE BEDROCK IS PREDOMINANTLY L. PALEOZOIC CARBONATE ROCK. STRATIFIED QUATERNARY SEDIMENTS IN PLACES ATTAIN THICKNESSES OF 50 M. UNSTRATIFIED SEDIMENTS INCLUDE MORAINAL ACCUMULATIONS.

1347

MACLEAN, B., WILLIAMS, G.L., SANFORD, B.V., KLASSEN, R.A., BLAKENEY, C., JENNINGS, A. 1986. A RECONNAISSANCE STUDY OF THE BEDROCK AND SURFICIAL GEOLOGY OF HUDSON STRAIT, N.W.T. GEOLOGICAL SURVEY OF CANADA PAPER 86-1B: 617-635.

PRELIMINARY CORRELATION OF LITHOLOGIES FROM 12 OFFSHORE STATIONS WITH ROCKS EXPOSED ON SOUTHAMPTON, COATS, AND MANSEL ISLANDS AND IN AKPATOK WELL TOGETHER WITH REGIONAL RELATIONSHIPS ON SEISMIC PROFILES SUGGEST: CARBONATE ROCKS OF ORDOVICIAN AGE UNDERLIE MOST OF WESTERN PART OF STRAIT, BUT SILURIAN AND POSSIBLY YOUNGER STRATA ALSO PRESENT IN EASTERN PART.

1348

MACLEAN, B., WILLIAMS, G.L., SANFORD, B.V., KLASSEN, R.A., BLAKENEY, C., JENNINGS, A. 1986. INVESTIGATIONS OF THE BEDROCK AND QUATERNARY GEOLOGY OF HUDSON STRAIT [ABSTRACT]. IN: ARCTIC WORKSHOP (15TH : 1986 : INSTITUTE OF ARCTIC AND ALPINE RESEARCH, BOULDER, CO). BOULDER, CO: [THE WORKSHOP]. P.45.

PRELIMINARY LITHOLOGIC CORRELATIONS WITH STRATA ON SOUTHAMPTON, COATS, MANSEL ISLANDS IN NORTHERN HUDSON BAY, AND IN THE AKPATOK ISLAND WELL, AND SEISMIC RELATIONSHIPS SUGGEST HUDSON STRAIT MAINLY IS UNDERLAIN BY PROBABLE ORDOVICIAN AND SILURIAN ROCKS. YOUNGER STRATA POSSIBLY OCCUR IN THE EASTERN PART. QUATERNARY SEDIMENTS INCLUDE GLACIAL TILL AND STRATIFIED SEDIMENTS AND REACH UP TO 130M IN LOCAL BASINS.

1349

MACLEAN, B., WOODSIDE, J.M., GIROUARD, P. 1984. GEOLOGICAL AND GEOPHYSICAL INVESTIGATIONS IN JONES SOUND, DISTRICT OF FRANKLIN. GEOLOGICAL SURVEY OF CANADA PAPER 84-1A: 359-365.

1350

MACLEAN, B, SONNICHSEN, G., POWELL, C., ET AL. 1987. STUDIES OF THE QUATERNARY SEDIMENTS OF WELLINGTON, BYAM MARTIN AND ADJACENT CHANNELS, CANADIAN ARCTIC ARCHIPELAGO. IN: ARCTIC WORKSHOP (16TH : 1987 : EDMONTON), ABSTRACTS. EDMONTON, ALBERTA : BOREAL INSTITUTE FOR NORTHERN STUDIES, UNIVERSITY OF ALBERTA. P.93-95.

DATA OBTAINED FROM HUDSON IN WELLINGTON, BYAM MARTIN AND AUSTIN CHANNELS, AND IN NORTHERN VISCOUNT MELVILLE SOUND AND EASTERN BARROW STRAIT AND FROM THE LEADS IN LOUGHEED, CAMERON, MELVILLE I. REGION INDICATE THE WIDESPREAD PRESENCE OF SEDIMENTS INTERPRETED TO BE GLACIAL DRIFT (TILL). THESE LOCALLY ARE OVERLAIN BY UP TO A FEW METERS OF ACCOUSTICALLY STRATIFIED AND/OR TRANSPARENT SILTY AND CLAYEY SEDIMENTS INFERRED TO BE GLACIMARINE AND PAST-GLACIAL MARINE.

1351

MACLEAN, B., VILKS, G., SONNICHSEN, G. 1986. STUDIES OF SURFICIAL SEDIMENTS IN INTER-ISLAND CHANNELS OF THE CANADIAN ARCTIC ARCHIPELAGO [ABSTRACT]. IN: EXPLORATION OVERVIEW; MINING, EXPLORATION AND GEOLOGICAL INVESTIGATIONS, NORTHWEST TERRITORIES 1986; PART 2 - GEOLOGICAL INVESTIGATIONS AND ABSTRACTS OF PAPERS; ANNUAL GEOSCIENCE FORUM (14TH : 1986 : YELLOWKNIFE, N.W.T.). YELLOWKNIFE, N.W.T.: GEOLOGY DIVISION, NORTHERN AFFAIRS PROGRAM. P.

INVESTIGATIONS OF GEOLOGY AND GEOTECHNICAL PROPERTIES OF SURFICIAL SEDIMENTS IN THE INTER ISLAND CHANNELS OF ARCTIC ARCHIPELAGO WERE CARRIED OUT IN 1985 AND 1986 USING OPEN WATER LEADS, CONVENTIONAL SHIPBORNE SURVEYS AND THRU-THE-ICE SAMPLING. RESULTS INDICATE WIDESPREAD OCCURRENCE OF SEDIMENTS OF APPARENT GLACIAL ORIGIN THAT LOCALLY ARE OVERLAIN BY UP TO A FEW METERS OF SILTY AND CLAYEY SEDIMENT WITH SOME COARSER COMPONENTS.

1352

MACNAB, R.F. 1971. BEDFORD AIDS OFFSHORE OIL HUNT. OILWEEK 22(33): 47, 48, 54.

1353

MACNAB, R.F. 1975. MARINE GRAVITY AND MAGNETIC DATA NORTHEAST OF NEWFOUNDLAND; SCALE 1:250, 000. GEOLOGICAL SURVEY OF CANADA OPEN FILE 248: MAP.

DIGITAL FILES OF MINNA 73-019 (MAINLY) DATA USED BY DIGITECH SYSTEMS LTD., IN PREPARATION OF 11 NEW NATURAL RESOURCE MAPS.

1354

MACNAB, R.F. 1976. THE CONSTRUCTION OF ERROR LOBES FOR TWO-RANGE POSITIONING SYSTEMS; A RAPID GRAPHICAL TECHNIQUE. HYDROGRAPHIC JOURNAL 2(4): 41-44.

1355

MACNAB, R. 1983. GEOMAGNETIC SURVEYS AND INTERPRETATIONS. (A) ATLANTIC

GEOSCIENCE CENTRE. CANADIAN GEOPHYSICAL BULLETIN = BULLETIN CANADIEN DE GEOPHYSIQUE 36: 41.

SUMMARY AND BIBLIOGRAPHY OUTLINING AGC ACTIVITIES IN MARINE MAGNETICS IN 1983 1356 MACNAB, R.F. 1983. MULTIPARAMETER MAPPING OFF THE EAST COAST OF CANADA. GEOLOGICAL SURVEY OF CANADA PAPER 83-1A: 163-171.

1357

MACNAB, R. 1983. MULTIPARAMETER SURVEYS IN THE OFFSHORE: BROADENING THE DIMENSIONS OF HYDROGRAPHY. IN: FROM LEADLINE TO LASER; CENTENNIAL CONFERENCE OF THE CANADIAN HYDROGRAPHIC SERVICE = DE LA LIGNE DE SONDE AU LASER; CONFERENCE DU CENTENAIRE DU SERVICE HYDROGRAPHIQUE DU CANADA (1983 : OTTAWA, ONT.). CANADIAN SPECIAL PUBLICATION OF FISHERIES AND AQUATIC SCIENCES 67: 149-156.

1359

MACNAB, R. 1983. SHIPAC: A SOFTWARE PACKAGE FOR THE SHIPBOARD PROCESSING OF MARINE GEOPHYSICAL SURVEY DATA. GEOLOGICAL SURVEY OF CANADA PAPER 83-1B: 327-330.

1360

MACNAB, R. 1985. GEOMAGNETIC SURVEYS, CHARTS AND COMPILATIONS [ATLANTIC GEOSCIENCE CENTRE SUBMISSION]. CANADIAN GEOPHYSICAL BULLETIN = BULLETIN CANADIEN DE GEOPHYSIQUE 38: 48.

REVIEW OF AGC ACCOMPLISHMENTS IN MAGNETIC SURVEYS, DATA MANAGEMENT, AND DATA INTERPRETATION IN 1985.

1361

MACNAB, R.F., GRANT, A.C. 1974. SEISMIC DATA FROM CRUISE MINNA 73-019. GEOLOGICAL SURVEY OF CANADA OPEN FILE 228. 16P., 1 MAP, 5 CHARTS.

COPIES OF SHALLOW SEISMIC RECORDS OBTAINED NORTHEAST OF NEWFOUNDLAND DURING MINNA 73-019, PLUS SUPPORTING INFORMATION.

1362

MACNAB, R., LONCAREVIC, B.D., COOPER, R.V., GIROUARD, P.R., HUGHES, M.D., SHOZHJI, F. 1985. A REGIONAL MARINE MULTIPARAMETER SURVEY SOUTH OF NEWFOUNDLAND. GEOLOGICAL SURVEY OF CANADA PAPER 85-1B: 325-332.

PRELIMINARY DISCUSSION OF RESULTS OF HYDROGRAPHIC - GEOPHYSICAL SURVEY IN LAURENTIAN CHANNEL - ST. PIERRE BANK AREA.

1363

MACNAB, R., MUKHERJEE, P.K., BUXTON, R. 1986. CANADA'S CONTINENTAL SHELF - AN OCEAN MAPPING CHALLENGE = LE PLATEAU CONTINENTAL DU CANADA - UN DEFI DE CARTOGRAPHIE MARINE [ABSTRACT]. IN: COMPLETING THE PICTURE- THE SEARCH CONTINUES; CANADIAN HYDROGRAPHIC CONFERENCE = ETAT DES CONNAISSANCES: LA RECHERCHE CONTINUE; CONFERENCE HYDROGRAPHIQUE DU CANADA (1987 : BURLINGTON, ONT). [BURLINGTON?: THE CONFERENCE]. P.

THE PAPER DISCUSSES THE NEED FOR OCEAN MAPPING BEYOND 200 NM., ADDRESSES

SOME OF THE PROBLEMS, AND OUTLINES A GENERAL PLAN OF ATTACK.

1364

MACNAB, R., PLASSE, D., GRAVES, M. 1985. AN INDEX OF COMMERCIALY-ACQUIRED POTENTIAL FIELD DATA IN THE CANADIAN EAST COAST OFFSHORE. GEOLOGICAL SURVEY OF CANADA PAPER 85-1B: 467-469.

A REVIEW OF PUBLIC REPORTS HELD BY COGLA HAS RESULTED IN A COMPREHENSIVE CATALOGUE OF INDUSTRY OPERATIONS, PLUS THE IDENTIFICATION OF A NUMBER OF COMMERCIAL DATA SETS THAT MAY BE USEFUL TO ENHANCE GOVERNMENT POTENTIAL FIELD DATA.

1365

MACNAB, R., SHIH, K.G., SRIVASTAVA, S.P. 1985. APPLICATION OF THE NEW INTERNATIONAL GEOMAGNETIC REFERENCE FIELD (IGRF80) TO LARGE SETS OF MARINE MAGNETOMETER DATA. PHYSICS OF THE EARTH AND PLANETARY INTERIORS 37(1): 5-11.

COMPARISONS OF NEW AND OLD IGRF MODELS THROUGH APPLICATION TO AGC MARINE MAGNETIC DATA SETS CONFIRM THE SUPERIORITY OF THE NEW; AND APPROXIMATION TECHNIQUE HAS BEEN DEVELOPED THAT SPEEDS UP COMPUTER EVALUATION OF THE NEW EXPRESSION WITH LITTLE SACRIFICE IN ACCURACY.

1366

MACNAB, R., VERHOEF, J., WOODSIDE, J. 1987. TECHNIQUES FOR THE DISPLAY AND EDITING OF MARINE POTENTIAL FIELD DATA. GEOLOGICAL SURVEY OF CANADA PAPER 87-1A: 865-875.

EFFICIENT EDITING AND PRODUCTION OF POTENTIAL FIELD MAPS IS FACILITATED WITH NEW TOOLS DEVELOPED FOR ENHANCEMENT AND DISPLAY OF LARGE DATA SETS. THE CLEAN DATA BASIS RESULTING FROM THIS ARE BASIC TO HIGH LEVEL GEOLOGICAL INTERPRETATION.

1367

MACNAB, R., WOODSIDE, J., LONCAREVIC, B. 1983. REBUILDING A LARGE INVENTORY OF MARINE GEOPHYSICAL SURVEY DATA: A CASE STUDY. IN: INTERNATIONAL UNION OF GEODESY AND GEOPHYSICS GENERAL ASSEMBLY (18TH : 1983 : HAMBURG, GERMANY), IUGG INTER-DISCIPLINARY SYMPOSIA, PROGRAMME AND ABSTRACTS. HAMBURG: THE CONFERENCE. V.1: 250.

1368

MACNAB, R., [ET AL.] 1983. [GRAVITY:] 3. ATLANTIC GEOSCIENCE CENTRE (AGC). CANADIAN GEOPHYSICAL BULLETIN = BULLETIN CANADIEN DE GEOPHYSIQUE 36: 18-19.

SUMMARY AND BIBLIOGRAPHY OUTLINING AGC ACTIVITIES IN MARINE GRAVITY IN 1983.

1369

MACNAB, R., MUKHERJEE, P.K., BUXTON, R. 1987. THE 1982 UN CONVENTION ON THE LAW OF THE SEA AND THE OUTER LIMIT OF THE CONTINENTAL SHELF: SOME PRACTICAL CONSIDERATIONS FOR WIDE-MARGIN STATES. PROCEEDINGS, THE OCEANS - AN

INTERNATIONAL WORKPLACE 2: 698-704. (GEOLOGICAL SURVEY OF CANADA CONTRIBUTION 20487).

PROBLEMS IN DELIMITING THE OUTER LIMIT OF THE CONTINENTAL SHELF WILL NOT ARISE FROM THE EXISTING TECHNOLOGY FOR OCEAN MAPPING, BUT FROM FACTORS RELATED TO THE INTERPRETATION OF ARTICLE 76 OF UNCLOS

1370

MAGEAU, C.M., WALKER, D.A. 1975. ALTERATION OF FORAMINIFERAL TESTS DUE TO INGESTION BY LARGER INVERTEBRATES [ABSTRACT]. IN: ABSTRACTS, BENTHONICS '75. HALIFAX: DALHOUSIE UNIV., ETC. P.29.

1371

MAGEAU, N.C., WALKER, D.A. 1976. EFFECTS OF INGESTION OF FORAMINIFERA BY LARGER INVERTEBRATES. IN: INTERNATIONAL SYMPOSIUM ON BENTHONIC FORAMINIFERA OF CONTINENTAL MARGINS (1ST : 1975 : HALIFAX), ED., C.T. SCHAFER AND B.R. PELLETIER. MARITIME SEDIMENTS SPECIAL PUBLICATION 1: 89-105. (BIO CONTRIBUTION NO. 615).

ALTERATION OF FORAMINIFERAL TESTS WAS OBSERVED ON SPECIMENS INGESTED BY INVERTEBRATES OF THE CLASSES POLYCHAETA, CRUSTACEA, GASTROPODA, ASTEROIDEA, ECHINOIDEA AND HOLOTHUROIDEA. TWO BASIC TYPES OF ALTERATION PATTERNS WERE FOUND ON THE INGESTED CALCAREOUS TESTS, GOUGES, PUNCTURES AND MISSING CHAMBERS, AND CHEMICALLY INDUCED ALTERATION IN THE FORM OF ETCHING, RANGING FROM MINOR SURFICIAL ETCHING TO TOTAL DISSOLUTION.

1372

MANCHESTER, K.S. 1964. GEOPHYSICAL INVESTIGATIONS BETWEEN CANADA AND GREENLAND. M.SC. THESIS, DALHOUSIE UNIVERSITY, HALIFAX NS. P.UNPAGED.

1373

MANCHESTER, K.S. 1967. MANUAL FOR CODING AND KEYPUNCHING UNDERWATER CAMERA STATION DATA. BIO INTERNAL NOTE 1967-21-I. 48P.

1374

MANCHESTER, K.S. 1968. AN UNDERWATER PHOTOGRAPH DATA INTERPRETATION AND RETRIEVAL SYSTEM [ABSTRACT]. EOS; TRANSACTIONS, AMERICAN GEOPHYSICAL UNION 49(1): 220.

1375

MANCHESTER, K.S. 1969. ANSCHUTZ GYRO TABLE REPAIR AND OVERHAUL MANUAL. BIO INTERNAL NOTE 1969-13-I. 31P.

1376

MANCHESTER, K.S., KEEN, M.J., CLARKE, D.B., ROSS, D.I. 1971. GEOLOGIC STRUCTURE OF BAFFIN BAY AND DAVIS STRAIT DETERMINED BY VARIOUS GEOPHYSICAL TECHNIQUES [ABSTRACT]. AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS BULLETIN 54(12): 2494-2495.

1377

MANCHESTER, K.S., LEA, T., MCGRATH, P.H. 1964. GEOPHYSICAL SURVEY OF THE C.C.G.S. LABRADOR JULY-OCTOBER 1963. BIO INTERNAL NOTE 64-3. 16P.

1378

MANCHESTER, K.S., MCGRATH, P., KEEN, M.J. 1964. GEOPHYSICAL STUDIES IN THE LABRADOR SEA, DAVIS STRAIT AND BAFFIN BAY [ABSTRACT]. EOS; TRANSACTIONS, AMERICAN GEOPHYSICAL UNION 45(1): 72.

1379

MANCHESTER, K.S., SHIH, K.G., JOHNSTON, B.L. 1972. MAGNETIC AND BATHYMETRIC PROFILES IN THE DAVIS STRAIT AND LABRADOR SEA; B1 5-63 BAFFIN CRUISE. BEDFORD INSTITUTE OF OCEANOGRAPHY DATA SERIES BI-D-72-2. 152P.

1380

MANCHESTER, K.S., SHIH, K.G., JOHNSTON, B.L. 1972. MAGNETIC AND BATHYMETRIC PROFILES IN THE EASTERN CANADIAN ARCTIC AREAS; B1 12-63 LABRADOR CRUISE. BEDFORD INSTITUTE OF OCEANOGRAPHY DATA SERIES B1-D-72-11. 280P.

1381

MANLEY, T.O., CODISPOTI, L.A., HUNKINS, K.L., JACKSON, H.R., JONES, E.P., LEE, V., MOORE, S., MORISON, J., PACKARD, T.T., WADHAMS, P. 1982. THE FRAM EXPEDITION. EOS; TRANSACTIONS, AMERICAN GEOPHYSICAL UNION 63 (35): 627-636.

1382

MARILLIER, F., TOMASSINO, A. 1986. 3-D SEISMIC STRUCTURE OF THE CRUST OF THE AQUITAINE SHELF (BAY OF BISCAY) [ABSTRACT]. EOS; TRANSACTIONS, AMERICAN GEOPHYSICAL UNION: 1191.

THE RIFTED PARENTIS BASIN LOCATED ON THE AQUITAINE SHELF HAS BEEN PREVIOUSLY SHOWN TO POSSESS AN UNUSUAL THIN CRUST BELOW A APPROXIMATELY 12KM SEDIMENTARY SEQUENCE. THE EXPANDING SPREAD PROFILE GATHERED ACROSS THIS BASIN HAVE BEEN SHOWN TO BE INFLUENCED BY LATERAL HETEROGENEITIES. RAY TRACING ALONG THESE PROFILES ALLOWS TO ACERTAIN THE VELOCITY DETERMINATION DERIVED FROM THEM.

1383

MARILLIER, F., TOMASSINO, A., PATRIAT, PH., PINET, B. 1987. DEEP STRUCTURE OF THE AQUITAINE SHELF; CONSTRAINTS FROM EXPANDING SPREAD PROFILES ON THE ECORS BAY OF BISCAY TRANSECT. MARINE PETROLEUM GEOLOGY VOL 5. P. 65-74.

THE ANALYSIS OF SIX EXPANDING SPREAD PROFILES WITH TWO COMPLEMENTARY METHODS ALLOWS US TO PUT CONSTRAINTS ON THE INTERPRETATION OF THE DEEP SEISMIC PROFILE SHOT ALONG THE AQUITAINE SHELF. AMONG OTHER FEATURES THE MOHO IS SHOWN TO RISE UP TO 20KM DEPIHS BENEATH THE RIFTED PARENTIS BASIN.

1384

MARILLIER, F, STOCKMAL, G.S., KEEN, C.E. 1987. CAN WE IDENTIFY THE TERRANES OF THE NORTHERN APPALACHIANS USING THEIR DEEP CRUSTAL SEISMIC CHARACTER? [ABSTRACT]. IN: INTERNATIONAL UNION OF GEODESY AND GEOPHYSICS GENERAL ASSEMBLY (19TH : 1987 : VANCOUVER) [ABSTRACTS]. INTERNATIONAL UNION OF GEODESY AND GEOPHYSICS (IUGG). P.6.

USING THE DEEP REFLECTION SEISMIC SURVEY IN THE GULF OF ST. LAWERENCE

CHARACTERISTICS OF THE DIFFERENT TERRANES CROSSED BY THE SEISMIC LINES ARE INVESTIGATED BY LOOKING AT THEIR REFLECTION PATTERNS, THE AMPLITUDES THE FREQUENCY CONTENT AND THE REFRACTION VELOCITIES MEASURED ALONG NEAR BY PROFILES DOWN TO THE MOHO.

1385

MARLOWE, J.I., VILKS, G. 1963. MARINE GEOLOGY, EASTERN PART OF PRINCE GUSTAF ADOLF SEA, DISTRICT OF FRANKLIN: POLAR CONTINENTAL SHELF PROJECT. GEOLOGICAL SURVEY OF CANADA PAPER 63-22. 23P.

1386

MASCLE, A., MOORE, C., MORAN, K., ET AL 1987. ACCRETIONARY COMPLEX PENETRATED, DEFINED. IN: THE LESSER ANTILLES. GEOTIMES JAN 1987: 13-16.

1387

MASSON, A, LOCAT, J. 1987. DESCRIPTIONS ET ESSAIS GEOTECHNIQUES EFFECTUES SUR DES ECHANTILLONS PROVENANT DU FJORD DE CAMBRIDGE, TERREDE BAFFIN, CANADA. IN: SEDIMENTOLOGY OF ARCTIC FJORD EXPERIMENT : DATA REPORT (3RD : 1987), SYVITSKI, J.P.M. (COMP), PRAEG, D.B. (COMP). CANADIAN DATA REPORT OF HYDROGRAPHY AND OCEAN SCIENCES NO. 54. 20 P. (GEOLOGICAL SURVEY OF CANADA OPEN FILE REPORT NO. 1589).

1388

MATTHEWS, D., KEEN, C.E., [ET AL.], BIRPS CORE GROUP, LITHOPROBE EAST GROUP 1986. A PROFILE ACROSS THE ATLANTIC RIFT [ABSTRACT]. IN: BIRPS; SECOND INTERNATIONAL SYMPOSIUM ON DEEP SEISMIC REFLECTION PROFILING OF THE CONTINENTAL LITHOSPHERE; ABSTRACTS OF LECTURES AND POSTERS; INDEX; LIST OF PARTICIPANTS (2ND : 1986 : CAMBRIDGE, UK). [CAMBRIDGE, UK: THE SYMPOSIUM]. P. 16.

1389

MAYER, L., COURNEY, R., MORAN, K. 1987. NOVEL ACOUSTICS APPLICATIONS/SEAFLOOR ENGINEERING [ABSTRACT]. IN: OCEANS '87 (1987 : HALIFAX, NOVA SCOTIA), PROCEEDINGS.: 139.

1390

MAYER, L., MORAN, K., PIPER, D.J., COURNEY, R.C. 1987. LONG CORES FROM EMERALD BASIN, NOVA SCOTIA; PHYSICAL AND ACOUSTIC PROPERTIES [ABSTRACT]. EOS; TRANSACTIONS, AMERICAN GEOPHYSICAL UNION 68 (44): 1324.

LCF CORES WERE USED TO COMPARE VELOCITY AND GEOTECHNICAL DATA.

1391

MAYER, L.A., RYAN, W.B.F., DETRICK, R.S., FOX, P.J., KONG, L., MANCHESTER, K. 1985. STRUCTURE AND TECTONICS OF THE MID-ATLANTIC RIDGE SOUTH OF THE KANE FRACTURE ZONE BASED ON SEA MARC I AND SEA BEAM SITE SURVEYS [ABSTRACT]. EOS; TRANSACTIONS, AMERICAN GEOPHYSICAL UNION 66(46): 1092.

A US/CANADIAN RESEARCH TEAM HAS RECENTLY COMPLETED DETAILED SITE SURVEYS AT THE M.A.R. SOUTH OF THE KANE FRACTURE ZONE AIMED AT IDENTIFYING SITES SUITABLE FOR BARE-ROCK DRILLING. AN AREA 15 KM X 100 KM LONG WAS SURVEYED USING SEABEAM & SEAMARC I FROM WHICH THE TECTONICS AND THE STRUCTURE OF

THE AREA COULD BE INTERPRETED.

1392

MICALPINE, K.D., GRANT, A.C. 1986. PETROLEUM GEOLOGY OF THE JEANNE D'ARC BASIN, OFFSHORE NEWFOUNDLAND [ABSTRACT]. IN: RESERVES CANADA 21; "CANADA'S HYDROCARBON RESERVES FOR THE 21ST CENTURY"; C.S.P.G. 1986 CONVENTION (1986 : CALGARY). [CALGARY: THE CONVENTION]. P.64.

ALL THE IMPORTANT OIL DISCOVERIES OFFSHORE EASTERN CANADA ARE IN THE JEANNE D'ARC BASIN. THERE IS NOT YET A STANDARD LITHOSTRATIGRAPHIC NOMENCLATURE AND WE INTRODUCED OUR THEME. THE GEOCHEMISTRY AND MATURATION OF THE SOLE SOURCE ROCK AND THE RESULTING GEOGRAPHIC DISTRIBUTION OF THE DISCOVERIES IS DISCUSSED.

1393

MCCANN, S.B. 1978. COASTAL LANDFORMS; A REVIEW OF RECENT STUDIES. PROGRESS IN PHYSICAL GEOGRAPHY 1(2): 339-344.

THIS YEAR'S REVIEW EMPHASIZES THE ASPECTS OF SEDIMENT DYNAMICS, SEDIMENT BUDGETS AND NEW TECHNOLOGY AS APPLIED TO THE EVOLUTION OF COASTAL LAND FORMS.

1394

MCCANN, S.B. 1978. CONFERENCE ON THE COASTLINE OF CANADA - LITTORAL PROCESSES AND SHORE MORPHOLOGY. GEOSCIENCE CANADA 5(4): 204-205.

1395

MCCANN, S. 1979. BARRIER ISLANDS IN THE SOUTHERN GULF OF ST. LAWRENCE, CANADA. IN: COASTAL RESEARCH SYMPOSIUM; BARRIER ISLANDS FROM THE GULF OF ST. LAWRENCE TO THE GULF OF MEXICO (1978 : BOSTON, MASS). NEW YORK: ACADEMIC PRESS. P.29-63.

A REVIEW OF RECENT RESEARCH ON THE SOUTHERN GULF BARRIER SYSTEMS EMPHASIZES THE RANGE OF SHORELINE CONDITIONS. COMPARISONS ARE MADE WITH BARRRIERS FURTHER SOUTH.

1396

MCCANN, S.B., COGLEY, J.G. 1977. FLOODS ASSOCIATED WITH GLACIER MARGIN DRAINAGE IN ELLESMERE ISLAND, N.W.T. IN: CANADIAN HYDROLOGY SYMPOSIUM '77, PROCEEDINGS = COMPTE RENDUS DU SYMPOSIUM CANADIEN D'HYDROLOGIE '77. OTTAWA: NATIONAL RESEARCH COUNCIL OF CANADA, ASSOCIATE COMMITTEE ON HYDROLOGY. P.14-23.

1397

MCCANN, S.B., REINSON, G.E., ARMON, J.W. 1977. TIDAL INLETS OF THE SOUTHERN GULF OF ST. LAWRENCE, CANADA. IN: COASTAL SEDIMENTS '77; SYMPOSIUM OF THE WATERWAY, PORT COASTAL AND OCEAN DIVISION OF ASCE (5TH : 1977 : CHARLESTON, SC). AMERICAN SOCIETY OF CIVIL ENGINEERS. P. 504-519.

1398

MCCANN, S.B., TAYLOR, R.B. 1976. BEACH FREEZEUP SEQUENCE AT RADSTOCK BAY, DEVON ISLAND, ARCTIC CANADA. ARCTIC AND ALPINE RESEARCH 7(4): 379-386.

1399

MCCOWAN, D.W., BUHL, P., EWING, J.I., KEEN, C.E., AUSTIN, J.A., JR. 1982. PROCESSING OF LASE THREE-SHIP MULTICHANNEL REFLECTION DATA - A PROGRESS REPORT [ABSTRACT]. EOS; TRANSACTIONS, AMERICAN GEOPHYSICAL UNION 63(18): 427.

1400

[MCCROSSAN, R.G.], [PROCTER, R.M.], [ROY, K.J.], [SANFORD, B.V.], [WADE, J.A.] 1973. ENERGY RESERVES AND POTENTIAL RESOURCES, A) OIL AND GAS. IN: AN ENERGY POLICY FOR CANADA, PHASE I. V.2, APPENDICES. OTTAWA: DEPARTMENT OF ENERGY, MINES AND RESOURCES. P.31-56.

SUMMARIZES THE GEOLOGY OF POTENTIAL PETROLEUM SOURCES OF CANADA; REVIEWS G.S.C. METHODOLOGY AND ESTIMATES OF HYDROCARBON POTENTIAL IN CANADA (INCLUDING EASTERN CANADA); AND COMPARES WITH OTHER PUBLISHED ESTIMATES.

1401

MCKENNA-NEUMAN, C., GILBERT, R. 1987. GRAIN-SIZE CHARACTERISTICS OF AEOLIAN SEDIMENTS FROM FIORD HEADS ON BAFFIN ISLAND. IN: SEDIMENTOLOGY OF ARCTIC FJORDS EXPERIMENT : DATA REPORT (3RD : 1987), SYVITSKI, J.P.M. (COMP), PRAEG, D.B. (COMP). CANADIAN DATA REPORT OF HYDROGRAPHY AND OCEAN SCIENCES NO. 54. 10 P. (GEOLOGICAL SURVEY OF CANADA OPEN FILE REPORT NO. 1589).

1402

MCKEOWN, D.L., GRANT, A.C. 1975. THE OCEAN '74 CONFERENCE. GEOSCIENCE CANADA 2(1): 54-58.

A REVIEW OF THE TECHNICAL CONTENT OF THE OCEAN '74 INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS CONFERENCE.

1403

MCLAREN, P. 1979?. THE COASTAL ENVIRONMENTS OF LABRADOR FOR OIL SPILL CONTINGENCY PLANNING [ABSTRACT]. IN: SYMPOSIUM ON RESEARCH IN THE LABRADOR COASTAL AND OFFSHORE REGION (1979 : ST. JOHN'S, NEWFOUNDLAND). ST. JOHN'S: MEMORIAL UNIVERSITY. P.183.

1404

MCLAREN, P. 1980. THE COASTAL MORPHOLOGY AND SEDIMENTOLOGY OF LABRADOR: - A STUDY OF SHORELINE SENSITIVITY TO A POTENTIAL OIL SPILL. GEOLOGICAL SURVEY OF CANADA PAPER 79-28. 41P. + 2 MAPS.

1405

MCLAREN, P. 1981. AN INTERPRETATION OF TRENDS IN GRAIN SIZE MEASURES. JOURNAL OF SEDIMENTARY PETROLOGY 51(2): 611-624.

1406

MCLAREN, P. 1982. THE COASTAL GEOMORPHOLOGY, SEDIMENTOLOGY AND PROCESSES OF EASTERN MELVILLE AND WESTERN BYAM MARTIN ISLANDS, CANADIAN ARCTIC ARCHIPELAGO. GEOLOGICAL SURVEY OF CANADA BULLETIN 333. 39P.

1407

MCLAREN, P., BARRIE, W.B., SEMPOLS, J.M., SIEFFERT, R.A., TAYLOR, R.B., THOMSON, D. 1981. COASTAL ENVIRONMENTAL DATA FROM EASTERN LANCASTER SOUND AND NORTHEASTERN BAFFIN ISLAND, NWT. BEDFORD INSTITUTE OF OCEANOGRAPHY DATA SERIES BI-D-81-1. 283P.

1408

MEAGHER, L. 1984. INTERPRETATION OF QUATERNARY AND UPPER NEOGENE SEISMIC STRATIGRAPHY ON THE CONTINENTAL SLOPE OFF ST. PIERRE BANK. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1077. 23P. PLUS ILLUS.

EIGHT TIME STRATIGRAPHIC UNITS RECOGNIZED TO 3 SEC DEPTH BELOW SEA LEVEL. UPPER UNITS ARE SOUTHWARD THINNING STRATIFIED WEDGES THAT ARE DAMED OVER A CENTRAL HIGH OFF ST PIERRE BANK. LENSES OF CHAOTIC REFLECTORS (FILL OR SLUMPS) ARE IDENTIFIED. VERY FEW FAULTS ARE OBSERVED AND NO POST-DEPOSITIONAL STRUCTURAL DEVELOPMENTS. SLUMPING APPEARS RELATED MORE TO GLACIAL EVENTS THAN TECTONIC FACTORS.

1409

MEAGHER, L., RUFFMAN, A., STEWART, J.MCG. 1976. MARINE GEOLOGICAL DATA SYNTHESIS JAMES BAY. GEOLOGICAL SURVEY OF CANADA OPEN FILE 497. 2 V., 9 CHARTS.

A SYNTHESIS OF MARINE GEOLOGICAL DATA FROM JAMES BAY AS PRECIPITATED BY THE JAMES BAY DEVELOPMENT CORPORATION'S JAMES BAY HYDROELECTRIC PROJECT UNDER CONSTRUCTION IN NORTHERN QUEBEC. THE SYNTHESIS REVIEWS THE VARIOUS STUDIES RELATED TO THE MARINE GEOLOGY AND RECOMMENDS FURTHER WORK WHICH SHOULD BE COMPLETED TO PROVIDE PRESENTLY UNAVAILABLE INFORMATION.

1410

MEDIOLI, F.S., SCHAFER, C.T., SCOTT, D.B. 1986. DISTRIBUTION OF RECENT BENTHONIC FORAMINIFERA NEAR SABLE ISLAND, NOVA SCOTIA. CANADIAN JOURNAL OF EARTH SCIENCES 23(7): 985-1000.

FACTORS CONTROLLING LOCAL ASSEMBLAGE DISTRIBUTION PATTERNS AROUND SABLE ISLAND CANNOT BE RELATED TO AMBIENT WATERMASS CHARACTERISTICS. THE OCCURRENCE OF DENSE POPULATIONS OF THE ESTUARINE SPECIES EGGERALLA ADVENA MAY REFLECT MIGRATION OF GROUNDWATER TO THE SURFICIAL LAYER OF FORESHORE SEDIMENTS.

1411

MEYER, A., BOILLOT, G., WINTERER, E., APPELATE, J., BALITUCK, M., BERGEN, J., COMAS, M., DAVIES, T., DUNHAM, K., EVANS, C., GIRARDEAU, J., GOLDBERG, D., HAGGERTY, J., JANSÁ, L., JOHNSON, J., KASAHARA, J., LOREAU, J.P., LUNA, E., MOULADE, M., OGG, J., SARTI, M., THUROW, J., WILLIAMSON, M. 1985. EARLY CRETACEOUS RIFTING AND ORIGIN OF THE 'S REFLECTOR': PRELIMINARY RESULTS OF OCEAN DRILLING PROGRAM LEG 103 [ABSTRACT]. EOS; TRANSACTIONS, AMERICAN GEOPHYSICAL UNION 66(46): 917.

THE DRILLING DEMONSTRATED THAT EXTENSIVE RIFTING OF THE OUTER GALICIA MARGIN OCCURRED DURING EARLY CRETACEOUS. THE 'S' REFLECTOR CONSIDERED TO REPRESENT BRITTLE/DUCTILE CRUST BOUNDARY IS A REFLECTOR AT THE BASE OF THE

RIFT SEQUENCE AND THUS PROBABLY OF SEDIMENTARY ORIGIN.

1412

MILLER, A.A.L., MUDIE, P.J., SCOTT, D.B. 1982. HOLOCENE HISTORY OF BEDFORD BASIN, NOVA SCOTIA: FORAMINIFERA, DINOFLAGELLATE AND POLLEN RECORDS. CANADIAN JOURNAL OF EARTH SCIENCES 19(12): 2342-2367.

1413

MILLER, A.A.L., SCOTT, D.B., SMITH, D. 1985. POST-GLACIAL PALEO-OCEANOGRAPHY, NORTHEAST NEWFOUNDLAND SHELF. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1194. 1V. (DALHOUSIE UNIVERSITY, CENTRE FOR MARINE GEOLOGY, TECHNICAL REPORT 4).

FIVE BENTHIC FORAMINIFERAL ASSEMBLAGES INDICATE FLUCTUATIONS IN WATERMASS CHARACTERISTICS ON THE NEWFOUNDLAND SHELF DURING THE LATE QUATERNARY. THE EVIDENCE SUGGESTS AN ONSHORE-OFFSHORE MIGRATION OF THE LABRADOR CURRENT CORE WITH AN INCREASED INNER LABRADOR CURRENT INFLUENCE AT THE PRESENT TIME.

1414

MILLER, K.G., GRADSTEIN, F.M., BERGGREN, W.A. 1979. CRETACEOUS TO EARLY TERTIARY AGGLUTINATED BENTHIC FORAMINIFERA IN THE DEEP OCEAN AND ATLANTIC MARGIN: BIOSTRATIGRAPHY AND PALEOCEANOGRAPHY [ABSTRACT]. GEOLOGICAL SOCIETY OF AMERICA, ABSTRACTS WITH PROGRAMS 11(7): 480. (BIO CONTRIBUTION NO. 980).

1415

MILLER, K.G., GRADSTEIN, F.M., BERGGREN, W.A. 1982. LATE CRETACEOUS TO EARLY TERTIARY AGGLUTINATED BENTHIC FORAMINIFERA IN THE LABRADOR SEA. MICROPALAEONTOLOGY 28(1): 1-30.

REVIEW OF WORLDWIDE OCCURRENCES AND TAXONOMY OF FOSSIL AGGLUTINATED ASSEMBLAGES; PRESENTATION OF NEW PALEOECOLOGY MODEL WHICH DIFFERS FROM THE ONE WE PROPOSED FOR PETROLEUM BASINS; AND REVISION OF DSDP SITE 112 STRATIGRAPHY, USING ONSET OF DEEP CIRCULATION MODELS.

1416

MILLER, M.A., WILLIAMS, G.L. 1987. THE ESSENTIAL ROLE OF PALYNOLOGY FOR BEDROCK MAPPING IN HUDSON STRAIT, N.W.T. [ABSTRACT]. IN: THE AMERICAN ASSOCIATION OF STRATIGRAPHIC PALYNOLOGISTS ANNUAL MEETING (20TH : 1987 : HALIFAX), PROGRAMME AND ABSTRACTS. THE AMERICAN ASSOCIATION OF STRATIGRAPHIC PALYNOLOGISTS INC. P.P 116.

1417

MILLER, R.O., MACNAB, R., AMOS, C.L., FADER, G.B. 1983. CANADIAN EAST COAST MULTIPARAMETER SURVEYS, 1982. GEOLOGICAL SURVEY OF CANADA PAPER 83-1B: 331-334.

1418

MILLIQUOUD, M.E., WILLIAMS, G.L., LENTIN, J.K. 1975. STRATIGRAPHIC RANGE CHARTS OF SELECTED FOSSIL DINOFLAGELLATES -- SELECTED CRETACEOUS DINOFLAGELLATES. IN: PROCEEDINGS OF A FORUM ON DINOFLAGELLATES AS PART OF THE ANNUAL

MEETING, A.A.S.P. (6TH : 1975 : ANAHEIM, CA), ED., W.R. ERITT. AMERICAN ASSOCIATION OF STRATIGRAPHIC PALYNOLOGISTS CONTRIBUTION SERIES 4: 65-72. (BIO CONTRIBUTION NO. 547).

THE KNOWN VERTICAL RANGE OF BIOSTRATIGRAPHICALLY USEFUL DINOFLAGELLATES IN THE CRETACEOUS.

1419

MILNE, J.E.S., HOWIE, R.D. 1964. DEVELOPMENTS IN EASTERN CANADA IN 1963. AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS BULLETIN 48(6): 1022-1034.

ANNUAL REPORT ON EXPLORATION, DEVELOPMENT, PRODUCTION, LEASE HOLDING, CURRENT BIBLIOGRAPHY, AND EXPLORATION FORECAST FOR OIL AND GAS IN ONTARIO, QUEBEC, AND THE ATLANTIC PROVINCES.

1420

MILNE, J.E.S., HOWIE, R.D. 1965. DEVELOPMENTS IN EASTERN CANADA IN 1964. AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS BULLETIN 49(6): 841- 853.

ANNUAL REPORT ON EXPLORATION, DEVELOPMENT, PRODUCTION, LEASE HOLDINGS, CURRENT BIBLIOGRAPHY, AND EXPLORATION FORECAST FOR OIL AND GAS IN ONTARIO, QUEBEC, AND THE ATLANTIC PROVINCES.

1421

MILNE, J.E.S., HOWIE, R.D. 1966. DEVELOPMENT IN EASTERN CANADA IN 1965. AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS BULLETIN 50(6): 1295-1310.

ANNUAL REPORT ON EXPLORATION, DEVELOPMENT, PRODUCTION, LEASE HOLDINGS, CURRENT BIBLIOGRAPHY, AND EXPLORATION FORECAST FOR OIL AND GAS IN ONTARIO, QUEBEC, AND THE ATLANTIC PROVINCES.

1422

MILNE, J.E.S., HOWIE, R.D. 1967. DEVELOPMENTS IN EASTERN CANADA IN 1966. AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS BULLETIN 51(6): 1163-1173.

ANNUAL REPORT ON EXPLORATION, DEVELOPMENT, PRODUCTION, LEASE HOLDINGS, CURRENT BIBLIOGRAPHY, AND EXPLORATION FORECAST FOR OIL AND GAS IN ONTARIO, QUEBEC, AND THE ATLANTIC PROVINCES.

1423

MONAHAN, D., MACNAB, R. 1974. MESO-MORPH MAP; THE MAPPING OF MEDIUM-SCALE MORPHOLOGY FROM ECHOGRAMS. IN: ANNUAL CANADIAN HYDROGRAPHIC CONFERENCE (13TH : 1974 : BURLINGTON, ONT.), [PROCEEDINGS]. [OTTAWA]: CANADIAN HYDROGRAPHIC SERVICE. P.111-126.

THIS PAPER DESCRIBES A NEW USE FOR OLD HYDROGRAPHIC RECORDS. INFORMATION RELATING TO SEA-FLOOR MORPHOLOGY IS EXTRACTED FROM THE RECORDS AND DISPLAYED IN MAP FORM. THE FLEMISH CAP-FLEMISH PASS AREA IS USED AS A TEST CASE.

1424

MONAHAN, D., MACNAB, R.F. 1975. MACRO- AND MESO-MORPHOLOGY OF FLEMISH CAP,

FLEMISH PASS, AND THE NORTHEASTERN GRAND BANKS OF NEWFOUNDLAND. IN: OFFSHORE GEOLOGY OF EASTERN CANADA: VOLUME 2 - REGIONAL GEOLOGY, ED., W.J.M. VAN DER LINDEN AND J.A. WADE. GEOLOGICAL SURVEY OF CANADA PAPER 74-30(2): 207-216. (BIO CONTRIBUTION NO. 561).

HYDROGRAPHIC SURVEY DATA HAVE BEEN USED TO ANALYZE THE SEA-FLOOR MORPHOLOGY AND TO CONSTRUCT MAPS SHOWING DETAILED BATHYMETRY AS WELL AS DISTRIBUTION OF VARIOUS BOTTOM CATEGORIES.

1425

MOORE, J.G., BROWN, J.D., RASHID, M.A. 1977. THE EFFECT OF LEACHING ON ENGINEERING BEHAVIOR OF A MARINE SEDIMENT. GEOTECHNIQUE 27(4): 517-531. (BIO CONTRIBUTION NO. 698).

LEACHING OF ORGANIC AND INORGANIC CONSTITUENTS FROM THE SEDIMENT ALTERS THE SHEAR STRENGTH AND OTHER ENGINEERING PROPERTIES.

1426

MORAN, K. 1986. GEOTECHNICAL ASPECTS OF THE DIGS EXPERIMENT. IN: ICE SCOUR AND SEABED ENGINEERING : PROCEEDINGS OF A WORKSHOP ON ICE SCOUR RESEARCH, ED., C.F.M. LEWIS [ET AL.]. OTTAWA: ENVIRONMENTAL STUDIES REVOLVING FUNDS. P.143-144. (ENVIRONMENTAL STUDIES REVOLVING FUNDS REPORT NO. 049).

1427

MORAN, K., CHRISTIAN, H. 1985. TRIAXIAL SHEAR STRENGTH TESTING FACILITY FOR THE WESTERN ARCTIC. GEOLOGICAL SURVEY OF CANADA PAPER 85-1A: 697-698.

1428

MORAN, K., HURLEUT, S. 1986. ANALYSIS OF POTENTIAL SLOPE INSTABILITY DUE TO WAVE LOADING ON THE SCOTIAN SHELF. IN: CANADIAN CONFERENCE ON MARINE GEOTECHNICAL ENGINEERING (3RD : 1986 : ST. JOHN'S, NFLD). [ST. JOHN'S: THE CONFERENCE]. P.503. (GEOLOGICAL SURVEY OF CANADA CONTRIBUTION NO. 15986).

THE POTENTIAL FOR SLOPE INSTABILITY DUE TO WAVE LOADING IS EVALUATED USING KNOWN WAVE PARAMETERS TO CALCULATE RESIDUAL PORE PRESSURES IN SURFICIAL SEDIMENTS OF THE SCOTIAN SLOPE. UPPER SLOPE REGIONS BETWEEN 100 AND 140 M WATER DEPTH AND SLOPE ANGLES 72 PER CENT ARE MOST SUSCEPTABLE TO WAVED INDUCED SLOPE FACTORS.

1429

MORGAN, P. 1986. SEDIMENT TRANSPORT STUDY AT KING POINT, YUKON TERRITORY. GEOLOGICAL SURVEY OF CANADA PAPER 86-1B: 859-863.

A FIELD STUDY TO COLLECT SEDIMENT TRANSPORT AND COASTAL ZONE DATA WAS CONDUCTED AT KING POINT IN THE YUKON TERRITORY. DATA COLLECTED INCLUDED WAVE MEASUREMENTS, WINDSPEED AND DIRECTION, BOTTOM CURRENT MEASUREMENTS, SEDIMENT SAMPLES AND BEACH AND BATHYMETRIC PROFILES.

1430

MORISON, S.R., TAYLOR, R.B. 1978. PHYSICAL CHARACTERISTICS AND SEASONAL CHANGES IN AN ARCTIC ESTUARINE ENVIRONMENT. GEOLOGICAL SURVEY OF CANADA

PAPER 78-1B: 101-106.

1431

MORRIS, T.H., CLARK, D.L., BLASCO, S.M. 1985. SEDIMENTS OF THE LOMONOSOV RIDGE AND MAKAROV BASIN: A PLEISTOCENE STRATIGRAPHY FOR THE NORTH POLE. GEOLOGICAL SOCIETY OF AMERICA BULLETIN 96(7): 901-910.

1432

MOSHER, D.C., ASPREY, K.W. 1986. A TECHNIQUE FOR SLABBING FINE-GRAINED SEDIMENT IN PISTON CORES. JOURNAL OF SEDIMENTARY PETROLOGY 56(4): 565-567.

A SLABBING TRAY AND CUTTING TOOL WERE DESIGNED TO TAKE 1 CM THICK SLABS FROM SPLIT PISTON CORES. THE TRAY, 1CM DEEP, 4.5CM WIDE, AND 25CM LONG, IS PRESSED INTO A FLAT CORE SURFACE. THE TOOL CUTS THE SEDIMENT BENEATH THE TRAY CAUSING NO DISTURBANCE TO THE SLAB OR THE REMAINING CORE. THESE SEDIMENT SLABS FACILITATE SEDIMENT HANDLING AND MARKEDLY IMPROVE THE QUALITY OF X-RADIOGRAPHS.

1433

MOTHERSILL, J.S., TABREZ, A.R. 1987. SEDIMENTOLOGIC DATA FROM 82-031 S.A.F.E. CORES MC-1, MC-7, IT-1, TI-1A. IN: SEDIMENTOLOGY OF ARCTIC FJORDS EXPERIMENT : DATA REPORT (3RD : 1987), SYVITSKI, J.P.M. (COMP), PRAEG, D.B. (COMP). CANADIAN DATA REPORT OF HYDROGRAPHY AND OCEAN SCIENCES NO. 54. 8 P. (GEOLOGICAL SURVEY OF CANADA OPEN FILE REPORT NO. 1589).

1434

MUCCI, A., PAGE.P. 1987. THE WATER CHEMISTRY OF CRUISE 85-036 ON BRAS D'OR LAKE, CAPE BRETON ISLAND, NOVA SCOTIA. GEOLOGICAL SURVEY OF CANADA PAPER 87-1A: 17-24.

SPECIFIC ALKALINITY AND J 18 O MEASUREMENTS INDICATE THAT BRAS D'OR LAKE WATERS ARE A CONSERVATIVE MIXTURE OF SEAWATER AND RUNOFF. GROUNDWATER DOES NOT MAKE A SIGNIFICANT CONTRIBUTION.

1435

MUDFORD, B.S. 1988. A QUANTITATIVE ANALYSIS OF LITHOSPHERIC SUBSIDENCE DUE TO THINNING BY SIMPLE SHEAR. CANADIAN JOURNAL OF EARTH SCIENCES 25(1): 20-29. (GEOLOGICAL SURVEY OF CANADA CONTRIBUTION 26786).

AN ARCHETYPAL KINEMATIC SIMPLE SHEAR MODEL IS STUDIED IN A QUANTITATIVE MANNER. SUBSIDENCE AND STRETCHING FACTOR DISTRIBUTIONS ACROSS A ZONE OF SIMPLE SHEAR ARE CALCULATED. THESE ENABLE DISCRIMINATION BETWEEN PURE SHEAR AND SIMPLE SHEAR MODES OF RIFTING. IT IS ALSO UNLIKELY THAT UPLIFTED METAMORPHIC CORE COMPLEXES CAN FORM.

1436

MUDIE, P.J. 1974. THE POTENTIAL ECONOMIC USES OF HALOPHYTES. IN: THE ECOLOGY OF HALOPHYTES, ED., W.H. QUEEN AND R.J. REIMOLD. NEW YORK: ACADEMIC PRESS. P.565-597.

1437

MUDIE, P.J. 1980. PALYNOLOGY OF LATER QUATERNARY MARINE SEDIMENTS, EASTERN CANADA. PH.D THESIS, DALHOUSIE UNIVERSITY, HALIFAX, NS. 638P.

1438

MUDIE, P.J. 1982. DINOFLAGELLATE CYSTS IN HOLOCENE SEDIMENTS, EASTERN CANADIAN ARCTIC [ABSTRACT]. IN: AMERICAN ASSOCIATION OF STRATIGRAPHIC PALYNOLOGISTS, PROCEEDINGS OF THE ANNUAL MEETING (14TH : 1981 : NEW ORLEANS, LA). PALYNOLOGY 6: 288.

1440

MUDIE, P.J. 1982. POLLEN DISTRIBUTION IN RECENT MARINE SEDIMENTS, EASTERN CANADA. CANADIAN JOURNAL OF EARTH SCIENCES 19 (4): 729-747.

1441

MUDIE, P.J. 1983. MIOCENE PALYNSUCCESSIONS: VOLCANIC OR GLACIAL CAUSE? [ABSTRACT]. IN: ANNUAL MEETING, AMERICAN ASSOCIATION OF STRATIGRAPHIC PALYNOLOGISTS (16TH : 1983 : SAN FRANCISCO, CA.) PROGRAM AND ABSTRACTS. [S.L.: S.N.]. P.30.

1442

MUDIE, P.J. 1984. A QUANTITATIVE MODEL OF POLLEN TRANSPORT IN THE MARINE ENVIRONMENT [ABSTRACT]. IN: INTERNATIONAL PALYNOLOGICAL CONFERENCE; ABSTRACTS (6TH : 1984 : CALGARY), ED., J. UTTING. CALGARY, ALTA: [THE CONFERENCE]. P.112.

A BOX-MODEL ANALYSIS OF POLLEN TRANSPORT TO NEARSHORE AND SHELL SEDIMENTS SHOWS THAT AERIAL TRANSPORT IS THE MAIN INFLUX PATHWAY AND THAT TIDAL CIRCULATION ANNUALLY TRANSPORT 50% OF THE POLLEN FROM NEARSHORE TO SHELF.

1443

MUDIE, P.J. 1984. MULTIVARIATE ANALYSIS AND PALEOTRANSFER FUNCTIONS FOR QUATERNARY DINOFLAGELLATES [ABSTRACT]. IN: INTERNATIONAL PALYNOLOGICAL CONFERENCE; ABSTRACTS (6TH : 1984 : CALGARY), ED., J. UTTING. CALGARY: [THE CONFERENCE]. P.112.

Q-MODE FACTOR ANALYSIS AND MULTIPLE REGRESSION WERE USED TO QUANTIFY THE RELATIONSHIP BETWEEN RECENT DINOCYST ASSEMBLAGES AND MODERN OCEANOGRAPHIC PARAMETERS. SUMMER SURFACE TEMPERATURE AND SALINITY CAN BE ESTIMATED FROM FOSSIL ASSEMBLAGES WITH AN ACCURACY OF 2.4 C AND 2.2%, RESPECTIVELY.

1444

MUDIE, P.J. 1985. DINOCYSTS IN UPPER MIOCENE - PLEISTOCENE SEDIMENTS OF SUBTROPICAL AND SUBPOLAR N. ATLANTIC DSPD CORES, LEG 94 [ABSTRACT]. IN: INTERNATIONAL CONFERENCE ON MODERN AND FOSSIL DINOFLAGELLATES; ABSTRACTS (3RD : 1985 : ROYAL HOLLOWAY AND BEDFORD COLLEGE). EGHAM, SURREY: [THE CONFERENCE].

1445

MUDIE, P.J. 1985. PALYNOLOGY OF THE CESAR CORES, ALPHA RIDGE. IN: INITIAL GEOLOGICAL REPORT ON CESAR - THE CANADIAN EXPEDITION TO STUDY THE ALPHA RIDGE, ARCTIC OCEAN, ED., H.R. JACKSON, P.J. MUDIE, AND S.M. BLASCO.

GEOLOGICAL SURVEY OF CANADA PAPER 84-22: 149-174.

1446

MUDIE, P.J. 1985. THECA AND CYST-STAGE DINOFLAGELLATES IN FJORDS OF NOVA SCOTIA (42 DEGREES N) AND BAFFIN ISLAND (72 DEGREES N). IN: INTERNATIONAL CONFERENCE ON MODERN AND FOSSIL DINOFLAGELLATES; ABSTRACTS (3RD : 1985 : ROYAL HOLLOWAY AND BEDFORD COLLEGE). EGHAM, SURREY: [THE CONFERENCE].

1447

MUDIE, P.J. 1987. PALYNOLOGY AND DINO CYST BIOSTRATIGRAPHY OF UPPER MIOCENE TO PLEISTOCENE SEDIMENTS, NORWEGIAN SEA ODP SITES 642 TO 644 [ABSTRACT]. IN: THE AMERICAN ASSOCIATION OF STRATIGRAPHIC PALYNOLOGISTS ANNUAL MEETING(20TH : 1987 : HALIFAX), PROGRAMME AND ABSTRACTS. THE AMERICAN ASSOCIATION OF STRATIGRAPHIC PALYNOLOGISTS INC. P. 120.

1448

MUDIE, P.J. 1987. PALYNOLOGY AND DINOFLAGELLATE BIOSTRATIGRAPHY OF DEEP SEA DRILLING PROJECT LEG 94, SITES 607 AND 611, NORTH ATLANTIC OCEAN. IN: INITIAL REPORTS OF THE DEEP SEA DRILLING PROJECT, [BY] W.F. RUDDIMAN, R.B. KIDD [ET AL]. WASHINGTON: U.S. GOVERNMENT PRINTING OFFICE. P.785-812. (GEOLOGICAL SURVEY OF CANADA CONTRIBUTION NO. 18186).

DINOFLAGELLATE CYSTS FROM DEEP HOLES (GREATER THAN 350 M) CORED DURING DSDP LEG 94 WERE USED TO DETERMINE AS LATE MIOCENE - PLEISTOCENE PALYNOSTRATIGRAPHY FOR 2 SITES IN THE CENTRAL NORTH ATLANTIC OCEAN: SUBTROPICAL SITE 607 (41 DEGREES 07 NORTH) AND SUBPOLAR SITE 611 (52 DEGREES 50 NORTH). THESE PALYNOZONES ARE CORRELATED WITH MAGNETO-STRATIGRAPHIC DATA AND STANDARD NORTH ATLANTIC MICROFOSSIL ZONATIONS.

1449

MUDIE, P.J., AKSU, A.E. 1984. CESAR CORES: LITHOSTRATIGRAPHIC CORRELATION AND PALEOENVIRONMENTAL INTERPRETATION OF ALPHA RIDGE CRETACEOUS AND LATE CENOZOIC SEDIMENTS [ABSTRACT]. IN: JOINT PROGRAMME WITH ABSTRACTS; ANNUAL CONGRESS, CANADIAN METEOROLOGICAL AND OCEANOGRAPHIC SOCIETY (18TH : 1984 : HALIFAX, N.S.) [AND] ANNUAL MEETING, CANADIAN GEOPHYSICAL UNION (11TH : 1984 : HALIFAX, N.S.) = PROGRAMME CONJOINT AVEC RESUMES; CONGRES ANNUEL, SOCIETE CANADIENNE DE METEOROLOGIE ET D'OCEANOGRAPHIE (18E : 1984 : HALIFAX, N.-E.) [ET] REUNION ANNUELLE, L'UNION CANADIENNE DE GEOPHYSIQUE (11E : 1984 : HALIFAX, N.-E.), ED., E.J. TRUHLAR. HALIFAX: THE CONFERENCE. P.84.

1450

MUDIE, P.J., AKSU, A.E. 1984. DINOFLAGELLATE AND POLLEN RECORDS OF GLACIAL CYCLES IN BAFFIN BAY DURING THE PAST 0.3 MA [ABSTRACT]. IN: INTERNATIONAL PALYNOLOGICAL CONFERENCE; ABSTRACTS (6TH : 1984 : CALGARY), ED., J. UTTING. CALGARY: [THE CONFERENCE]. P.113.

PALYNOFORMS IN CORES FROM DAVIS STRAIT WERE USED TO CLARIFY PALEOECOLOGICAL PROBLEMS DUE TO DISSOLUTION OF CALCAREOUS MICROFOSSILS. DINOFLAGELLATES SHOW INCREASED PRODUCTIVITY DURING INTERGLACIALS DUE TO GREATER INFLOW OF ATLANTIC WATERS. CYCLES OF BOREAL POLLEN AND EARLY GLACIAL STAGES.

1451

MUDIE, P.J., AKSU, A.E. 1984. DINOFLAGELLATE AND POLLEN RECORDS OF GLACIAL CYCLES IN BAFFIN BAY DURING THE PAST 0.3 MA [ABSTRACT]. IN: ATLANTIC GEOSCIENCE SOCIETY COLLOQUIUM ON CURRENT RESEARCH IN THE ATLANTIC PROVINCES (1984 : AMHERST, N.S.), ABSTRACTS. [S.L.]: THE COLLOQUIUM. P.110. (MARITIME SEDIMENTS AND ATLANTIC GEOLOGY 20(2)).

1452

MUDIE, P.J., AKSU, A.E. 1984. PALEOCLIMATE OF BAFFIN BAY FROM 300, 000-YEAR RECORD OF FORAMINIFERA, DINOFLAGELLATES AND POLLEN. NATURE (LONDON) 312(5995): 630-634.

1453

MUDIE, P.J., AKSU, A.E. 1985. A 4 MILLION YEAR ARCTIC OCEAN RECORD [ABSTRACT]. GEOLOGICAL ASSOCIATION OF CANADA/MINERALOGICAL ASSOCIATION OF CANADA, PROGRAM WITH ABSTRACTS 10: A42.

1454

MUDIE, P.J., BLASCO, S.M. 1985. LITHOSTRATIGRAPHY OF THE CESAR CORES. IN: INITIAL GEOLOGICAL REPORT ON CESAR - THE CANADIAN EXPEDITION TO STUDY THE ALPHA RIDGE, ARCTIC OCEAN, ED., H.R. JACKSON, P.J. MUDIE, AND S.M. BLASCO. GEOLOGICAL SURVEY OF CANADA PAPER 84-22: 59-99.

1455

MUDIE, P.J., BYRNE, R. 1980. POLLEN EVIDENCE FOR HISTORIC SEDIMENTATION RATES IN CALIFORNIA COASTAL MARSHES. ESTUARINE AND COASTAL MARINE SCIENCE 10(3): 305-316.

1456

MUDIE, P.J., DEONARINE, B. 1983. DINOFLAGELLATES AND POLLEN FROM PLANKTON TOWS AND SURFACE SEDIMENTS. IN: SEDIMENTOLOGY OF ARCTIC FJORDS EXPERIMENT; HU82-031 DATA REPORT, ED., J.P.M. SYVITSKI AND C.P. BLAKENEY. CANADIAN DATA REPORT OF HYDROGRAPHY AND OCEAN SCIENCES 12. V.1: 2.1-2.7. ALSO PUBLISHED IN GEOLOGICAL SURVEY OF CANADA OPEN FILE 960.

1457

MUDIE, P.J., GUILBAULT, J.P. 1982. ECOSTRATIGRAPHIC AND PALEOMAGNETIC STUDIES OF LATE QUATERNARY SEDIMENTS ON THE NORTHEAST NEWFOUNDLAND SHELF. GEOLOGICAL SURVEY OF CANADA PAPER 82-1B: 107-116.

1458

MUDIE, P.J., HELGASON, J. 1983. PALYNOLOGICAL EVIDENCE FOR MIOCENE CLIMATIC COOLING IN EASTERN ICELAND ABOUT 9.8 MYR AGO. NATURE 303(5919): 689-692.

1459

MUDIE, P.J., JACKSON, H.R. 1985. SUMMARY = SOMMAIRE [INITIAL GEOLOGICAL REPORT ON CESAR]. IN: INITIAL GEOLOGICAL REPORT ON CESAR - THE CANADIAN EXPEDITION TO STUDY THE ALPHA RIDGE, ARCTIC OCEAN, ED., H.R. JACKSON, P.J. MUDIE, AND S.M. BLASCO. GEOLOGICAL SURVEY OF CANADA PAPER 84-22: 3-10.

1460

MUDIE, P.J., KEEN, C.E. 1983. DINOFLAGELLATE DISTRIBUTION AND QUATERNARY GLACIAL - INTER GLACIAL RECORDS IN THE NORTHWEST ATLANTIC AND BAFFIN BAY [ABSTRACT]. IN: AMERICAN ASSOCIATION OF STRATIGRAPHIC PALYNOLOGISTS, PROCEEDINGS OF THE ANNUAL MEETING (15TH : 1982 : DUBLIN, IRELAND), (JOINT MEETING WITH THE COMMISSION INTERNATIONALE DE MICROFLORE DU PALEOZOIQUE). PALYNOLOGY 7: 244.

1461

MUDIE, P.J., KEEN, C.E., HARDY, I.A., VILKS, G. 1984. MULTIVARIATE ANALYSIS AND QUANTITATIVE PALEOECOLOGY OF BENTHIC FORAMINIFERA IN SURFACE AND LATE QUATERNARY SHELF SEDIMENTS, NORTHERN CANADA. MARINE MICROPALAEONTOLOGY 8(4): 283-313.

1462

MUDIE, P.J., PIPER, D.J.W., RIDEOUT, K., ROBERTSON, K.R., SCHAFFER, C.T., VILKS, G., HARDY, I.A. 1984. STANDARD METHODS FOR COLLECTING, DESCRIBING AND SAMPLING QUATERNARY SEDIMENTS AT THE ATLANTIC GEOSCIENCE CENTRE. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1044. 46P.

OUTLINE OF PRINCIPLES AND PROCEDURES NECESSARY FOR THE EFFECTIVE COLLECTION, DESCRIPTION, SAMPLING AND CURATION OF QUATERNARY SEDIMENT CORES AND GRAB SAMPLES.

1463

MUDIE, P.J., SAUNDERS, K., DAEROS, M.J. 1987. TAS; A VERSATILE COMPUTERIZED MICROSCOPE SYSTEM FOR AUTOMATED IMAGE ANALYSIS AND STATISTICAL STUDY OF PALYNOFORMS [ABSTRACT]. IN: THE AMERICAN ASSOCIATION OF STRATIGRAPHIC PALYNOLOGISTS ANNUAL REPORT (20TH : 1987 : HALIFAX), PROGRAMME AND ABSTRACTS.

THE AMERICAN ASSOCIATION OF STRATIGRAPHIC PALYNOLOGISTS INC. P.122.

1464

MUDIE, P.J., SCHAFFER, C.T. 1976. CORRELATION AND INTERPRETATION OF PALYNOLOGICAL ASSEMBLAGES IN REPLICATE CORES OF MARINE SEDIMENT FROM GEORGES BAY, NOVA SCOTIA [ABSTRACT]. MARITIME SEDIMENTS 12(3): 100.

1465

MUDIE, P.J., SHORT, S.K. 1985. MARINE PALYNOLOGY OF BAFFIN BAY. IN: QUATERNARY ENVIRONMENTS: EASTERN CANADIAN ARCTIC, BAFFIN BAY AND WESTERN GREENLAND, ED., J.T. ANDREWS. BOSTON: ALLEN & UNWIN. P.263-308.

1467

MUDIE, P.J., STOFFYN-EGLI, P., VAN WAGONER, N.A. 1986. GEOLOGICAL CONSTRAINTS FOR TECTONIC MODELS OF THE ALPHA RIDGE. IN: POLAR GEOPHYSICS; PROCEEDINGS OF THE SYMPOSIUM POLAR GEOPHYSICS (1985 : TOKYO), EDS., G.L. JOHNSON AND K. KAMINUMA. JOURNAL OF GEODYNAMICS 6: 215-236.

A COMPOSITE STRATIGRAPHY FOR CESAR AND FLETCHES ISLAND PRE-NEOGENE SEDIMENTS IS PRESENTED. AGES RANGES FROM LATE COMPANION TO LATE EOCENE

FOR BIOGENIC SEDIMENTS. A VOLCANIC OUTCROP IS DATED AS LATE EOCENE. TRANSITIONAL SEDIMENTS MAY MARK THE CRETACEOUS-TERTIARY BOUNDARY. LAMINATED SEDIMENTS SHOW SLOW DEPOSITION IN A CONTINUOUSLY OXIDIZING ENVIRONMENT WITH NO DETRITAL INFLUX.

1468

MUDIE, P.J. 1986. PALYNOLOGY AS A METHOD FOR DATING ICEBERG SCOURS. IN: ICE SCOUR AND SEABED ENGINEERING : PROCEEDINGS OF A WORKSHOP ON ICE SCOUR RESEARCH, ED., C.F.M. LEWIS [ET AL.]. OTTAWA: ENVIRONMENTAL STUDIES REVOLVING FUNDS. P.233-239. (ENVIRONMENTAL STUDIES REVOLVING FUNDS REPORT NO. 049).

PRELIMINARY STUDIES OF CORES FROM ICE SCOUR FEATURES ON THE NORTHEAST NEWFOUNDLAND SHELF INDICATE THAT PALYNOLOGY CAN BE USED TO DATE BOUNDARIES OF SCOUR EVENTS WITH A PRECISION OF CA +/-1000 YRS.

1469

MUNDAY, J.C., JR., ALFOLDI, T.T., AMOS, C.L. 1981. BAY OF FUNDY VERIFICATION OF A SYSTEM FOR MULTIDATE LANDSAT MEASUREMENT OF SUSPENDED SEDIMENT. IN: SATELLITE HYDROLOGY : PROCEEDINGS OF THE ANNUAL WILLIAM T. PECORA MEMORIAL SYMPOSIUM ON REMOTE SENSING (5TH : 1979 : SIOUX FALLS, SOUTH DAKOTA), ED., M. DEUTSCH, D.R. WIESNET, A. RANGO. MINNEAPOLIS: AMERICAN WATER RESOURCES ASSOCIATION. P.622-640. (AMERICAN WATER RESOURCES ASSOCIATION TECHNICAL PUBLICATION TPS81-1).

1470

MUNROE, H.D. 1976. THE EFFECTS OF STORMS ON NEARSHORE MORPHOLOGY, NEGUAC ISLAND, NEW BRUNSWICK. GEOLOGICAL SURVEY OF CANADA PAPER 76-1C: 37-39.

1471

MUNROE, H.D., TAYLOR, R.B. (ED.), PIPER, D.J.W. (ED.), LEWIS, C.F.M. (ED.) 1982. REGIONAL VARIABILITY, PHYSICAL SHORELINE TYPES AND MORPHO- DYNAMIC UNITS OF THE ATLANTIC COAST OF MAINLAND NOVA SCOTIA. GEOLOGICAL SURVEY OF CANADA OPEN FILE 725. 26P. + APPENDICES, MAPS, COMPUTER TAPE.

1472

M.J. O'CONNOR AND ASSOCIATES LTD. 1985. GEOLOGICAL DATA COMPILATION FOR MARINE AREAS OF THE CANADIAN ARCTIC ARCHIPELAGO. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1159. 1 V., 17 APPENDICES, 31 MAPS.

1472.1

NANTAIS, P.T. 1985. A REAPPRAISAL OF THE REGIONAL HYDROCARBON POTENTIAL OF THE SCOTIAN SHELF. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1175. 1 V.

EVALUATES THE PETROLEUM GEOCHEMISTRY OF SCOTIAN SHELF USING CORRECTED TEMPERATURES, TAI, TTI, % RO, TOC AND CUTTINGS GAS ANALYSES. A MODEL TO EXPLAIN HYDROCARBON OCCURRENCES IS PRESENTED.

1473

NANTAIS, P.T. 1985. REGIONAL HYDROCARBON POTENTIAL OF THE LABRADOR SHELF. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1197. 1V.

THE HYDROCARBON POTENTIAL OF THE LABRADOR SHELF HAS BEEN EVALUATED USING SOURCE ROCK ANALYSES AND MATURATION INDICES FROM 14 WELLS. THE SEDIMENTS CONTAIN ABOVE AVERAGE CONCENTRATIONS OF ORGANIC MATTER. THE AVERAGE GEOTHERMAL GRADIENT IS 2.93 C/100 M AND FULL MATURITY IS ATTAINED AT 3000-3300 M. EVIDENCE IS PRESENTED TO SUPPORT THE GENERATION OF GAS AND CONDENSATE FROM TYPES 2 AND 3 ORGANIC MATTER AT RELATIVELY LOW LEVELS OF MATURATION.

1474

NEALE, E.R.W., ARMSTRONG, J.E., CLARK, L., KEEN, M.J., LAMARCHE, R.Y., MONEY, P.L., SAVAGE, P.J. 1981. THE GEOSCIENCES IN CANADA, 1979. PART 1: GEOLOGY AND GEOPHYSICS IN CANADIAN UNIVERSITIES. GEOLOGICAL SURVEY OF CANADA PAPER 80-6(PART 1). 154P.

1475

NEWMAN, P.H., FALCONER, R.K.H. 1978. EVIDENCE FOR MOVEMENT BETWEEN GREENLAND AND CANADA ALONG NARES STRAIT [ABSTRACT]. GEOLOGICAL SOCIETY OF AMERICA, ABSTRACTS WITH PROGRAMS 10(7): 463.

1476

NO AUTHORS CITED 1970. SIDE SCAN SONAR, ECHO SOUNDING AND SHALLOW SEISMIC DATA, BEAUFORT SEA. GEOLOGICAL SURVEY OF CANADA OPEN FILE 58: MICROFILM AND CHART.

1477

NO AUTHORS CITED 1970. THE UNDERWAY GEOPHYSICAL DATA OBTAINED BY C.S.S. HUDSON IN THE BEAUFORT SEA IN AUGUST AND SEPTEMBER 1970. GEOLOGICAL SURVEY OF CANADA OPEN FILE 60. 256 P.

1478

NO AUTHORS CITED 1974. GEOCHEMICAL DATA: BAIE DES CHALEURS. GEOLOGICAL SURVEY OF CANADA OPEN FILE 243: .

1479

NORDCO LTD., [FADER, G.B.], [BARCHARD, W.] 1985. REPORT ON STUDY OF RESIDUAL TOXICITY AND DEBRIS ON HIBERNIA P-15, B-08 AND K-18 WELLSITES. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1127. 1V. & 3 CHARTS.

PRESENTS THE RESULTS OF AN OERD FUNDED PROJECT BY ENVIRONMENT CANADA, TO ASSESS THE PHYSICAL DEBRIS AT THE SEABED AND THE TRACE METAL CONTENT AND HYDROCARBON CONTENT OF SEABED SEDIMENT AND THE BENTHIC INFAUNA. RESULTS INDICATE ONLY LOCAL EFFECTS.

1480

NORFORD, B.S., BARSS, M.S., BRIDEAUX, W.W., CHAMNEY, T.P., FRITZ, W.H., HOPKINS, W.S., JR., JELETZKY, J.A., PEDDER, A.E.H., UYENO, T.T. 1971. BIOSTRATIGRAPHIC DETERMINATIONS OF FOSSILS FROM THE SUBSURFACE OF THE YUKON TERRITORY AND THE DISTRICT OF MACKENZIE. GEOLOGICAL SURVEY OF CANADA PAPER 71-15. 25P.

CONTRIBUTION OF AGES BASED ON SPORES FROM TWO WELLS FROM YUKON TERRITORY; AGES ARE FROM CARBONIFEROUS TO CRETACEOUS.

1481

NORMARK, W.R., PIPER, D.J.W. 1969. DEEP-SEA FAN-VALLEYS, PAST AND PRESENT. GEOLOGICAL SOCIETY OF AMERICA BULLETIN 80(9): 1859-1866.

1482

NORMARK, W.R., PIPER, D.J.W. 1972. SEDIMENTS AND GROWTH PATTERN OF NAVY DEEP-SEA FAN, SAN CLEMENTE BASIN, CALIFORNIA BORDERLAND. JOURNAL OF GEOLOGY 80(2): 198-223.

1483

NORMARK, W.R., PIPER, D.J.W. 1984. NAVY FAN, CALIFORNIA BORDERLAND: GROWTH PATTERN AND DEPOSITIONAL PROCESSES. GEO-MARINE LETTERS 3(2/4): 101-108.

1484

NORMARK, W.R., PIPER, D.J.W., HESS, G.R. 1979. DISTRIBUTARY CHANNELS, SAND LOBES AND MESOTOPOGRAPHY OF NAVY SUBMARINE FAN, CALIFORNIA BORDERLAND, WITH APPLICATIONS TO ANCIENT FAN SEDIMENTS. SEDIMENTOLOGY 26(6): 749-774.

1485

NORMARK, W.R., PIPER, D.J.W., STOW, D.A.V. 1983. QUATERNARY DEVELOPMENT OF CHANNELS, LEVEES, AND LOBES ON MIDDLE LAURENTIAN FAN. AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS BULLETIN 67(9): 1400-1409.

1486

NORRIS, D.K., JANSA, L.F. 1971. GUIDEBOOK FOR G.S.A. FIELD TRIP NO. 1: CASCADE AND CROWS NEST COAL BASINS, MAY 10-12, 1971. BOULDER: GEOLOGICAL SOCIETY OF AMERICA. 67P.

1487

NORRIS, G., WILLIAMS, G.L. 1975. BIOSTRATGRAPHIC ZONATION OF THE SHELL ONEIDA 0-25 WELL, OFFSHORE NOVA SCOTIA [ABSTRACT]. IN: AMERICAN ASSOCIATION OF STRATIGRAPHIC PALYNOLOGISTS, PROCEEDINGS OF THE ANNUAL MEETING (6TH : 1973: ANAHEIM, CA). BATON ROUGE, LA: LOUISIANA STATE UNIVERSITY, SCHOOL OF GEOSCIENCE. P.158. (GEOSCIENCE AND MAN 11).

1488

OKEY, G.N., SHIH, K.G., GIROUARD, P., MACNAB, R. 1984. MARINE MAGNETOMETER DATA IN SOUTHERN DAVIS STRAIT. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1009. 42P. PLUS MAPS, ETC.

MAGNETIC DATA IN SOUTHERN DAVIS STRAIT ARE GIVEN IN DIGITAL FILE AS WELL AS IN CONTOUR MAPS AND PROFILE MAPS AT A SCALE OF 1:250, 000. THERE ARE 23 CONTOUR MAPS AND 23 PROFILE MAPS.

1489

OGG, J.G., ROBERTSON, A.H.F., JANSA, L.F. 1983. JURASSIC SEDIMENTATION HISTORY OF SITE 534 (WESTERN NORTH ATLANTIC) AND OF THE ATLANTIC-TETHYS SEAWAY. IN: INITIAL REPORTS OF THE DEEP SEA DRILLING PROJECT, [BY] R.E. SHERIDAN, F.M. GRADSTEIN, ET AL. WASHINGTON: U.S. GOVERNMENT PRINTING OFFICE. V.76: 829-884.

DURING DRILLING OF SITE 534, THE OLDEST SEDIMENTS DEPOSITED IN THE NORTH AMERICAN BASIN WERE PENETRATED. THE PAPER DESCRIBES THEIR COMPOSITION AND DEPOSITIONAL CONDITIONS, AND COMPARES THEM WITH SIMILAR KNOWN DEPOSITS FROM EUROPE AND EASTERN ASIA.

1490

OJO, S.B., JACKSON, H.R., DUCKWORTH, G.L. 1986. SHEAR WAVE CONSTRAINTS ON CRUSTAL STRUCTURE OF THE POLE ABYSSAL PLAIN. IN: POLAR GEOPHYSICS; PROCEEDINGS OF THE SYMPOSIUM POLAR GEOPHYSICS (1985 : TOKYO), EDS., G.L. JOHNSON AND K. KAMINUMA. JOURNAL OF GEODYNAMICS 6: 71-90.

P-WAVES CONSTRAINED BY CONVERTED SHEAR WAVES WERE USED TO DEVELOP MODELS OF THE CRUST OF THE ARCTIC OCEAN. THE MODELS SUGGEST THERE IS CONSIDERABLE LATERAL HETEROGENEITY IN STRUCTURE AND THAT THE THICKNESS OF THE CRUST (LAYER 2 AND 3) VARIES BETWEEN 3.2 AND 4.1 KM WHICH IS MUCH THINNER THAN AVERAGE OCEANIC CRUST.

1491

OWENS, E.H. 1972. ZONAL STUDIES OF THE COAST OF THE MARITIME REGION OF CANADA. IN: INTERNATIONAL GEOGRAPHICAL CONGRESS/CONGRES INTERNATIONALE GEOGRAPHIQUE (22ND : 1972 : MONTREAL). INTERNATIONAL GEOGRAPHY 1972/LA GEOGRAPHIE INTERNATIONALE 2. P. 1017-1018.

1492

OWENS, E.H. 1973. CLEANING OF GRAVEL BEACHES POLLUTED BY OIL. IN: PROCEEDINGS OF THE COASTAL ENGINEERING CONFERENCE (13TH : 1972 : VANCOUVER, B.C.). NEW YORK: AMERICAN SOCIETY OF CIVIL ENGINEERS. V.3: 2549-2556.

SEVERAL METHODS OF CLEANING GRAVEL BEACHES POLLUTED BY OIL ARE DISCUSSED. AT PRESENT NO TECHNIQUES ARE AVAILABLE WHICH CAN DO THE JOB EFFECTIVELY AND EFFICIENTLY WITHOUT THE USE OF DISPERSANTS.

1493

OWENS, E.H. 1974. A FRAMEWORK FOR THE DEFINITION OF COASTAL ENVIRONMENTS IN THE SOUTHERN GULF OF ST. LAWRENCE. IN: OFFSHORE GEOLOGY OF EASTERN CANADA: VOLUME 1 - CONCEPTS AND APPLICATIONS OF ENVIRONMENTAL MARINE GEOLOGY, ED., B.R. PELLETIER. GEOLOGICAL SURVEY OF CANADA PAPER 74-30(1): 47-76. (BIO CONTRIBUTION NO. 442).

THE COASTAL ENVIRONMENT OF THE SOUTHERN GULF OF ST. LAWRENCE IS DISCUSSED WITHIN THE CONTEXT OF A PROGRESSIVE SUBDIVISION OF COASTAL ZONE UNITS. THE SOUTHERN GULF IS DIVIDED INTO ELEVEN UNITS. ONE OF THESE UNITS THE NORTHEASTERN COAST OF NEW BRUNSWICK, IS DEFINED AND THE SEDIMENT TRANSPORT SYSTEMS WITHIN THIS SEGMENT ARE PRESENTED.

1494

OWENS, E.H. 1974. THE EFFECTS OF ICE IN THE LITTORAL ZONE OF THE SOUTHERN GULF OF ST. LAWRENCE [ABSTRACT]. IN: COLLOQUE INTERNACIONAL SUR L'ACTION GEOLOGIQUE DES GLACES FLOTTANTES (1ER : 1974 : STE-FOY, QUE.). STE-FOY, QUE.: INSTITUT NATIONAL DE LA RECHERCHE SCIENTIFIQUE. P.33.

REGULAR MONITORING OF A BARRIER BEACH IN A MICROTIDAL AREA (TIDAL RANGE

LESS THAN 1M) ON THE WEST COAST OF THE SOUTHERN GULF OF ST. LAWRENCE DURING THE WINTER OF 1973/74 PROVIDED DATA ON THE ICE MORPHOLOGY AND ON THE EFFECTS OF ICE IN THE LITTORAL ZONE. WAVE ACTION WAS LIMITED FOR A THREE-MONTH PERIOD DUE TO THE PRESENCE OF AN ICE-FOOT AND OF SEA-ICE IN THE ADJACENT NEARSHORE AREA. LITTLE SEDIMENT WAS REDISTRIBUTED BY THE EFFECTS OF ICE AND SEDIMENTARY FEATURES.

1495

OWENS, E.H. 1976. BARRIER BEACHES AND SEDIMENT TRANSPORT IN THE SOUTHERN GULF OF ST. LAWRENCE. IN: INTERNATIONAL CONFERENCE ON COASTAL ENGINEERING (14TH : 1974 : COPENHAGEN, DENMARK). NEW YORK: ASCE. P.1177-1195. (BIO CONTRIBUTION NO. 489).

THE MORPHOLOGY OF THE BARRIER ISLANDS OF THE SOUTHERN GULF OF ST. LAWRENCE IS DIRECTLY RELATED TO SHORELINE ORIENTATION AND THE SEDIMENT DISPERSAL PATTERN. THE BARRIERS ARE SUPPLIED WITH SEDIMENT FROM OFFSHORE AT THE PRESENT TIME.

1496

OWENS, E.H. 1976. COMPARISON OF COASTAL DYNAMICS ON WEST- AND EAST-FACING BEACHES IN MAGDALEN ISLANDS, GULF OF ST. LAWRENCE, CANADA [ABSTRACT]. AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS BULLETIN 60(4): 704-705.

1497

OWENS, E.H. 1977. PROCESSES AND MORPHOLOGY CHARACTERISTICS OF TWO BARRIER BEACHES IN THE MAGDALEN ISLANDS, GULF OF ST. LAWRENCE, CANADA. IN: PROCEEDINGS OF THE COASTAL ENGINEERING CONFERENCE (15TH : 1976 : HONOLULU, HAWAII). NEW YORK: AMERICAN SOCIETY OF CIVIL ENGINEERS. V.2: 1975-1991.

1498

OWENS, E.H. 1977. TEMPORAL VARIATIONS IN BEACH AND NEARSHORE DYNAMICS. JOURNAL OF SEDIMENTARY PETROLOGY 47(1): 168-190. (BIO CONTRIBUTION NO. 629).

CONTRASTING LEVELS OF WAVE ENERGY AND DIFFERENCES IN THE TEMPORAL VARIATION OF ENERGY LEVELS ON THE WEST AND EAST-FACING BARRIER BEACHES OF THE MAGDALEN ISLANDS RESULT IN DISTINCTLY DIFFERENT BEACH AND NEARSHORE MORPHOLOGY CHARACTERISTICS.

1499

OWENS, E., DRAPEAU, G. 1973. CHANGES IN BEACH PROFILES AT CHEDABUCTO BAY, NOVA SCOTIA, FOLLOWING LARGE-SCALE REMOVAL OF SEDIMENTS. CANADIAN JOURNAL OF EARTH SCIENCES 10(8): 1226-1232. (BIO CONTRIBUTION NO. 375).

1500

OWENS, E.H., FROBEL, D.H. 1977. RIDGE AND RUNNEL SYSTEMS IN THE MAGDALEN ISLANDS, QUEBEC. JOURNAL OF SEDIMENTARY PETROLOGY 47(1): 191-198. (BIO CONTRIBUTION NO. 630).

AN IMPROVEMENT OF THE RIDGE AND RUNNEL MODEL IS PROVIDED BY THE EXPLANATION OF THE PROCESSES BY WHICH SEDIMENT IS RETURNED TO THE ERODED BEACH IN THE IMMEDIATE POST-STORM PERIOD. TWO RIDGE SYSTEMS ARE

IDENTIFIED, ONE IN THE BREAKER ZONE, THE OTHER IN THE SWASH ZONE.

1501

OWENS, E.H., RASHID, M.A. 1976. COASTAL ENVIRONMENTS AND OIL SPILL RESIDUES IN CHEDABUCTO BAY, NOVA SCOTIA. CANADIAN JOURNAL OF EARTH SCIENCES 13(7): 908-928. (BIO CONTRIBUTION NO. 603).

THE GEOGRAPHIC DISTRIBUTION AND THE NATURE OF WEATHERING OF OIL SPILT FROM THE TANKER ARROW IN 1970 IS DISCUSSED IN TERMS OF THE DIFFICULT COASTAL ENVIRONMENTS IN CHEDABUCTO BAY.

1502

OWENS, E.H., TAYLOR, R.B., MILES, M., FORBES, D.L. 1981. COASTAL GEOLOGY MAPPING: AN EXAMPLE FROM THE SVERDRUP LOWLAND, DISTRICT OF FRANKLIN. GEOLOGICAL SURVEY OF CANADA PAPER 81-1B: 39-48.

1503

O'CONNOR, M.J., MACLEOD, N.R., BLASCO, S.M. 1980. SOME CHARACTERISTICS OF THE SURFICIAL SEDIMENTS IN THE MACKENZIE DELTA REGION OF THE SOUTHERN BEAUFORT SEA. IN: PROCEEDINGS, CANADIAN CONFERENCE ON MARINE GEOTECHNICAL ENGINEERING (1ST : 1979 : CALGARY), ED., W.J. EDEN. MONTREAL: CANADIAN GEOTECHNICAL SOCIETY. P.67-78.

ALTHOUGH THE STRATIGRAPHY OF SURFICAL SEDIMENTS OFF THE MACKENZIE DELTA REGION IS RELATIVELY SIMPLE, WITH FINE-GRAINED SEQUENCES INCREASING WITH DISTANCE FROM SHORE, THE GEOTECHNICAL PROPERTIES VARY WIDELY INCLUDING SOME WIDESPREAD AREAS OF OVERCONSOLIDATION, DISCONTINUOUS PERMAFROST, AND LOCAL OCCURRENCES OF SENSITIVE SOILS.

1505

PANAGOS, A.G., PE, G.G., PIPER, D.J.W., KOTOPOULI, C.N. 1979. AGE AND STRATIGRAPHIC SUBDIVISION OF THE PHYLLITE SERIES, KROKEE REGION, PELOPONNESE, GREECE. NEUES JAHRBUCH FUR GEOLOGIE UND PALAONTOLOGIE, MONATSHEFTE 1979(3): 181-190.

1506

PARK, I., CLARKE, D.B., JOHNSON, J., KEEN, M.J. 1971. SEAWARD EXTENSION OF THE WEST GREENLAND TERTIARY VOLCANIC PROVINCE. EARTH AND PLANETARY SCIENCE LETTERS 10: 235-238.

1507

PARROTT, D.R. 1974. POTENTIAL FIELD MEASUREMENTS IN THE GULF OF MAINE - SACKVILLE 73-032 CRUISE. GEOLOGICAL SURVEY OF CANADA OPEN FILE 238. 99P. + MAGNETIC TAPE.

MAGNETIC AND BATHYMETRIC PROFILES AND BOTTOM GRAVITY MEASUREMENTS ARE PRESENTED AS OBSERVED ON BIO CRUISE SACKVILLE 73-032 IN THE GULF OF MAINE.

1508

PARROTT, D.R., CAMPANELLA, R.G., IMBER, B. 1987. SEACONE: A CONE PENETROMETER FOR USE WITH THE PISCES SUBMERSIBLE. PROCEEDINGS, THE OCEANS - AN INTERNATIONAL WORKPLACE 3: 1290-1294. (GEOLOGICAL SURVEY OF CANADA

CONTRIBUTION 22387).

A PROTOTYPE CONE PENETROMETER - THE SEACONE - WAS BUILT FOR USE WITH THE PISCES IV SUBMERSIBLE TO FACILITATE INVESTIGATION OF THE SEAFLOOR, ACROSS ICEBERG SCOURS AND IN SEDIMENTARY BEDFORMS FOR THE UNDRAINED SHEAR STRENGTH.

1509

PARROTT, D.R., DODDS, D.J., KING, L.H., SIMPKIN, P.G. 1980. MEASUREMENT AND EVALUATION OF THE ACOUSTIC REFLECTIVITY OF THE SEA FLOOR. CANADIAN JOURNAL OF EARTH SCIENCES 17(6): 722-737. (BIO CONTRIBUTION NO. 900).

THE EFFECT OF SEABED CHARACTER ON THE DISTRIBUTION OF ACOUSTIC ENERGY REFLECTED FROM THE SEABED WAS STUDIED USING THE HUNTEC DTS SYSTEM. THE ACOUSTIC REFLECTIVITY WAS CALCULATED, IN TWO TIME WINDOWS AND DISPLAYED AS CONTINUOUS PROFILES ALONGSIDE THE SEISMIC SECTION. MOST OF THE SURFICIAL GEOLOGY FORMATIONS ON THE SCOTIAN SHELF WERE SEEN TO HAVE A CHARACTERISTIC RANGE IN REFLECTIVITY.

1510

PARROTT, R. 1985. ACOUSTIC TECHNIQUES FOR MARINE GEOLOGICAL STUDIES. [ABSTRACT]. IN: HALIFAX '85; 16TH ANNUAL UNDERWATER MINING INSTITUTE; [PROGRAM AND ABSTRACTS](16TH : 1985 : HALIFAX). [S.L.: THE CONFERENCE]. P.

PROCESSING OF DATA FROM ACOUSTIC SOURCES WITH REPEATABLE AND CALIBRATED OUTPUT ALLOWS QUANTITATIVE MEASURES OF THE REFLECTION COEFFICIENT ACOUSTIC ATTENUATION AND SCATTERING PARAMETERS OF THE SEDIMENTS ON THE SEAFLOOR.

1511

PATRIAT, P., PINET, B., MARILLIER, F., TOMASSINO, A. 1986. EXPANDING SPREAD PROFILES ON THE AQUITAINE SHELF (ECORS LINE GS-84) [ABSTRACT]. EOS; TRANSACTIONS, AMERICAN GEOPHYSICAL UNION 67(16): 376.

THE EXPANDING SPREAD PROFILE GATHERED ON THE AQUITAINE SHELF TO COMPLEMENT THE 300 KM BY DEEP SEISMIC REFLECTION PROFILES HAVE BEEN ANALYZED BY TWO COMPLIMENTARY METHODS. THE TAU-P ANALYSIS ALLOWS TO DETERMINE THE VELOCITY DEPTH FUNCTION WITH ACCURACY IN THE SEDIMENTARY LAYERS WHILE THE DEEP REFLECTIONS ARE BEST FITTED BY WIDE ANGLE REFLECTION TRAVEL TIMES.

1512

PATTON, G.D. 1976. ESTUARINE SEDIMENTARY DYNAMICS IN THE MINAS BASIN, BAY OF FUNDY, NOVA SCOTIA. GEOLOGICAL SURVEY OF CANADA PAPER 76-1B: 25-29.

1513

PE- PIPER, G., JANSA, L.F. 1982. EARLY CRETACEOUS BASALTS OF THE SCOTIAN SHELF [ABSTRACT]. MARITIME SEDIMENTS AND ATLANTIC GEOLOGY 18(1): 53.

1514

PE- PIPER, G., JANSA, L.F. 1983. CRETACEOUS INTRA-PLATE VOLCANICITY ON THE SOUTHEAST CANADIAN CONTINENTAL MARGIN [ABSTRACT]. GEOLOGICAL ASSOCIATION

OF CANADA/MINERALOGICAL ASSOCIATION OF CANADA/CANADIAN GEOPHYSICAL UNION PROGRAM WITH ABSTRACTS 8: A54.

1515

PE- PIPER, G., JANSKA, L.F. 1986. TRIASSIC OLIVINE-NORMATIVE DIABASE FROM NORTHUMBERLAND STRAIT, EASTERN CANADA: IMPLICATIONS FOR CONTINENTAL RIFTING. CANADIAN JOURNAL OF EARTH SCIENCES 23(7): 1013-1021.

THE BASALTS IN THE UPPER UNIT IN THE FINA F-25 OFFSHORE WELL REPRESENT FIRST DOCUMENTATION OF OCEANIC THOLEIITES RELATED TO THE INCIPIENT RIFTING IN EASTERN CANADA. THEY PROVIDE EVIDENCE FOR GEOCHEMICAL EVOLUTION OF RIFT RELATED IGNEOUS ACTIVITY. GEOLOGIC MODEL WHICH EXPLAINS ORIGIN AND CHARACTER OF THE ENIGMATIC SEISMIC LAYER WITH P VELOCITIES OF 7.2 KM/SEC IS PRESENTED. THE LAYER IS SOLIDIFIED BLISTER OF FRACTIONATED UPPER MANTLE INJECTED INTO LOWER CONTINENTAL CRUST DURING EARLY RIFTING.

1516

PE- PIPER, G., MACDONALD, A., BONER, F., BLANK, M., PIPER, D.J.W. 1985. PRECAMBRIAN GEOLOGY OF THE WESTERN COBEQUID HILLS [ABSTRACT]. IN: TECTONIC MODELS FOR THE EVOLUTION OF THE APPALACHIAN REGION; ABSTRACTS, ATLANTIC GEOSCIENCE SOCIETY 1985 SYMPOSIUM. MARITIME SEDIMENTS AND ATLANTIC GEOLOGY 21(1/3): 34.

THE JEFFERS BROOK FORMATION HAS BEEN REMAPPED. A COMPLEX SERIES OF LATE PRE-CAMBRIAN IGNEOUS EVENTS HAVE BEEN DEFINED.

1517

PE- PIPER, G., PANAGOS, A.G., PIPER, D.J.W., KOTOPOULI, C.N. 1982. THE (?) MID TRIASSIC VOLCANIC ROCKS OF LAKONIA, GREECE. GEOLOGICAL MAGAZINE 119 (1): 77-85.

1518

PE- PIPER, G., PIPER, D.J.W. 1979. PLIO-PLEISTOCENE AGE OF HIGH-POTASSIUM VOLCANISM IN THE NORTHWESTERN PART OF THE HELLENIC ARC. TSCHERMAKS MINERALOGISCHE UND PETROGRAPHISCHE MITTEILUNGEN 26(3): 163-165.

1519

PE- PIPER, G., PIPER, D.J.W. 1984. TECTONIC SETTING OF THE MESOZOIC PINDOS BASIN OF THE PELOPONNESE, GREECE. IN: THE GEOLOGICAL EVOLUTION OF THE EASTERN MEDITERRANEAN, ED., J.E. DIXON AND A.H.F. ROBERTSON. OXFORD: BLACKWELL SCIENTIFIC PUBLICATIONS. P.563-567. (GEOLOGICAL SOCIETY OF LONDON SPECIAL PUBLICATION 17).

1520

PE- PIPER, G., PIPER, D.J.W. 1985. LATE-CENOZOIC CLAYS AND CLIMATIC CHANGE IN THE POST-OROGENIC LAKONIA GRABEN, SOUTHERN GREECE. NEUES JAHRBUCH FUER MINERALOGIE ABHANDLUNGEN 151(3): 301-313.

1521

PE, G.G., PIPER, D.J.W. 1972. VOLCANISM AT SUBDUCTION ZONES; THE AEGEAN AREA. GEOLOGICAL SOCIETY OF GREECE BULLETIN 9(2): 133-144.

1522

PE, G.G., PIPER, D.J.W. 1975. TEXTURAL RECOGNITION OF MUDFLOW DEPOSITS. SEDIMENTARY GEOLOGY 13: 303-306.

1523

PEDDY, C., KEEN, C. 1987. DEEP SEISMIC REFLECTION PROFILING: HOW FAR HAVE WE COME?. GEOPHYSICS, THE LEADING EDGE OF EXPLORATION 6(6): 22-24, 49. (GEOLOGICAL SURVEY OF CANADA CONTRIBUTION 16187) A REPORT OF THE DEEP CONTINENTAL REFLECTION PROFILING MEETING HELD IN CAMBRIDGE, U.K. 1986.

1523.1

PELLETIER, B. 1970. MANUSCRIPT MAP SHOWING THICKNESS OF MUD IN BEAUFORT SEA USING CANADIAN HYDROGRAPHIC SERVICE CHART 7080 AT A SCALE OF 1:500,000 AS A BASE MAP. GEOLOGICAL SURVEY OF CANADA OPEN FILE 126: 1 MAP.

1524

PELLETIER, B.R. 1973. A RE-EXAMINATION OF THE USE OF THE SILT/CLAY RATIOS AS INDICATORS OF SEDIMENTARY ENVIRONMENTS: A STUDY FOR STUDENTS. MARITIME SEDIMENTS 9(1): 1-12.

THE SILT/CLAY RATIO IS EXAMINED FOR ENVIRONMENTAL INTERPRETATION AND IS RELATED DIRECTLY TO BATHYMETRY, DISTANCE FROM SHORE, HYDRODYNAMIC VIGOUR AND MEAN GRAIN SIZE.

1525

PELLETIER, B.R. 1974. SEDIMENTARY TEXTURES AND RELATIVE ENTROPY AND THEIR RELATIONSHIP TO THE HYDRODYNAMIC ENVIRONMENT BAY OF FUNDY SYSTEM. IN: OFFSHORE GEOLOGY OF EASTERN CANADA: VOLUME 1 - CONCEPTS AND APPLICATIONS OF ENVIRONMENTAL MARINE GEOLOGY, ED., B.R. PELLETIER. GEOLOGICAL SURVEY OF CANADA PAPER 74-30(1): 77-95. (BIO CONTRIBUTION NO. 443).

CLASTIC RATIOS, MOMENT MEASURES AND RELATIVE ENTROPY WERE DETERMINED FOR 467 BOTTOM SEDIMENTS AND APPLIED TO AN INTERPRETATION OF HYDRODYNAMIC VIGOUR IN A SEDIMENTARY ENVIRONMENT IN ORDER TO EXPLAIN THE TRANSVERSE AND SUB-TRANSVERSE DISTRIBUTION OF SEDIMENTS ACROSS THE BAY OF FUNDY.

1526

PELLETIER, B.R., BUCKLEY, D.E. 1974. THE DEVELOPMENT OF ENVIRONMENTAL MARINE GEOLOGY AT THE BEDFORD INSTITUTE OF OCEANOGRAPHY. IN: OFFSHORE GEOLOGY OF EASTERN CANADA: VOLUME 1 - CONCEPTS AND APPLICATIONS OF ENVIRONMENTAL MARINE GEOLOGY, ED., B.R. PELLETIER. GEOLOGICAL SURVEY OF CANADA PAPER 74-30(1): 1-45. (BIO CONTRIBUTION NO. 441).

AN ACCOUNT OF ENVIRONMENTAL MARINE GEOLOGY AS PRACTISED AT THE BEDFORD INSTITUTE BY ITS FORMER AND PRESENT STAFF IS GIVEN, AS WELL AS THE HISTORICAL ACCOUNT OF ITS DEVELOPMENT.

1527

PELLETIER, B.R., BUCKLEY, D.E. 1984. DISTRIBUTION OF MAJOR ELEMENTS = REPARTITION DES ELEMENTS MAJEURS. IN: MARINE SCIENCE ATLAS OF THE BEAUFORT SEA; SEDIMENTS = ATLAS DES SCIENCES MARINES DE LA MER DE

BEAUFORT; SEDIMENTS, ED./REDACTEUR, B.R. PELLETIER. GEOLOGICAL SURVEY OF CANADA MISCELLANEOUS REPORT = COMMISSION GEOLOGIQUE DU CANADA RAPPORT DIVERS 38: PLATES 19-21.

1528

PELLETIER, B.R., BUCKLEY, D.E. 1984. DISTRIBUTION OF TRACE ELEMENTS = REPARTITION DES OLIGO-ELEMENTS. IN: MARINE SCIENCE ATLAS OF THE BEAUFORT SEA; SEDIMENTS = ATLAS DES SCIENCES MARINES DE LA MER DE BEAUFORT; SEDIMENTS, ED./REDACTEUR, B.R. PELLETIER. GEOLOGICAL SURVEY OF CANADA MISCELLANEOUS REPORT = COMMISSION GEOLOGIQUE DU CANADA RAPPORT DIVERS 38: PLATES 22-26.

1529

PELLETIER, B.R., BUCKLEY, D.E. 1984. STATISTICAL ANALYSIS OF GEOCHEMICAL AND SEDIMENTARY DATA = ANALYSE STATISTIQUE DES DONNEES GEOCHIMIQUES ET SEDIMENTAIRES. IN: MARINE SCIENCE ATLAS OF THE BEAUFORT SEA; SEDIMENTS = ATLAS DES SCIENCES MARINES DE LA MER DE BEAUFORT; SEDIMENTS, ED./REDACTEUR, B.R. PELLETIER. GEOLOGICAL SURVEY OF CANADA MISCELLANEOUS REPORT = COMMISSION GEOLOGIQUE DU CANADA RAPPORT DIVERS 38: PLATE 27.

1530

PELLETIER, B.R., LEWIS, C.F.M., MEAGHER, L. (MAP COMP.) 1984. SEDIMENTATION RATES OF RECENT SOFT SEDIMENTS = VITESSES DE SEDIMENTATION DES SEDIMENTS TENDRES D'ORIGINE RECENTE. IN: MARINE SCIENCE ATLAS OF THE BEAUFORT SEA; SEDIMENTS = ATLAS DES SCIENCES MARINES DE LA MER DE BEAUFORT; SEDIMENTS, ED./REDACTEUR, B.R. PELLETIER. GEOLOGICAL SURVEY OF CANADA MISCELLANEOUS REPORT = COMMISSION GEOLOGIQUE DU CANADA RAPPORT DIVERS 38: PLATE 10.

1531

PELLETIER, B.R., ROSS, D.I., KEEN, C.E., KEEN, M.J. 1975. GEOLOGY AND GEOPHYSICS OF BAFFIN BAY. IN: OFFSHORE GEOLOGY OF EASTERN CANADA: VOLUME 2 - REGIONAL GEOLOGY, ED., W.J.M. VAN DER LINDEN AND J.A. WADE. GEOLOGICAL SURVEY OF CANADA PAPER 74-30(2): 247-258. (BIO CONTRIBUTION NO. 567).

1532

PELLETIER, B.R., SHEARER, J.M. 1972. SEA BOTTOM SCOURING IN THE BEAUFORT SEA OF THE ARCTIC OCEAN. IN: INTERNATIONAL GEOLOGICAL CONGRESS (24TH : 1972 : MONTREAL), SECTION 8, MARINE GEOLOGY AND GEOPHYSICS. MONTREAL: THE CONFERENCE. P.251-261. (BIO CONTRIBUTION NO. 286).

SIDE SCAN SONAR HAS REVEALED LINEAR GROOVES, ORIENTED AT 110 DEGREES AVERAGE AZIMUTH, ON THE BEAUFORT SEA FLOOR AND ARE THOUGHT TO BE ICE SCOUR FEATURES.

1533

PELLETIER, B.R., VILKS, G. 1976. [BOOK REVIEW OF MARINE GEOLOGY AND OCEANOGRAPHY OF THE ARCTIC SEAS ED., Y. HERMAN]. GEOSCIENCE CANADA 3(1): 61.

THE REVIEW ARTICLES IN OCEANOGRAPHY, TECTONISM AND GLACIATION ARE COMPREHENSIVE, BOTH IN THE GEOGRAPHICAL AND CONCEPTUAL SENSE.

1534

PELLETIER, B.R., WAGNER, F.J.E., GRANT, A.C. 1968. MARINE GEOLOGY. IN: SCIENCE, HISTORY AND HUDSON BAY, ED., C.S. BEALS. OTTAWA: DEPARTMENT OF ENERGY, MINES AND RESOURCES. V.2:557-613.

REPORT ON A SEISMIC PROFILER SURVEY (ABOUT 2000KM) COMPLETED AS PART OF THE HUDSON BAY CRUISE OF 1965. THESE DATA, COMBINED WITH BATHYMETRIC AND SAMPLING DATA, WERE THE BASIS FOR MAPPING THE LIMIT OF PALEOZOIC STRATA IN HUDSON BAY, AND OBSERVED DIPS ALONG THE RADIAL LINES OF COVERAGE DEFINED THE BASINAL STRUCTURE OF THESE ROCKS.

1535

PEMBERION, G.S., RISK, M.J., BUCKLEY, D.E. 1976. SUPERSHRIMP: DEEP BIOTURBATION IN THE STRAIT OF CANSO, NOVA SCOTIA. SCIENCE 192(4241): 790-791. (BIO CONTRIBUTION NO. 583).

THE DEEP BURROWING SHRIMP AXIUS SERRATUS HAS BEEN DETERMINED TO BE ONE OF THE MOST SIGNIFICANT BIOTURBATORS IN THE STRAIT OF CANSO AREA.

1536

PEMBERION, S.G., RISK, M.J., BUCKLEY, D.E. 1975. DEEP BIOTURBATION BY BURROWING SHRIMPS IN THE STRAIT OF CANSO: A PRELIMINARY REPORT [ABSTRACT]. GEOLOGICAL SOCIETY OF AMERICA, ABSTRACTS WITH PROGRAMS 7(6): 836-837.

1537

PEREIRA, C.P.G., MACKO, S.A., PIPER, D.J.W., ET AL 1987. PRELIMINARY ORGANIC ISOTOPIC GEOCHEMISTRY AND SEDIMENTOLOGICAL RESULTS FROM ODP LEG 113 CORES FROM THE WEDDELL SEA, ANTARCTICA [ABSTRACT]. GEOLOGICAL SOCIETY OF AMERICA, ABSTRACTS WITH PROGRAMS 19(7): 802.

RELATES ORGANIC ISOTOPES TO ENVIRONMENTAL CHANGE AND IRD FLUX.

1538

PEREIRA, C.P.G., PIPER, D.J.W., MACKO, S.A. 1986. MARINE GEOLOGY OF THE SOUTHERN FLEMISH PASS, EAST OF NEWFOUNDLAND, CANADA [ABSTRACT]. IN: SEDIMENTS DOWN UNDER; INTERNATIONAL SEDIMENTOLOGICAL CONGRESS; ABSTRACTS (12TH : 1986 : CANBERRA). FYSHWICK, ACT: HIGHLAND PRESS. P.240.

1539

PEREIRA, C.P.G., PIPER, D.J.W., SHOR, A.N. 1985. SEAMARC I MIDRANGE SIDESCAN SONAR SURVEY OF FLEMISH PASS, EAST OF THE GRAND BANKS OF NEWFOUNDLAND. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1161. 23P. & 23 PHOTOS.

THIS OPEN FILE CONSISTS OF A SEAMARC I SIDESCAN MOSAIC OF PART OF WEST CENTRAL FLEMISH PASS, A DESCRIPTIVE TEXT, AND ILLUSTRATIONS OF SIDESCAN, HUNTEC AND ECHOSOUNDER RECORDS. TWO ICEBERG SCOUR POPULATIONS ARE VISIBLE ON THE SLOPE. SCARPS AND MASS FLOW DEPOSITS OF PROBABLE MID-WISCONSINAN AGE ARE MANTLED BY YOUNGER SEDIMENT.

1540

PERROTT, T., HARPER, J., HILL, P., BLASCO, S. 1984. THE ANALYSIS OF LANDSAT MSS

DATA FOR CHARACTERIZING SEDIMENT DISPERSAL IN THE BEAUFORT SEA. IN: ACTES DU 8E SYMPOSIUM CANADIEN DE TELEDETECTION = PROCEEDINGS OF THE 8TH CANADIAN SYMPOSIUM ON REMOTE SENSING, [ET] 4E CONGRES DE L'ASSOCIATION QUEBECOISE DE TELEDETECTION (1983 : MONTREAL, QUE.), ED., K.P.B. THOMSON, F. BONN. SAINTE-FOY, QUE.: L'ASSOCIATION QUEBECOISE DE TELEDETECTION; CANADIAN REMOTE SENSING SOCIETY. P.283-291.

LANDSAT MSS SCENES WERE ANALYSED USING THE CHROMATICITY NORMALIZATION TECHNIQUE AND BAY OF FUNDY REFERENCE DATA FOR CALIBRATION. THE METHOD ALLOWED A QUANTITATIVE EVALUATION OF SUSPENDED SEDIMENT CONCENTRATIONS IN THE HIGHLY VARIABLE MACKENZIE RIVER SURFACE PLUME.

1541

PE-PIPER, G., JANSA, L.F. 1986. GEOCHEMISTRY OF CRETACEOUS IGNEOUS ROCKS ON THE EASTERN NORTH AMERICAN MARGIN [ABSTRACT]. GEOLOGICAL ASSOCIATION OF CANADA/MINERALOGICAL ASSOCIATION OF CANADA/CANADIAN GEOPHYSICAL UNION, PROGRAM WITH ABSTRACTS 11: 113.

GEOCHEMICAL STUDY OF IGNEOUS ROCKS OCCURRING FROM GRAND BANKS SOUTHWARD TO BALTIMORE CANYON TROUGH SHOW THAT THE ROCKS ARE ALL ALKALI BASALTS OF INTRA-PLATE ORIGIN. REE ANALYSIS SUGGEST PRESENCE OF TWO CONTRASTING IGNEOUS PROVINCES UNDERLYING THE OUTER CONTINENTAL MARGIN OF EASTERN NORTH AMERICA.

1543

PE-PIPER, G., JANSA, L.F. 1987. GEOCHEMISTRY OF LATE MIDDLE JURASSIC-EARLY CRETACEOUS IGNEOUS ROCKS ON THE EASTERN NORTH AMERICAN MARGIN. GEOLOGICAL SOCIETY OF AMERICA BULLETIN 99(6): 803-813. (GEOLOGICAL SURVEY OF CANADA CONTRIBUTION 31286).

GEOCHEMICAL STUDY OF LATE JURASSIC -CRETACEOUS IGNEOUS ROCKS ENCOUNTERED DURING OIL EXPLORATION OF THE EASTERN NORTH AMERICAN MARGIN SHOW THAT THE ROCKS ARE DOMINATED BY ALKALINE BASALTS. THESE ROCKS ARE CONCENTRATED INTO TWO DISTINCT TIME WINDOWS AND CORRELATED TO MAJOR PLATES READJUSTMENTS IN THE NORTH ATLANTIC. GEOCHEMICAL STUDY PROVED THAT THE MARGIN IS UNDERLAIN BY TWO DISTINCT MANTLES.

1544

PE-PIPER, G., PIPER, D.J.W. 1987. THE PRE-CARBONIFEROUS ROCKS OF THE WESTERN COBEQUID HILLS, AVALON ZONE, NOVA SCOTIA. MARITIME SEDIMENTS AND ATLANTIC GEOLOGY 23: 41-48. (GEOLOGICAL SURVEY OF CANADA CONTRIBUTION NO. 37986).

THE JEFFERS FORMATION COMPRISES VOLCANIC ROCKS AND INTERBEDDED VOLCANOGENIC TURBIDITES, IN A STRATIGRAPHIC SUCCESSION SIMILAR TO THAT IN THE ANTIGONISH HIGHLANDS. HYPABYSSAL INTRUSIONS OF VARIOUS AGES ARE DESCRIBED. SILURIAN ROCKS ARE OF LESSER EXTENT THAN PREVIOUSLY MAPPED.

1545

PE-PIPER, G., PIPER, D.J.W. 1986. DETAILED GEOLOGICAL MAPS OF THE WESTERN COBEQUID HILLS, CUMBERLAND COUNTY, NOVA SCOTIA. NOVA SCOTIA DEPARTMENT OF MINES AND ENERGY OPEN FILE 7. 32P. & 9 MAPS.

1:5000 AND 1:10, 000 MAPS SHOWING LITHOLOGIC CHARACTER OF THE HADRYNIAN JEFFERS FORMATION AND ASSOCIATED PLUTONS.

1546

PE-PIPER, G., PIPER, D.J.W. 1986. HADRYNIAN AND LOWER PALAEOZOIC GEOLOGY OF THE WESTERN COBEQUID HILLS [ABSTRACT]. IN: CURRENT RESEARCH IN THE ATLANTIC PROVINCES; ABSTRACTS, ATLANTIC GEOSCIENCE SOCIETY 1986 COLLOQUIUM. MARITIME SEDIMENTS AND ATLANTIC GEOLOGY 22(2): 197.

1547

PE-PIPER, G., PIPER, D.J.W. 1986. LARGE MAFIC INTRUSIONS IN DEVONO-CARBONIFEROUS GRANITES ALONG THE COBEQUID FAULT [ABSTRACT]. IN: CURRENT RESEARCH IN THE ATLANTIC PROVINCES; ABSTRACTS, ATLANTIC GEOSCIENCE SOCIETY 1986 COLLOQUIUM. MARITIME SEDIMENTS AND ATLANTIC GEOLOGY 22(2): 197-198.

1548

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PRESENTS NUMERICAL ESTIMATES OF LONGSHORE SEDIMENT TRANSPORT AND NEARSHORE PROFILE ADJUSTMENT FOR 6 BEAUFORT COASTAL SITES. INCLUDES INVESTIGATION

OF PLANFORM EVOLUTION AT KING POINT WITH AND WITHOUT A STRUCTURE; OFFSHORE WAVE CLIMATES FOR 7 SITES BASED ON 14-YEAR PARAMETRIC HINDCASTS; AND INSHORE WAVE CLIMATES COMPUTED USING 2-D SPECTRAL TRANSFER TECHNIQUES WITH ALLOWANCE FOR SHALLOW WATER SPECTRAL SATURATION.

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PINET, B., MONTADERT, L., ECORS SCIENTIFIC PARTY, MARILLIER, F., [ET AL.] 1986. ECORS MARINE EXPERIMENTS ALONG THE AQUITAINE SHELF (BAY OF BISCAY) [ABSTRACT]. EOS; TRANSACTIONS, AMERICAN GEOPHYSICAL UNION 67(16): 376.

A COMPLETE SEISMIC STUDY OF THE AQUITAINE SHELF INVOLVING DEEP REFLECTION PROFILING AND EXPANDING SPREAD PROFILES, ALLOWED US TO SAMPLE THE CRUST ALONG THE SHELF WHICH INCLUDES THE DEEP SEDIMENTARY PARENTIS BASIN. THE CANTABRIA MARGIN IS SHOWN TO BE AFFECTED BY THE PYRENEAN OROGENY, THE RIFTED PARENTIS BASIN OR A VERY THIN CRUST AND THE ARMORICAN MARGIN CONTAINS EVIDENCE OF A MORE NORTHERLY LOCATED SUTURE.

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PINET, B., MONTADERT, L., ECORS SCIENTIFIC PARTY, [MARILLIER, F.] 1987. DEEP SEISMIC REFLECTION AND REFRACTION PROFILING ALONG THE AQUITAINE SHELF (BAY OF BISCAY). GEOPHYSICAL JOURNAL OF THE ROYAL ASTRONOMICAL SOCIETY 89: 305-312. (GEOLOGICAL SURVEY OF CANADA CONTRIBUTION NO.47286).

A 30 KM DEEP REFLECTION SEISMIC PROFILE HAS BEEN GATHERED ALONG THE AQUITAINE SHELF AND ASSOCIATED WITH A EXPANDING SPREAD PROFILES; VERTICAL REFLECTION WAS ALSO RECORDED ALONG THESE PROFILES. THE DEEP STRUCTURE OF THE CRUST AND OF THE PARENTIS BASIN IS SHOWN TO EXPERIENCE MAJOR VARIATIONS ALONG THE MARGIN.

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PIPER, D.J.W. 1972. SEDIMENTARY ENVIRONMENTS AND PALAEOGEOGRAPHY OF THE LATE LLANDOVERY AND EARLIEST WENLOCK OF NORTH CONNEMARA, IRELAND. JOURNAL OF THE GEOLOGICAL SOCIETY OF LONDON 128(1): 33-51.

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PIPER, D.J.W., PORRITT, C.J. 1966. SOME PINGOS IN SPITSBERGEN. NORSK POLARINSTITUTT ARBOK 1965: 81-84.

1621

PIPER, D.J.W., SCHRADER, H.J. 1973. BIOTURBATION OF SEDIMENTS. IN: INITIAL REPORTS OF THE DEEP SEA DRILLING PROJECT, L.D. KULM, R. VON HUENE, ET AL. WASHINGTON: U.S. GOVERNMENT PRINTING OFFICE. V.18:869-875.

1622

PIPER, D.J.W., SHOR, A., FARRE, J. 1984. SAND OR GRAVEL WAVES AND MASS FAILURES GENERATED BY THE 1929 GRAND BANKS EARTHQUAKE: A SEAMARC I SURVEY [ABSTRACT]. IN: ATLANTIC GEOSCIENCE SOCIETY COLLOQUIUM ON CURRENT RESEARCH IN THE ATLANTIC PROVINCES (1984 : AMHERST, N.S.), ABSTRACTS. [S.L.]: THE COLLOQUIUM. P.105. (MARITIME SEDIMENTS AND ATLANTIC GEOLOGY 20(2)).

1623

PIPER, D.J.W., SHOR, A.S., FARRE, J. 1984. THE PROXIMAL PART OF THE 1929 GRAND BANKS TURBIDITE [ABSTRACT]. GEOLOGICAL ASSOCIATION OF CANADA/MINERALOGICAL ASSOCIATION OF CANADA, PROGRAM WITH ABSTRACTS 9: 97.

SEA MARC SURVEY SHOWS FRESH MORPHOLOGY REMITTING FROM THE 1929 SLUMP - TURBIDITY CURRENT EVENT. SLIDE SCARS PASS DOWNSLOPE INTO LINEATED EROSIONAL VALLEY FLOOR AND THEN GRAVEL WAVE FIELDS. THE TURBIDITY CURRENT APPEARS TO HAVE BEEN ABOUT 300M THICK.

1624

PIPER, D.J.W., SHOR, A.N., FARRE, J.A., O'CONNELL, S., JACOBI, R. 1985. SEDIMENT SLIDES AND TURBIDITY CURRENTS ON THE LAURENTIAN FAN: SIDESCAN SONAR INVESTIGATIONS NEAR THE EPICENTER OF THE 1929 GRAND BANKS EARTHQUAKE. GEOLOGY 13(8): 538-541.

MUCH OF THE SEABED WITHIN 30 KM OF THE EPICENTRE OF THE 1929 GRAND BANKS EARTHQUAKE IS SLUMPED. GRAVEL WAVES IN THE EASTERN VALLEY OF THE LAURENTIAN FAN WERE FORMED BY THE ASSOCIATED TURBIDITY CURRENT.

1625

PIPER, D.J.W., SHOR, A.N., HUGHES CLARK, J. 1985. THE 1929 GRAND BANKS EARTHQUAKE, SLUMP AND TURBIDITY CURRENT [ABSTRACT]. GEOLOGICAL SOCIETY OF AMERICA, ABSTRACTS WITH PROGRAMS 17(7): 690.

1626

PIPER, D.J.W., SHOR, A.N., HUGHES-CLARKE, J.E., MAYER, L.A. 1987. A GIANT FLUTE-LIKE SCOUR FORMED BY THE 1929 GRAND BANKS TURBIDITY CURRENT. GEOLOGICAL ASSOCIATION OF CANADA/MINEROLOGICAL ASSOCIATION OF CANADA ANNUAL MEETING, ABSTRACTS 12: 81.

A DEEP SCOUR WAS CUT BY THE 1929 TURBIDITY CURRENT AND EXPOSES THE GRAVEL BODY DEPOSITED DURING THE EVENT.

1627

PIPER, D.J.W., SLATT, R.M. 1977. LATE QUATERNARY CLAY-MINERAL DISTRIBUTION ON THE EASTERN CONTINENTAL MARGIN OF CANADA. GEOLOGICAL SOCIETY OF AMERICA

BULLETIN 88(2): 267-272.

1628

PIPER, D.J.W., SPARKES, R. 1986. SHALLOW SEDIMENT INSTABILITY IN THE CENTRAL PART OF FLEMISH PASS, EAST OF THE GRAND BANKS OF NEWFOUNDLAND. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1368: 29P.

THIS REPORT CONSISTS OF A DESCRIPTION AND INTERPRETATION OF SEISMIC REFLECTION PROFILES FROM THE WESTERN MARGIN OF FLEMISH PASS, AND A SERIES OF ILLUSTRATIONS OF SEISMIC PROFILES.

1629

PIPER, D.J.W., SPARKES, R. 1987. PROGLACIAL SEDIMENT INSTABILITY FEATURES ON THE SCOTIAN SLOPE AT 63 DEGREES W. MARINE GEOLOGY 76: 15-31.

THE SCOTIAN SLOPE AT 63 W HAS SHALLOW MUD DIAPYRISM, SHALLOW SLUMPS, DEBRIS FLOWS, AND WIDESPREAD GULLYING. THE LATE QUATERNARY EVOLUTION OF THE AREA IS DESCRIBED AND INTERPRETED.

1630

PIPER, D.J.W., SPARKES, R., FARRE, J.A., SHOR, A. 1983. MID-RANGE SIDESCAN AND 4.5 KHZ SUBBOTTOM PROFILER SURVEY OF MASS-MOVEMENT FEATURES, SCOTIAN SLOPE AT 61 DEGREES 40 W. GEOLOGICAL SURVEY OF CANADA OPEN FILE 938. 31P.

1631

PIPER, D.J.W., SPARKES, R., MOSHER, D.C., SHOR, A.N., FARRE, J.A. 1985. SEABED INSTABILITY NEAR THE EPICENTRE OF THE 1929 GRAND BANKS EARTHQUAKE. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1131. 55P.

THIS OPEN FILE CONSISTS OF A SIDESCAN SONAR MOSAIC AT 1:200, 000 OF ABOUT 5000 KM² OF CONTINENTAL SLOPE OFF THE LAURENTIAN CHANNEL AND ST. PIERRE BANK, AROUND THE EPICENTRE OF THE 1929 GRAND BANKS EARTHQUAKE, TOGETHER WITH A SHORT INTERPRETATIVE TEXT AND ILLUSTRATIONS.

1632

PIPER, D.J.W., STOW, D.A.V., NORMARK, W.R. 1984. THE LAURENTIAN FAN: SOHM ABYSSAL PLAIN. GEO-MARINE LETTERS 3(2/4): 141-146.

1633

PIPER, D.J.W., TAYLOR, R.B., RICKETTS, P. 1985. COASTAL GEOLOGY AND SCENERY, SOUTH SHORE, NOVA SCOTIA [COASTAL AND MARINE GEOLOGY OF THE SOUTH SHORE, NOVA SCOTIA]: [FIELD TRIP A] - ARCTIC LAND-SEA INTERACTION; ARCTIC WORKSHOP (14TH : 1985 : [BEDFORD INSTITUTE OF OCEANOGRAPHY, DARIMOUTH, N.S.]). [DARIMOUTH, N.S.: THE WORKSHOP]. 40P. (GEOLOGICAL SURVEY OF CANADA OPEN FILE 1322).

FIELD GUIDES WERE PREPARED FOR THREE LOCAL EXCURSIONS HELD IN CONJUNCTION WITH THE 14TH ARCTIC WORKSHOP NOV. 6-8, 1985. THIS FIELD GUIDE INCLUDES BACKGROUND GLACIAL, MARINE AND COASTAL GEOLOGY FOR THE AREA BETWEEN HALIFAX HARBOUR AND GREEN BAY. SEVEN STOP DESCRIPTIONS ARE PROVIDED FOR ONE-DAY TRIP.

1634

PIPER, D.J.W., VON HUENE, R., DUNCAN, J.R. 1973. LATE QUATERNARY SEDIMENTATION IN THE ACTIVE EASTERN ALEUTIAN TRENCH. GEOLOGY 1(1): 19-22.

1635

PIPER, D.J.W., WIGHTMAN, D.M., LEWIS, J.F., DWYER, G.J.T. 1975. LATE QUATERNARY GEOLOGY OF NAIN BAY, LABRADOR. MARITIME SEDIMENTS 11(2): 53-54.

1636

PIPER, D.J.W., WILSON, E., VILKS, G., MUDIE, P.J., WAGNER, F.J.E. 1984. SURFICIAL GEOLOGY OF THE UPPER SCOTIAN SLOPE WEST OF VERRILL CANYON. GEOLOGICAL SURVEY OF CANADA OPEN FILE 939. 39P. & 30P. OF FIGURES.

DEBRIS FLOWS, VALLEYS AND GULLIES HAVE BEEN MAPPED BY SPARKER PROFILES AND SAMPLED BY PISTON CORING. THE DEBRIS FLOWS WERE TRIGGERED BY A LARGE EARTHQUAKE 5000 - 12000 YEARS AGO.

1637

PLASSE, D.J. 1975. SECULAR VARIATION OF THE GEOMAGNETIC FIELD FROM PUGWASH MUD; A PRELIMINARY INVESTIGATION. GEOLOGICAL SURVEY OF CANADA OPEN FILE 601. 65P.

1638

PLASSE, D.J. 1976. A REPORT ON THE PALEOMAGNETISM OF TWO CORES OF PUGWASH MUD TAKEN FROM THE NORTHUMBERLAND STRAIT - CONTRACT NO. 650718. GEOLOGICAL SURVEY OF CANADA OPEN FILE 602. 58P. 1639 PLASSE, D.J., SCHAFER, C.T. 1976. DETECTION OF HOLOCENE SECULAR VARIATION IN THE GEOMAGNETIC FIELD USING MARINE SEDIMENT CORES FROM GEORGES BAY [ABSTRACT]. MARITIME SEDIMENTS 12(3): 106.

PALEOMAGNETIC INCLINATION AND INTENSITY SIGNALS RECORDED IN HOLOCENE MARINE SEDIMENTS MAY BE USEFUL AS A STRATIGRAPHIC CORRELATION TOOL.

1640

PLAYFORD, G., BARSS, M.S. 1963. UPPER MISSISSIPPIAN MICROFLORA FROM AXEL HEIBERG ISLAND, DISTRICT OF FRANKLIN. GEOLOGICAL SURVEY OF CANADA PAPER 62-36. 5P.

FIRST PALEONTOLOGICAL EVIDENCE FOR EXISTENCE OF MISSISSIPPIAN STRATA IN THE CANADIAN ARCTIC: SPECIFIC COMPOSITION OF THE MICROFLORA IS DOCUMENTED AND THE AFFILIATION WITH SPORE FLORULES KNOWN FROM OTHER REGIONS IS INDICATED.

1641

PODROUZEK, A.J., BELL, J.S. 1985. SCOTIAN SHELF IN-SITU STRESS REGIME INTERPRETED FROM OIL WELL DATA [ABSTRACT]. IN: TECTONIC MODELS FOR THE EVOLUTION OF THE APPALACHIAN REGION; ABSTRACTS, ATLANTIC GEOSCIENCE SOCIETY 1985 SYMPOSIUM. MARITIME SEDIMENTS AND ATLANTIC GEOLOGY 21(1/3): 35.

THE SCOTIAN SHELF IS ANISOTROPICALLY STRESSED IN A STRESS REGIME WHERE

SHMAX >SV > SHMIN AND SHMAX IS ORIENTED NE-SW, ACCORDING TO DRILLING RECORDS OF OFFSHORE WELLS AND ANALYSIS OF BOREHOLE BREAKOUTS.

1642

PODROUZEK, A.J., BELL, J.S. 1985. STRESS ORIENTATIONS FROM WELLBORE BREAKOUTS ON THE SCOTIAN SHELF, EASTERN CANADA. GEOLOGICAL SURVEY OF CANADA PAPER 85-1B: 59-62.

WELLBORE BREAKOUTS FROM 38 SCOTIAN SHELF WELLS INDICATE THAT THE LARGER HORIZONTAL STRESS IS ORIENTED NE-SW IN THE SCOTIAN BASIN AND OVER THE LEHAVE PLATFORM. IN-SITU STRESSES MAY BE DIFFERENTLY DIRECTED IN PARTS OF THE ORPHEUS GRABEN.

1643

POLEY, D.F., LAWTON, D.C. 1985. ACQUISITION AND PROCESSING OF HIGH RESOLUTION REFLECTION SEISMIC DATA FROM PERMAFROST AFFECTED AREAS OF THE CANADIAN PART OF THE BEAUFORT SEA. GEOLOGICAL SURVEY OF CANADA PAPER 85-1A: 491-498.

AN ASSESSMENT OF THE ACQUISITION AND PROCESSING TECHNIQUES APPLIED TO SHALLOW HIGH RESOLUTION SEISMIC REFLECTION DATA HAS BEEN INITIATED. RESULTS OF SOURCE SIGNATURE TESTS, DATA PROCESSING AND IMPLEMENTATION OF A RAY TRACING-AMPLITUDE PROGRAM SUGGESTS CURRENT ACQUISITION USE OF LONG ARRAYS AND STANDARD CDP STACKING TECHNIQUES ARE INAPPROPRIATE FOR AREAS WITH SEVERE SHALLOW VELOCITY ANISOTROPY.

1644

POLEY, D.F., LAWTON, D.C., BLASCO, S.M. 1985. AMPLITUDE-OFFSET RELATIONSHIPS OVER SHALLOW VELOCITY INVERSIONS. JOURNAL OF THE CANADIAN SOCIETY OF EXPLORATION GEOPHYSICISTS 21(1): 30-39.

NUMERICAL MODELLING AND RAY TRACING ANALYSES SHOW THAT THE AMPLITUDE AND PHASE OF REFLECTED SIGNALS ON HIGH RESOLUTION SHALLOW MULTICHANNEL SEISMIC DATA VARY SIGNIFICANTLY WITH OFFSET BETWEEN SOURCE AND RECEIVER WHEN STRONG VELOCITY INVERSIONS ARE PRESENT. AS A RESULT NORMAL CDP STACKING TECHNIQUES DEGRADE REFLECTION DATA QUALITY AND VELOCITY ANALYSES BASED ON COHERENCY MEASURES RESULT IN THE INCORRECT SELECTION OF STACKING VELOCITIES.

1645

POTYONDY, S.M. 1986. GEOLOGICAL AND GEOTECHNICAL PROPERTIES OF SEDIMENTS OFFSHORE RICHARDS ISLAND, BEAUFORT SEA. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1370: 92P.

THIS REPORT CORRELATES THE GEOLOGIC FACIES MODEL WITH THE GEOTECHNICAL PROPERTIES OF SEDIMENTS OFFSHORE RICHARDS ISLAND IN THE BEAUFORT SEA, TO ASSIST IN DEFINING THE BOTTOM SEDIMENT CHARACTERISTICS OF THE BEAUFORT SEA.

1646

PRAEG, D.B. 1982. SEAFLOOR RELIEF - BAFFIN ISLAND SHELF. GEOLOGICAL SURVEY OF CANADA OPEN FILE 862. 5 P., 4 CHARTS.

1647

PRAEG, D.B., MACLEAN, B. 1984. QUATERNARY SEDIMENTS OF SOUTHEAST BAFFIN SHELF [ABSTRACT]. IN: ATLANTIC GEOSCIENCE SOCIETY COLLOQUIUM ON CURRENT RESEARCH IN THE ATLANTIC PROVINCES (1984 : AMHERST, N.S.), ABSTRACTS. [S.L.]: THE COLLOQUIUM. P.90-91. (MARITIME SEDIMENTS AND ATLANTIC GEOLOGY 20(2)).

FOUR MAIN SEDIMENT UNITS HAVE BEEN DELINEATED AND INFORMALLY NAMED: BAFFIN SHELF DRIFT, CUMBERLAND SILT, KAXODLUTM SILT AND CLAY, LADY FRANKLIN SOUND SAND AND GRAVEL. MORAINES AND MULTIPLE TILLS INDICATED GROUNDED GLACIAL ICE EXTENDED ONTO CONTINENTAL SHELF DURING THE PLEISTOCENE. REPEATED ADVANCES AND RETREATS OCCURRED IN SOME LOCALITIES. PRESENT SEABED SEDIMENT SURFACE REFLECTS MODIFICATION BY CURRENT WINNOWING AND ICEBERG SCOURING.

1648

PRAEG, D.B., MACLEAN, B. 1984. SURFICIAL SEDIMENT DISTRIBUTION ON SOUTHEAST BAFFIN SHELF [ABSTRACT]. IN: ANNUAL ARCTIC WORKSHOP (13TH : 1984 : INSTITUTE OF ARCTIC AND ALPINE RESEARCH, BOULDER, CO). BOULDER, CO: THE WORKSHOP. P.26-27.

SURFICIAL SEDIMENTS OF SE BAFFIN SHELF HAVE BEEN DELINEATED ON BASIS OF ACOUSTIC PROFILES AND SAMPLES. FOUR MAIN UNITS RECOGNIZED ARE: GLACIAL DRIFT, PROGLACIAL SILT (ICE PROXIMAL ICE DISTAL) LATE WISCONSIN -HOLOCENE SILT AND CLAY, SAND AND GRAVEL. MODIFICATION BY ICEBURG SCOURING TO A DEPTH OF SEVERAL METRES HAS OCCURRED IN MANY AREAS AND THE SEDIMENT SURFACE REFLECTS WINNOWING BY BOTTOM CURRENTS.

1649

PRAEG, D.B., MACLEAN, B., HARDY, I.A., MUDIE, P.J. 1985. QUATERNARY GEOLOGY OF THE SOUTHEAST BAFFIN ISLAND CONTINENTAL SHELF, N.W.T. [POSTER]. IN: ARCTIC LAND-SEA INTERACTION; ARCTIC WORKSHOP (14TH : 1985 : BEDFORD INSTITUTE OF OCEANOGRAPHY, DARTMOUTH, N.S.), [COMP., G.M. VILKS AND J.P.M. SYVITSKI. DARTMOUTH, N.S.: THE WORKSHOP]. P.217. (GEOLOGICAL SURVEY OF CANADA OPEN FILE 1223).

THE QUATERNARY SEDIMENTS OF THE SOUTHEAST SHELF HAVE BEEN STUDIED USING ACOUSTIC AND SAMPLE DATA. FOUR UNITS HAVE BEEN DEFINED AND INFORMALLY NAMED: BAFFIN ISLAND DRIFT, DAVIS STRAIT SILT, TINIKTARTUG SILT AND CLAY, RESOLUTION ISLAND LAG.

1650

PRAEG, D.B., MACLEAN, B., HARDY, I., MUDIE, P.J. 1986. QUATERNARY GEOLOGY OF THE SOUTHEAST BAFFIN ISLAND CONTINENTAL SHELF. GEOLOGICAL SURVEY OF CANADA PAPER 85-14. 38P. & 1 MAP.

1651

PRAEG, D., MACLEAN, B., PIPER, D.J.W., SHOR, A.N. 1987. STUDY OF ICEBERG SCOURS ACROSS THE CONTINENTAL SHELF AND SLOPE OFF SOUTHEAST BAFFIN ISLAND USING THE SEA MARC I MIDRANGE SIDESCAN SONAR. GEOLOGICAL SURVEY OF CANADA PAPER 87-1A: 847-857.

VARIATIONS IN THE ABUNDANCE, ORIENTATION, SIZE AND CHARACTER OF ICEBERG SCOURS SUGGEST DIVISION OF THE SCoured SEABED INTO 4 ZONES. THE MAXIMUM DEPTH OF SCOUR ON THE UPPER CONTINENTAL SLOPE IS 715M. MOST OR ALL SCOURS OBSERVED ARE RELICT, DATING FROM AN EPISODE OF GREATER ICEBERG DRAFTS IN THE LATE FOXE OR EARLY HOLOCENE. THE CONTINENTAL SLOPE BELOW 715M IS LARGELY FEATURELESS, EXCEPT ACROSS THE GJOA SPUR WHERE MASS MOVEMENT LINEATIONS AND PONDED SEDIMENTS ARE OBSERVED.

1652

PRAEG, D.B., SHOR, A.N., MACLEAN, B., PIPER, D.J.W. 1987. SEA MARC I SIDESCAN SONAR SURVEY LINE ACROSS THE SOUTHEAST BAFFIN SLOPE, NORTHWEST LABRADOR SEA. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1254. 14P. & 9 PHOTOS.

THIS OPEN FILE REPORT PRESENTS THE RESULTS OF A 280 KM LONG, 5 KM SWATH WIDTH SEA MARC I SIDESCAN SONAR SURVEY LINE RUN ACROSS WATER DEPTHS OF 300- 2000 M OFF SOUTHEASTERN BAFFIN ISLAND (LATITUDE 62 20'N). THE REPORT CONTAINS (1) PHOTO REPRODUCTIONS OF THE SONOGRAMS, AT 1:40, 000 SCALE, (2) HAND-DRAWN INTERPRETATIONS, INCLUDING BATHYMETRY, AND (3) A DESCRIPTIVE TEXT.

1653

PRAEG, D.B., SYVITSKI, J.P.M., ASPREY, K., CURRIE, R., HEIN, F., MILLER, A., SHERIN, A., STANDEN, G. 1988. REPORT ON CSS DAWSON CRUISE 87-023 IN THE GULF OF ST. LAWRENCE. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1678. 84 P.

1270 KM OF GEOPHYSICAL LINES (AIRGUN, HUNTEC, SIDESCAN, 12 KHZ), 17 PISTON CORE STATIONS, 60 NEARSHORE GRABS AND ONSHORE SAMPLES, AND 8 FLOC CAMERA STATIONS WERE COLLECTED IN THE AREAS OF THE ST. LAWRENCE ESTUARY, SEPT ISLES, AND ISLE D'ANTICOSTI TO BAIE DES CHALEURS. THE REPORT DISCUSSES FIELD METHODS, DOCUMENTS THE GEOPHYSICAL RECORDS AND SAMPLE INFORMATION, AND PRESENTS THE RESULTS OF GEOTECHNICAL ANALYSES, CORE DESCRIPTIONS AND FORAMINIFERAL ANALYSES CONDUCTED ONBOARD IN 2 APPENDICES.

1654

PRAEG, D.B., SYVITSKI, J.P.M., SCHAFER, C.T., JOHNSTON, B.L., HACKETT, D.W. 1987. CSS DAWSON 86-016 CRUISE REPORT OF THE BAIE-ST-PAUL, SAGUENAY RIVER AND BAIE DES CHALEURS REGIONS. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1412: 45 P.

DURING CSS DAWSON OPERATION IN THE ST. LAWRENCE SEAWAY FROM JUNE 16 TO JULY 6, 1986, NEARLY 2300 LINE-KMS OF SEISMICS (INCLUDING AIRGUN, HUNTEC DTS, IKU AND KLEIN SIDESCAN, AND 12KHZ) AND 100 WATER AND SEDIMENT SAMPLES (GRABS LEHIGH AND PISTON CORES) AS WELL AS PHOTOGRAPHIC DATA ON THE WATER COLUMN AND SEABED, WERE COLLECTED. AREAS SURVEYED INCLUDED THE CHARLEVOIX DELTAS, SAGUENARY FJORD, LOWER ST. LAWRENCE ESTUARY, GASPE OFFSHORE, AND BAIE DES CHALEUR.

1655

PRAKASH, A., JENSEN, A., RASHID, M.A. 1975. HUMIC SUBSTANCES AND AQUATIC PRODUCTIVITY. IN: HUMIC SUBSTANCES, THEIR STRUCTURE AND FUNCTION IN THE BIOSPHERE, ED., D. POVOLEDO AND H.L. GOLTERMAN. WAGENINGE: CENTRE FOR

AGRICULTURAL PUBLISHING AND DOCUMENTATION. P.259-268.

THE PAPER ELUCIDATES THE ROLE OF HUMIC ACID IN CHELATION OF METALS, SOLUBILITY OF INSOLUBLE SALTS, DELAYED PRECIPITATION OF NUTRITIONALLY IMPORTANT ANIONS AND CATIONS AND THEIR IMPACT ON ENRICHMENT OF NATURAL WATERS LEADING TO INCREASED AQUATIC PRODUCTION.

1656

PRAKASH, A., RASHID, M.A., JENSEN, A., SUBBA RAO, D.V. 1973. INFLUENCE OF HUMIC SUBSTANCES ON THE GROWTH OF MARINE PHYTOPLANKTON: DIATOMS. LIMNOLOGY AND OCEANOGRAPHY 18(4): 516-524. (BIO CONTRIBUTION NO. 407).

THE HUMIC COMPOUNDS EXTRACTED FROM DECOMPOSED MARINE ALGAE AND FROM MANGROVE LEACHATES SHOWED STIMULATORY EFFECT ON THE GROWTH OF DIATOMS.

1657

PROCTER, R.M., TAYLOR, G.C., WADE, J.A. 1984. OIL AND NATURAL GAS RESOURCES OF CANADA 1983. GEOLOGICAL SURVEY OF CANADA PAPER 83-31. 59P. ALSO ISSUED AS GEOLOGICAL SURVEY OF CANADA OPEN FILE REPORT 966.

1658

PROTHERO, W.A., JR., REID, I. 1982. MICROEARTHQUAKES ON THE EAST PACIFIC RISE AT 21 DEGREES N AND THE RIVERA FRACTURE ZONE. JOURNAL OF GEOPHYSICAL RESEARCH 87(B10): 8509-8518.

1659

PROTHERO, W.A., REID, I., REICHLER, M.S., BRUNE, J.N. 1976. OCEAN BOTTOM SEISMIC MEASUREMENTS ON THE EAST PACIFIC RISE AND RIVERA FRACTURE ZONE. NATURE 262(5564): 121-124.

1660

PURCELL, L.P., RASHID, M.A., HARDY, I.A. 1978. HYDROCARBON GEOCHEMISTRY OF THE SCOTIAN BASIN. IN: PROCEEDINGS, OFFSHORE TECHNOLOGY CONFERENCE (10TH : 1978 : HOUSTON). [S.L.]: THE CONFERENCE. V.1: 87-95. (BIO CONTRIBUTION NO. 806).

IN THE SABLE AND ABENAKI SUBBASINS OF THE SCOTIAN BASIN, THE ORGANIC CARBON CONTENT IS SUFFICIENT FOR HYDROCARBON GENERATION. THE ABSENCE OF GOOD SOURCE ROCKS RESULTS FROM THE TERRESTRIAL NATURE OF THE ORGANIC MATERIAL AND ITS IMMATURETY, AS INDICATED BY VISUAL KEROGEN STUDIES, LIGHT GAS ANALYSES AND C₂D₁₅+ EXTRACT DATA. SUCH CONDITIONS EXPLAIN THE THICK MARGINALLY MATURE ZONE WHICH IS CHARACTERIZED BY SHOWS OF GAS, CONDENSATE AND LIGHT OILS, IN CONTRAST TO THE MORE NORMAL SEQUENCE

1661

PURCELL, L.P., RASHID, M.A., HARDY, I.A. 1979. GEOCHEMICAL CHARACTERISTICS OF SEDIMENTARY ROCKS IN THE SCOTIAN BASIN. AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS BULLETIN 63(1): 87-105. (BIO CONTRIBUTION NO. 839).

A DETAILED DOCUMENTATION OF THE PETROLEUM SOURCE ROCK ASSESSMENT FOR THE SCOTIAN BASIN, BASED ON GEOCHEMICAL ANALYSES OF EXPLORATION WELLS. THE RESULTS INDICATE THAT THE SOURCE ROCK POTENTIAL FOR GAS IN THE SECTION

THUS FAR PENETRATED IS ONLY POOR TO FAIR, WHILE THE POTENTIAL FOR OIL GENERATION IS POOR. DEEPER PROSPECTS IN THE SCOTIAN BASIN COULD HAVE GOOD POTENTIAL FOR OIL, AS WELL AS THE MORE MARINE CRETACEOUS ROCKS TO THE SOUTHEAST, TOWARD THE SHELF EDGE AND UPPER SLOPE.

1662

PURCELL, L.P., UMPLEBY, D.C., WADE, J.A. 1980. REGIONAL GEOLOGY AND HYDROCARBON OCCURRENCES OFF THE EAST COAST OF CANADA. IN: FACTS AND PRINCIPLES OF WORLD PETROLEUM OCCURRENCE, ED., A.D. MIALL. CALGARY: CANADIAN SOCIETY OF PETROLEUM GEOLOGISTS. P.551-566. (CANADIAN SOCIETY OF PETROLEUM GEOLOGISTS MEMOIR 6) (BIO CONTRIBUTION NO. 988).

REVIEWS THE GEOLOGICAL SETTING OF THE MAJOR MESOZOIC-CENOZOIC SEDIMENTARY BASINS OF EASTERN CANADA, AND DISCUSSES THE HYDRO CARBON OCCURRENCE PARAMETERS AS DETERMINED FROM GEOCHEMISTRY AND SOURCE ROCK STUDIES.

1663

PURDY, G.M., SCHOUTEN, H., CROWE, J., BARRETT, D.L., FALCONER, R.K.H., UDINTSEV, G.B., MAROVA, N.A., LITVIN, V.M., VALYASHKO, G.M., MARKUSHEVICH, V.M., ZDORDVENIN, V.V. 1978. IPOD SITE AT-6 : A SITE SURVEY. IN: INITIAL REPORTS OF THE DEEP SEA DRILLING PROJECT, ED., J.D. SHAMBACK. WASHINGTON: U.S. GOVERNMENT PRINTING OFFICE. V.45: 39-48.

1664

QUINLAN, G., BEAUMONT, C., COURTNEY, R.C. 1983. LITHOSPHERIC RHEOLOGY AND THE FLEXURAL DEVELOPMENT OF PALEOZOIC INTERBASINAL ARCHES [ABSTRACT]. GEOLOGICAL ASSOCIATION OF CANADA/MINERALOGICAL ASSOCIATION OF CANADA/CANADIAN GEOPHYSICAL UNION PROGRAM WITH ABSTRACTS 8: A56.

1665

QUINLAN, G., KEEN, C.E., MARILLIER, F., STOCKMAL, G.S., COLMAN-SADD, S.P., O'BRIEN, S. 1987. DEEP SEISMIC REFLECTION CONSTRAINTS ON SEDIMENTARY BASIN EVOLUTION WITHIN THE GULF OF ST. LAWRENCE, EASTERN CANADA [ABSTRACT]. IN: INTERNATIONAL UNION OF GEODESY AND GEOPHYSICS GENERAL ASSEMBLY(19TH : 1987 : VANCOUVER), ABSTRACTS. INTERNATIONAL UNION OF GEODESY AND GEOPHYSICS (IUGG). P.189.

NEW DEEP SEISMIC REFLECTION DATA GATHERED IN THE GULF OF ST. LAWRENCE PROVIDE DEEP CRUSTAL CONSTRAINTS BENEATH THE MAGDALEN, ANTICOSTI, SYDNEY, AND ORPHENS GRAPEN BASINS.

1666

QUINN, F.J., VIGIER, L., POLEY, D.F., SIMPKIN, P.G. 1988. EVALUATION/CALIBRATION OF MARINE SOURCES FOR HIGH RESOLUTION SEISMIC STUDIES. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1520: 230 P; 22 SHEETS; 24.

PRESSURE SIGNATURES AND MULTICHANNEL SEISMIC PROFILES WERE OBTAINED FOR HIGH RESOLUTION SOURCES INCLUDING SMALL AIRGUN ARRAYS, WATERGUNS AND MINIFLEXICHOC. THE MINIFLEXICHOC AND 60IN3 WATERGUN HAS SIMILAR CHARACTERISTICS; THE 2 X 10 IN3 AIRGUN ARRAY HAD BEST AMPLITUDE/SPECTRAL CONTENT; THE WATERGUNS OFFERED THE BEST COMPROMISE BETWEEN RESOLUTION AND

PENETRATION; THE MINIFLEXICHOC WAS THE MOST RELIABLE AND LOGISTICALLY SIMPLIST TO OPERATE.

1667

RANCON, D., KULTPERS, A., AVROGRADRO, A., CRANSTON, R., FRANCIS, T.J.G., HEATH, G.R. 1981. SEDIMENT AND ROCK TASK GROUP. IN: PROCEEDINGS OF THE ANNUAL NEA-SEABED WORKING GROUP MEETING (6TH : 1981 : PARIS), ED., D.R. ANDERSON. ALBUQUERQUE, N.M.: PUBLISHED BY SANDIA NATIONAL LABORATORIES ON BEHALF OF OECD/NUCLEAR ENERGY AGENCY. P.169-180. AVAILABLE FROM: NTIS, SAND 8100427.

1668

RASHID, M.A. 1974. ABSORPTION OF METALS ON SEDIMENTARY AND PEAT HUMIC ACIDS. CHEMICAL GEOLOGY 13: 115-123. (BIO CONTRIBUTION NO. 412).

HUMIC ACIDS WERE FOUND EFFECTIVE IN ABSORPTION OF METAL THROUGH CHELATION AND CATION EXCHANGE REACTIONS. THIS PHENOMENON COULD OPEN A NEW AVENUE FOR THE RECOVERY OF TRACE METALS FROM SEA WATER BY USE OF PEAT-HUMIC ACID AS ABSORBENT.

1669

RASHID, M.A. 1974. DEGRADATION OF BUNKER C OIL UNDER DIFFERENT COASTAL ENVIRONMENTS OF CHEDABUCTO BAY, NOVA SCOTIA. ESTUARINE AND COASTAL MARINE SCIENCE 2: 137-144. (BIO CONTRIBUTION NO. 413).

THE COASTAL ENVIRONMENTAL CONDITIONS APPEAR TO HAVE MARKED INFLUENCE ON THE DEGRADATION OF OIL. A CONSIDERABLE REDUCTION IN HYDROCARBON CONTENT AND A PARALLEL INCREASE IN NON-HYDROCARBONS WAS NOTICE IN OIL BEING DEGRADED IN HIGH ENERGY COASTS.

1670

RASHID, M.A. 1974. HUMIC COMPOUNDS OF SEDIMENTARY ENVIRONMENT: THEIR CHEMICAL NATURE AND GEOCHEMICAL SIGNIFICANCE. IN: OFFSHORE GEOLOGY OF EASTERN CANADA: VOLUME 1 - CONCEPTS AND APPLICATIONS OF ENVIRONMENTAL MARINE GEOLOGY, ED., B.R. PELLETIER. GEOLOGICAL SURVEY OF CANADA PAPER 74-30(1): 123-132. (BIO CONTRIBUTION NO. 447).

THE CHEMICAL NATURE OF HUMIC COMPOUNDS ISOLATED FROM MARINE SEDIMENTS IS DISCUSSED. THE GEOCHEMICAL SIGNIFICANCE OF THESE COMPOUNDS IN SOLUBILITY MIGRATION AND ACCUMULATION OF TRACE METALS IS ELUCIDATED.

1671

RASHID, M.A. 1975. THE IMPORTANCE OF ORGANIC COMPOUNDS IN GEOLOGICAL OCEANOGRAPHY. BEDFORD INSTITUTE OF OCEANOGRAPHY BIENNIAL REVIEW 1973-74: 231-239.

THE SIGNIFICANCE OF MARINE ORGANIC COMPOUNDS IN RELATION TO SOLUBILITY OF METALS, GEOTECHNICAL PROPERTIES OF SEDIMENTS DEPOSITIONAL ENVIRONMENT, OIL AND FORMATION AND ECOLOGY OF COASTAL WATERS IS REVIEWED AND DISCUSSED.

1672

RASHID, M.A. 1978. THE INFLUENCE OF A SALT DOME ON THE DIAGENESIS OF ORGANIC

MATTER IN THE JEANNE D'ARC SUBBASIN OF THE NORTHEAST GRAND BANKS OF NEWFOUNDLAND. ORGANIC GEOCHEMISTRY 1(2): 67-77. (BIO CONTRIBUTION NO. 763).

1673

RASHID, M.A. 1979. PRISTANE-PHYTANE RATIOS IN RELATION TO SOURCE AND DIAGENESIS OF ANCIENT SEDIMENTS FROM THE LABRADOR SHELF. CHEMICAL GEOLOGY 25(1/2): 109-122. (BIO CONTRIBUTION NO. 842).

THE PRISTANE/PHYTANE RATIOS INCREASE WITH INCREASING TERRESTRIAL CONTRIBUTION AND GEOTHERMAL ALTERATION OF ORGANIC MATTER.

1674

RASHID, M.A. 1985. GEOCHEMISTRY OF MARINE HUMIC COMPOUNDS. NEW YORK: SPRINGER-VERLAG. 300P.

1675

RASHID, M.A., BROWN, J.D. 1975. INFLUENCE OF MARINE ORGANIC COMPOUNDS ON THE ENGINEERING PROPERTIES OF A REMOULDED SEDIMENT. ENGINEERING GEOLOGY 9(2): 141-154. (BIO CONTRIBUTION NO. 481).

VARIATIONS IN THE CONCENTRATION OF ORGANIC CONTENT SIGNIFICANTLY AFFECTED THE SHEAR STRENGTH, COMPRESSIBILITY AND RHEOLOGICAL OR TIME-DEPENDENT STRESS-STRAIN BEHAVIOUR OF SEDIMENTS.

1676

RASHID, M.A., BUCKLEY, D.E., ROBERTSON, K.R. 1972. INTERACTIONS OF A MARINE HUMIC ACID WITH CLAY MINERALS AND A NATURAL SEDIMENT. GEODERMA 8: 11-27. (BIO CONTRIBUTION NO. 303).

1677

RASHID, M.A., LEONARD, J.D. 1973. MODIFICATIONS IN THE SOLUBILITY AND PRECIPITATION BEHAVIOR OF VARIOUS METALS AS A RESULT OF THEIR INTERACTION WITH SEDIMENTARY HUMIC ACID. CHEMICAL GEOLOGY 11: 89-97. (BIO CONTRIBUTION NO. 355).

THE SEDIMENTARY HUMIC ACID OR THEIR HYDROLYSATE CONSISTING OF VARIOUS AMINO COMPOUNDS WERE FOUND EFFECTIVE IN ENHANCING THE SOLUBILITY OF METALS FROM THEIR INSOLUBLE SALTS AND IN RETARDING THE PRECIPITATION OF SOLUBLE METALS AS SULFIDES, HYDROXIDES AND CARBONATES. THUS THEY PLAY AN IMPORTANT ROLE IN SOLUBILITY, MOBILITY AND CONCENTRATION OF METALS.

1678

RASHID, M.A., MCALARY, J.D. 1977. EARLY MATURATION OF ORGANIC MATTER AND GENESIS OF HYDROCARBONS AS A RESULT OF HEAT FROM A SHALLOW PIERCEMENT SALT DOME. JOURNAL OF GEOCHEMICAL EXPLORATION 8: 549-569. (BIO CONTRIBUTION NO. 665).

THE SUBSURFACE GEOLOGY OF PRIMROSE PROSPECT IS CHARACTERIZED BY PRESENCE OF JURASSIC SALT THAT HAS PIERCED THE EARLY CRETACEOUS SEDIMENTS AND UPLIFTED LATE CRETACEOUS AND EARLY TERTIARY BEDS TO PROVIDE LOCALIZED STRUCTURAL CLOSURE, SHALE COMPACTION, AND ANOMALOUSLY HIGH HEAT GRADIENTS

IN THE YOUNGER SEDIMENTS OVERLYING THE SALT MASS.

1679

RASHID, M.A., PURCELL, L.P., HARDY, I.A. 1980. SOURCE ROCK POTENTIAL FOR OIL AND GAS OF THE EAST NEWFOUNDLAND AND LABRADOR SHELF AREAS. IN: FACTS AND PRINCIPLES OF WORLD PETROLEUM OCCURRENCE, ED., A.D. MIALL. CALGARY: CANADIAN SOCIETY OF PETROLEUM GEOLOGISTS. P.589-608. (CANADIAN SOCIETY OF PETROLEUM GEOLOGISTS MEMOIR 6).

1680

RASHID, M.A., REINSON, G.E. 1979. ORGANIC MATTER IN SURFICIAL SEDIMENTS OF THE MIRAMICHI ESTUARY, NEW BRUNSWICK, CANADA. JOURNAL OF ESTUARINE AND COASTAL MARINE SCIENCE 8(1): 23-36. (BIO CONTRIBUTION 729).

THE ORGANIC MATTER FOUND IN SURFICIAL SEDIMENTS OF MIRAMICHI ESTUARY IS DERIVED PREDOMINANTLY FROM A TERRESTRIAL SOURCE AND SHOWS A HIGH DEGREE OF CORRELATION WITH GRAIN SIZE DISTRIBUTION.

1681

RASHID, M.A., VILKS, G. 1977. ENVIRONMENTAL CONTROLS OF METHANE PRODUCTION IN HOLOCENE BASINS IN EASTERN CANADA. ORGANIC GEOCHEMISTRY 1(1): 53-59. (BIO CONTRIBUTION NO. 669).

FERMENTATIVE DEGRADATION OF ORGANIC MATTER UNDER REDUCING CONDITIONS GENERATES HIGH CONCENTRATION (<22, 000 PPM) OF METHANE IN HOLOCENE BASINS.

1682

RASHID, M.A., VILKS, G. 1977. GEOCHEMICAL ENVIRONMENT OF METHANE-PRODUCING SUBARCTIC SEDIMENTARY BASINS OF EASTERN CANADA. IN: PROCEEDINGS OF THE INTERNATIONAL MEETING ON ORGANIC GEOCHEMISTRY (7TH : 1975 : MADRID), ED., R. CAMPOS AND J. GONI. MADRID: EMPRESA NACIONAL ADARO DE INVESTIGACIONES MINERAS. P.341-356. (ADVANCES IN ORGANIC GEOCHEMISTRY 1975).

A STUDY OF THE GEOCHEMICAL ENVIRONMENT OF SEDIMENTARY BASINS SUGGESTS THAT METHANE IS FORMED IN RECENT SEDIMENTS BY ANAEROBIC FERMENTATIVE DEGRADATION OF ORGANIC MATTER.

1683

RASHID, M.A., VILKS, G., LEONARD, J.D. 1975. GEOLOGICAL ENVIRONMENT OF A METHANE-RICH RECENT SEDIMENTARY BASIN IN THE GULF OF ST. LAWRENCE. CHEMICAL GEOLOGY 15: 83-96. (BIO CONTRIBUTION NO. 475).

ENVIRONMENT FAVOURABLE FOR THE PRODUCTION OF METHANE IN RECENT SEDIMENTS IS DISCUSSED BY COMPARING THE ORGANIC GEOCHEMICAL AND FORAMINIFERAL CHARACTERISTICS OF TWO SEDIMENT CORES FROM BAIE DE CHALEURS.

1684

READSHAW, J.S., GLODOWSKI, C.W., CHARTRAND, D.M., WILLIS, D.H., BOWEN, A.J., PIPER, D., THIBAUT, J. 1987. A REVIEW OF PROCEDURES TO PREDICT ALONGSHORE SAND TRANSPORT., KRAUS, N.C. COASTAL SEDIMENTS '87, PROCEEDINGS, SPECIALTY CONFERENCE ON ADVANCES IN UNDERSTANDING OF COASTAL SEDIMENT PROCESSES 1: 738-755. (GEOLOGICAL SURVEY OF CANADA CONTRIBUTION

18387).

THE CANADIAN COASTAL SEDIMENT STUDY SHOWED THAT THERE ARE SERIOUS DEFICIENCIES IN OUR ABILITY TO MEASURE AND PREDICT ALONGSHORE SAND TRANSPORT PARTICULARLY WITH RESPECT TO OVERWATER WINDFIELD AND NEARSHORE WAVE CLIMATE. THE USE OF SOPHISTICATED TECHNIQUES IS THEREFORE OFTEN NOT JUSTIFIED.

1685

REICHLER, M., REID, I. 1977. DETAILED STUDY OF EARTHQUAKE SWARMS FROM THE GULF OF CALIFORNIA. SEISMOLOGICAL SOCIETY OF AMERICA BULLETIN 67(1): 159-171.

1686

REID, I. 1987. CRUSTAL STRUCTURE OF THE NOVA SCOTIAN MARGIN IN THE LAURENTIAN CHANNEL REGION. CANADIAN JOURNAL OF EARTH SCIENCES 24(9): 1859-1868. (GEOLOGICAL SURVEY OF CANADA CONTRIBUTION 43986).

A SEISMIC REFRACTION STUDY WAS DONE WITH AIRGUNS AND BOTTOM SEISMOMETERS. SEDIMENTS SHOW SUBSTANTIAL LATERAL VARIATION IN VELOCITY. BASEMENT AND MANTLE DEPTHS ARE AROUND 13 AND 24 KM RESPECTIVELY. AN INTERMEDIATE LAYER MAY BE PRESENT. THE STRUCTURE IS CONSISTENT WITH UNIFORM EXTENSION DURING RIFTING.

1687

REID, I., FALCONER, R.K.H. 1982. A SEISMICITY STUDY IN NORTHERN BAFFIN BAY. CANADIAN JOURNAL OF EARTH SCIENCES 19(7): 1518-1531.

DURING SEPTEMBER - OCTOBER 1978, SEISMICITY WAS CONFINED TO EITHER A ZONE OF SHALLOW (<10KM) EARTHQUAKES NEAR AND PARALLEL TO THE BAFFIN ISLAND COAST, PARTICULARLY NEAR CAPE JAMESON, OR WITHIN A DIFFUSE ZONE OF DEEPER EVENTS (50- 60KM) IN BAFFIN BAY.

1688

REID, I., JACKSON, H.R. 1981. OCEANIC SPREADING RATE AND CRUSTAL THICKNESS. MARINE GEOPHYSICAL RESEARCHES 5(2): 165-172.

1689

REID, I., KEEN, C. 1985. CRUSTAL STRUCTURE OF THE OCEAN-CONTINENT TRANSFORM BOUNDARY SOUTH OF THE NEWFOUNDLAND GRAND BANKS [ABSTRACT]. EOS; TRANSACTIONS, AMERICAN GEOPHYSICAL UNION 66(46): 956.

A DISCUSSION OF THE CRUSTAL STRUCTURE OF THIS TRANSFORM MARGIN, AND IMPLICATIONS FOR OTHER TRANSFORM MARGINS.

1690

REID, I., KEEN, C.E., EWING, J. 1983. CONTINUITY OF OCEANIC CRUST BENEATH A RIFTED CONTINENTAL MARGIN AND PARTIAL MELTING IN THE RIFTING PROCESS. EOS; TRANSACTIONS, AMERICAN GEOPHYSICAL UNION 64(45): 757.

1691

REID, I., MACDONALD, K. 1973. MICROEARTHQUAKE STUDY OF THE MID-ATLANTIC RIDGE NEAR 37 DEGREES N, USING SONOBUOYS. NATURE 246(5428): 88-90.

1692

REID, I., ORCUTT, J.A., PROTHERO, W.A. 1977. SEISMIC EVIDENCE FOR A NARROW ZONE OF PARTIAL MELTING UNDERLYING THE EAST PACIFIC RISE AT 21 DEGREES N. GEOLOGICAL SOCIETY OF AMERICA BULLETIN 88(5): 678-682.

1693

REID, I., PROTHERO, W.A. 1981. AN EARTHQUAKE SEQUENCE STUDIED WITH OCEAN-BOTTOM SEISMOGRAPHS. GEOPHYSICAL JOURNAL OF THE ROYAL ASTRONOMICAL SOCIETY 64(2): 381-391.

1694

REID, I., REICHLIE, M., BRUNE, J., BRADNER, H. 1973. MICROEARTHQUAKE STUDIES USING SONOBOUYS: PRELIMINARY RESULTS FROM THE GULF OF CALIFORNIA. GEOPHYSICAL JOURNAL OF THE ROYAL ASTRONOMICAL SOCIETY 34: 365-379.

1695

REID, I., KEEN, C.E. 1987. DEEP CRUSTAL STRUCTURE BENEATH EXTENSIONAL BASINS OF THE GRAND BANKS REGION [ABSTRACT]. EOS; TRANSACTIONS, AMERICAN GEOPHYSICAL UNION 68 (44): 1356.

MAJOR REFRACTION EXPERIMENTS WERE RUN IN 1986 AND 1987, TO COMPLEMENT MULTICHANNEL REFLECTION PROFILES. INITIAL INDICATIONS ARE THAT THERE IS COMPLEX LOWER CRUSTAL STRUCTURE, WITH DEEP MOHO, BENEATH THE SOUTHERN JEANNE D'ARC BASIN, WHILE THE CONTINENTAL CRUST OF THE WIDER ORPHAN BASIN IS THINNED.

1696

REID, I., TODD, B. 1987. DEEP CRUSTAL STRUCTURE BENEATH THE GRAND BANKS [ABSTRACT]. IN: INTERNATIONAL UNION OF GEODESY AND GEOPHYSICS GENERAL ASSEMBLY (19TH : 1987 : VANCOUVER), ABSTRACTS. INTERNATIONAL UNION OF GEODESY AND GEOPHYSICS(IUGG). P.69.

DETAILED DEEP CRUSTAL REFRACTION ON THE SOUTHERN GRAND BANKS GIVES A MAIN CRUSTAL LAYER OF 6.3KMS WITH A SLIGHT INCREASE IN THE LOWEST PART OF THE CRUST, MOHO IS AT 32 KM. THE RESULTS ARE IN GOOD AGREEMENT WITH NEARBY DEEP REFLECTION DATA.

1697

REINSON, G.E. 1976. CHANNEL AND SHOAL MORPHOLOGY IN THE ENTRANCE TO THE MIRAMICHI ESTUARY, NEW BRUNSWICK. GEOLOGICAL SURVEY OF CANADA PAPER 76-1C: 33-35.

1698

REINSON, G.E. 1976. SURFICIAL SEDIMENT DISTRIBUTION IN THE MIRAMICHI ESTUARY AND IMPLICATIONS FOR DREDGING. GEOLOGICAL SURVEY OF CANADA OPEN FILE 395. 23P.

1699

REINSON, G.E. 1976. SURFICIAL SEDIMENT DISTRIBUTION IN THE MIRAMICHI ESTUARY, NEW BRUNSWICK. GEOLOGICAL SURVEY OF CANADA PAPER 76-1C: 41-44.

1700

REINSON, G.E. 1976. TIDAL-INLET CONTROL ON DISTRIBUTION OF SANDY SEDIMENTS, MIRAMICHI ESTUARY, N.B. [ABSTRACT]. MARITIME SEDIMENTS 12(3): 99.

THE DISTRIBUTION OF SAND IN MIRAMICHI INNER BAY IS CONTROLLED LARGELY BY TIDAL CURRENT PROCESSES.

1701

REINSON, G.E. 1977. EXAMINATION OF BEDFORMS IN SHALLOW WATER USING SIDE-SCAN SONAR, MIRAMICHI ESTUARY, NEW BRUNSWICK. GEOLOGICAL SURVEY OF CANADA PAPER 77-1B: 99-105.

SIDE-SCAN SURVEY IN SHALLOW WATER OF THE MIRAMICHI ESTUARY PROVED USEFUL IN DETERMINING BEDFORM MORPHOLOGY.

1702

REINSON, G.E. 1977. TIDAL-CURRENT CONTROL OF SUBMARINE MORPHOLOGY AT THE MOUTH OF THE MIRAMICHI ESTUARY, NEW BRUNSWICK. CANADIAN JOURNAL OF EARTH SCIENCES 14(11): 2524-2532. (BIO CONTRIBUTION NO. 664).

SUBMARINE MORPHOLOGY AT THE MOUTH OF THE MIRAMICHI IS CONTROLLED PRIMARILY BY TIDAL CURRENTS AND THIS TIDAL CURRENT FLOW PATTERN HAS BEEN ALTERED SIGNIFICANTLY BY DREDGING.

1703

REINSON, G.E. 1978. CARBONATE-EVAPORITE CYCLES IN THE SILURIAN ROCKS OF SOMERSET ISLAND, ARCTIC CANADA. GEOLOGICAL SURVEY OF CANADA PAPER 76-10. 13P.

1704

REINSON, G.E. 1978. VARIATIONS IN TIDAL-INLET MORPHOLOGY AND STABILITY, EASTERN NEW BRUNSWICK [ABSTRACT]. MARITIME SEDIMENTS 14(1): 36.

1705

REINSON, G.E. 1979. ASSESSMENT OF THE NOVA SCOTIA COASTLINE FOR POTENTIAL IMPINGEMENT OF KURDISTAN OIL. GEOLOGICAL SURVEY OF CANADA OPEN FILE 631. 16P.

THIS REPORT CONTAINS ASSESSMENTS OF SECTORS OF THE ATLANTIC NOVA SCOTIA COAST, WHICH WERE PREPARED FOR E.P.S. TO USE DURING THE "KURDISTAN" INCIDENT.

1706

REINSON, G.E. 1979. FACIES MODELS 14. BARRIER ISLAND SYSTEMS. GEOSCIENCE CANADA 6(2): 51-68. (BIO CONTRIBUTION NO. 873).

BARRIER-ISLAND STRATIGRAPHIC SEQUENCES ARE REVIEWED, AND THREE FACIES MODELS PRESENTED FOR USE IN INTERPRETING ANCIENT ROCKS.

1707

REINSON, G.E. 1979. LONGITUDINAL AND TRANSVERSE BEDFORMS ON A LARGE TIDAL

DELTA, GULF OF ST. LAWRENCE, CANADA. MARINE GEOLOGY 31(3/4): 279-296.

HORSESHOE SHOAL AT THE MOUTH OF THE MIRAMICHI IS CHARACTERIZED BY A LARGE SAND- WAVE FIELD WHICH IS CUT BY A FIELD OF CURRENT LINEATIONS.

1708

REINSON, G.E. 1980. VARIATIONS IN TIDAL-INLET MORPHOLOGY AND STABILITY, NORTHEAST NEW BRUNSWICK. IN: THE COASTLINE OF CANADA, ED., S.B. MCCANN. GEOLOGICAL SURVEY OF CANADA PAPER 80-10: 23-39.

THE TIDAL INLETS IN NORTHEAST NEW BRUNSWICK DISPLAY WIDE VARIATIONS IN STABILITY AND MORPHOLOGY, WHICH ARE RELATED TO TIDAL-PRISM RANGE, ALIGNMENT OF SHORELINE AND SEDIMENT SUPPLY.

1709

REINSON, G.E. 1981. CANADA'S BARRIER ISLANDS. GEOS 10(1): 6-8.

BARRIER ISLANDS OF NORTHEAST NEW BRUNSWICK ARE EXTREMELY VARIED WITH RESPECT TO STABILITY AND MORPHOLOGICAL STYLE.

1710

REINSON, G. 1985. SENSITIVITY MAPPING OF NOVA SCOTIA COASTLINE. IN: THE KURDISTAN OIL SPILL OF MARCH 16-17, 1979: ACTIVITIES AND OBSERVATIONS OF THE BEDFORD INSTITUTE OF OCEANOGRAPHY RESPONSE TEAM, ED., J.H. VANDERMEULEN AND D.E. BUCKLEY. CANADIAN TECHNICAL REPORT OF HYDROGRAPHY AND OCEAN SCIENCES 35: 65-85.

1711

REINSON, G.E., FROBEL, D. 1980. EFFECTS OF DREDGING ACTIVITIES ON SHORELINE MORPHOLOGY AND STABILITY, NORTHEAST NEW BRUNSWICK. IN: CANADIAN COASTAL CONFERENCE , PROCEEDINGS = COMPTES-RENDUS, CONFERENCE CANADIENNE SUR LE LITTORAL (1980 : BURLINGTON, ONT.). OTTAWA: ASSOCIATE COMMITTEE FOR RESEARCH ON SHORELINE EROSION AND SEDIMENTATION, NATIONAL RESEARCH COUNCIL. P.394-410.

1712

REINSON, G.E., FROBEL, D., ROSEN, P.S. 1979. PHYSICAL ENVIRONMENTS OF THE GROSWATER BAY-LAKE MELVILLE COASTAL REGION. IN: SYMPOSIUM ON RESEARCH IN THE LABRADOR COASTAL AND OFFSHORE REGION (1979 : ST. JOHN'S, NFLD). ST. JOHN'S: MEMORIAL UNIVERSITY. P.167-179.

PHYSICAL ENVIRONMENTS OF THE GROSWATER BAY-LAKE MELVILLE COASTAL REGION ARE DELINEATED.

1713

REINSON, G.E., FROBEL, D., TAYLOR, R.B., ASPREY, K. 1980. OBSERVATIONS ON THE OCCURRENCE OF BUNKER-C OIL ON THE CAPE BRETON SHORELINE, MAY 1979. IN: SCIENTIFIC STUDIES DURING THE "KURDISTAN" TANKER INCIDENT: PROCEEDINGS OF A WORKSHOP (1979 : BEDFORD INSTITUTE OF OCEANOGRAPHY, DARIMOUTH), ED., J.H. VANDERMEULEN. BEDFORD INSTITUTE OF OCEANOGRAPHY REPORT SERIES BI-R-80-3: 120-131.

BUNKER-C OIL OCCURED ON THE CAPE BRETON SHORELINE AS A DISTINCT GROUP OF PHYSICAL FORMS: THE OCCURRENCE OF THESE FORMS IS RELATED TO THE MECHANICAL DISPERSAL PATHS AND TO SHORELINE TYPES.

1714

REINSON, G.E., ROSEN, P.S. 1979. DEPOSITIONAL SEQUENCE IN A SUBARCTIC SANDY BEACH FACE, CENTRAL LABRADOR [ABSTRACT]. AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS BULLETIN 63(3): 514.

BREAK-UP AND FREEZE-UP EVENTS CAN BE PRESERVED IN SEDIMENTARY RECORD OF A SUBARCTIC BEACH.

1715

REINSON, G.E., ROSEN, P.S. 1982. PRESERVATION OF ICE-FORMED FEATURES IN A SUBARCTIC SANDY BEACH SEQUENCE: GEOLOGIC IMPLICATIONS. JOURNAL OF SEDIMENTARY PETROLOGY 52(2): 463-471.

1716

REINSON, G.E., VILKS, G. 1980. SEABED CHARACTERISTICS AND SAND DISPERSAL ON THE BEDROCK-DOMINATED INNER SHELF OF SOUTHERN LABRADOR [ABSTRACT]. AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS BULLETIN 64(5): 771.

1717

RICHARDSON, J.B., ET AL [BARSS, M.S.]. 1964. STRATIGRAPHIC DISTRIBUTION OF SOME DEVONIAN

AND LOWER CARBONIFEROUS SPORES. IN: COMPTE RENDU, CONGRES INTERNATIONALE DE STRATIGRAPHIE ET DE GEOLOGIE DU CARBONIFERE (5E : 1963 : PARIS). V.3:1111-1114.

CONTRIBUTION TO SUBGROUP 13B BY M.S. BARSS. A COMPOSITE RANGE CHART SHOWS COMPARISON WITH A NUMBER OF OTHER AREAS.

1718

RIDING, R., JANSKA, L.F. 1974. URALOPORELLA KORDE IN THE DEVONIAN OF ALBERTA. CANADIAN JOURNAL OF EARTH SCIENCES 11(10): 1414-1426.

DESCRIBES A NEW SPECIES OF FORAMINIFERA(?) USEFUL FOR RECOGNITION OF BACK REEF FACIES IN OIL EXPLORATION OF DEVONIAN REEFS.

1719

RIDING, R., JANSKA, L.F. 1976. DEVONIAN OCCURRENCE OF URALOPORELLA (?FORAMINIFER) IN THE CANNING BASIN, WESTERN AUSTRALIA. JOURNAL OF PALEONTOLOGY 50(5): 805-807.

DESCRIBES A PROBLEMATIC FORAMINIFER FROM THE DEVONIAN OF AUSTRALIA; THIS INDICATES A WORLD-WIDE DISTRIBUTION OF THE GENUS URALOPORELLA DURING THE DEVONIAN AND FURTHER EMPHASIZES ITS PREFERENCE FOR BACK REEF OR SHALLOW CARBONATE PLATFORM ENVIRONMENTS. THE GENUS WAS PREVIOUSLY DESCRIBED FROM THE DEVONIAN OF CANADA.

1720

RISK, M., BUCKLEY, D. 1979. VIEWPOINT ON A VIEWPOINT. [COMMENT ON GORDON AND

LONGHURST, THE ENVIRONMENTAL ASPECTS OF A TIDAL POWER PROJECT IN THE UPPER REACHES OF THE BAY OF FUNDY]. MARINE POLLUTION BULLETIN 10(8): 219-222.

THE COMMENT POINTS OUT THAT THE MODEL-TRANSFER METHOD OF ASSESSING ENVIRONMENTAL IMPACT OF TIDAL POWER DEVELOPMENT IN THE BAY OF FUNDY MAY NOT BE AS SUCCESSFUL AS PREDICTIONS BASED ON SPECIFIC KNOWLEDGE OF THE SYSTEM GAINED BY CURRENT RESEARCH.

1721

RISK, M.J., VENTER, R.D., PEMBERTON, S.G., BUCKLEY, D.E. 1978. COMPUTER SIMULATION AND SEDIMENTOLOGICAL IMPLICATIONS OF BURROWING BY AXIUS SERRATUS. CANADIAN JOURNAL OF EARTH SCIENCES 15(8): 1370-1374. (BIO CONTRIBUTION NO. 789).

COMPUTER SIMULATION DEMONSTRATES THAT THE RATIO OF SEDIMENTARY TURNOVER CAUSED BY BURROWING SHRIMP AXIUS SERRATUS IS SUFFICIENT TO OBLITERATE RECENT GEOCHRONOLGY AND PRIMARY SEDIMENTARY STRUCTURES.

1722

ROBERTSON, K.R., RASHID, M.A. 1976. EFFECT OF SOLUTIONS OF HUMIC COMPOUNDS ON CONCRETE. JOURNAL OF THE AMERICAN CONCRETE INSTITUTE 73(10): 577-580.

CA, THE MOST ABUNDANT CATION IN CEMENT-CONCRETE WAS RELEASED IN THE FRESH AND SALT WATER SYSTEMS CONTAINING 10 PPM IN HUMIC ACIDS AT A MAXIMUM CONCENTRATION OF 28 AND 96 PPM RESPECTIVELY.

1723

ROGERSON, R.J., JOSEPHANS, H.W., BELL, T. 1986. A 3.5 KHZ ACOUSTIC SURVEY OF NACHVAK FIORD, NORTHERN LABRADOR. GEOLOGICAL SURVEY OF CANADA PAPER 86-1A: 221-228.

THE REPORT PRESENTS PRELIMINARY INTERPRETATIONS OF THE GLACIAL AND POST GLACIAL SEDIMENTS IN NACHVAK FIORD BASED ON A 3.5 KHZ SUBBOTTOM SURVEY AND ONE PISCES DIVE TRANSECT.

1724

ROOTS, W.D., ROOTS, S.R., JACKSON, H.R. 1985. OCEANIC CRUST NEXT TO PASSIVE MARGINS: A STRUCTURAL ORIGIN FOR MAGNETIC ZONES. TECTONOPHYSICS 113(3/4): 191-208.

1725

ROOTS, W.D., SRIVASTAVA, S.P. 1984. ORIGIN OF THE MARINE MAGNETIC QUIET ZONES IN THE LABRADOR AND GREENLAND SEAS. MARINE GEOPHYSICAL RESEARCHES 6(4): 395-408.

INCREASING OBLIQUITY OF SPREADING ALONG RIDGE AXES IN THE LABRADOR SEA (AFTER ANOMALY 25 TIME) AND GREENLAND SEA CORRELATES WITH POORER LINEAR MAGNETIC ANOMALIES. SOME QUIET ZONES MAY APPEAR AT OBLIQUE SPREADING CENTRES WHERE SMALL SOURCE BLOCKS OF OPPOSITE POLARITY ARE JUXTAPOSED BY SHORT RIDGE SEGMENTS THUS PRECLUDING RESOLUTION OF THEIR MAGNETIC SIGNATURE.

1726

ROSEN, P.S. 1976. THE MORPHOLOGY AND PROCESS OF THE VIRGINIA CHESAPEAKE BAY SHORELINE [ABSTRACT]. IN: INTERNATIONAL CONGRESS ON SEDIMENTOLOGY (10TH : 1978 : JERUSALEM). THE CONGRESS. P. 557.

1727

ROSEN, P.S. 1977. LETTERS TO THE EDITOR, WINTHROP BEACH BREAKWATERS. SHORE AND BEACH 45(2): 37.

1728

ROSEN, P.S. 1978. AEOLIAN DYNAMICS OF A BARRIER ISLAND SYSTEM [ABSTRACT]. GEOLOGICAL SOCIETY OF AMERICA, ABSTRACTS WITH PROGRAMS 10(2): 83.

1729

ROSEN, P.S. 1978. AN EFFICIENT, LOW COST, AEOLIAN SAMPLING SYSTEM. GEOLOGICAL SURVEY OF CANADA PAPER 78-1A: 531-532.

1730

ROSEN, P.S. 1978. BEACH PROCESSES AND SEDIMENTATION, BY P.D. KOMAR [BOOK REVIEW]. JOURNAL OF GEOLOGY 86(1): 155.

DR. KOMAR'S TEXT PROVIDES A WELL DOCUMENTED TREATMENT OF PHYSICAL PROCESSES AS THEY AFFECT BEACH DYNAMICS.

1731

ROSEN, P.S. 1978. BOULDER BARRICADES IN CENTRAL LABRADOR. JOURNAL OF SEDIMENTARY PETROLOGY 49(4). P. 1113-1123.

BOULDER BARRICADES RESULT FROM THE GROUNDING OF BOULDER-LADEN ICE PANS DURING SPRING.

1732

ROSEN, P.S. 1978. DEGRADATION OF ICE-FORMED BEACH DEPOSITS. MARITIME SEDIMENTS 14(2): 63-68.

1733

ROSEN, P.S. 1978. PREDICTING BEACH EROSION AS A FUNCTION OF RISING WATER LEVEL: A DISCUSSION. JOURNAL OF GEOLOGY 86(6): 763-764.

DUBOIS MODEL FOR THE PREDICTION OF SHORE EROSION ASSUMES DYNAMIC EQUILIBRIUM IN THE SYSTEM YET THE DATA IT IS BASED ON IS OF TOO SHORT A SAMPLING PERIOD TO DEFINE SUCH AN EQUILIBRIUM. THE MODEL ALSO IGNORES THE CONTEMPORARY RESEARCH IN NEARSHORE PROCESSES.

1734

ROSEN, P.S. (ED.) 1978. WORKSHOP ON COASTAL RESEARCH AND PLANNING IN LABRADOR. BEDFORD INSTITUTE OF OCEANOGRAPHY REPORT SERIES BI-R-77-12. 66P.

THIS REPORT IS THE PROCEEDINGS OF A WORKSHOP HELD AT THE ATLANTIC GEOSCIENCE CENTRE ON 27 JANUARY, 1978. IT IS A SYNTHESIS OF RESEARCH AND PLANNING BEING CARRIED ON IN THE COASTAL AND NEARSHORE ZONE OF LABRADOR.

1735

ROSEN, P.S. 1979. SEDIMENT TRANSPORT BY INTERTIDAL ICE. IN: SYMPOSIUM ON RESEARCH IN THE LABRADOR COASTAL AND OFFSHORE REGION (1979 : ST. JOHN'S, NFLD.). ST. JOHN'S: MEMORIAL UNIVERSITY. P.133-147.

1736

ROSEN, P.S. 1980. COASTAL ENVIRONMENTS OF THE MAKKOVIK REGION, LABRADOR. IN: THE COASTLINE OF CANADA, ED., S.B. MCCANN. GEOLOGICAL SURVEY OF CANADA PAPER 80-10: 267-280.

1737

ROSEN, P.S., BARNETT, E., ET AL 1977. INTERNAL GEOMETRY OF FOREDUNE RIDGES, CURRITUCK SPIT AREA, VIRGINIA-NORTH CAROLINA. IN: COASTAL PROCESSES AND RESULTING FORMS OF SEDIMENT ACCUMULATIONS, CURRITUCK SPIT, VIRGINIA-NORTH CAROLINA (1977 : GLOUCESTER POINT, VA). VIRGINIA INSTITUTE OF MARINE SCIENCE. SPECIAL REPORT IN MARINE SCIENCE AND OCEAN ENGINEERING 143: 30.1-30.16.

1738

ROSS, D.I. 1973. FREE AIR AND SIMPLE BOUGUER GRAVITY MAPS OF BAFFIN BAY AND ADJACENT CONTINENTAL MARGINS. GEOLOGICAL SURVEY OF CANADA PAPER 73-37. 11P. (BIO CONTRIBUTION NO. 431).

1739

ROSS, D.I. 1976. SEISMOLOGY AND PHYSICS OF THE EARTH'S INTERIOR, 3. ATLANTIC GEOSCIENCE CENTRE - I SEISMOLOGY, II PHYSICS OF THE EARTH'S INTERIOR. CANADIAN GEOPHYSICAL BULLETIN 29: 35.

1740

ROSS, D.I. 1976. THE HUNTEC SEABED PROJECT; A SUCCESS STORY IN JOINT GOVERNMENT/ INDUSTRY RESEARCH UNDERTAKINGS. GEOS 1976(SUMMER): 8-9.

A SUMMARY OF THE FIRST FIFTEEN MONTHS OF A JOINT GOVERNMENT/INDUSTRY RESEARCH PROJECT TO DEVELOP THE TECHNOLOGY FOR ACOUSTIC MAPPING OF THE SURFICIAL SEDIMENTSON THE CONTINENTAL SHELF.

1741

ROSS, D.I. 1985. SONAR. IN: THE CANADIAN ENCYCLOPEDIA. EDMONTON, ALTA.: HURFIG PUBLISHERS. V.3: 1733.

1742

ROSS, D.I., FALCONER, R.K.H. 1976. GEOPHYSICAL ANOMALIES IN THE AREA OF LEG 37 DRILLING [ABSTRACT]. GEOLOGICAL ASSOCIATION OF CANADA ANNUAL MEETING ABSTRACTS 1: 59.

1743

ROSS, D.I., FALCONER, R.K.H. 1977. MID-ATLANTIC RIDGE AT 37 DEGREES N: GEOPHYSICAL ANOMALIES IN THE AREA OF LEG 37 DRILLING. CANADIAN JOURNAL OF EARTH SCIENCES 14(4/PART 2): 664-673. (BIO CONTRIBUTION NO. 649).

1744

ROSS, D.I., HENDERSON, G. 1973. NEW GEOPHYSICAL DATA ON THE CONTINENTAL SHELF

OF CENTRAL AND NORTHERN WEST GREENLAND. CANADIAN JOURNAL OF EARTH SCIENCES 10(4): 485-497. (BIO CONTRIBUTION NO. 369).

1745

ROSS, D.I., LEWIS, C.F.M., BORNHOLD, B. 1975?. HYDROGRAPHY IN THE ARCTIC-A GEOSCIENCE OPPORTUNITY FOR EXPANDING SUBSEA KNOWLEDGE. IN: ANNUAL CANADIAN HYDROGRAPHIC CONFERENCE (14TH : 1975 : HALIFAX, N.S.), [PROCEEDINGS]. [OTTAWA]: CANADIAN HYDROGRAPHIC SERVICE. P.109-117.

WE BELIEVE GEOMORPHOLOGICAL SYNTHESIS IS AN ESSENTIAL STEP TOWARDS NATIONAL ASSESSMENT OF LAND USE PROPOSALS AND THAT HYDROGRAPHIC MULTIPARAMETER SURVEYS PROVIDE AN ESSENTIAL BASE OF GEOSCIENTIFIC INFORMATION FOR SUCH A SYNTHESIS. WE USE A CONCEPTUAL MODEL FOR THE DEVELOPMENT OF THE SUBMARINE PHYSIOGRAPHY OF BARROW STRAIT AS AN EXAMPLE IN SHOWING THE POSSIBLE ADDITIONAL KNOWLEDGE THAT CAN BE OBTAINED WITHIN THE FRAMEWORK OF THE HYDROGRAPHIC PROGRAM.

1746

ROSS, D.I., LEWIS, M. 1986. ICEBERG-SCOUR FEATURES ON THE GRAND BANKS. BIO REVIEW '85: 20-23.

1747

ROSS, D.I., SHIH, K.G., JOHNSTON, B.L., PORTEOUS, D.M. 1973. GEOFILE - A REVISED MANUAL ON THE STORAGE AND RETRIEVAL OF GEOPHYSICAL DATA. BIO COMPUTER NOTE SERIES BI-C-73-03. 171P.

1748

ROYDEN, L., KEEN, C.E. 1980. RIFTING PROCESS AND THERMAL EVOLUTION OF THE CONTINENTAL MARGIN OF EASTERN CANADA DETERMINED FROM SUBSIDENCE CURVES. EARTH AND PLANETARY SCIENCE LETTERS 51(2): 343-361. (BIO CONTRIBUTION NO. 947).

THIS PAPER SHOWS THAT EXTENSION DURING RIFTING CAN ACCOUNT FOR THE OBSERVED SUBSIDENCE OFF NOVA SCOTIA AND LABRADOR AND FOR EROSIONAL UNCONFORMITIES. THE EXTENSION MODEL WAS USED TO COMPUTE THE PALEOTEMPERATURE HISTORY OF THE SEDIMENTS.

1749

RUFFMAN, A.S., HOBSON, G.D., KEEN, M.J. 1968. A SEISMIC STUDY OF THE CRUST AND MANTLE BENEATH THE BAY. IN: SCIENCE, HISTORY AND HUDSON BAY, ED., C.S. BEALS. OTTAWA:DEPARTMENT OF ENERGY, MINES AND RESOURCES. V.2:629-642.

1750

RUFFMAN, A.S., KEEN, M.J. 1967. A TIME-TERM ANALYSIS OF THE FIRST ARRIVAL DATA FROM THE SEISMIC EXPERIMENTS IN HUDSON BAY 1965. CANADIAN JOURNAL OF EARTH SCIENCES 4(4): 901-928.

1751

RULLKOTTER, J., VUCHEV, V., HINZ, K., WINTERER, E.L., BAUMGARINER, P.O., BRADSHAW, M.J., CHANNELL, J.E.T., JAFFREZO, M., JANSKA, L.F., LECKIE, R.M., MOORE, J.M., SCHAFTENAAR, C., STEIGER, T.H., WIEGAND, G.E. 1983. POTENTIAL DEEP-SEA PETROLEUM SOURCE BEDS RELATED TO COASTAL UPWELLING.

IN: COASTAL UPWELLING: ITS SEDIMENT RECORD. PART B: SEDIMENTARY RECORDS OF ANCIENT COASTAL UPWELLING, ED., J. THIEDE AND E. SUESS. NEW YORK: PLENUM PRESS. P.467-483. (NATO CONFERENCE SERIES; IV. MARINE SCIENCES 10B).

1752

RYALL, P.J.C., FOWLER, G.A., MANCHESTER, K.S. 1981. AN ELECTRIC ROCK CORE DRILL FOR DEEP OCEAN USE. IN: PROCEEDINGS, OFFSHORE TECHNOLOGY CONFERENCE (13TH : 1981 : HOUSTON, TEXAS). DALLAS: THE CONFERENCE. V.4: 123-128.

1753

RYNN, J.M.W., REID, I.D. 1983. CRUSTAL STRUCTURE OF THE WESTERN ARAFURA SEA FROM OCEAN BOTTOM SEISMOGRAPH DATA. JOURNAL OF THE GEOLOGICAL SOCIETY OF AUSTRALIA 30(1/2): 59-74.

1754

SANFORD, B.V., GRANT, A.C., WADE, J.A., HARDY, I.A., WILLIAMS, G.L., HOWIE, R.D., BARSS, M.S. 1979. GEOLOGY OF EASTERN CANADA AND ADJACENT AREAS. GEOLOGICAL SURVEY OF CANADA MAP 1401A: 4 SHEETS.

1755

SANFORD, B.V., GRANT, G.M. 1975. PHYSIOGRAPHY, EASTERN CANADA AND ADJACENT AREAS. IN: OFFSHORE GEOLOGY OF EASTERN CANADA: VOLUME 2 - REGIONAL GEOLOGY, ED., W.J.M. VAN DER LINDEN AND J.A. WADE. GEOLOGICAL SURVEY OF CANADA PAPER 74-30(2): MAP HOLDER 2, MAP 1399A.

FOUR MAP SHEETS COVERING EASTERN CANADA, ONSHORE AND OFFSHORE, AT 1:2 MILLION, DEPICTING THE PHYSIOGRAPHY AND NAMING THE MAIN FEATURES.

1756

SANFORD, B.V., HOWIE, R.D. 1956. OIL AND GAS IN EASTERN CANADA. CANADIAN OIL AND GAS INDUSTRIES 10(10): 67-77.

A REPORT ON THE STRATIGRAPHY, ECONOMIC GEOLOGY, EXPLORATION AND DEVELOPMENT OF OIL AND GAS PRODUCING AREAS IN SOUTHWESTERN ONTARIO AND NEW BRUNSWICK.

1757

SANFORD, B.V., NORRIS, A.W. 1975. DEVONIAN STRATIGRAPHY OF THE HUDSON PLATFORM. GEOLOGICAL SURVEY OF CANADA MEMOIR 379(1-2). 248P.

MEMOIR ILLUSTRATES AND DESCRIBES THE DISTRIBUTION, LITHOLOGICAL CHARACTER AND AGE OF THE ROCK UNITS IN THE HUDSON PLATFORM.

1758

SANTISCHI, P.H., BAJO, C., MANTOVANI, M., ORCIUOLO, D., CRANSTON, R.E., BRUNO, J. 1987. URANIUM IN PORE WATERS FROM NORTH ATLANTIC (GME AND SOUTHERN NARES ABYSSAL PLAIN) SEDIMENTS. NATURE 331: P 155-157.

DISSOLVED URANIUM VALUES MEASURED IN PORE WATER SAMPLES FROM TWO ATLANTIC ABYSSAL PLAINS ARE THE LOWEST EVER MEASURED IN DEEP SEA SEDIMENTS. THE URANIUM VALUES CORRELATE WITH MEASURED E(SUB H) VALUES, SUGGESTING THAT

LOW MOBILITY OF URANIUM IN REDUCED PORE WATERS HAS IMPORTANT IMPLICATIONS TO THE SUB-SEABED DISPOSAL OF HIGH-LEVEL RADIOACTIVE WASTE.

1759

SCHAFFER, C.T. 1973. DISTRIBUTION OF FORAMINIFERA NEAR POLLUTION SOURCES IN CHALEUR BAY. WATER, AIR, AND SOIL POLLUTION 2(2): 219-233. (BIO CONTRIBUTION NO. 400).

BENTHONIC FORAMINIFERA ARE ZONED LOCALLY IN CHALEUR BAY IN RESPONSE TO EFFLUENT DISCHARGE. THE ELPHIDIUM INCERTUM/CLAVATUM GROUP USUALLY DOMINATES THE LIVING FAUNA NEAR SEWAGE OUTFALLS.

1760

SCHAFFER, C.T. 1974. THE MID-ATLANTIC RIDGE NEAR 45 DEGREES N. XXII SEDIMENTARY DEPOSITION AND LITHOGENESIS ON MID-ATLANTIC RIDGE MOUNTAIN TOPS. CANADIAN JOURNAL OF EARTH SCIENCES 11(8): 1157-1167. (BIO CONTRIBUTION NO. 414).

BOTTOM PHOTOGRAPHS COLLECTED ON SEVERAL MOUNTAIN TOPS ALONG THE CREST OF THE MID-ATLANTIC RIDGE NEAR 45N INDICATE RAPID CHANGES IN BOTTOM CURRENT DIRECTION AND VELOCITIES. ABSOLUTE DATES (C) OF CORALLINE LIMESTONE, WHICH UNDERLIES SURFICIAL SEDIMENTS WAS INITIALLY LITHIFIED UNDER INTERSTADIAL CONDITIONS DURING MIDDLE WISCONSIN TIME.

1761

SCHAFFER, C.T. 1976. DISTRIBUTION OF FORAMINIFERA IN CHALEUR BAY, NEW BRUNSWICK-QUEBEC. GEOLOGICAL SURVEY OF CANADA PAPER 76-1C: 19-23.

1762

SCHAFFER, C.T. 1976. IN SITU ENVIRONMENT RESPONSES OF BENTHONIC FORAMINIFERA. GEOLOGICAL SURVEY OF CANADA PAPER 76-1C: 27-32.

1763

SCHAFFER, C.T. 1977. DISTRIBUTION AND DEPOSITIONAL HISTORY OF SEDIMENTS IN BAIE DES CHALEURS, GULF OF ST. LAWRENCE. CANADIAN JOURNAL OF EARTH SCIENCES 14(4/PART 1): 593-605.

MODERN SEDIMENT DISTRIBUTION IN CHALEUR BAY IS CONTROLLED PRIMARILY BY AN INTERPLAY OF BATHYMETRIC VARIATION AND WAVE CLIMATE.

1764

SCHAFFER, C.T. 1977. RELATIONSHIP OF BENTHONIC FORAMINIFERA DISTRIBUTION PATTERNS TO WATER MASS CHARACTERISTICS IN CHALEUR BAY, GULF OF ST. LAWRENCE [ABSTRACT]. IN: INTERNATIONAL MEIOFAUNA CONFERENCE (3RD : 1977 : HAMBURG), [ABSTRACTS]. HAMBURG: THE CONFERENCE. PAGES NOT NUMBERED.

FORAMINIFERAL SPECIES DISTRIBUTIONS IN CHALEUR BAY ARE CONTROLLED PRIMARILY BY WATER MASS CHARACTERISTICS AND THE BASIC CIRCULATION PATTERN OF THE RESTIGOUCHE ESTUARY.

1765

SCHAFFER, C.T. 1982. FORAMINIFERAL COLONIZATION OF AN OFFSHORE DUMP SITE FOR

CHALEUR BAY, NEW BRUNSWICK, CANADA. JOURNAL OF FORAMINIFERAL RESEARCH
12(4): 317-326.

1766

SCHAFFER, C.T. 1983. INTRODUCTION [TO SEDIMENTOLOGY OF ARCTIC FJORDS
EXPERIMENTS]. IN: SEDIMENTOLOGY OF ARCTIC FJORDS EXPERIMENT: HU 82-031
DATA REPORT, VOLUME 1, ED., J.P.M. SYVITSKI AND C.P. BLAKENEY. CANADIAN
DATA REPORT OF HYDROGRAPHY AND OCEAN SCIENCES 12. V.1: 1.1-1.4. ALSO
PUBLISHED IN GEOLOGICAL SURVEY OF CANADA OPEN FILE 960.

A MULTIDISCIPLINARY GSC PROJECT THAT SETS OUT TO UNDERSTAND MODERN
PROCESSES WITHIN END-MEMBER ARCTIC FJORD ENVIRONMENTS AND TO APPLY THESE
FINDINGS TO LITHO AND BIOSTRATIGRAPHIC FACIES THAT COMPOSE QUATERNARY
FJORD ENVIRONMENTS.

1767

SCHAFFER, C.T. 1984. THE NEWFOUNDLAND SLOPE AT 49-50 DEGREES N: NATURE AND
MAGNITUDE OF CONTEMPORARY MARINE GEOLOGICAL PROCESSES. GEOLOGICAL SURVEY
OF CANADA PAPER 84-1A: 563-566.

1768

SCHAFFER, C.T., ASPREY, K.W. 1982. SIGNIFICANCE OF SOME GEOTECHNICAL PROPERTIES
OF CONTINENTAL SLOPE AND RISE SEDIMENTS OFF NORTHEAST NEWFOUNDLAND.
CANADIAN JOURNAL OF EARTH SCIENCES 19(1): 153-161.

1769

SCHAFFER, C.T., BLAKENEY, C.P. 1984. BAFFIN ISLANDS FJORDS. SEA FRONTIERS
30(2): 94-105.

1770

SCHAFFER, C.T., CARTER, L. 1985. WESTERN BOUNDARY UNDERCURRENT DEPOSITIONAL
FEATURES ON THE LABRADOR SLOPE AND RISE NEAR LATITUDE 55N [ABSTRACT].
EOS; TRANSACTIONS, AMERICAN GEOPHYSICAL UNION 66(46): 937.

SEISMIC RECORDS AND GRAVITY CORES COLLECTED IN THE AXIAL REGION OF THE
WBUC INDICATE THAT SEDIMENT THICKNESS VARIES Laterally ALONG THE AXIS AND
IS THICKEST ADJACENT TO DEEP (I.E. ACTIVE) CANYONS. SOME BEDFORMS APPEAR
TO BE MIGRATING UPCURRENT.

1771

SCHAFFER, C.T., CARTER, L. 1986. OCEAN-BOTTOM MAPPING IN THE 1980S. SEA
FRONTIERS/SEA SECRETS 32(2): 122-130.

MODERN OCEAN BOTTOM SURVEY HARDWARE FOLLOWS TECHNIQUES DEVELOPED FOR
AERIAL PHOTOGRAPHY AND SATELLITE IMAGERY. EXAMPLES OF GEOLOGIC FEATURES
"ILLUMINATED" USING THE NEW GENERATION OF SIDE SCAN SONARS RANGE FROM ICE
SCOURS ON THE SHELF EDGE TO SEDIMENT WAVES ON THE UPPER RISE.

1772

SCHAFFER, C., CLATTENBURG, D., COLE, F.E., LEBLANC, W., SYVITSKI, J.P. 1984.
SAFE: 1983 HUDSON BOTTOM GRAB SAMPLES. IN: SEDIMENTOLOGY OF ARCTIC FJORDS
EXPERIMENT: HU 83-028 DATA REPORT, VOLUME 2, COMP., J.P.M. SYVITSKI.

CANADIAN DATA REPORT OF HYDROGRAPHY AND OCEAN SCIENCES 28: 7.1-7.73. ALSO PUBLISHED IN GEOLOGICAL SURVEY OF CANADA OPEN FILE 1122.

1773

SCHAFFER, C.T., COLE, F.E. (FRAPE) 1974. DISTRIBUTIONS OF BENTHONIC FORAMINIFERA: THEIR USE IN DELIMITING LOCAL NEARSHORE ENVIRONMENTS. IN: OFFSHORE GEOLOGY OF EASTERN CANADA: VOLUME 1 - CONCEPTS AND APPLICATIONS OF ENVIRONMENTAL MARINE GEOLOGY, ED., B.R. PELLETIER. GEOLOGICAL SURVEY OF CANADA PAPER 74-30(1): 103-108. (BIO CONTRIBUTION NO. 445).

CERTAIN SPECIES OF FORAMINIFERA ALONG WITH POPULATION INDICES SUCH AS COMPOUND DIVERSITY ARE USEFUL IN ORDER TO MAP ARTIFICIAL BIOTOPES THAT HAVE DEVELOPED IN THE NEARSHORE ZONE.

1774

SCHAFFER, C.T., COLE, F.E. 1975. TIME-SPACE VARIATIONS OF TOTAL FORAMINIFERAL SPECIES COUNTS IN THE RESTIGOUCHE ESTUARY [ABSTRACT]. IN: ABSTRACTS, BENTHONICS '75. HALIFAX: DALHOUSIE UNIV., ETC. P.41-42.

1775

SCHAFFER, C.T., COLE, F.E. 1976. FORAMINIFERAL DISTRIBUTION PATTERNS IN THE RESTIGOUCHE ESTUARY. IN: INTERNATIONAL SYMPOSIUM ON BENTHONIC FORAMINIFERA OF CONTINENTAL MARGINS (1ST : 1975 : HALIFAX), ED., C.T. SCHAFFER AND B.R. PELLETIER. MARITIME SEDIMENTS SPECIAL PUBLICATION 1: 1-24. (BIO CONTRIBUTION NO. 616).

IN ESTABLISHING BIOTOPE BOUNDARIES IN COASTAL ENVIRONMENTS USING FORAMINIFERA DATA, CHANGES IN THE PROPORTION OF THE MORE UBIQUITOUS AND ABUNDANT SPECIES SHOULD YIELD ABOUT THE SAME DEGREE OF GEOGRAPHIC RESOLUTION AS DOES TOTAL SPECIES DATA.

1776

SCHAFFER, C.T., COLE, F.E. 1978. DISTRIBUTION OF FORAMINIFERA IN CHALEUR BAY, GULF OF ST. LAWRENCE. GEOLOGICAL SURVEY OF CANADA PAPER 77-30. 55P.

THE DISTRIBUTION PATTERN OF FORAMINIFERA IN CHALEUR BAY IS PRIMARILY A FUNCTION OF WATER MASS CHARACTERISTICS AND PROXIMITY TO THE MOUTHS OF MAJOR RIVERS.

1777

SCHAFFER, C.T., COLE, F.E. 1982. LIVING BENTHIC FORAMINIFERA DISTRIBUTIONS ON THE CONTINENTAL SLOPE AND RISE EAST OF NEWFOUNDLAND, CANADA. GEOLOGICAL SOCIETY OF AMERICA BULLETIN 93(3): 207-217.

1778

SCHAFFER, C.T., COLE, F.E. 1984. THE BAFFIN ISLAND FJORDS: MODERN CALCAREOUS FORAMINIFERAL ASSEMBLAGES. IN: ANNUAL ARCTIC WORKSHOP (13TH : 1984 : INSTITUTE OF ARCTIC AND ALPINE RESEARCH, BOULDER, CO). BOULDER, CO: THE WORKSHOP. P.60-61.

CALCAREOUS FORAMINIFERAL DIVERSITY SHOWS NO DISTINCTIVE TREND WITH RESPECT TO ICE MARGIN ENVIRONMENTS OBSERVED IN 10 FJORDS SURVEYED IN 1982. IN THE

HIGH DIVERSITY ASSEMBLAGES CIBICIDES LOBATULUS AND CASSIDULINA RENIFORME ARE THE DOMINANT SPECIES.

1779

SCHAFFER, C.T., COLE, F.E. 1985. MARGINAL MARINE FORAMINIFERA ASSEMBLAGES IN THREE EAST COAST BAFFIN ISLAND FIORDS [POSTER]. IN: ARCTIC LAND-SEA INTERACTION; ARCTIC WORKSHOP (14TH : 1985 : BEDFORD INSTITUTE OF OCEANOGRAPHY, DARIMOUTH, N.S.), [COMP., G.M. VILKS AND J.P.M. SYVITSKI. DARIMOUTH, N.S.: THE WORKSHOP]. P.211-212. (GEOLOGICAL SURVEY OF CANADA OPEN FILE 1223).

LIVING AND TOTAL ASSEMBLAGES OF ARENACEOUS AND CALCAREOUS FORAMINIFERA FROM SHALLOW NEARSHORE AND DEEP BASIN ENVIRONMENTS OF THREE BAFFIN ISLAND FIORDS SUGGEST SOME BETWEEN - FIORD ENVIRONMENTAL VARIATIONS AND INDICATE WITHIN - FIORD PASSIVE REDISTRIBUTION OF SPECIES ESPECIALLY IN OFFSHORE BASINS.

1782

SCHAFFER, C.T., COLE, F.E. 1986. RECONNAISSANCE SURVEY OF BENTHIC FORAMINIFERA FROM BAFFIN ISLAND FIORD ENVIRONMENTS. ARCTIC 39(3): 232-239.

1783

SCHAFFER, C.T., COLE, F.E. 1988. ENVIRONMENTAL ASSOCIATIONS OF BAFFIN ISLAND FIORD AGGLUTINATED FORAMINIFERA. IN: SECOND WORKSHOP ON AGGLUTINATED FORAMINIFERA, VIENNA 1986, PROCEEDINGS, ROGL, F., GRADSTEIN, F.M. ABHANDLUNGEN DER GEOLOGISCHEN BUNDESANSTALT 41: 307-323. (GEOLOGICAL SURVEY OF CANADA CONTRIBUTION 39986).

1784

SCHAFFER, C., COLE, F.E., CARTER, L. 1978. BENTHIC FORAMINIFERAL DIVERSITY AND GEOLOGICAL PROCESSES ON THE NORTHEAST NEWFOUNDLAND SLOPE: FIRST RESULTS [ABSTRACT]. GEOLOGICAL SOCIETY OF AMERICA, ABSTRACTS WITH PROGRAMS 10(7): 485.

1785

SCHAFFER, C.T., COLE, F.E., CARTER, L. 1981. BATHYAL ZONE BENTHIC FORAMINIFERAL GENERA OFF NORTHEAST NEWFOUNDLAND. JOURNAL OF FORAMINIFERAL RESEARCH 11(4): 296-316.

1786

SCHAFFER, C., COLE, F., CARTER, L. 1983. PARAECOLOGY OF BATHYAL ZONE ARENACEOUS FORAMINIFERA GENERA AND SPECIES ASSEMBLAGES OFF NORTHEAST NEWFOUNDLAND. IN: PROCEEDINGS OF THE WORKSHOP ON ARENACEOUS FORAMINIFERA (1ST : 1981 : AMSTERDAM, NETHERLANDS), ED., J.G. VERDENIUS, J.E. VAN HINTE, AND A.R. FORTUIN. TRONDHEIM, NORWAY: CONTINENTAL SHELF INSTITUTE. P.133-145. (INSTITUTT FOR KONTINENTALSOKKELUNDERSOKELSER, IKU PUBLICATION 108).

1787

SCHAFFER, C.T., COLE, F.E., WAGNER, F.J.E. 1977. RELATIONSHIP OF FORAMINIFERA DISTRIBUTION PATTERNS TO SEDIMENTARY PROCESSES IN THE MIRAMICHI ESTUARY, NEW BRUNSWICK. GEOLOGICAL SURVEY OF CANADA PAPER 77-1C: 1-7.

THE DISTRIBUTION PATTERN OF UBIQUITOUS FORAMINIFERA SPECIES IN THE MIRAMICHI ESTUARY IS RELATED TO ABSOLUTE ABUNDANCE WHICH, IN TURN, IS CONTROLLED BY ENVIRONMENTAL FACTORS AND PASSIVE TRANSPORT MECHANISMS WITHIN THE SYSTEM.

1788

SCHAFFER, C.T., GODDEN, C.A., PAYZANT, P., FOWLER, G.A. 1975. A PORTABLE UNDERWATER VIDEORECORDER. IN: PROCEEDINGS, OFFSHORE TECHNOLOGY CONFERENCE (7TH : 1975 : HOUSTON). NEW JERSEY: IEEE. V.1: 725-732.

AN "OFF THE SHELF" PORTABLE T.V. RECORDING SYSTEM HAS BEEN MODIFIED FOR UNDERWATER USE IN DEPTHS UP TO 100 METRES. IT CAN BE USED BY FREE-SWIMMING DIVERS OR IN A FIXED POSITION (MOORED) MODE FOR PERIODS OF UP TO 8 DAYS.

1789

SCHAFFER, C.T., MCKEOWN, D.L., MANCHESTER, K.S. 1987. USER EVALUATION OF THE NEW DFO/DEMR DEEP OCEAN ROV. IN: OCEANS '87 (1987 : HALIFAX, NOVA SCOTIA), PROCEEDINGS. NEW YORK : IEEE. P.1267-1271.

TESTING OF THE DFO/DEMR ROV DEMONSTRATED ITS CAPABILITIES IN DEPLOYMENT/RECOVERY MISSIONS, AND FOR SAMPLING AND IN SITU MEASUREMENTS OPERATIONS.

1790

SCHAFFER, C.T., MUDIE, P.J. 1980. SPATIAL VARIABILITY OF FORAMINIFERA AND POLLEN IN TWO NEARSHORE SEDIMENT SITES, ST. GEORGES BAY, NOVA SCOTIA. CANADIAN JOURNAL OF EARTH SCIENCES 17(3): 313-324. (BIO CONTRIBUTION NO. 902).

1791

SCHAFFER, C.T., MUDIE, P., PLASSE, D. 1976. CORRELATION AND SIGNIFICANCE OF FORAMINIFERAL ASSEMBLAGES FROM REPLICATE CORES, GEORGES BAY, NOVA SCOTIA [ABSTRACT]. MARITIME SEDIMENTS 12(3): 100.

QUANTITATIVE PALEOECOLOGICAL DATA ARE COMPARED BETWEEN TWO UNDISTURBED CORES COVERING ABOUT A 300 YEAR TIME PERIOD.

1792

SCHAFFER, C.T., MUDIE, P.J., SMITH, J.N. 1985. CLIMAT ET OBSERVATIONS GEOLOGIQUES. REVUE 1984 DE L'IOB: 6-8.

1793

SCHAFFER, C.T., MUDIE, P.J., SMITH, J.N. 1985. CLIMATE AND THE GEOLOGIC RECORD. BIO REVIEW '84: 6-8.

1794

SCHAFFER, C.T., SCOTT, D. 1976. MULTIDISCIPLINARY ENVIRONMENTAL MARINE GEOLOGICAL ANALYSIS OF A COASTAL AREA. GEOLOGICAL SURVEY OF CANADA PAPER 76-1C: 1-3.

1795

SCHAFFER, C.T., SCOTT, D.B. 1985. MICROPALAEONTOLOGY, TEXTURAL AND ISOTOPIC

CHARACTERISTICS OF TURBIDITES ON CONTINENTAL SLOPE AND RISE OFF NEWFOUNDLAND [ABSTRACT]. IN: AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS BULLETIN.: 305.

TURBIDITES OBSERVED IN CORES FROM THE NEWFOUNDLAND SLOPE AND RISE ARE OF LATE GLACIAL AGE (13000 YEARS BP) AND ARE DERIVED FROM OUTER SHELF AND MIDDLE SLOPE SOURCES. SOME RARE SPECIES OF MILIOLID FORAMINIFERA ARE CONCENTRATED NEAR THE BASE OF RELATIVELY THICK (30CM) TURBIDITES.

1796

SCHAFFER, C.T., SMITH, J.N. 1979. SEDIMENTATION AT THE HEAD OF THE SAGUENAY FJORD [ABSTRACT]. GEOLOGICAL ASSOCIATION OF CANADA/MINERALOGICAL ASSOCIATION OF CANADA, PROGRAM WITH ABSTRACTS 4: 76.

1797

SCHAFFER, C.T., SMITH, J.N. 1980. PALEOCEANOGRAPHIC SIGNIFICANCE OF HOLOCENE SEDIMENT BIOTURBATION ON THE CONTINENTAL SLOPE OFF NEWFOUNDLAND [ABSTRACTS]. GEOLOGICAL ASSOCIATION OF CANADA ANNUAL MEETING ABSTRACTS 5: 79.

1798

SCHAFFER, C.T., SMITH, J.N. 1982. 20TH CENTURY SEDIMENTATION EVENTS IN THE UPPER SAGUENAY FJORD, QUEBEC [ABSTRACT]. IN: INTERNATIONAL CONGRESS ON SEDIMENTOLOGY (11TH : 1982 : MCMASTER UNIVERSITY, HAMILTON, ONT.), ABSTRACTS OF PAPERS. HAMILTON: MCMASTER UNIVERSITY, DEPT. OF GEOLOGY. P.107.

1799

SCHAFFER, C.T., SMITH, J.N. 1983. RIVER DISCHARGE, SEDIMENTATION AND BENTHIC ENVIRONMENTAL VARIATIONS IN INNER MIRAMICHI BAY. CANADIAN JOURNAL OF EARTH SCIENCES 20(3): 388-398.

1800

SCHAFFER, C.T., SMITH, J.N. 1986. MARINE SEDIMENTARY EVIDENCE FOR AN 17TH CENTURY EARTHQUAKE-TRIGGERED LANDSLIDE IN THE SAGUENAY REGION [ABSTRACT]. IN: SYMPOSIUM INTERNATIONAL; PERILS ET CATASTROPHES, RESUMES = INTERNATIONAL SYMPOSIUM ON NATURAL AND MAN-MADE HAZARDS, ABSTRACTS (1986 : RIMOUSKI, PQ). [RIMOUSKI, PQ: THE SYMPOSIUM]. P.162.

THE SAGUENAY REGION OF QUEBEC LIES ADJACENT TO A ZONE OF EARTHQUAKE ACTIVITY. EVIDENCE FROM PB-210 DATED CORES SUGGESTS A CAUSAL RELATIONSHIP BETWEEN AN ANCIENT LANDSLIDE AND A MAGNITUDE 7 EARTHQUAKE THAT OCCURED ON FEBRUARY 5, 1663.

1801

SCHAFFER, C.T., SMITH, J.N. 1987. HYPOTHESIS FOR A SUBMARINE LANDSLIDE AND COHESIONLESS SEDIMENT FLOWS RESULTING FROM A 17TH CENTURY EARTHQUAKE-TRIGGERED LANDSLIDE IN QUEBEC, CANADA. GEO-MARINE LETTERS 7: 31-37.

1802

SCHAFFER, C.T., SMITH, J.N., COLE, F.E. 1981. RECORD OF PALEOCEANOGRAPHIC

EVENTS IN HOLOCENE SEDIMENTS: NEWFOUNDLAND CONTINENTAL SLOPE AND RISE. IN: WORKSHOP ON RESEARCH IN THE LABRADOR COASTAL AND OFFSHORE REGION (1980: GOOSE BAY, LABRADOR), PROCEEDINGS. ST. JOHN'S: MEMORIAL UNIVERSITY. P.224-243.

1803

SCHAFFER, C.T., SMITH, J.N., LORING, D.H. 1980. RECENT SEDIMENTATION EVENTS AT THE HEAD OF SAGUENAY FJORD, CANADA. ENVIRONMENTAL GEOLOGY 3(3): 139-150. (BIO CONTRIBUTION NO. 1013).

ANNUAL SEDIMENT DEPOSITION AT THE HEAD OF THE SAGUENAY FJORD IS RELATED TO INPUT FROM LOCAL LANDSLIDE EVENTS AND TO THE INTENSITY OF THE SPRING FRESHET.

1804

SCHAFFER, C.T., SMITH, J.N., SEIBERT, G. 1983. SIGNIFICANCE OF NATURAL AND ANTHROPOGENIC SEDIMENT INPUTS TO THE SAGUENAY FJORD, QUEBEC. IN: SEDIMENTOLOGY OF FJORDS, ED., J.P.M. SYVITSKI AND J.M. SKEI. SEDIMENTARY GEOLOGY 36(2/4): 177-194.

1805

SCHAFFER, C.T., SMITH, J.N., SEIBERT, G. 1987. PROXY RECORD OF SAGUENAY RIVER SPRING FRESHET EVENTS SINCE ABOUT 1800 A.D. [ABSTRACT]. IN: INTERNATIONAL UNION FOR QUATERNARY RESEARCH INTERNATIONAL CONGRESS (12TH : 1987 : OTTAWA) PROGRAMME AND ABSTRACTS. OTTAWA : NATIONAL RESEARCH COUNCIL OF CANADA. P.259.

MANY OF THE ABOVE AVERAGE 20TH CENTURY SPRING FRESHET EVENTS OF THE SAGUENAY RIVER DISCHARGE RECORD ARE EVIDENCED IN THE TEXTURAL RECORD OF PRODELTA SEDIMENTS. DISTINCTIVE DIFFERENCES BETWEEN 19TH AND 20TH CENTURY DISCHARGE CHARACTERISTIC SEEN IN PROXY RECORDS REFLECT HIGHER AVERAGE DISCHARGES.

1806

SCHAFFER, C.T., SMITH, J.N., TAN, F.C., WILLIAMS, D.F., SCOTT, D.B., MUDIE, P. 1982. SEDIMENTATION RATES DURING GLACIAL, AND INTERGLACIAL INTERVALS-NORTHEAST NEWFOUNDLAND CONTINENTAL SLOPE AND RISE [ABSTRACT]. IN: INTERNATIONAL CONGRESS ON SEDIMENTOLOGY (11TH : 1982 : MCMASTER UNIVERSITY, HAMILTON, ONT.), ABSTRACTS OF PAPERS. HAMILTON: MCMASTER UNIVERSITY, DEPT. OF GEOLOGY. P.47.

1807

SCHAFFER, C.T., TAN, F.C., WILLIAMS, D.F. 1982. HOLOCENE PALEOCEANOGRAPHIC SIGNALS IN CONTINENTAL SLOPE AND RISE SEDIMENTS OFF N.E. NEWFOUNDLAND [ABSTRACT]. IN: JOINT OCEANOGRAPHIC ASSEMBLY (1982 : HALIFAX, N.S.), POSTER ABSTRACTS. HALIFAX: THE CONFERENCE. V.2: 123.

1808

SCHAFFER, C.T., TAN, F.C., WILLIAMS, D.F., SMITH, J.N. 1984. LATE GLACIAL TO RECENT STRATIGRAPHY AND SEDIMENTARY PROCESSES: NEWFOUNDLAND CONTINENTAL SLOPE AND RISE [ABSTRACT]. IN: JOINT PROGRAMME WITH ABSTRACTS; ANNUAL CONGRESS, CANADIAN METEOROLOGICAL AND OCEANOGRAPHIC SOCIETY (18TH : 1984 :

HALIFAX, N.S.) [AND] ANNUAL MEETING, CANADIAN GEOPHYSICAL UNION (11TH : 1984 : HALIFAX, N.S.) = PROGRAMME CONJOINT AVEC RESUMES; CONGRES ANNUEL, SOCIETE CANADIENNE DE METEOROLOGIE ET D'OCEANOGRAPHIE (18E : 1984 : HALIFAX, N.-E.) [ET] REUNION ANNUELLE, L'UNION CANADIENNE DE GEOPHYSIQUE (11E : 1984 : HALIFAX, N.-E.), ED., E.J. TRUHLAR. HALIFAX: THE CONFERENCE. P.63.

1809

SCHAFFER, C.T., TAN, F.C., WILLIAMS, D.F., SMITH, J.N. 1985. LATE GLACIAL TO RECENT STRATIGRAPHY, PALEONTOLOGY, AND SEDIMENTARY PROCESSES: NEWFOUNDLAND CONTINENTAL SLOPE AND RISE. CANADIAN JOURNAL OF EARTH SCIENCES 22(2): 266-282.

1810

SCHAFFER, C.T., VILKS, G., ASCOLI, P. 1976. SYMPOSIUM ON BENTHONIC FORAMINIFERA. GEOSCIENCE CANADA 3(2): 119-122.

THIS REPORT DESCRIBES THE TECHNICAL CONTENT AND HIGHLIGHTS OF THE FIRST INTERNATIONAL SYMPOSIUM ON BENTHONIC FORAMINIFERA ("BENTHONICS '75") HELD IN HALIFAX IN AUGUST 1975.

1811

SCHAFFER, C.T., VILKS, G., ASCOLI, P. 1977. SUMMARY OF REPORTS. IN: INTERNATIONAL SYMPOSIUM ON BENTHONIC FORAMINIFERA OF CONTINENTAL MARGINS (1ST : 1975 : HALIFAX). MARITIME SEDIMENTS SPECIAL PUBLICATION 1: 773-778.

REPORT OF THE TECHNICAL CONTENT AND HIGHLIGHTS OF THE "BENTHONICS '75 SYMPOSIUM".

1812

SCHAFFER, C.T., WAGNER, F.J.E. 1978. FORAMINIFERA-MOLLUSC ASSOCIATIONS IN EASTERN CHALEUR BAY. CANADIAN JOURNAL OF EARTH SCIENCES 15(6): 889-901. (BIO CONTRIBUTION NO. 828).

DEEP BAY ENVIRONMENTS THAT ARE INFLUENCED BY ATLANTIC WATER ARE BEST CHARACTERIZED BY THE MOLLUSCS YOLDIA LIMATULA AND PERIPLOMA FRAGILE WHILE COLD GASPE CURRENT WATER FAVORS CERTAIN ARENACEOUS FORAMINIFERA SPECIES (E.G. REOPHAX SCOTTII).

1813

SCHAFFER, C.T., WAGNER, F.J.E., FERGUSON, C. 1975. OCCURRENCE OF FORAMINIFERA, MOLLUSCS AND OSTRACODS ADJACENT TO THE INDUSTRIALIZED SHORELINE OF CANSO STRAIT, NOVA SCOTIA. WATER, AIR AND SOIL POLLUTION 5(1): 79-96. (BIO CONTRIBUTION NO. 524).

THIS REPORT SUMMARIZES ENVIRONMENTAL RELATIONSHIPS IN CANSO STRAIT WITH PARTICULAR EMPHASIS ON CONDITIONS WITHIN THE OSTRACOD-BARREN ZONE.

1814

SCHAFFER, C.T., YOUNG, J.A. 1977. EXPERIMENTS ON MOBILITY AND TRANSPORTABILITY OF SOME NEARSHORE BENTHONIC FORAMINIFERA SPECIES. GEOLOGICAL SURVEY OF

CANADA PAPER 77-1C: 27-31.

1815

SCHAFFER, C.T., JOSEPHANS, H., FROBEL, D. 1986. SUBMERSIBLE INVESTIGATIONS: VIDEOTAPE OF EAST COAST BAFFIN ISLAND FJORDS AND ALONG THE EDGE OF THE LABRADOR AND [SIC] CONTINENTAL SHELF. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1297: 1 VIDEOTAPE.

PISCES IV WAS USED DURING SEVERAL 1985 EXPEDITIONS TO GROUND TRUTH SEISMIC REFLECTION AND SIDESCAN SONAR RECORDS, TO EVALUATE SUSPENDED SEDIMENTS IN THE WATER COLUMN AND ON THE SEAFLOOR ADJACENT TO TIDE WATER GLACIERS, AND TO SURVEY THE DETAILED MORPHOLOGY OF FRESH ICEBERG SCOUR FEATURES ON THE SHELF EDGE AND UPPER SLOPE OFF LABRADOR.

1816

SCHEIDEGGER, K.F., KULM, L.D. 1973. HEAVY MINERALOGY OF UNCONSOLIDATED SANDS IN NORTHEASTERN PACIFIC SEDIMENTS: LEG 18, DEEP SEA DRILLING PROJECT. IN: INITIAL REPORTS OF THE DEEP SEA DRILLING PROJECT, L.D. KULM, R. VON HUENE, ET AL. WASHINGTON: U.S. GOVERNMENT PRINTING OFFICE. V.18:877-887.

1817

SCHLEE, J.S., JANSKA, L.F. 1981. THE PALEOENVIRONMENT AND DEVELOPMENT OF THE EASTERN NORTH AMERICAN CONTINENTAL MARGIN. IN: INTERNATIONAL GEOLOGICAL CONGRESS (26TH : 1980 : PARIS) COLLOQUE C3, GEOLOGIE DES MARGES CONTINENTALES = GEOLOGY OF CONTINENTAL MARGINS. OCEANOLOGICA ACTA 4(SUPPLEMENT): 71-80.

GEOPHYSICAL STUDIES (MULTICHANNEL REFLECTION SEISMIC, GRAVITY AND MAGNETICS) WERE COMBINED WITH THE RESULTS OF OFFSHORE DRILLING TO RECONSTRUCT THE STRUCTURAL AND STRATIGRAPHIC DEVELOPMENT OF THE CONTINENTAL MARGIN FROM THE SOUTHERN GRAND BANKS TO FLORIDA.

1818

SCHOUTEN, H., SRIVASTAVA, S.P., KLITGORD, K.D. 1984. IBERIAN PLATE KINEMATICS: JUMPING PLATE BOUNDARIES, AN ALTERNATIVE TO BALL-BEARING PLATE TECTONICS [ABSTRACT]. EOS; TRANSACTIONS, AMERICAN GEOPHYSICAL UNION 65(16): 190.

AN ALTERNATIVE MODEL FOR THE IBERIAN PLATE IS PROPOSED: IT WAS EITHER PART OF THE EURASIAN OR AFRICAN PLATE, WITH THE BOUNDARY BETWEEN THESE TWO LATTER PLATES JUMPING SUCCESSIVELY TO DISCRETE LOCATIONS.

1819

SCHRODER, C.J. 1986. DEEP-WATER ARENACEOUS FORAMINIFERA IN THE NORTHWEST ATLANTIC OCEAN. CANADIAN TECHNICAL REPORT OF HYDROGRAPHY AND OCEAN SCIENCES 71. 191P.

THOROUGH REVISION OF 19TH CENTURY TAXONOMY OF CLASSICAL DEEP MARINE FAUNA; DESCRIPTIVE ECOLOGICAL MODEL AND MODEL FOR FOSSILISATION POTENTIAL; TWENTY SIX PLATES SUPPORT TAXONOMY.

1820

SCOTT, D.B., BAKI, V., MACKINNON, K., MUDIE, P.J., COLE, F. 1986. PLEISTOCENE

TRENDS OF BENTHONIC FORAMINIFERA IN ARCTIC OCEAN CESAR CORES: COMPARISON WITH ISOTOPIC AND PALYNOLOGICAL RECORDS [ABSTRACT]. GEOLOGICAL ASSOCIATION OF CANADA/MINERALOGICAL ASSOCIATION OF CANADA/CANADIAN GEOPHYSICAL UNION, PROGRAM WITH ABSTRACTS 11: 125.

BENTHIC FORAMINIFERA SPECIES IN CORES FROM THE ALPHA RIDGE SHOW EVOLUTIONARY TRENDS WHICH PROBABLY REFLECT MAJOR CHANGES IN BOTTOM WATER MASSES DURING THE PAST 0.4 MA. THE OXYGEN ISOTOPE RECORD FOR THE BENTHIC FORAMINIFERA SHOWS CYCLICAL CHANGES SIMILAR TO THE PLANKTONIC FORAMINIFERAL RECORD BUT OF LOWER AMPLITUDE, AS EXPECTED FOR INCOMPLETE MIXING OF SURFACE AND BOTTOM WATER.

1821

SCOTT, D.B., BAKI, V., YOUNGER, C.D., MUDIE, P.J., VILKS, G. 1984. OXYGEN ISOTOPE STUDIES ON LATE PLEISTOCENE-HOLOCENE BENTHONIC FORAMINIFERA FROM THE EASTERN CANADIAN MARGIN [ABSTRACT]. GEOLOGICAL SOCIETY OF AMERICA, ABSTRACTS WITH PROGRAMS 16(6): 649.

1822

SCOTT, D., GRADSTEIN, F., SCHAFFER, C., MILLER, A., WILLIAMSON, M. 1983. THE RECENT AS A KEY TO THE PAST: DOES IT APPLY TO AGGLUTINATED FORAMINIFERAL ASSEMBLAGES?. IN: PROCEEDINGS OF THE WORKSHOP ON ARENACEOUS FORAMINIFERA (1ST : 1981 : AMSTERDAM, NETHERLANDS), ED., J.G. VERDENIUS, J.E. VAN HINTE, AND A.R. FORTUIN. TRONDHEIM, NORWAY: CONTINENTAL SHELF INSTITUTE. P.147-157. (INSTITUTT FOR KONTINENTALSOKKELUNDERSOKELSER, IKU PUBLICATION 108).

MARSH FAUNA ARE STABLE THROUGH TIME AND COMPLETELY DISTINCT FROM DEEP WATER FAUNA. THE SEARCH FOR THE "LIVING FLYSCH-TYPE" FAUNA CAN BE RESTRICTED TO THE MODERN SLOPES; WORLDWIDE BATHYMETRIC DISTRIBUTION CONFIRMS THE GRADSTEIN-BERGGREN PALEOBATHYMETRIC MODEL FOR THE LABRADOR AND NORTH SEAS.

1823

SCOTT, D.B., MEDIOLI, F.S., SCHAFFER, C.T. 1977. TEMPORAL CHANGES IN FORAMINIFERAL DISTRIBUTIONS IN MIRAMICHI RIVER ESTUARY NEW BRUNSWICK. CANADIAN JOURNAL OF EARTH SCIENCES 14(7): 1566-1587. (BIO CONTRIBUTION NO. 667).

THE ESTABLISHMENT OF A TRANSITIONAL FORAMINIFERAL ASSEMBLAGE IN INNER MIRAMICHI BAY OVER THE PAST 10 YEARS IS INDICATIVE OF A SIGNIFICANT DECREASE IN TIDAL FLUSHING.

1824

SCOTT, D.B., MUDIE, P.J., BRADSHAW, J.S. 1976. BENTHONIC FORAMINIFERA OF THREE SOUTHERN CALIFORNIA LAGOONS: ECOLOGY AND RECENT STRATIGRAPHY. JOURNAL OF FORAMINIFERAL RESEARCH 6(1): 59-75.

1825

SCOTT, D.B., MUDIE, P.J., VILKS, G. 1982. HOLOCENE-LATE WISCONSIAN PALEOCEANOGRAPHIC EVENTS ON THE SCOTIAN SHELF, CANADA [ABSTRACT]. GEOLOGICAL SOCIETY OF AMERICA, ABSTRACTS WITH PROGRAMS 14(7): 613.

1826

SCOTT, D.B., MUDIE, P.J., VILKS, G., YOUNGER, D.C. 1984. LATEST PLEISTOCENE-HOLOCENE PALEOCEANOGRAPHIC TRENDS ON THE CONTINENTAL MARGIN OF EASTERN CANADA: FORAMINIFERAL, DINOFLAGELLATE AND POLLEN EVIDENCE. MARINE MICROPALAEONTOLOGY 9(3): 181-218.

1827

SCOTT, D.B., PIPER, D.J.W., PANAGOS, A.G. 1979. RECENT SALT MARSH AND INTERTIDAL MUDFLAT FORAMINIFERA FROM THE WESTERN COAST OF GREECE. RIVISTA ITALIANA DI PALEONTOLOGIA E STRATIGRAFIA 85(1): 243-266.

1828

SEARLE, R.C., BUCKLEY, D., AUFFRET, G., SCHUTTENHELM, R., KELTS, K., LAINE, E. 1982. SITE SELECTION TASK GROUP (SSTG). IN: INTERNATIONAL NEA/SEABED WORKING GROUP MEETING (7TH : 1982 : LA JOLLA, CALIFORNIA), ED., D.R. ANDERSON. ALBUQUERQUE, NM: SANDIA NATIONAL LABORATORIES. P.69-96. AVAILABLE FROM: NTIS, SAND 82-0460.

1829

SEARLE, R.C., LAUGHTON, A.S., LONCAREVIC, B.D. 1978. SITE SURVEY FOR SITE 410, AN EXAMPLE OF THE USE OF LONG-RANGE SIDE-SCAN SONAR (GLORIA). IN: INITIAL REPORTS OF THE DEEP SEA DRILLING PROJECT, B.P. LUYENDYK ET AL. WASHINGTON: U.S. GOVERNMENT PRINTING OFFICE. V.49: 413-418.

1830

SEGALL, M.P., BARRIE, J.V., LEWIS, C.F.M., MAHER, M.L.J. 1985. CLAY MINERALS ACROSS THE TERTIARY-QUATERNARY BOUNDARY, NORTHEASTERN GRAND BANKS OF NEWFOUNDLAND: PRELIMINARY RESULTS. GEOLOGICAL SURVEY OF CANADA PAPER 85-1B: 63-68.

XRD AND SEM ANALYSES OF CLAY-SIZED MINERALOGY IN VIBROCORES FROM HIBERNIA AREA SUGGEST 2 DISTINCT UNITS; AN UPPER SAND AND GRAVEL (QUATERNARY) CHARACTERIZED BY ILLITE, CHLORITE, QUARTZ, FELDSPAR CLAYS FROM NORTHERN CONTINENTAL SOURCES AND A LOWER (TERTIARY) UNIT CHARACTERIZED BY EXPANDABLE CLAYS AND KAOLINITE SUGGESTIVE OF MINERALOGICAL ALTERATION DURING A LONG PERIOD OF SUBAERIAL EXPOSURE PRIOR TO THE LATE PLEISTOCENE EXPOSURE PRIOR TO THE LATE PLEISTOCENE-HOLOCENE MARINE TRANSGRESSION.

1831

SEGALL, M.P., BUCKLEY, D.E., LEWIS, C.F.M. 1987. CLAY MINERAL INDICATORS OF GEOLOGICAL AND GEOCHEMICAL SUBAERIAL MODIFICATION OF NEAR-SURFACE TERTIARY SEDIMENTS ON THE NORTHEASTERN GRAND BANKS OF NEWFOUNDLAND. CANADIAN JOURNAL OF EARTH SCIENCES 24(11): 2172-2187. (GEOLOGICAL SURVEY OF CANADA CONTRIBUTION 40186).

TWO CHEMICALLY DISTINCT DEPOSITIONAL ENVIRONMENTS HAVE BEEN IDENTIFIED IN THE NEAR-SURFACE TERTIARY SEDIMENTS BASED ON MINERALOGICAL EVIDENCE. THESE ARE (1) AN ACIDIC, LECHING WEATHERED ZONE PROBABLY FORMED UNDER SUBAERIAL CONDITIONS, AND (2) AN ALKALINE MARINE ENVIRONMENT WHICH REFLECTS DEPOSITION UNDER A SHALLOW PROGRADING SHELF CONDITION.

1832

SEGALL, M.P., LEWIS, C.F.M., ET AL 1987. GEOLOGICAL AND MINERALOGICAL INTERPRETATION OF SHALLOW SEDIMENTS FROM THE NORTHEASTERN GRAND BANKS OF NEWFOUNDLAND. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1439. 109 P.

CLAY SIZED MINERALS FROM 13 SITES (51 SAMPLES) ON THE NORTHEASTERN GRAND BANKS HAVE BEEN ANALYSED WITH X-RAY DIFFRACTION AND SCANNING ELECTRON MICROSCOPE TECHNIQUES. THREE CLAY-MINERAL STRATIGRAPHIC UNITS ARE INTERPRETED FOR THE SHALLOW GEOLOGY TO 130M SUBSEABED DEPTH. BENEATH LATE PLEISTOCENE-HOLOCENE SEDIMENTS WITH HIGH ILLITE AND CHLORITE RELATIVE CONCENTRATION, TWO CHEMICAL ENVIRONMENTS IN TERTIARY SEDIMENTS OCCUR, AN UPPERMOST KAOLINITE-BEARING WEATHERED ZONE.

1833

SEIBOLD, E., JANSÁ, L.F., ET AL 1977. SUBSIDENCE AND UPLIFT OFF WEST AFRICA, GEOLOGICAL RESULTS FROM LEG 41, DEEP SEA DRILLING PROJECT. IN: SYMPOSIO INTERNACIONAL SOBRE AS MARGENS CONTINENTAIS DE TIPO ATLANTICO, DE ALMEIDA, F.F.M. ACADEMIA BRASILEIRA DE CIENCIAS ANAIS 48. P. 297.

ABSTRACT OF THE TALK PRESENTED AT THE INTERNATIONAL SYMPOSIUM ON CONTINENTAL MARGINS OF ATLANTIC TYPE, ST. PAUL, BRAZIL, OCTOBER 13-18, 1975.

1834

SEIBOLD, E., LANCELOT, Y., CEPEK, P., DEAN, W.E., EREMEEV, V., GARDNER, J.V., JANSÁ, L.F., [ET AL.] 1976. SUBSIDENCE AND UPLIFT OFF WEST AFRICA - GEOLOGICAL RESULTS FROM LEG 41, DEEP SEA DRILLING PROJECT [ABSTRACT]. IN: PROCEEDINGS OF THE INTERNATIONAL SYMPOSIUM ON CONTINENTAL MARGINS OF ATLANTIC TYPE (1975 : SAO PAULO, BRAZIL). ANAIS DA ACADEMIA BRASILEIRA DE CIENCIAS 48(SUPPLEMENTO): 297.

1835

SEMPELS, J.M., MCLAREN, P. 1979. BASIC COMPUTER PROGRAMS FOR THE POSITIONING, RECORDING AND DISPLAY OF SPATIALLY DISTRIBUTED DATA. GEOLOGICAL SURVEY OF CANADA PAPER 79-1C: 41-50.

THREE COMPUTER PROGRAMS IMPLEMENTED IN BASIC ARE USED WITH A MINI-COMPUTER, A GRAPHIC CATHODE RAY TUBE (CRT) AND A DIGITAL PLOTTER TO (I) RECORD A VARIETY OF RANGE AND BEARING INFORMATION IN ORDER TO CALCULATE AND DISPLAY THE POSITION ON THE CRT, (II) RECORD DATA COLLECTED AT THE POSITION AND (III) DISPLAY ON SEPARATE MAPS PRODUCED ON THE DIGITAL PLOTTER ALL POSITIONS AND/OR THE DATA RECORDED AT THE POSITIONS.

1836

SEN GUPTA, B.K., GRANT, A.C. 1971. ORBITOLINA, A CRETACEOUS LARGER FORAMINIFER FROM FLEMISH CAP: PALAEOCEANOGRAPHIC IMPLICATIONS. SCIENCE 173(4000): 934-936.

ALL OTHER OCCURRENCES OF THIS GENUS OF FORAMINIFER IN THE NORTH ATLANTIC ARE SOUTH OF 3N. ITS ABUNDANCE IN A GRAIN-SUPPORTED LIMESTONE INDICATES A TROPICAL NERITIC ENVIRONMENT AND PRECLUDES THE INFLUENCE OF ARCTIC WATERS IN THE FLEMISH CAP REGION IN THE EARLY CRETACEOUS.

1837

SEN GUPTA, B.K., SCHAFER, C.T. 1973. HOLOCENE BENTHONIC FORAMINIFERA IN LEEWARD BAYS OF ST. LUCIA, WEST INDIES. MICROPALAEONTOLOGY 19(3): 341-365. (BIO CONTRIBUTION NO. 390).

THE DIFFERENCE BETWEEN A FORAMINIFERAL ASSEMBLAGE ASSOCIATED WITH CARIBBEAN REEF PATCHES AND ONE ASSOCIATED WITH FINE SEDIMENT IN A PROTECTED LOW ENERGY ENVIRONMENT IS SEEN ON A LOCAL SCALE IN TWO ADJACENT SMALL BAYS SHALLOWER THAN 25M.

1838

SERPA, L., DE VOGD, B. 1987. DEEP SEISMIC REFLECTION EVIDENCE FOR THE ROLE OF EXTENSION IN THE EVOLUTION OF CONTINENTAL CRUST. GEOPHYSICAL JOURNAL OF THE ROYAL ASTRONOMICAL SOCIETY 89: 55-60. (GEOLOGICAL SURVEY OF CANADA CONTRIBUTION NO. 38086).

DEEP SEISMIC REFLECTION DATA (COCORP AND OTHERS) ARE BRIEFLY DISCUSSED TO SUGGEST THAT EXTENSION PLAYS A MAJOR ROLE IN THE GROWTH AND STABILIZATION OF CONTINENTAL CRUST.

1839

SHAW, J., FORBES, D.L. 1987. COASTAL BARRIER AND BEACH-RIDGE SEDIMENTATION IN NEWFOUNDLAND. IN: PROCEEDINGS; CANADIAN COASTAL CONFERENCE (1987). THE CONFERENCE. P. 437-454.

A NUMBER OF SITES ON THE COAST OF NEWFOUNDLAND ILLUSTRATE THE INTERACTIONS BETWEEN DISTRIBUTION AND CHARACTER OF GLACIGENIC SEDIMENT SOURCES, RELATIVE SEA LEVEL BEHAVIOUR, LOCAL PHYSIOGRAPHIC SETTING AND COASTAL PROCESSES. BEACH-RIDGE COMPLEXES CAN FORM MAJOR SEDIMENT SINKS AND MANY SITES ARE INTIMATELY RELATED TO LARGE LOCAL GLACIGENIC SEDIMENT SOURCES.

1840

SHEARER, J.M., BLASCO, S.M. 1977. SURFICIAL GEOLOGY AND RECENT GEOLOGICAL HISTORY OF THE BEAUFORT SEA [ABSTRACT]. GEOLOGICAL ASSOCIATION OF CANADA/MINERALOGICAL ASSOCIATION OF CANADA/SOCIETY OF ECONOMIC GEOLOGISTS/CANADIAN GEOPHYSICAL UNION, PROGRAM WITH ABSTRACTS 2: 42.

1841

SHEARER, J., BLASCO, S.M. 1986. REGIONAL CORRELATION OF BEAUFORT SEA ICE SCOUR EXTREME DEPTH AND RELATIVE AGE WITH ENVIRONMENTAL FACTORS. IN: ICE SCOUR AND SEABED ENGINEERING : PROCEEDINGS OF A WORKSHOP ON ICE SCOUR RESEARCH, ED., C.F.M. LEWIS [ET AL.]. OTTAWA: ENVIRONMENTAL STUDIES REVOLVING FUNDS. P.167-169. (ENVIRONMENTAL STUDIES REVOLVING FUNDS REPORT NO. 049).

1842

SHEPARD, L.E., AUFFRET, G.A., BUCKLEY, D.E., SCHUTTENHELM, R.T.E., SEARLE, R.C. 1988. FEASIBILITY OF DISPOSAL OF HIGH-LEVEL RADIOACTIVE WASTES INTO THE SEABED: GEOSCIENCE CHARACTERIZATION STUDIES. SANDIA NATIONAL LABORATORIES, SANDIA REPORT SAND87-1913: 303. (GEOLOGICAL SURVEY OF CANADA CONTRIBUTION 17187).

THIS REPORT SUMMARIZES THE RESULTS OF THE GEOSCIENCE CHARACTERIZATION STUDIES THAT HAVE BEEN PERFORMED BY INVESTIGATORS FROM MEMBER NATIONS OF SEABED WORKING GROUP SINCE ITS INCEPTION IN 1979. RESULTS OF THESE STUDIES SUGGEST THAT ONLY ONE SITE COULD BE FOUND IN 15 AREAS INVESTIGATED, THAT APPEARS TO MEET NEARLY ALL OF THE MINIMAL SITE ASSESSMENT GUIDELINES FOR SELECTION OF A HIGH-LEVEL NUCLEAR WASTE DISPOSAL SITE IN DEEP OCEAN SEDIMENTS.

1843

SHEPHARD, L.E., BUCKLEY, D.E., CRANSTON, R.E., SCHUTTENHELM, R.T.E., ET AL 1987. THE SUBSEABED DISPOSAL PROGRAM: QUALIFICATION GUIDELINES AND GEOSCIENCE CHARACTERISTICS OF TWO NORTH ATLANTIC ABYSSAL PLAIN STUDY AREAS. IN: THE GEOLOGICAL DISPOSAL OF HIGH LEVEL RADIOACTIVE WASTES, BROOKINS, D.G. (ED). ATHENS : THE OPHRASTUS PUBLICATIONS, S.A. P.589-606. (GEOLOGICAL SURVEY OF CANADA CONTRIBUTION 12586).

TWO NORTH ATLANTIC ABYSSAL PLAINS ARE BEING CHARACTERIZED USING SPECIFIC PROCEDURES AND METHODS TO EVALUATE FACTORS COMPOSING THE SITE QUALIFICATION GUIDELINES, FOR POSSIBLE HIGHLEVEL NUCLEAR WASTE DISPOSAL. MARKED GEOSCIENCE CHARACTERISTICS DIFFER BETWEEN THESE TWO PLAINS, WITH THE GREAT METEOR EAST SITE IN THE MADEIRA ABYSSAL PLAIN BEING DOMINATED BY WIDE-SPREAD CALCAREOUS TURBIDITES, WHEREAS THE SOUTHERN NARES ABYSSAL PLAIN CONTAINS DISCONTINUOUS TERRIGENOUS TURBIDITES.

1844

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BAHAMA BASIN. IN: INITIAL REPORTS OF THE DEEP SEA DRILLING PROJECT, [BY] R.E. SHERIDAN, F.M. GRADSTEIN, ET AL. WASHINGTON: U.S. GOVERNMENT PRINTING OFFICE. V.76: 141-340.

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SHERIN, A. 1976. GEOLOGICAL DATA MANAGEMENT: WHAT IT MEANS TO THE WORKING GEOLOGIST [ABSTRACT]. MARITIME SEDIMENTS 12(3): 109.

THE OVERALL STRUCTURE OF THE GEOLOGICAL DATA BASE AT THE ATLANTIC GEOSCIENCE CENTRE, DARIMOUTH, N.S., IS PRESENTED AND THE MODULES PRESENTLY IN OPERATION ARE DESCRIBED BRIEFLY. BY THE USE OF SEVERAL CASE HISTORIES THE AUTHOR SHOWS HOW THESE DEVELOPMENTS HAVE HELPED THE GEOLOGIST USE HIS TIME MORE EFFECTIVELY. THE IMPLICATIONS OF THE AVAILABILITY OF THE GEOLOGICAL DATA BASE TO RESOURCE MANAGEMENT AND PROJECT PLANNING IS TOUCHED BRIEFLY.

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THE DOCUMENT BRIEFLY OUTLINES THE TYPES OF INFORMATION AVAILABLE FROM AGC AND RELATED ORGANIZATIONS, SERVICES OFFERED BY AGC DATA SECTION AND HOW TO ACQUIRE INFORMATION FROM AGC. THE DOCUMENT INCLUDES A LIST OF AGC PROJECTS AND AGC OPEN FILES.

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- 1864
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- THIS REPORT DOCUMENTS THE SHIPBOARD DATA PROCESSING SYSTEM SET UP BY THE MARINE GEOPHYSICS SECTION OF THE BEDFORD INSTITUTE OF OCEANOGRAPHY. METHODS AND PROCEDURES FOR GRAVITY AND MAGNETIC DATA REDUCTION AT SEA ARE DESCRIBED. THIS REPORT IS FOR GENERAL INFORMATION. DETAILS OF THE DATA PROCESSING PROGRAM FOR THE PDP-8 COMPUTER AND HP-2100A COMPUTER WILL BE DOCUMENTED IN THE FUTURE.
- 1867
SHIH, K.G. 1974. ATLANTIC GEOSCIENCE CENTRE MARINE GEOSCIENCE DATA STORAGE AND RETRIEVAL SYSTEM. GEOLOGICAL SURVEY OF CANADA PAPER 74-60: 85-89.
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SHIH, K.G. 1974. GRAVITY AND MAGNETIC DATA AT THE MID-ATLANTIC RIDGE NEAR 45 N; HUDSON 65-06, HUDSON 66-19, AND HUDSON 68-22 DIGITIZED DATA RELEASED THROUGH THE GSC OPEN FILE. GEOLOGICAL SURVEY OF CANADA OPEN FILE 223. 15P.
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SHIH, K.G. 1975. DATA STORAGE AND RETRIEVAL USING GEODATABASE WITH APPLICATION OF GEOPHYSICAL DATA IN MARDSEN SQUARE 151. GEOLOGICAL SURVEY OF CANADA OPEN FILE 337. 231P.
- DATA STORAGE AND RETRIEVAL USING GEODATABASE IS DESCRIBED IN THIS REPORT. DATA COLLECTED FROM SIX CRUISES HAVE BEEN ENTERED INTO GEODATABASE. THE AVAILABLE DATA COVER MARDSEN SQUARE (MSQ) 114, 115, 149, 150, 151, 186, AND 187. SIX MINUTE-GRID MEAN VALUES OF FREE AIR GRAVITY AND MAGNETIC ANOMALIES IN MSQ 151 ARE GIVEN IN THIS REPORT. THE RESULTS ARE BASED ON 96, 000 DATA STATIONS AVAILABLE IN MSQ 151.
- 1870
SHIH, K.G. 1976. SIX-MINUTE GRID MEAN VALUES OF FREE AIR GRAVITY AND MAGNETIC ANOMALIES IN MARDSEN SQUARE 149. GEOLOGICAL SURVEY OF CANADA OPEN FILE 387. 15P.

THE FILE CONTAINS SIX-MINUTE GRID MEAN VALUES OF FREE AIR GRAVITY AND MAGNETIC ANOMALIES IN MARDSEN SQUARE 149. THE RESULTS WERE CALCULATED ON DATA COLLECTED ON FIVE CRUISES FROM 107,000 STATIONS. THE NUMBER OF

STATIONS IN EACH ONE DEGREE SQUARE IN MARSDEN SQUARE 149 ARE ALSO GIVEN. THIS IS NOT THE FINAL REPORT.

1871

SHIH, K.G. 1976. SIX-MINUTE GRID MEAN VALUES OF FREE AIR GRAVITY AND MAGNETIC ANOMALIES IN MARSDEN SQUARE 186. GEOLOGICAL SURVEY OF CANADA OPEN FILE 404. 214P.

THE FILE CONTAINS SIX-MINUTE GRID MEAN VALUES OF FREE AIR GRAVITY AND MAGNETIC ANOMALIES IN MARSDEN SQUARE 186. THE RESULTS WERE CALCULATED ON DATA COLLECTED ON FIVE CRUISES FROM 147,800 STATIONS. THE NUMBER OF STATIONS AND MEAN, MAXIMUM AND MINIMUM VALUES OF FREE AIR GRAVITY AND MAGNETIC ANOMALIES IN EACH ONE DEGREE IN MARSDEN SQUARE 186 ARE ALSO GIVEN. THIS IS NOT THE FINAL REPORT.

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SIX-MINUTE GRID MEAN VALUES OF FREE AIR GRAVITY AND MAGNETIC ANOMALIES IN MARSDEN SQUARE 150 WERE CALCULATED ON DATA COLLECTED ON NINE CRUISES FROM 140,000 STATIONS. ALTHOUGH THIS IS NOT THE FINAL DATA REPORT, IT IS FELT THAT THE BASIC DATA WILL BE VALUABLE TO INTERESTED PARTIES.

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SHIH, K.G. 1979. SEA BASE GRAVITY VALUES IN MARSDEN SQUARE 150. BEDFORD INSTITUTE OF OCEANOGRAPHY DATA SERIES BI-D-79-2. 14P.

A SEA BASE GRAVITY VALUE IS DEFINED FOR LOCATIONS WHERE THE GRAVITY DATA PSEUDO-CROSSOVER DISCREPANCY FROM TWO DIFFERENT CRUISES IS LESS THAN 4.5 MGAL. A TOTAL OF 2655 SEA BASE GRAVITY VALUES FOR MARSDEN SQUARE 150 IS OBTAINED AND GIVEN IN THIS REPORT. THESE SEA BASE GRAVITY VALUES CAN BE USED AS CHECK-POINTS FOR PROVIDING AN ESTIMATE OF GRAVITY MEASUREMENT ACCURACY OR FOR IDENTIFYING MALFUNCTIONS OF THE GRAVIMETER SYSTEM AT SEA.

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SHIH, K.G., DOHERTY, F., MACNAB, R. 1983. A FAST POLYNOMIAL APPROXIMATION OF THE INTERNATIONAL GEOMAGNETIC REFERENCE FIELDS. GEOLOGICAL SURVEY OF CANADA PAPER 83-1A: 486.

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SHIH, K.G., HARDY, I.A., SHERIN, A.G. 1974. A FEASIBILITY STUDY OF COMPUTER-BASED SUBSURFACE DATA SYSTEMS. GEOLOGICAL SURVEY OF CANADA PAPER 74-1B: 163-164.

A DESCRIPTION OF A COMPUTER-BASED SUBSURFACE DATA SYSTEM AT THE ATLANTIC

GEOSCIENCE CENTRE, FOR GEOLOGICAL DATA ON OFFSHORE DRILLING AND OCEAN-BOTTOM SAMPLING PROGRAMS.

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SHIH, K.G., HARDY, I.A., SHERIN, A.G. 1974. SUBSURFACE DATA SYSTEM AT THE ATLANTIC GEOSCIENCE CENTRE. GEOLOGICAL SURVEY OF CANADA PAPER 74-60: 91-94.

A DESCRIPTION OF THE DEVELOPMENT OF A DATA STORAGE AND RETRIEVAL SYSTEM.

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SHIH, K.G., JOHNSTON, B.L., SRIVASTAVA, S.P. 1972. BATHYMETRIC AND MAGNETIC DATA COLLECTED IN THE NORTHEASTERN PACIFIC OCEAN AND BERING SEAS ON BOARD CSS PARIZEAU 1970. BEDFORD INSTITUTE OF OCEANOGRAPHY DATA SERIES B1-D-72-13. 194P.

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THREE NEW GEOMAGNETIC FIELD MODELS ARE USED TO DERIVE MAGNETIC ANOMALY VALUES FROM TWO SELECTED DATA SETS, AND ARE FOUND TO YIELD BETTER RESULTS THAN THE STANDARD IGRF MODELS.

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THE DERIVATION OF THE GRAVITATIONAL EFFECT OF RECTANGULAR PRISMS IS REVIEWED. THE EXECUTION TIMES OF THREE DIFFERENT ALGORITHMS ON THE CYBER 173 COMPUTER ARE ALSO INVESTIGATED. THE RATIOS OF THE EXECUTION TIMES OF THE THREE DIFFERENT ALGORITHMS 1769 : 683 : 87.

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SHIH, K.G., MANCHESTER, K.S. 1973. GEOLOGICAL INTERPRETATION OF UNDERWATER PHOTOGRAPHS OBTAINED ON THE MID-ATLANTIC RIDGE; CSS HUDSON 68-022. BEDFORD INSTITUTE OF OCEANOGRAPHY DATA SERIES B1-D-73-1. 179P.

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GRAVITY, MAGNETIC AND BATHYMETRIC DATA COLLECTED IN BAFFIN BAY NORTH OF 70N ON CRUISES HUDSON 71-032 AND HUDSON 74-026 ARE GEOGRAPHICALLY SORTED AND STORED ON MAGNETIC TAPE.

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SHIH, K.G., ROSS, D.I., JOHNSTON, B.L. 1972. GRAVITY AND MAGNETIC DATA OF BAFFIN BAY COLLECTED IN 1970 CSS HUDSON AND CSS BAFFIN CRUISES. BEDFORD INSTITUTE OF OCEANOGRAPHY DATA SERIES B1-D-72-5: 246P.

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BEDFORMS IMAGED WITH SEA MARC I: SAND WAVES GENERATED BY A TURBIDITY CURRENT FOLLOWING THE 1929 GRAND BANKS EARTHQUAKE [ABSTRACT]. EOS; TRANSACTIONS, AMERICAN GEOPHYSICAL UNION 64(52): 1032.

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SIMPKIN, P.G. 1978. EVALUATION OF BROADBAND, HIGH RESOLUTION SEISMIC DATA FOR SEAFLOOR SEDIMENT CLASSIFICATION. IN: PROCEEDINGS OF OCEANOLOGY INTERNATIONAL (4TH: 1978 : BRIGHTON, ENGLAND). LONDON: THE CONFERENCE. V.J: 25-30.

A REVIEW OF THE STATUS OF THE "SEABED" PROJECT SHOWING THE POTENTIAL IN USING MODERN SIGNAL PROCESSING TECHNIQUES ON HIGH RESOLUTION SEISMIC DATA TO INVESTIGATE SEAFLOOR SEDIMENTS.

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SIMPKIN, P.J. 1987. PROCEEDINGS OF THE ACOUSTIC-GEOTECHNICAL CORRELATION WORKSHOP. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1519. 250 P.

SUMMARY DISCUSSIONS OF 22 TECHNICAL PRESENTATIONS AND SUBSEQUENT QUESTIONS RELATED TO GEOLOGICAL/GEOTECHNICAL ASPECTS OF THE CORRELATION OF ACOUSTIC AND PHYSICAL PROPERTIES OF MARINE SEDIMENTS. THE DERIVATION OF GEOTECHNICAL PROPERTIES THROUGH ACOUSTIC MEASUREMENTS IS A LONG TERM PROBLEM. MAJOR ADVANCES WILL PROBABLY BE MADE BY THE INTEGRATIVE, INTEGRATED APPLICATION OF GEOLOGICAL/GEOPHYSICAL/GEOTECHNICAL ASPECTS.

1899

SIMPKIN, P.G., PARROTT, D.R. 1985. EFFECTS OF SMALL SCALE SEAFLOOR ROUGHNESS ON ACOUSTIC REFLECTIVITY MEASUREMENTS ON THE NEWFOUNDLAND SHELF. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1164. 108P. & 13 SHEETS.

THE EFFECT OF SEAFLOOR ROUGHNESS ON THE SPECTRAL CONTENT OF ECHOES PRODUCED BY A BOOMER PROFILING SYSTEM (THE HUNTEC DTS SYSTEM) ARE EVALUATED. ESTIMATES OF ROUGHNESS USING SHOT TO SHOT COHERENCE AT

DISCRETE POSITIONS ARE COMPARED TO ROUGHNESS OBTAINED FROM A SUITE OF BOTTOM PHOTOGRAPHS. MAYER PROVIDES A CRITIQUE OF THE WORK AND SUGGESTIONS FOR FOLLOW UP.

1900

SIMPKIN, P.G., PARROTT, D.R. 1987. EFFECTS OF SMALL SCALE SEAFLOOR ROUGHNESS ON ACOUSTIC REFLECTIVITY MEASUREMENTS ON THE NEWFOUNDLAND SHELF. PROCEEDINGS, THE OCEANS - AN INTERNATIONAL WORKPLACE 3: 1181-1189. (GEOLOGICAL SURVEY OF CANADA CONTRIBUTION 22287).

THE EFFECTS OF SEAFLOOR ROUGHNESS ON THE SPECTRAL CONTENT OF SEAFLOOR ECHOES PRODUCED BY A BOOMER PROFILING SYSTEM ARE DISCUSSED. ESTIMATES OF ROUGHNESS USING SHOT TO SHOT COHERENCE AT DISCRETE POSITIONS ARE COMPARED TO ROUGHNESS FROM A SUITE OF BOTTOM PHOTOGRAPHS.

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TTI MODELS HAVE BEEN GENERATED TO FIT THE GEOHISTORIES AND VITRINITE REFLECTANCE PROFILES OF TWENTY WELLS IN THE JEANNE D'ARC BASIN AND THE RESULTS SUGGEST A THERMAL HISTORY WITH A HIGHER THAN AVERAGE HEAT FLOW.

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SLATT, R.M., PIPER, D.J.W. 1974. SAND-SILT PETROLOGY AND SEDIMENT DISPERSAL IN THE GULF OF ALASKA. JOURNAL OF SEDIMENTARY PETROLOGY 44(4): 1061-1071.

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SLY, P.G., LEWIS, C.F.M. 1972. THE GREAT LAKES OF CANADA - QUATERNARY GEOLOGY AND LIMNOLOGY; GUIDEBOOK FOR FIELD EXCURSION A-43. IN: INTERNATIONAL GEOLOGICAL CONGRESS (24TH : 1972 : MONTREAL, QUEBEC) SECTION 16. OTTAWA, ONT.: THE CONGRESS. 92P.

1905

SMITH, J.N., BOUDREAU, B.P., NOSHKIN, V. 1987. PLUTONIUM AND 210PB DISTRIBUTIONS IN NORTHEAST ATLANTIC SEDIMENTS: SUBSURFACE ANOMALIES CAUSED BY NON-LOCAL MIXING. EARTH AND PLANETARY SCIENCE LETTERS 81: 15-28.

SUBSURFACE MAXIMA OF 210PB AND 239, 240PU IN NORTHEAST ATLANTIC SEDIMENTS

ARE DUE TO SUBSURFACE DEFECATION BY THE MARINE ANNELID SIPUNCULIDA. A MATHEMATICAL MODEL IS FORMULATED TO SIMULATE THIS PHENOMENA. SUBSURFACE PEAKS OF THESE ISOTOPES, ARE COMMONLY OBSERVED AND MAY BE DUE TO RELATED NONLOCAL TRANSPORT.

1906

SMITH, J.N., ELLIS, K., SCHAFFER, C.T. 1985. AN EIGHTY YEAR RECORD OF SEASONALLY MODULATED SEDIMENT ACCUMULATION RATES BASED ON PB-210 AND PLUTONIUM MEASUREMENTS [ABSTRACT]. IN: PROGRAMME ET RESUMES; CONGRES ANNUEL, SOCIETE CANADIENNE DE METEOROLOGIE ET D'OCEANOGRAPHIE (19E : 1985: UNIVERSITE DU QUEBEC A MONTREAL) = PROGRAM AND ABSTRACTS; ANNUAL CONGRESS, CANADIAN METEOROLOGICAL AND OCEANOGRAPHIC SOCIETY (19TH : 1985 : UNIVERSITE DU QUEBEC A MONTREAL). [MONTREAL?: LE CONGRES?]. P.31-32.

ANNUAL MODULATIONS OF 20% TO 50% IN THE SEDIMENTATION RATE NEAR THE HEAD OF THE SAGUENAY FJORD ARE CAUSED BY ANOMALOUS INPUTS OF COARSE SILTS AND FINE SAND DURING HIGH SPRING RIVER DISCHARGE EVENTS. THE FLUX OF SAND IS AN INDEPENDENT INDICATOR FOR SHORT INTERVALS OF HIGH RIVER DISCHARGE.

1907

SMITH, J.N., SCHAFFER, C.T. 1980. BIOTURBATION OF SURFICIAL SEDIMENTS ON THE CONTINENTAL SLOPE, EAST OF NEWFOUNDLAND. IN: PROCEEDINGS OF THE NEA SEMINAR ON MARINE RADIOECOLOGY = COMPTE RENDU DU COLLOQUE DE L'AEN SUR LA RADIOECOLOGIE MARINE (3RD : 1979 : TOKYO). PARIS: NUCLEAR ENERGY AGENCY, ORGANISATION FOR ECONOMIC CO-OPERATION AND DEVELOPMENT. P.225-236.

A DECREASE IN THE FLUX OF ORGANIC MATTER TO THE BOTTOM BELOW THE CORE OF THE WESTERN BOUNDARY UNDERCURRENT SIGNIFICANTLY REDUCES THE MIXING (BIOTURBATION) DEPTH IN THIS BATHYAL ENVIRONMENT.

1908

SMITH, J.N., SCHAFFER, C.T. 1984. BIOTURBATION PROCESSES IN CONTINENTAL SLOPE AND RISE SEDIMENTS DELINEATED BY PB-210, MICROFOSSIL AND TEXTURAL INDICATORS. JOURNAL OF MARINE RESEARCH 42(4): 1117-1145.

1909

SMITH, J.N., SCHAFFER, C.T. 1987. A 20TH-CENTURY RECORD OF CLIMATOLOGICALLY MODULATED SEDIMENT ACCUMULATION RATES IN A CANADIAN FJORD. QUATERNARY RESEARCH 27: 232-247.

A YEAR TO YEAR SCALE SEDIMENTATION STUDY OF SAGUENAY FJORD CORE D-1 INDICATES THAT 20TH CENTURY INTERANNUAL VARIATIONS OF THE SEDIMENTATION RATE RANGES BETWEEN 28% AND 50%. VARIATIONS ARE RELATED TO INPUTS OF FINE SAND AND COARSE SILT DURING THE SPRING FRESHET. THERE IS A DIRECT RELATIONSHIP BETWEEN % SAND AND THE SEDIMENT ACCUMULATION RATE.

1910

SMITH, J.N., SCHAFFER, C.T., LORING, D.H. 1980. DEPOSITIONAL PROCESSES IN AN ANOXIC, HIGH SEDIMENTATION REGIME IN THE SAGUENAY FJORD. IN: FJORD OCEANOGRAPHY, ED., H.J. FREELAND, D.M. FARMER, C.D. LEVINGS. NEW YORK: PLENUM PRESS. P.625-631. (NATO CONFERENCE SERIES; IV. MARINE SCIENCES 4) (BIO CONTRIBUTION NO. 910).

1911

SMITH, N.D., SYVITSKI, J.P.M. 1982. SEDIMENTATION IN A GLACIER-FED LAKE: THE ROLE OF PELLETIZATION ON DEPOSITION OF FINE-GRAINED SUSPENSATES. JOURNAL OF SEDIMENTARY PETROLOGY 52(2): 503-513.

1912

SONNICHSEN, G.V., FADER, G.B.J., MILLER, R.O. 1987. COMPILATION OF SEABED SAMPLE DATA FROM THE SCOTIAN SHELF, THE WESTERN BANKS OF NEWFOUNDLAND AND ADJACENT AREAS. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1430: 328 P.

STATION AND GEOLOGICAL INFORMATION ON OVER 4000 SURFICAL SEDIMENT SAMPLES COLLECTED BETWEEN 1962 AND 1973 FROM THE SCOTIAN SHELF, WESTERN GRAND BANKS AND ADJACENT AREAS HAVE BEEN COMPILED AND ENTERED INTO THE ATLANTIC GEOSCIENCE CENTRE SAMPLE INVENTORY DATA BASE. INFORMATION INCLUDES LATITUDE, LONGITUDE AND WATER DEPTH OF THE SAMPLE SITE, VISUAL SAMPLE DESCRIPTIONS, TEXTURAL AND OTHER LABORATORY ANALYSES.

1913

SONNICHSEN, G.V., MACLEAN, B. 1988. A RECONNAISSANCE STUDY OF THE MARINE GEOLOGY OF THE LOUGHEED-KING CHRISTIAN-CAMERON ISLANDS REGION, NORTHWEST ARCTIC ISLAND CHANNELS. GEOLOGICAL SURVEY OF CANADA PAPER 88-1D. P. 115-120.

A MARINE GEOPHYSICAL AND GEOLOGICAL SURVEY WAS CONDUCTED IN 1987 IN THE THE ARCTIC ISLAND CHANNELS EAST OF LOUGHEED ISLAND AND SOUTH OF KING CHRISTIAN ISLAND, THROUGH LEADS. 280 KILOMETRES OF SEAFLOOR WERE SURVEYED WITH SINGLE CHANNEL SPARKER AND 12 KHZ SYSTEMS. RECORDS SHOW DIPPING SEDIMENTARY BEDROCK, overlain by from 5 to 45 metres of unconsolidated sediments. GLACIAL DRIFT SEDIMENTS ARE THICKEST AND MOST WIDESPREAD. THESE ARE overlain by up to 5 metres of postglacial marine muds.

1914

SONNICHSEN, G.V., VILKS, G 1987. A SMALL BOAT SEISMIC REFLECTION SURVEY OF THE LOUGHEED ISLAND BASIN - CAMERON ISLAND RISE - DESBARATS STRAIT REGION OF THE ARCTIC ISLAND CHANNELS USING OPEN WATER LEADS. GEOLOGICAL SURVEY OF CANADA PAPER 87-1A: 877-882.

SEISMIC DATA, GRAVITY CORES AND BOTTOM PHOTOS WERE COLLECTED FROM LEADS IN THE NORTHERN ARCTIC ISLAND CHANNELS USING HELICOPTER TRANSPORTED INFLATABLE BOATS. THREE UNITS WERE IDENTIFIED: A LOWERMOST UNSTRATIFIED GLACIAL DRIFT A STRATIFIED SILTY UNIT AND AN UPPERMOST ACOUSTICALLY TRANSPORT MARINE MUD.

1915

SPARKES, R., GRANT, A.C. 1976. SEISMIC DATA FROM CRUISE D'IBERVILLE 064-68. GEOLOGICAL SURVEY OF CANADA OPEN FILE 359. 8P. + 19 ROLLS OF SEISMIC RECORDS.

COPIES OF SEISMIC REFLECTION RECORDS OBTAINED OVER APPROXIMATELY 3469 KM. OF TRACK ON THE LABRADOR SHELF ARE GIVEN IN THIS OPEN FILE. THE FILE CONSISTS OF LISTING OF THE SHIP'S POSITIONS AT HOURLY OR HALF-HOURLY

INTERVALS, A TRACK CHART, AND COPIES OF THE SEISMIC RECORDS.

1916

SPARKES, R., GRANT, A.C. 1977. SEISMIC REFLECTION DATA FROM CRUISE C.S.S. DAWSON 71-030. GEOLOGICAL SURVEY OF CANADA OPEN FILE 473. 8P. + 1 CHART, 17 ROLLS SEISMIC RECORDS.

COPIES OF SEISMIC REFLECTION RECORDS OBTAINED OVER 5943 KM. OF TRACK ON THE LABRADOR AND BAFFIN ISLAND SHELF ARE GIVEN ON THIS OPEN FILE. THE FILE CONSISTS OF LISTING OF THE SHIP'S POSITIONS AT HOURLY OR HALF-HOURLY INTERVALS, A TRACK CHART, AND COPIES OF THE SEISMIC RECORDS.

1917

SRIVASTAVA, S.P. 1973. INTERPRETATION OF GRAVITY AND MAGNETIC MEASUREMENTS ACROSS THE CONTINENTAL MARGIN OF BRITISH COLUMBIA, CANADA. CANADIAN JOURNAL OF EARTH SCIENCES 10(11): 1664-1677. (BIO CONTRIBUTION NO. 383).

1918

SRIVASTAVA, S.P. 1978. EVOLUTION OF THE LABRADOR SEA AND ITS BEARING ON THE EARLY EVOLUTION OF THE NORTH ATLANTIC. GEOPHYSICAL JOURNAL 52(2): 313-357. (BIO CONTRIBUTION NO. 668).

1919

SRIVASTAVA, S.P. 1979. MARINE GRAVITY AND MAGNETIC ANOMALY MAPS OF THE LABRADOR SEA. GEOLOGICAL SURVEY OF CANADA OPEN FILE 627. 13P. + MAPS.

FREE AIR, BOUGUER AND MAGNETIC ANOMALY MAPS OF THE LABRADOR SEA.

1920

SRIVASTAVA, S.P. 1982. FREE AIR GRAVITY ANOMALY MAP OF BAFFIN BAY AND DAVIS STRAIT BETWEEN 78 DEGREES N AND 62 DEGREES N. GEOLOGICAL SURVEY OF CANADA OPEN FILE 839. 1P., 2MAPS.

1921

SRIVASTAVA, S.P. 1983. DAVIS STRAIT: STRUCTURES, ORIGIN AND EVOLUTION. IN: STRUCTURE AND DEVELOPMENT OF THE GREENLAND- SCOTLAND RIDGE; NEW METHODS AND CONCEPTS, ED., M.H.P. BOTT, S. SAXOV, M. TALWANI AND J. THIEDE. NEW YORK: PLENUM PRESS. P.159-189. (NATO CONFERENCE SERIES; IV. MARINE SCIENCES 8).

A REVIEW OF OUR KNOWLEDGE ON THE STRUCTURE, ORIGIN AND EVOLUTION OF DAVIS STRAIT AS OBTAINED FROM SYNTHESIS OF ALL GEOLOGICAL AND GEOPHYSICAL DATA IN THIS REGION. IT IS SUGGESTED THAT DAVIS STRAIT WAS FORMED BY SEAFLOOR SPREADING AND IS UNDERLAIN BY OCEANIC CRUST.

1922

SRIVASTAVA, S.P. 1985. EVOLUTION OF THE EURASIAN BASIN AND ITS IMPLICATIONS TO THE MOTION OF GREENLAND ALONG NARES STRAIT. IN: GEOPHYSICS OF THE POLAR REGIONS; SELECTED PAPERS FROM THE SYMPOSIUM ON GEOPHYSICS OF THE POLAR REGIONS, I.U.G.G GENERAL ASSEMBLY (18TH : 1983 : HAMBURG, F.R.G.), ED., E.S. HUSEBYE, G.L. JOHNSON, AND Y. KRISTOFFERSEN. TECTONOPHYSICS 114(1/4): 29-53.

NEW MAGNETIC DATA COMPILED WITH EXISTING DATA FOR THE EURASIAN BASIN, LABRADOR SEA, NORWEGIAN-GREENLAND SEA AND THE NORTH ATLANTIC YIELDS A GOOD PLATE KINEMATIC SOLUTION FOR EURASIAN BASIN, CONSISTENT WITH NORTH ATLANTIC EVOLUTION. ONE IMPLICATION OF THE WELL-CONSTRAINED MODEL IS OBLIQUE AND NORMAL COMPONENTS OF MOVEMENT ALONG NARES STRAIT.

1923

SRIVASTAVA, S.P. 1986. GEOPHYSICAL AND GEOLOGICAL SECTIONS OF THE LABRADOR SEA. GEOLOGICAL SURVEY OF CANADA PAPER 85-16. 12P. & 9 CHARTS.

1924

SRIVASTAVA, S.P. (COMP.) 1986. GEOPHYSICAL MAPS AND GEOLOGICAL SECTIONS OF THE LABRADOR SEA. GEOLOGICAL SURVEY OF CANADA PAPER 85-16. 11P. PLUS 9 MAPS.

1925

SRIVASTAVA, S.P. 1986. LABRADOR SEA: GRAVITY (BOUGUER ANOMALY) = MER DU LABRADOR: GRAVITE (ANOMALIE DE BOUGUER) [MAP]. IN: GEOPHYSICAL MAPS AND GEOLOGICAL SECTIONS OF THE LABRADOR SEA, COMP., S.P. SRIVASTAVA. GEOLOGICAL SURVEY OF CANADA PAPER 85-16: MAP-814D. MAP WITH LEGEND.

1926

SRIVASTAVA, S.P. 1986. LABRADOR SEA: GRAVITY (FREE AIR ANOMALY) = MER DU LABRADOR: GRAVITE (ANOMALIE A L'AIR LIBRE) [MAP]. IN: GEOPHYSICAL MAPS AND GEOLOGICAL SECTIONS OF THE LABRADOR SEA, COMP., S.P. SRIVASTAVA. GEOLOGICAL SURVEY OF CANADA PAPER 85-16: MAP-814B.

MAP WITH LEGEND.

1927

SRIVASTAVA, S.P. 1986. LABRADOR SEA: MAGNETIC (MAGNETIC ANOMALY) = MER DU LABRADOR: MAGNETIQUE (ANOMALIE MAGNETIQUE) [MAP]. IN: GEOPHYSICAL MAPS AND GEOLOGICAL SECTIONS OF THE LABRADOR SEA, COMP., S.P. SRIVASTAVA. GEOLOGICAL SURVEY OF CANADA PAPER 85-16: MAP-814E.

MAP WITH LEGEND.

1928

SRIVASTAVA, S.P., ARTHUR, M. 1985. DRILLING IN THE LABRADOR SEA AND BAFFIN BAY DURING LEG 105 OF OCEAN DRILLING PROGRAM [ABSTRACT]. GEOLOGICAL ASSOCIATION OF CANADA/MINERALOGICAL ASSOCIATION OF CANADA, PROGRAM WITH ABSTRACTS 10: A58.

DESCRIBES THE OBJECTIVES AND PLANS FOR LEG 105 DRILLING IN THE LABRADOR SEA AND BAFFIN BAY DURING 1985.

1929

SRIVASTAVA, S.P., ARTHUR, M.A. 1986. PALEOCIRCULATION BETWEEN THE ARCTIC AND NORTH ATLANTIC OCEANS: RESULTS FROM LEG 105 IN THE LABRADOR SEA AND BAFFIN BAY [ABSTRACT]. IN: RESERVES CANADA 21: "CANADA'S HYDROCARBON RESERVES FOR THE 21ST CENTURY": C.S.P.G. 1986 CONVENTION (1986 : CALGARY).

[CALGARY: THE CONVENTION]. P.82.

1930

SRIVASTAVA, S.P., ARTHUR, M.A., CLEMENT, B., ET AL 1987. PROCEEDINGS OF THE OCEAN DRILLING PROGRAM. PART A. INITIAL REPORT: BAFFIN BAY AND LABRADOR SEA, VOL. 105., LITTLETON, R.M. (ED). OCEAN DRILLING PROGRAM, TEXAS A&M UNIVERSITY. 917 P.

RESULTS FROM DRILLING ONE HOLE IN BAFFIN BAY (#645, PENETRATION, 1147M) AND TWO HOLES IN THE LABRADOR SEA (#646, PENETRATION 766M; #647, PENETRATION 736M) DURING LEG 105 OF THE ODP SHOW THAT ICE RAFTING STARTED EARLIER IN BAFFIN BAY (3.5MA) THAN IN THE LABRADOR SEA (2.5MA). THE BUILDING OF MAJOR DRIFTS BEGAN IN THE MIDDLE LATE MIOCENE IN SOUTHWESTERN BAFFIN BAY AND IN THE LABRADOR SEA ON EIRIK AND GLORIA DRIFTS.

1931

SRIVASTAVA, S.P., ARTHUR, M.A., ODP LEG 105 SHIPBOARD SCIENTIFIC PARTY 1986. DRILLING RESULTS OF LEG 105 OF ODP IN THE LABRADOR SEA AND BAFFIN BAY [ABSTRACT]. GEOLOGICAL ASSOCIATION OF CANADA/MINERALOGICAL ASSOCIATION OF CANADA/CANADIAN GEOPHYSICAL UNION, PROGRAM WITH ABSTRACTS 11: 130.

1932

SRIVASTAVA, S.P., ARTHUR, M., PIERCE, J.W. 1985. DRILLING IN THE LABRADOR SEA AND BAFFIN BAY DURING LEG 105 OF OCEAN DRILLING PROGRAM [ABSTRACT]. IN: GEOPHYSICS; "THE FACTS OF THE EARTH"; C.S.E.G./C.G.U. NATIONAL CONVENTION, [ABSTRACTS] (1985 : CALGARY). [CALGARY: THE CONVENTION]. P.33.

DESCRIBES THE OBJECTIVES AND PLANS FOR LEG 105 DRILLING IN THE LABRADOR SEA AND BAFFIN BAY DURING 1985

1933

SRIVASTAVA, S.P., FALCONER, R.K.H. 1982. NARES STRAIT: A CONFLICT BETWEEN PLATE TECTONIC PREDICTIONS AND GEOLOGICAL INTERPRETATION. IN: NARES STRAIT AND THE DRIFT OF GREENLAND; A CONFLICT IN PLATE TECTONICS, ED., P.R. DAWES AND J.W. KERR. MEDDELELSER OM GRONLAND; GEOSCIENCE 8: 339-352.

THE QUESTION OF SINISTER MOVEMENT ALONG NARES STRAIT AS PREDICTED BY PLATE TECTONIC MODELS IS EXAMINED AND IT IS CONCLUDED THAT NONRIGID BEHAVIOUR OF THE PLATES IS THE ONLY SATISFACTORY WAY TO ACCCOUNT FOR NO OR LITTLE MOVEMENT ALONG THE STRAIT AS THE GEOLOGY DEMANDS.

1934

SRIVASTAVA, S.P., FALCONER, R.K.H., HAWORTH, R.T., PEIRCE, J.W., CLARK, M.J., CLARKE, D.B. 1977. CORRELATION BETWEEN MAGNETIC ANOMALIES AND THE BEDROCKS IN THE OFFSHORE REGIONS OF EASTERN CANADA [ABSTRACT]. EOS; TRANSACTIONS, AMERICAN GEOPHYSICAL UNION 58(8): 747.

1935

SRIVASTAVA, S.P., FALCONER, R.K.H., MACLEAN, B. 1981. LABRADOR SEA, DAVIS STRAIT, BAFFIN BAY; GEOLOGY AND GEOPHYSICS; A REVIEW. IN: GEOLOGY OF THE NORTH ATLANTIC BORDERLANDS, ED., J.W. KERR AND A.J. FERGUSSON. CALGARY:

CANADIAN SOCIETY OF PETROLEUM GEOLOGISTS. P.333-398. (CANADIAN SOCIETY OF PETROLEUM GEOLOGISTS MEMOIR 7)

1936

SRIVASTAVA, S.P., FOLINSBEE, R.A. 1975. MEASUREMENT OF VARIATIONS IN THE TOTAL GEOMAGNETIC FIELD AT SEA OFF NOVA SCOTIA. CANADIAN JOURNAL OF EARTH SCIENCES 12(2): 227-236. (BIO CONTRIBUTION NO. 449)

MEASUREMENTS OF THE TOTAL MAGNETIC FIELD OF THE EARTH MADE AT SEA ARE COMPARED WITH SIMILAR MEASUREMENTS MADE ON LAND. THE RESULTS CONFIRM THE PREVIOUS INTERPRETATIONS OF THE PRESENCE OF HIGH CONDUCTIVITY STRUCTURE UNDER THE CONTINENTAL SHELF OFF NOVA SCOTIA.

1937

SRIVASTAVA, S.P., JACKSON, H.R. 1983. EVOLUTION OF THE NORTH ATLANTIC OCEAN AND ITS BEARING ON THE EVOLUTION OF THE EASTERN ARCTIC BASIN [ABSTRACT]. GEOLOGICAL ASSOCIATION OF CANADA/MINERALOGICAL ASSOCIATION OF CANADA/CANADIAN GEOPHYSICAL UNION PROGRAM WITH ABSTRACTS 8: A64.

1938

SRIVASTAVA, S.P., MACLEAN, B., GIROUARD, P. 1986. DEPTH TO BASEMENT AND SEDIMENT THICKNESS [LABRADOR SEA]. IN: GEOPHYSICAL MAPS AND GEOLOGICAL SECTIONS OF THE LABRADOR SEA, COMP., S.P. SRIVASTAVA. GEOLOGICAL SURVEY OF CANADA PAPER 85-16: 9, PLUS 2 CHARTS.

1939

SRIVASTAVA, S.P., MACLEAN, B., MACNAB, R.F., JACKSON, H.R. 1982. DAVIS STRAIT: STRUCTURE AND EVOLUTION AS OBTAINED FROM A SYSTEMATIC GEOPHYSICAL SURVEY. IN: ARCTIC GEOLOGY AND GEOPHYSICS; PROCEEDINGS OF THE INTERNATIONAL SYMPOSIUM ON ARCTIC GEOLOGY (3RD : 1981 : CALGARY, ALBERTA), ED., A.F. EMBRY AND H.R. BALKWILL. CALGARY: CANADIAN SOCIETY OF PETROLEUM GEOLOGISTS. P.267-278. (CANADIAN SOCIETY OF PETROLEUM GEOLOGISTS MEMOIR 8)

1940

SRIVASTAVA, S.P., ROOTS, W.D. 1980. VARIATION IN BASEMENT TOPOGRAPHY AND FORMATION OF MAGNETIC QUIET ZONE IN THE CENTRAL REGION OF THE LABRADOR SEA [ABSTRACT]. EOS; TRANSACTIONS, AMERICAN GEOPHYSICAL UNION 61(17): 358.

ROUGH BASEMENT TOPOGRAPHY ASSOCIATED WITH A DEGREE "QUIET ZONE" IN THE LABRADOR SEA IS INTERPRETED TO HAVE FORMED FOLLOWING A 45 CHANGE IN SPREADING DIRECTION WHICH CAUSED A REDUCTION IN FRACTURE ZONE SPACING.

1941

SRIVASTAVA, S.P., TAPSCOTT, C.R. 1986. PLATE KINEMATICS OF THE NORTH ATLANTIC. IN: THE WESTERN NORTH ATLANTIC REGION, ED., P.R. VOGT AND B.E. TUCHOLKE. BOULDER, CO: GEOLOGICAL SOCIETY OF AMERICA. P.379-404. (THE GEOLOGY OF NORTH AMERICA VOL. M) (DECADE OF NORTH AMERICAN GEOLOGY PROJECT)

RECONSTRUCTION OF THE NORTH ATLANTIC FROM AZORES TO LAPTEV SEA

1942

SRIVASTAVA, S.P., VERHOEF, J., MACNAB, R. 1987. A DETAILED AEROMAGNETIC SURVEY ACROSS THE RIFTED MARGIN NORTHEAST OF NEWFOUNDLAND [ABSTRACT]. IN: INTERNATIONAL UNION OF GEODESY AND GEOPHYSICS GENERAL ASSEMBLY (19TH : 1987 : VANCOUVER), ABSTRACTS. INTERNATIONAL UNION OF GEODESY AND GEOPHYSICS (IUGG). P.471.

ANALYSIS OF AEROMAGNETIC DATA COLLECTED DURING 1985 NORTHEAST OF THE GRAND BANKS SHOW PREVEENCE OF TWO ADDITIONAL FRACTURE ZONES BESIDE THE CHARLIE GIBBS FRACTURE ZONE. IT DEFINES THE CONTINENT OCEAN CRUST BOUNDARY. THE DETAILED INTERPRETATION SHOW THE AMOUNT OF CRUSTAL EXTENSION WHICH MAY HAVE TAKEN PLACE IN THIS REGION.

1943

STAAL, P. 1987. SEDIMENT THICKNESS STUDY OF THE EASTERN CANADIAN CONTINENTAL SHELF. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1427: 25 P; 13 CHARTS.

THICK CONTINUOUS QUATERNARY SEDIMENTS OCCUR IN THE LARGER BASINS, CHANNELS, SADDLE AREAS AND ON THE SEAWARD EDGE OF THE OUTER BANKS. GEORGES BANK AND SOUTHERN AND EASTERN GRAND BANK HAVE LESS THAN 10 M OF SEDIMENT COVER.

1944

STAM, B., GRADSTEIN, F.M., LLOYD, P., GILLIS, D. 1987. ALGORITHMS FOR POROSITY AND SUBSIDENCE HISTORY. COMPUTERS AND GEOSCIENCES 13(4): 317-349.

THE FORTRAN 77 COMPUTER PROGRAMS DEFOR AND BURSUB CALCULATE DEPTH-POROSITY FUNCTIONS AND RATES OF COMPACTED AND DECOMPACTED BURIAL AND LOAD-CORRECTED SUBSIDENCE, USING BOTH PHYSICAL AND STRATIGRAPHIC DATA.

1945

STARK, T.J., PHILLIPS, J.D., BACKUS, M.M., BUHL, P., ALSOP, J.M., STOFFA, P.L., DIEBOLD, J.B., KEEN, C. 1983. POSSIBLE MOHO REFLECTIONS OFF THE U.S. EAST COAST CONTINENTAL MARGIN: LASE LINE 2 [ABSTRACT]. EOS; TRANSACTIONS, AMERICAN GEOPHYSICAL UNION 64(18): 240.

1946

STEIGER, T., JANSKA, L.F. 1984. JURASSIC LIMESTONES OF THE SEAWARD EDGE OF THE MAZAGAN CARBONATE PLATFORM, NORTHWEST AFRICAN CONTINENTAL MARGIN, MOROCCO. IN: INITIAL REPORTS OF THE DEEP SEA DRILLING PROJECT, [BY] K. HINZ, E.L. WINTERER, ET AL. WASHINGTON: U.S. GOVERNMENT PRINTING OFFICE. V.79: 449-491.

1947

STEWART, I.C.F., KEEN, C.E. 1978. ANOMALOUS UPPER MANTLE STRUCTURE BENEATH THE CRETACEOUS FOGO SEA MOUNTS INDICATED BY P-WAVE REFLECTION DELAYS. NATURE 274(5673): 788-791. (BIO CONTRIBUTION NO. 790)

THIS PAPER SUGGESTS THAT THE OBSERVED DELAYS IN THE TRAVEL TIMES OF P-WAVES, REFLECTED BENEATH THE FOGO SEAMOUNTS, SOUTH OF THE GRAND BANKS, ARE RELATED TO AN AREA OF ANOMALOUSLY HIGH TEMPERATURES AND LOW VELOCITIES

WITHIN THE UPPER MANTLE BELOW THESE STRUCTURES. THIS LOW VELOCITY ZONE MAY BE A REMANENT EFFECT OF A MANTLE PLUG FORMED WHEN SEA FLOOR SPREADING WAS ACTIVE IN THE AREA DURING THE CRETACEOUS.

1948

STEWART, I.C.F., KEEN, C.E. 1978. LITHOSPHERIC PLUG STRUCTURE INDICATED BY P-WAVE REFLECTION DELAYS [ABSTRACT]. EOS; TRANSACTIONS, AMERICAN GEOPHYSICAL UNION 59(12): 1025.

1949

STEWART, J.M. 1974. HAMILTON BANK, LABRADOR; PART 1, SURFICIAL SEDIMENTS. GEOLOGICAL SURVEY OF CANADA OPEN FILE 230. 77P.

THE REPORT ACCOMPANIES A SERIES OF MAPS INDICATING THE PERCENTAGES GRAVEL, SAND, SILT, CLAY, MUD AND THE DISTRIBUTION OF TOTAL SEDIMENT ASSEMBLAGES OVER HAMILTON BANK AND PERIPHERY. THE BOTTOM SEDIMENTS OF THE BANK ARE MUDDY FINE SANDS FRINGED IN SEQUENCE BY WELL SORTED MEDIUM SANDS AND BY A BELT OF POORLY SORTED SANDY GRAVEL AND BOULDERS. TWO INNER SHELF BASINS, CARTWRIGHT SADDLE AND HAWKE SADDLES, PARTS OF THE LABRADOR MARGINAL CHANNEL, ARE FLOORED BY CLAYEY SILTS.

1950

STEWART, J.M. 1975. SURVEY OF GYPSUM CARGO JETTISONED FROM M/V COLON BROWN, LIGHTHOUSE BANK, HALIFAX HARBOUR NOVA SCOTIA. GEOLOGICAL SURVEY OF CANADA OPEN FILE 398. 11P. + 5 CHARTS.

A REPORT DESCRIBING THE INVESTIGATIONS, OBJECTIVES, METHODOLOGY, RESULTS AND CONCLUSIONS OF THE GROUNDING OF THE LIBERIAN BULK CARRIER M/V COLON BROWN ON LIGHTHOUSE BANK IN HALIFAX HARBOUR ON APRIL 4, 1975. IN ORDER TO REFLOAT THE VESSEL, 13, 680 METRIC TONS OF HER GYPSUM CARGO WERE DUMPED INTO THE SEA. THE REPORT ALSO DESCRIBES THE CIRCUMSTANCES OF HER GROUNDING, PHYSICAL NATURE OF THE CARGO AND THE GEOMORPHOLOGY OF HER TEMPORARY RESTING PLACE, LIGHTHOUSE BANK.

1951

STEWART, J.M., RUFFMAN, A. 1974. SIDE-SCAN SONAR EXAMINATION OF HELICOPTER SEARCH AREA, SCOTIAN SHELF. GEOLOGICAL SURVEY OF CANADA OPEN FILE 384. 83P.

A REPORT OF A DENSE SIDE-SCAN SURVEY ON THE SCOTIAN SHELF, RUN IN CONJUNCTION WITH THE SEARCH FOR A CRASHED CANADIAN FORCES HELICOPTER, DEMONSTRATING THE POTENTIAL OF SUCH A SURVEY TO YIELD GEOLOGICAL DETAILS OF SEAFLOOR TOPOGRAPHY AND COMPOSITION. ENCLOSED WITH THE REPORT IS (A) A CONTOURED BATHYMETRY MAP, (B) A SURFICIAL GEOLOGY MAP, (C) AND A SURVEY TRACK PLOT.

1952

STOCKMAL, G. 1986. REGIONAL TECTONIC IMPLICATIONS OF THE LITHOPROBE EAST MARINE DEEP SEISMIC REFLECTION LINE ACROSS THE NORTHERN CANADIAN APPALACHIANS. GEOLOGICAL SURVEY OF CANADA PAPER 86-8: 5.

THE LITHOPROBE EAST DEEP SEISMIC LINES NORTH OF NEWFOUNDLAND HAVE

PROFOUNDLY INFLUENCED OUR UNDERSTANDING OF CANADIAN APPALACHIAN GEOLOGY BY REVEALING THE DEEP CRUSTAL EXPRESSION OF THE BOUNDARIES BETWEEN TECTONOSTRATIGRAPHIC TERRANES. THE INTERPRETED PLATE HISTORY INVOLVES ATTEMPTED CONTINENTAL SUBDUCTION FOLLOWED BY LITHOSPHERIC DELAMINATION AND TECTONIC WEDGING

1953

STOCKMAL, G.S., BEAUMONT, C. 1987. GEODYNAMIC MODELS OF CONVERGENT MARGIN TECTONICS; THE SOUTHERN CANADIAN CORDILLERA AND THE SWISS ALPS. IN: SEDIMENTARY BASINS AND BASIN-FORMING MECHANISMS, BEAUMONT, C., TANKARD, A.J. HALIFAX : ATLANTIC GEOSCIENCE SOCIETY; CALGARY : CANADIAN SOCIETY OF PETROLEUM GEOLOGISTS. P.393-411. (ATLANTIC GEOSCIENCE SOCIETY SPECIAL PUBLICATION 5) (CANADIAN SOCIETY OF PETROLEUM GEOLOGISTS MEMOIR 12) (GEOLOGICAL SURVEY OF CANADA CONTRIBUTION 40086)

1954

STOCKMAL, G.S., COLMAN-SADD, S.P., KEEN, C.E., O'BRIEN, S.J., QUINLAN, G. 1987. COLLISION ALONG AN IRREGULAR MARGIN: A REGIONAL PLATE TECTONIC INTERPRETATION OF THE CANADIAN APPALACHIANS. CANADIAN JOURNAL OF EARTH SCIENCES 24: 1098-1107. (GEOLOGICAL SURVEY OF CANADA CONTRIBUTION NO. 24386)

AN IDEALIZED MODEL FOR THE CANADIAN APPALACHIANS EXPLAINS THE OFFSETS OF TECTONOSTRATIGRAPHIC ZONES AND STRUCTURAL DEFORMATION FRONTS FROM QUEBEC NEW BRUNSWICK TO NEWFOUNDLAND. THESE OFFSETS WHICH OCCUR AT THE ST. LAWRENCE PROMONTORY, ARE A CONSEQUENCE OF LITHOSPHERIC DELAMINATION AND TECTONIC WEDGING DURING THE ACADIAN ORGENY.

1955

STOCKMAL, G.S., KEEN, C.E., COLMAN-SADD, S.P., O'BRIEN, S.J., QUINLAN, G. 1985. REGIONAL TECTONIC IMPLICATIONS OF THE LITHOPROBE EAST MARINE DEEP SEISMIC REFLECTION LINE ACROSS THE NORTHERN CANADIAN APPALACHIANS [ABSTRACT]. GEOLOGICAL SOCIETY OF AMERICA, ABSTRACTS WITH PROGRAMS 17(7): 728.

A DISCUSSION OF OTHER ALLOCHTHONOUS NATURE OF TECTONOSTRATIGRAPHIC TERRAINS, OF LITHOSPHERE DELAMINATION AT DEEP CRUSTAL LEVELS, AND OF THE NECESSITY FOR A TEAR FAULT IN THE GULF OF ST. LAWRENCE REGION.

1956

STOCKMAL, G., LITHOPROBE EAST GROUP 1986. LITHOPROBE EAST RESULTS ACROSS THE NORTHERN CANADIAN APPALACHIANS - A PLATE TECTONIC INTERPRETATION [ABSTRACT]. GEOLOGICAL ASSOCIATION OF CANADA/MINERALOGICAL ASSOCIATION OF CANADA/CANADIAN GEOPHYSICAL UNION, PROGRAM WITH ABSTRACTS 11: 131.

1957

STOCKMAL, G., LITHOPROBE EAST GROUP 1986. REGIONAL TECTONIC IMPLICATIONS OF THE LITHOPROBE EAST MARINE DEEP SEISMIC REFLECTION LINE ACROSS THE NORTHERN CANADIAN APPALACHIANS [ABSTRACT]. IN: CURRENT RESEARCH IN THE ATLANTIC PROVINCES; ABSTRACTS, ATLANTIC GEOSCIENCE SOCIETY 1986 COLLOQUIUM. MARITIME SEDIMENTS AND ATLANTIC GEOLOGY 22(2): 207.

THE LITHOPROBE EAST DATA NORTH OF NEWFOUNDLAND HAVE PROFOUND IMPLICATIONS

FOR THE INTERPRETATION OF MAJOR GEOLOGICAL ZONES ACROSS THE APPALACHIANS. THE PREFERRED TECTONIC MAYBE FOR THE ASSEMBLY OF THESE ZONES INVOLVES ARC-CONTINENT COLLISION IN THE TACONIAN OROGEN, FOLLOWED BY LITHOSPHERIC DELAMINATION AND TECTONIC WEDGING TO ACCOMMODATE SHORTENING IN THE OROGENY.

1958

STOCKMAL, G.S., MARILLIER, F., KEEN, C.E., QUINLAN, G., COLMAN-SADD, S.P., O'BRIEN, S.J. 1987. DEEP CRUSTAL STRUCTURE AND PLATE EVOLUTION OF THE CANADIAN APPALACHIANS: IMPLICATIONS OF MARINE DEEP SEISMIC REFLECTION DATA. IN: INTERNATIONAL UNION OF GEODESY AND GEOPHYSICS (IUGG) (19TH : 1987 : VANCOUVER) [ABSTRACTS]. INTERNATIONAL UNION OF GEODESY AND GEOPHYSICS (IUGG). P.112.

NEW MARINE DEEP SEISMIC REFLECTION DATA, GATHERED TO 20 SECONDS TWO-WAY TRAVEL TIME IN THE GULF OF ST. LAWRENCE IN 1986, PROVIDE OUR MOST POWERFUL CONSTRAINTS ON DEEP CRUSTAL STRUCTURE AND LOWER-CRUSTAL PLATES. IN PARTICULAR, LOWER CRUSTAL BLOCKS INTERPRETED FROM THE 1984 DATA SET CAN BE IDENTIFIED BENEATH THE GULF.

1959

STOCKMAL, G.S. 1986. GEODYNAMIC MODELS OF CONVERGENT MARGIN TECTONICS: THE SWISS ALPS AND CANADIAN CORDILLERA [ABSTRACT]. IN: BASINS OF EASTERN CANADA AND WORLDWIDE ANALOGUES; PROGRAMME WITH ABSTRACTS (1986 : HALIFAX). HALIFAX, N.S.: ATLANTIC GEOSCIENCE SOCIETY. P.112.

A PREVIOUSLY DEVELOPED, QUANTITATIVE, GEODYNAMIC MODEL FOR FORELAND BASIN EVOLUTION IS APPLIED TO THE ALBERTA AND MOLASSE BASINS OF THE CANADIAN CORDILLERA AND THE SWISS ALPS RESPECTIVELY. BASIN STRATIGRAPHIES ARE SEEN TO RECORD STRUCTURAL DEVELOPMENT OF THE FURCELL ANTICLINORIUM AND AAR MASSIF

1960

STOFFYN, M., MACKENZIE, F.T. 1982. FATE OF DISSOLVED ALUMINUM IN THE OCEANS. MARINE CHEMISTRY 11 (2): 105-127.

1961

STOFFYN-EGLI, P. 1982. CONSERVATIVE BEHAVIOUR OF DISSOLVED LITHIUM IN ESTUARINE WATERS. ESTUARINE, COASTAL AND SHELF SCIENCE 14 (5): 577-587.

1962

STOFFYN-EGLI, P. 1982. DISSOLVED ALUMINIUM IN INTERSTITIAL WATERS OF RECENT TERRIGENOUS MARINE SEDIMENTS FROM THE NORTH ATLANTIC OCEAN. GEOCHIMICA ET COSMOCHIMICA ACTA 46 (8): 1345-1352.

1963

STOFFYN-EGLI, P. 1983. THE BEHAVIOUR OF DISSOLVED ALUMINUM DURING SEDIMENT-SEAWATER INTERACTIONS [ABSTRACT]. MARINE CHEMISTRY 12(2/3): 233.

1964

STOFFYN-EGLI, P. 1987. IRON AND MANGANESE MICRO-PRECIPISTATES WITHIN A

CRETACEOUS BIOSILICEOUS OOZE FROM THE ARCTIC OCEAN: POSSIBLE HYDROTHERMAL SOURCE. GEO-MARINE LETTERS 7(4): 223-231. (GEOLOGICAL SURVEY OF CANADA CONTRIBUTION 43886)

EXAMINATION AT THE BIOSILICEOUS OOZE OF CESAR CORE #6 WITH AN ANALYTICAL, SEM HAS SHOWN THAT THE OOZE DEPOSITED SLOWLY, WITHOUT ANY DETRITAL INPUT BUT WITH A SMALL ADMIXTURE OF IRON AND MANGANESE PRECIPITATES, PROBABLY OF HYDROTHERMAL ORIGIN. AT THE K-T BOUNDARY, A SUDDEN INPUT OF IRON-RICH CLAY RESULTED IN DISSOLUTION OF THE DIATOMS.

1965

STOFFYN-EGLI, P., MACKENZIE, F.T. 1984. MASS BALANCE OF DISSOLVED LITHIUM IN THE OCEANS. GEOCHIMICA ET COSMOCHIMICA ACTA 48(4): 859-872.

1966

STOVER, L.E., WILLIAMS, G.L. 1982. DINOFLAGELLATES. IN: PROCEEDINGS, NORTH AMERICAN PALEONTOLOGICAL CONVENTION (3RD : 1982 : MONTREAL), ED., B. MAMET AND M.J. COPELAND. TORONTO: THE CONVENTION. P.VOL. 2: 525-533.

1967

STOVER, L.E., WILLIAMS, G.L. 1982. DINOFLAGELLATES: PAST AND PRESENT [ABSTRACT]. IN: NORTH AMERICAN PALEONTOLOGICAL CONVENTION (3RD: 1982: MONTREAL, QUE.), ABSTRACTS. JOURNAL OF PALEONTOLOGY 56(2-SUPPLEMENT): 27.

RECENT STUDIES OF FOSSIL DINOFLAGELLATES HAVE SHED NEW LIGHT UPON THE EVOLUTION OF THESE ORGANISMS.

1968

STOW, D.A.V. 1977. SELECTED GEOLOGIC AND OCEANOGRAPHIC DATA FOR THE NOVA SCOTIAN OUTER CONTINENTAL MARGIN. GEOLOGICAL SURVEY OF CANADA OPEN FILE 598. 100P.

THIS REPORT IS ESSENTIALLY A COLLECTION OF APPENDICES FOR THE PH.D. THESIS BY THE SAME AUTHOR, ENTITLED "THE NOVA SCOTIAN OUTER CONTINENTAL MARGIN" (DALHOUSIE UNIVERSITY, 1977). THE DATA ARE THEREFORE MOSTLY THE RESULTS OF SEDIMENTOLOGICAL ANALYSES WHICH WERE NOT PRESENTED IN FULL IN THE THESIS. A BATHYMETRIC CHART AND THE PHYSICAL OCEANOGRAPHY OF THE REGION ARE INCLUDED, TOGETHER WITH LOCATOR MAPS.

1969

STOW, D.A.V., ALAM, M., PIPER, D.J.W. 1984. SEDIMENTOLOGY OF THE HALIFAX FORMATION, NOVA SCOTIA: LOWER PALAEOZOIC FINE-GRAINED TURBIDITES. IN: FINE-GRAINED SEDIMENTS: DEEP-WATER PROCESSES AND FACIES, ED., D.A.V. STOW AND D.J.W. PIPER. OXFORD: PUBLISHED FOR THE GEOLOGICAL SOCIETY BY BLACKWELL SCIENTIFIC PUBLICATIONS. P.127-144.

1970

STOW, D.A.V., PIPER, D.J.W. 1984. DEEP-WATER FINE-GRAINED SEDIMENTS: FACIES MODELS. IN: FINE-GRAINED SEDIMENTS: DEEP-WATER PROCESSES AND FACIES, ED., D.A.V. STOW AND D.J.W. PIPER. OXFORD: PUBLISHED FOR THE GEOLOGICAL SOCIETY BY BLACKWELL SCIENTIFIC PUBLICATIONS. P.611-646.

FACIES MODELS AND TYPICAL SEDIMENT SEQUENCES ARE DEFINED FOR FINE GRAINED TURBIDITES, CONTOURITES, AND HEMIPELAGETES SEDIMENTS

1971

STOW, D.A.V., PIPER, D.J.W. 1984. DEEP-WATER FINE-GRAINED SEDIMENTS: HISTORY, METHODOLOGY AND TERMINOLOGY. IN: FINE-GRAINED SEDIMENTS: DEEP-WATER PROCESSES AND FACIES, ED., D.A.V. STOW AND D.J.W. PIPER. OXFORD: PUBLISHED FOR THE GEOLOGICAL SOCIETY BY BLACKWELL SCIENTIFIC PUBLICATIONS. P.3-14.

THIS PAPER REVIEWS THE HISTORY OF SCIENTIFIC IDEAS RELATING TO DEEP-WATER, FINE GRAINED SEDIMENTS; METHODS AVAILABLE FOR THEIR STUDY AND THE CURRENT STATE OF NOMENCLATURE

1972

STOW, D.A.V. (ED.), PIPER, D.J.W. (ED.) 1984. FINE-GRAINED SEDIMENTS: DEEP-WATER PROCESSES AND FACIES. OXFORD: PUBLISHED FOR THE GEOLOGICAL SOCIETY BY BLACKWELL SCIENTIFIC PUBLICATIONS. 659P.

1973

STRAVERS, J.A. 1987. LATE QUATERNARY GLACIAL AND RAISED MARINE STRATIGRAPHY OF NORTHERN BAFFIN ISLAND FJORDS. IN: SEDIMENTOLOGY OF ARCTIC FJORDS EXPERIMENT: DATA REPORT (3RD : 1987), SYVITSKI, J.P.M. (COMP), PRAEG, D.B. (COMP). CANADIAN DATA REPORT OF HYDROGRAPHY AND OCEAN SCIENCES NO. 54. 57 P. (GEOLOGICAL SURVEY OF CANADA OPEN FILE REPORT 1589)

1974

STRAVERS, J.A., MILLER, G.H. 1986. LATE FOXE/WISCONSIN AND EARLY HOLOCENE CHRONOLOGY OF GLACIAL EVENTS IN THE SOUTHERN BAFFIN ISLAND REGION [ABSTRACT]. IN: ARCTIC WORKSHOP (15TH : 1986 : INSTITUTE OF ARCTIC AND ALPINE RESEARCH, BOULDER, CO). BOULDER, CO: [THE WORKSHOP]. P.65.

1975

SUCESS, E., HILL, P., ET AL 1987. HISTOIRE GEOLOGIQUE DE LA MARGE CONTINENTALE DU PEROU. DEFORMATIONS TECTONIQUES LIEES A LA CONVERGENCE ET UPWELLINGS COTIERS: RESULTATS DE LA CAMPAGNE DU LEG 112 O.D.P. PARIS. P.P 961-967. (COMPTES RENDUS DES SCIENCES DE L'ACADEMIE DES SCIENCES, SERIE II T. 305)

RESULTS OF ODP LEG 112 ARE DESCRIBED. THE SUBDUCTION HISTORY OF THE NAZCA PLATE INCLUDES SUBSIDENCE OF THE EOCENE LAND MASS, TECTONIC EROSION PRIOR TO ACCRETION COMMENCING IN THE LATE MIOCENE. DURING SUBSIDENCE THE SHELF AND UPWELLING RECORD MIGRATED LANDWARD. VARIATIONS IN PRODUCTIVITY, SEA-LEVEL AND CLIMATE INFLUENCE THE UPWELLING RECORD AND DIAGENESIS.

1976

SUCESS, E., HILL, P., ET AL 1987. LEG 112 STUDIES CONTINENTAL MARGIN. GEOTIMES 1987: 10-12.

1977

SULLIVAN, K.D., KEEN, C.E. 1977. NEWFOUNDLAND SEAMOUNTS: PETROLOGY AND GEOCHEMISTRY. IN: VOLCANIC REGIMES IN CANADA, ED., W.R.A. BARAGAR, L.C.

COLEMAN, J.M. HALL. TORONTO: GEOLOGICAL ASSOCIATION OF CANADA. P.461-476. (GEOLOGICAL ASSOCIATION OF CANADA SPECIAL PAPER 16) (BIO CONTRIBUTION NO. 813)

1978

SULLIVAN, K.D., KEEN, C.E. 1978. ON THE NATURE OF THE CRUST IN THE VICINITY OF THE SOUTHEAST NEWFOUNDLAND RIDGE. CANADIAN JOURNAL OF EARTH SCIENCES 15(9): 1462-1471. (BIO CONTRIBUTION NO. 791)

SEISMIC, MAGNETIC AND GRAVITY DATA IS INTERPRETED TO SHOW THAT OCEANIC CRUST FLOORS THE NEWFOUNDLAND RIDGE AREA, SOUTH OF THE GRAND BANKS.

1979

SULLIVAN, K.D., KEEN, C.E., STUKAS, V.J. 1975. NEWFOUNDLAND SEAMOUNTS: PETROLOGY, GEOCHEMISTRY AND POSSIBLE ORIGIN [ABSTRACT]. IN: INTERNATIONAL UNION OF GEODESY AND GEOPHYSICS GENERAL ASSEMBLY (16TH : 1975 : GRENoble, FRANCE), ABSTRACTS OF PAPERS PRESENTED AT THE INTERDISCIPLINARY SYMPOSIA. GRENoble: THE CONFERENCE. P.101.

1980

SWEENEY, J.F., WEBER, J.R., BLASCO, S.M. 1982. CONTINENTAL RIDGES IN THE ARCTIC OCEAN: LOREX CONSTRAINTS. TECTONOPHYSICS 89(1/3): 217-237.

1981

SYVITSKI, J.P.M. 1980. FLOCCULATION AND AGGLOMERATIVE PROCESSES OPERATING ON SUSPENDED SEDIMENT IN NEARSHORE SEDIMENTARY ENVIRONMENTS. GEOLOGICAL ASSOCIATION OF CANADA/MINERALOGICAL ASSOCIATION OF CANADA, PROGRAM WITH ABSTRACTS 5: 84.

1982

SYVITSKI, J.P.M. 1981. REVIEW OF TEXT- THE ALASKAN SHELF BY G.D. SHARMA. GEOSCIENCE CANADA 9(3): 168.

1983

SYVITSKI, J.P.M. 1982. SEDIMENTOLOGY OF ARCTIC FJORDS; CRUISE REPORT, CSS HUDSON 82-031. GEOLOGICAL SURVEY OF CANADA OPEN FILE 897. 9P., PLUS UNPAGED STATION NOTES.

1984

SYVITSKI, J.P.M. 1983. Q-MODE FACTOR ANALYSIS. GEOLOGICAL SURVEY OF CANADA OPEN FILE 965. 45P.

1985

SYVITSKI, J. 1983. THE FLOC CAMERA. BIO REVIEW '83: 50-51.

1986

SYVITSKI, J.P.M. 1983. THE PRODELTA ENVIRONMENT: PARTICLE DYNAMICS AND SEABED RESPONSE [ABSTRACT]. GEOLOGICAL ASSOCIATION OF CANADA/MINERALOGICAL ASSOCIATION OF CANADA/CANADIAN GEOPHYSICAL UNION PROGRAM WITH ABSTRACTS 8: A67.

1987

SYVITSKI, J.P.M. 1983. THE PRODELTA ENVIRONMENT: SUSPENDED PARTICLE DYNAMICS AND SEABED RESPONSE [ABSTRACT]. IN: INTERNATIONAL SYMPOSIUM ON SEDIMENTATION ON THE CONTINENTAL SHELF, WITH SPECIAL REFERENCE TO THE EAST CHINA SEA (1983 : HANGZHOU, CHINA). HANGZHOU: THE SYMPOSIUM. P.185-186.

1988

SYVITSKI, J.P.M. 1984. IN SITU PROPERTIES OF SUSPENDED PARTICULATE MATTER [ABSTRACT]. IN: SOCIETY OF ECONOMIC PALEONTOLOGISTS AND MINERALOGISTS RESEARCH CONFERENCE (1984 : SAN JOSE), CONTRIBUTED ABSTRACTS. [S.L.]: UNION OIL. P.189-190.

INFORMATION OBTAINED ON THE IN SITU PROPERTIES OF SPM ALLOW A USEFUL GROUND TRUTHING OF CONVENTIONAL OCEANOGRAPHIC METHODS. IN ADDITION NEW PARAMETERS CAN BE QUANTIFIED TO SUPPLY DATA ON SEDIMENT DYNAMICS. METHODS INCLUDE SUBMERSIBLE OBSERVATIONS AND 3-D UNDERWATER PHOTOGRAPHY.

1989

SYVITSKI, J.P. 1984. SAFE: 1983 GEOPHYSICAL INVESTIGATIONS. IN: SEDIMENTOLOGY OF ARCTIC FJORDS EXPERIMENT: HU 83-028 DATA REPORT, VOLUME 2, COMP., J.P.M. SYVITSKI. CANADIAN DATA REPORT OF HYDROGRAPHY AND OCEAN SCIENCES 28: 16.1-16.26. ALSO PUBLISHED IN GEOLOGICAL SURVEY OF CANADA OPEN FILE 1122.

1990

SYVITSKI, J.P. (COMP.) 1984. SEDIMENTOLOGY OF ARCTIC FJORDS EXPERIMENT: HU 83-028 DATA REPORT, VOLUME 2. CANADIAN DATA REPORT OF HYDROGRAPHY AND OCEAN SCIENCES 28. 1130P. ALSO ISSUED AS GEOLOGICAL SURVEY OF CANADA OPEN FILE 1122

THE SECOND IN A SERIES OF SAFE DATA REPORTS. SOME 40 SCIENTISTS PRESENT DATA, ORGANIZED INTO 20 CHAPTERS, INCLUDING INFORMATION ON OCEANOGRAPHY, SEDIMENTOLOGY, STRATIGRAPHY, GEOPHYSICS, GEOTECHNICAL AND GEOCHEMICAL DATA, BENTHOS, WEATHER, HEAVY MINERALS, HYDROGRAPHY, SPM

1991

SYVITSKI, J.P.M. 1984. THE SEDIMENTOLOGY OF ARCTIC LAND SEA INTERACTIONS [ABSTRACT]. IN: ANNUAL ARCTIC WORKSHOP (13TH : 1984 : INSTITUTE OF ARCTIC AND ALPINE RESEARCH, BOULDER, CO). BOULDER, CO: THE WORKSHOP. P.37.

1992

SYVITSKI, J.P.M. 1984. TRANSFER OF FINE-GRAINED SEDIMENT FROM LANDMASS TO SHELF IN THE CANADIAN ARCTIC ARCHIPELAGO [ABSTRACT]. IN: ANNUAL MIDYEAR MEETING, SOCIETY OF ECONOMIC PALEONTOLOGISTS AND MINERALOGISTS (1ST : 1984: SAN JOSE, CA), ABSTRACTS. (S.L.): THE SOCIETY. P.80.

1993

SYVITSKI, J.P.M. 1985. SUBAQUEOUS SLOPE FAILURES WITHIN SEISMICALLY ACTIVE ARCTIC FJORDS [ABSTRACT]. IN: ARCTIC LAND-SEA INTERACTION; ARCTIC WORKSHOP (14TH : 1985 : BEDFORD INSTITUTE OF OCEANOGRAPHY, DARIMOUTH, N.S.), [COMP., G.M. VILKS AND J.P.M. SYVITSKI. DARIMOUTH, N.S.: THE

WORKSHOP]. P.60-63. (GEOLOGICAL SURVEY OF CANADA OPEN FILE 1223)

TEN FJORDS WERE EXAMINED TO OBSERVE WHETHER THOSE THAT FELL WITHIN A ZONE OF PROBABILITY OF HIGH GROUND ACCELERATIONS ($G_N > 0.3G$) HAD MORE OR DIFFERENT STYLES OF SUBAQUEOUS SLOPE FAILURES THAN THOSE THAT WERE LOCATED IN LOW RISK ZONES ($G_L < 0.08G$). DIFFERENCES DO EXIST AND EARTHQUAKE INDUCED FAILURES ARE MORE MASSIVE AND DEEP SEATED THAN SEDIMENTATION INDUCED FAILURES.

1994

SYVITSKI, J.P.M. 1985. THE INFLUENCE OF SEA-LEVEL FLUCTUATIONS, DISCHARGE VARIATIONS AND SEA CONDITIONS ON ARCTIC DELTA FORMATION: EXAMPLES FROM BAFFIN ISLAND [ABSTRACT]. IN: ARCTIC LAND-SEA INTERACTION; ARCTIC WORKSHOP (14TH : 1985 : BEDFORD INSTITUTE OF OCEANOGRAPHY, DARIMOUTH, N.S.), [COMP., G.M. VILKS AND J.P.M. SYVITSKI. DARIMOUTH, N.S.: THE WORKSHOP]. P.145-149. (GEOLOGICAL SURVEY OF CANADA OPEN FILE 1223)

1995

SYVITSKI, J.P.M. 1986. DNAG #2: ESTUARIES, DELTAS AND FJORDS OF EASTERN CANADA. GEOSCIENCE CANADA 13(2): 91-100.

A SUMMARY OF THE TYPES OF ESTUARIES AND DELTAS FORMED ALONG THE EASTERN AND ARCTIC SEABOARD OF CANADA, DOCUMENTING HOW THEY WERE FORMED, DOMINANT PROCESSES (BOTH LONG AND SHORT TERM) AND RESEARCH YET TO BE CONDUCTED.

1996

SYVITSKI, J.P.M. 1986. SEDIMENT DYNAMICS AND SEDIMENTATION HISTORY AT THE FRONT OF CORONATION GLACIER - A TIDEWATER GLACIER IN THE CANADIAN ARCTIC [ABSTRACT]. IN: SEDIMENTS DOWN UNDER; INTERNATIONAL SEDIMENTOLOGICAL CONGRESS; ABSTRACTS (12TH : 1986 : CANBERRA). Fyshwick, ACT: HIGHLAND PRESS. P.296.

BASED ON ICE FLUX DATA, CLIMATE DISCHARGE MODEL, TRIM LINE PROFILES AND SEDIMENT CONCENTRATION AND DISTRIBUTION DATA, A FIRST-ORDER BOX MODEL WAS USED TO ESTIMATE SEDIMENTATION RATES WITHIN THE FJORD ENVIRONMENT.

1997

SYVITSKI, J.P.M. 1986. SEDIMENTATION AND ACCUMULATION IN FLUVIALLY-DOMINATED FJORDS. IN: ARCTIC WORKSHOP (15TH : 1986 : INSTITUTE OF ARCTIC AND ALPINE RESEARCH, BOULDER, CO). BOULDER, CO: [THE WORKSHOP]. P.68-70.

THREE MODELS FOR DETERMINING THE SEDIMENT FLUX UNDER THE TURBID PLUMES EXTENDING FROM DELTAS ARE DESCRIBED AND COMPARED

1998

SYVITSKI, J.P.M. 1986. SUBAQUEOUS SLOPE FAILURES: ADVANCES FROM THE FJORD ENVIRONMENT [ABSTRACT]. IN: SEDIMENTS DOWN UNDER; INTERNATIONAL SEDIMENTOLOGICAL CONGRESS; ABSTRACTS (12TH : 1986 : CANBERRA). Fyshwick, ACT: HIGHLAND PRESS. P.295.

AN INVITED PAPER THAT WILL REVIEW THE ENVIRONMENTAL SETTING, SEDIMENT PROPERTIES AND PROCESSES, FAILURE LOCATIONS, RELEASE MECHANISMS FREQUENCY

OF FAILURES, VOLUMES DISPLACED AND TYPE DEPOSITS. PROJECT ADFEX WILL BE HIGHLIGHTED.

1999

SYVITSKI, J.P.M. 1987. AIRPHOTO INTERPRETATION OF CHANGES TO THE TIDEWATER POSITION OF GLACIERS AND DELTAS ALONG THE NE BAFFIN COAST. IN: SEDIMENTOLOGY OF ARCTIC FJORDS EXPERIMENT : DATA REPORT (3RD : 1987), SYVITSKI, J.P.M. (COMP), PRAEG, D.B. (COMP). CANADIAN DATA REPORT OF HYDROGRAPHY AND OCEAN SCIENCES NO. 54. 11 P. (GEOLOGICAL SURVEY OF CANADA OPEN FILE REPORT NO. 1589)

2000

SYVITSKI, J.P.M. 1987. OCEANIC CONTROLS ON THE DISTRIBUTION OF SEDIMENT WITHIN GLACIER-INFLUENCED FJORDS [ABSTRACT]. IN: INTERNATIONAL UNION FOR QUATERNARY RESEARCH INTERNATIONAL CONGRESS (12TH : 1987 : OTTAWA) PROGRAMME AND ABSTRACTS. OTTAWA:NATIONAL RESEARCH COUNCIL OF CANADA. P.273.

DISCUSSES EFFECTS OF SEA LEVEL CHANGE ON FJORD GLACIERS AND EFFECTS OF GLACIERS ON FJORD CALCULATION, AND THE RESULTING EFFECTS ON SEDIMENTATION.

2001

SYVITSKI, J.P.M. 1987. PROXIMAL PRODELTA INVESTIGATIONS AT TWO ARCTIC DELTAS: ITTIRBULLUNG AND CAMBRIDGE FJORDS, BAFFIN ISLAND. IN: SEDIMENTOLOGY OF ARCTIC FJORDS EXPERIMENT (3RD : 1987), SYVITSKI, J.P.M. (COMP), PRAEG, D.B. (COMP). CANADIAN DATA REPORT OF HYDROGRAPHY AND OCEAN SCIENCES NO. 54. 16 P. (GEOLOGICAL SURVEY OF CANADA OPEN FILE REPORT NO. 1589)

2002

SYVITSKI, J.P.M. 1987. SUBMERSIBLE OBSERVATIONS AND OTHER ANALYTICAL RESULTS FROM THE THIRD S.A.F.E. CRUISE. IN: SEDIMENTOLOGY OF ARCTIC FJORDS EXPERIMENT : DATA REPORT (3RD : 1987), SYVITSKI, J.P.M. (COMP), PRAEG, D.B. (COMP). CANADIAN DATA REPORT OF HYDROGRAPHY AND OCEAN SCIENCES NO. 54. 11 P. (GEOLOGICAL SURVEY OF CANADA OPEN FILE REPORT NO. 1589)

2003

SYVITSKI, J.P.M., ASPREY, K.W., BLAKENEY, C.P., CLATTENBURG, D., HODGE, G.D. 1983. SAFE; 1982 DELTA REPORT. IN: SEDIMENTOLOGY OF ARCTIC FJORDS EXPERIMENT; HU82-031 DATA REPORT, ED., J.P.M. SYVITSKI AND C.P. BLAKENEY. CANADIAN DATA REPORT OF HYDROGRAPHY AND OCEAN SCIENCES 12. V.1: 18.1-18.41. ALSO PUBLISHED IN GEOLOGICAL SURVEY OF CANADA OPEN FILE 960

2004

SYVITSKI, J.P.M., ASPREY, K.W., CLATTENBURG, D.A., HODGE, G.D. 1985. THE PRODELTA ENVIRONMENT OF A FJORD: SUSPENDED PARTICLE DYNAMICS. SEDIMENTOLOGY 32(1): 83-107.

2005

SYVITSKI, J.P.M., BAYLISS, P. 1982. CLAY DIAGENESIS IN RECENT MARINE FECAL PELLETS. GEO-MARINE LETTERS 2(1/2): 83-88.

2006

SYVITSKI, J.P.M. (ED.), BLAKENEY, C.P. (ED.) 1983. SEDIMENTOLOGY OF ARCTIC FJORDS EXPERIMENT: HU 82-031 DATA REPORT, VOLUME 1. CANADIAN DATA REPORT OF HYDROGRAPHY AND OCEAN SCIENCES 12. 857P. ALSO ISSUED AS GEOLOGICAL SURVEY OF CANADA OPEN FILE REPORT 960

2007

SYVITSKI, J.P.M., BLAKENEY, C.P., HAY, A.E. 1983. SAFE; HU82-031 SIDESCAN SONAR AND SOUNDER PROFILES (CHAP.16). IN: SEDIMENTOLOGY OF ARCTIC FJORDS EXPERIMENT; HU82-031 DATA REPORT, ED., J.P.M. SYVITSKI AND C.P. BLAKENEY. CANADIAN DATA REPORT OF HYDROGRAPHY AND OCEAN SCIENCES 12. V.1: 16.1-16.49. ALSO PUBLISHED IN GEOLOGICAL SURVEY OF CANADA OPEN FILE 960

2008

SYVITSKI, J.P., COLE, F.E., HOSKIN, S. 1984. OBSERVATIONS ON SOME OF THE PISTON AND LEHIGH CORES FROM TITRIBILUNG, MCBETH AND CAMBRIDGE FJORDS. IN: SEDIMENTOLOGY OF ARCTIC FJORDS EXPERIMENT: HU 83-028 DATA REPORT, VOLUME 2, COMP., J.P.M. SYVITSKI. CANADIAN DATA REPORT OF HYDROGRAPHY AND OCEAN SCIENCES 28: 13.1-13.55. ALSO PUBLISHED IN GEOLOGICAL SURVEY OF CANADA OPEN FILE 1122.

2009

SYVITSKI, J.P.M., FADER, G.B., JOSEPHANS, H.W., MACLEAN, B., PIPER, D.J.W. 1983. SEABED INVESTIGATIONS OF THE CANADIAN EAST COAST AND ARCTIC USING PISCES IV. GEOSCIENCE CANADA 10(2): 59-68.

2010

SYVITSKI, J.P.M., FARROW, G.E. 1982. STRUCTURE AND PROCESSES IN BAYHEAD DELTAS: KNIGHT INLET AND BUTE INLET, BRITISH COLUMBIA. [ABSTRACT]. IN: INTERNATIONAL CONGRESS ON SEDIMENTOLOGY (11TH : 1982 : MCMASTER UNIVERSITY, HAMILTON, ONT.), ABSTRACTS OF PAPERS. HAMILTON: MCMASTER UNIVERSITY, DEPT. OF GEOLOGY. P.108.

2011

SYVITSKI, J.P.M., FARROW, G.E. 1983. STRUCTURES AND PROCESSES IN BAYHEAD DELTAS: KNIGHT AND BUTE INLET, BRITISH COLUMBIA. IN: SEDIMENTOLOGY OF FJORDS, ED., J.P.M. SYVITSKI AND J.M. SKEI. SEDIMENTARY GEOLOGY 36(2/4): 217-244.

2012

SYVITSKI, J.P., FARROW, G.E., TAYLOR, R., GILBERT, R., EMORY MOORE, M. 1984. SAFE: 1983 DELTA REPORT. IN: SEDIMENTOLOGY OF ARCTIC FJORDS EXPERIMENT: HU 83-028 DATA REPORT, VOLUME 2, COMP., J.P.M. SYVITSKI. CANADIAN DATA REPORT OF HYDROGRAPHY AND OCEAN SCIENCES 28: 18.1-18.91. ALSO PUBLISHED IN GEOLOGICAL SURVEY OF CANADA OPEN FILE 1122.

2013

SYVITSKI, J.P., HAY, A.E., SCHAFER, C.T., ASPREY, K.W. 1984. SAFE: 1983 BAYHEAD PRODELTA INVESTIGATION. IN: SEDIMENTOLOGY OF ARCTIC FJORDS EXPERIMENT: HU 83-028 DATA REPORT, VOLUME 2, COMP., J.P.M. SYVITSKI. CANADIAN DATA REPORT OF HYDROGRAPHY AND OCEAN SCIENCES 28: 17.1-17.62. ALSO PUBLISHED

IN GEOLOGICAL SURVEY OF CANADA OPEN FILE 1122.

2014

SYVITSKI, J.P., LAMPLUGH, M., KELLY, B. 1984. FJORD MORPHOLOGY. IN: SEDIMENTOLOGY OF ARCTIC FJORDS EXPERIMENT: HU 83-028 DATA REPORT, VOLUME 2, COMP., J.P.M. SYVITSKI. CANADIAN DATA REPORT OF HYDROGRAPHY AND OCEAN SCIENCES 28: 20.1-20.27. ALSO PUBLISHED IN GEOLOGICAL SURVEY OF CANADA OPEN FILE 1122.

2015

SYVITSKI, J.P.M., LEWIS, A.G. 1980. SEDIMENT INGESTION BY TIGRIOPUS CALIFORNICUS AND OTHER ZOOPLANKTON: MINERAL TRANSFORMATION AND SEDIMENTOLOGICAL CONSIDERATIONS. JOURNAL OF SEDIMENTARY PETROLOGY 50(3): 869-880.

2016

SYVITSKI, J.P.M., MACDONALD, R.D. 1982. SEDIMENT CHARACTER AND PROVENANCE IN A COMPLEX FJORD: HOWE SOUND, BRITISH COLUMBIA. CANADIAN JOURNAL OF EARTH SCIENCES 19(5): 1025-1044.

QUANTITATIVE GEOCHEMISTRY, MINERALOGY AND SIZE PARAMETERS CAN BE SUCCESSFULLY USED TO TRACE THE SEDIMENT PATHWAYS FROM SEABORNE FLUVIAL SOURCE: A) LAND-DERIVED SEDIMENT; B) SUSPENDED SEDIMENT ORIGINATING FROM SURFACE WATERS; C) REWORKED PLEISTOCENE LAG; AND D) MINE TAILINGS, IN A COMPLEX WEST COAST FJORD.

2017

SYVITSKI, J.P.M., MCCAVE, I.N. 1986. MODERN METHODS OF GRAIN SIZE ANALYSIS [ABSTRACT]. IN: SEDIMENTS DOWN UNDER; INTERNATIONAL SEDIMENTOLOGICAL CONGRESS; ABSTRACTS (12TH : 1986 : CANBERRA). FYSHWICK, ACT: HIGHLAND PRESS. P.296.

2018

SYVITSKI, J.P.M., MURRAY, J.W. 1981. PARTICLE INTERACTION IN FJORD SUSPENDED SEDIMENT. MARINE GEOLOGY 39(3/4): 215-242.

2019

SYVITSKI, J.P.M., PRAEG, D.B. 1987. INTRODUCTION. IN: SEDIMENTOLOGY OF ARCTIC FJORDS EXPERIMENT : DATA REPORT (3RD : 1987), SYVITSKI, J.P.M. (COMP), PRAEG, D.B. (COMP). CANADIAN DATA REPORT OF HYDROGRAPHY AND OCEAN SCIENCES NO. 54. 15 P. (GEOLOGICAL SURVEY OF CANADA OPEN FILE REPORT NO. 1589)

2020

SYVITSKI, J.P.M. (COMP), PRAEG, D.B. (COMP) 1987. SEDIMENTOLOGY OF ARCTIC FJORDS EXPERIMENT: DATA REPORT (3RD : 1987). CANADIAN DATA REPORT OF HYDROGRAPHY AND OCEAN SCIENCES NO. 54. 468 P. (GEOLOGICAL SURVEY OF CANADA OPEN FILE REPORT NO. 1589)

THIS IS THE THIRD DATA REPORT IN A SERIES ON SAFE, THE SEDIMENTOLOGY OF ARCTIC FJORDS EXPERIMENT. CONTRIBUTIONS FROM OVER 15 RESEARCHERS ARE PRESENTED IN 15 CHAPTERS, WHICH INCLUDE INFORMATION ON INTER-FJORD AND COASTAL SURVEYS, PRODELTA INVESTIGATIONS, MANNED SUBMERSIBLE OBSERVATIONS,

SEDIMENTOLOGIC EXAMINATIONS OF CORES, GEOCHEMICAL SURVEYS AND AIRPHOTO INTERPRETATIONS.

2021

SYVITSKI, J.P.M., PRAEG, D.B., CLATTENBURG, D.C. 1987. SEDIMENTOLOGIC STUDIES OF HU82-031 PISTON CORES. IN: SEDIMENTOLOGY OF ARCTIC FJORDS EXPERIMENT : DATA REPORT(3RD : 1987), SYVITSKI, J.P.M.(COMP), PRAEG, D.B.(COMP). CANADIAN DATA REPORT OF HYDROGRAPHY AND OCEAN SCIENCES NO. 54. 129 P. (GEOLOGICAL SURVEY OF CANADA OPEN FILE REPORT NO. 1589)

2022

SYVITSKI, J.P., SCHAFFER, C.T. 1984. INTRODUCTION [TO SEDIMENTOLOGY OF ARCTIC FJORDS EXPERIMENT]. IN: SEDIMENTOLOGY OF ARCTIC FJORDS EXPERIMENT: HU 83-028 DATA REPORT, VOLUME 2, COMP., J.P.M. SYVITSKI. CANADIAN DATA REPORT OF HYDROGRAPHY AND OCEAN SCIENCES 28: 1.1-1.18. ALSO PUBLISHED IN GEOLOGICAL SURVEY OF CANADA OPEN FILE 1122.

2023

SYVITSKI, J.P.M., SCHAFFER, C.T. 1985. SEDIMENTOLOGY OF ARCTIC FIORDS EXPERIMENT (SAFE): PROJECT INTRODUCTION. ARCTIC 38(4): 264-270.

2024

SYVITSKI, J.P.M., SCHAFFER, C.T. 1986. MANNED SUBMERSIBLE OBSERVATIONS AND EXPERIMENTS WITHIN THE FJORDS OF BAFFIN ISLAND [ABSTRACT]. IN: ARCTIC WORKSHOP (15TH : 1986 : INSTITUTE OF ARCTIC AND ALPINE RESEARCH, BOULDER, CO). BOULDER, CO: [THE WORKSHOP]. P.71.

THE SEAFLOOR AND BENTHOS ENVIRONMENT WITH 7 BAFFIN ISLAND FJORDS WILL BE DESCRIBED.

2025

SYVITSKI, J.P.M., SCHAFFER, C.T., ASPREY, K.W., HEIN, F.J., HODGE, G.D., GILBERT, R. 1986. SEDIMENTOLOGY OF ARCTIC FJORDS EXPERIMENT: PA-85-062 EXPEDITION REPORT. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1234. 79P.

AN 82 PAGE REPORT THAT DOCUMENT CRUISE OBJECTIVES, TASKS, AGENDA AND DETAILED DESCRIPTION OF 23 SUBMERSIBLE DIVES AND 7 LAND SURVEYS WITHIN 7 BAFFIN ISLAND FJORDS. THE REPORT HIGHLIGHTS SEVERAL SIGNIFICANT FINDINGS ON PRODELTA SLOPE FAILURES (INCLUDING SUBMERSIBLE INDUCED TURBIDITY CURRENTS) SEDIMENTATION NEAR TIDEWATER GLACIERS, AND HEMIPELAGIC SEDIMENTATION EVENTS.

2026

SYVITSKI, J.P.M., SILVERBERG, N., OULETTE, G., ASPREY, K.W. 1983. FIRST OBSERVATIONS OF BENTHOS AND SESTON FROM A SUBMERSIBLE IN THE LOWER ST. LAWRENCE ESTUARY. GEOGRAPHIE PHYSIQUE ET QUATERNAIRE 38(3): 227-240.

2027

SYVITSKI, J.P.M. (ED.), SKEI, J.M. (ED.) 1983. SEDIMENTOLOGY OF FJORDS. SEDIMENTARY GEOLOGY 36(2/4): 75-342.

2028

SYVITSKI, J.P.M., SWINBANKS, D.D. 1980. VSA: A NEW FAST SIZE ANALYSIS TECHNIQUE FOR LOW SAMPLE WEIGHT BASED ON STOKES' SETTLING VELOCITY. CANADIAN GEOTECHNICAL JOURNAL 17(2): 304-312.

2029

SYVITSKI, J.P.M., TAYLOR, R.B., STRAVERS, J. 1987. SUSPENDED SEDIMENT LOADS ALONG THE COAST OF N.E. BAFFIN AND BYLOT ISLANDS, N.W.T. IN: SEDIMENTARY OF ARCTIC FJORDS EXPERIMENT : DATA REPORT(3RD : 1987), SYVITSKI, J.P.M. (COMP), PRAEG, D.B. (COMP). CANADIAN DATA REPORT OF HYDROGRAPHY AND OCEAN SCIENCES NO. 54. 20 P. (GEOLOGICAL SURVEY OF CANADA OPEN FILE REPORT 1589)

2030

SYVITSKI, J.P.M., TUNNICLIFFE, V. 1982. SEDIMENTOLOGY AND ECOLOGY OF CANADIAN WEST COAST FJORD SILLS [ABSTRACT]. IN: INTERNATIONAL CONGRESS ON SEDIMENTOLOGY (11TH : 1982 : MCMASTER UNIVERSITY, HAMILTON, ONT.), ABSTRACTS OF PAPERS. HAMILTON: MCMASTER UNIVERSITY, DEPT. OF GEOLOGY. P.187.

2031

SYVITSKI, J.P.M., VAN EVERDINGEN, D.A. 1981. A REEVALUATION OF THE GEOLOGIC PHENOMENON OF SAND FLOTATION: A FIELD AND EXPERIMENTAL APPROACH. JOURNAL OF SEDIMENTARY PETROLOGY 51(4): 1315-1322.

SEDIMENT TRANSPORT BY FLOTATION.

2032

SYVITSKI, J.P.M., VILKS, G. 1986. CONFERENCE REPORTS: ARCTIC LAND-SEA INTERACTIONS. GEOSCIENCE CANADA 13(4): 255-261.

SESSION CHAIRPERSONS WERE INVITED TO CONTRIBUTE THEIR IDEAS, IMPRESSIONS AND SUGGESTIONS FOR FUTURE WORK ON THE ARCTIC NEARSHORE, AN OUTCOME OF THE 14TH ARCTIC WORKSHOP HELD ON NOV. 5-8, 1985 AT B.I.O.

2033

TAN, F.C., VILKS, G. 1987. ORGANIC CARBON ISOTOPE RATIOS AND PALEOENVIRONMENTAL IMPLICATIONS FOR HOLOCENE SEDIMENTS IN LAKE MELVILLE, SOUTHEASTERN LABRADOR. CANADIAN JOURNAL OF EARTH SCIENCES 24(10): 1994-2003. (GEOLOGICAL SURVEY OF CANADA CONTRIBUTION 29986)

¹³C VALUES IN SURFACE SEDIMENTS CHANGE FROM MARINE TO TERRESTRIAL ALONG A TRANSECT FROM GROS WATER BAY TO GOOSE BAY. SIMILAR CHANGE WAS DETECTED DOWNCORE IN LAKE MELVILLE, REFLECTING THE GREATER EARLY POSTGLACIAL RUNOFF.

2034

TAYLOR, F.J.R., SARJEANT, W.A.S., FENSOME, R.A., WILLIAMS, G.L. 1987. STANDARDIZATION OF NOMENCLATURE IN FLAGELLATE GROUPS TREATED BY BOTH THE BOTANICAL AND ZOOLOGICAL CODES OF NOMENCLATURE. SYSTEMATIC ZOOLOGY 36(1): 79-85. (GEOLOGICAL SURVEY OF CANADA CONTRIBUTION NO. 32086)

THE NOMENCLATURE OF CERTAIN FLAGELLATE GROUPS MAY BE GOVERNED BY THE BOTANICAL OR ZOOLOGICAL CODE. SINCE THE CODES ARE MUTUALLY CONFLICTING IN PART, TAXON MAY HAVE MORE THAN ONE LEGALLY BINDING NAME. WE PROPOSE AMENDMENTS TO THE RESPECTIVE CODES TO RECTIFY THIS SITUATION.

2035

TAYLOR, R.B. 1974. A COASTAL INVESTIGATION OF NORTHERN SOMERSET ISLAND, DISTRICT OF FRANKLIN. GEOLOGICAL SURVEY OF CANADA PAPER 74-1A: 269-270.

2036

TAYLOR, R.B. 1974. NEARSHORE ICE AND SEA ICE, SOMERSET ISLAND, N.W.T. [ABSTRACT]. ICE 44: 7.

2037

TAYLOR, R.B. 1974. NEARSHORE STUDIES USING SMALL WATERCRAFT ALONG EAST MELVILLE ISLAND, DISTRICT OF FRANKLIN. GEOLOGICAL SURVEY OF CANADA PAPER 74-1A: 271-272.

2038

TAYLOR, R.B. 1975. A BATHYMETRIC SURVEY OF THE GATINEAU RIVER NEAR CHELSEA, QUEBEC. GEOLOGICAL SURVEY OF CANADA PAPER 75-1C: 325-329.

2039

TAYLOR, R.B. 1975. COASTAL INVESTIGATIONS OF NORTHERN SOMERSET ISLAND AND BARROW STRAIT, DISTRICT OF FRANKLIN. GEOLOGICAL SURVEY OF CANADA PAPER 75-1A: 501-504.

2040

TAYLOR, R.B. 1976. NEARSHORE OBSERVATIONS ALONG THE EAST COAST OF MELVILLE ISLAND, DISTRICT OF FRANKLIN. GEOLOGICAL SURVEY OF CANADA PAPER 76-1B: 43-58.

2041

TAYLOR, R.B. 1976. SEA ICE RIDGES, SOMERSET ISLAND [ABSTRACT]. ICE 50: 13.

2042

TAYLOR, R.B. 1977. GROUNDED ICE RIDGES, SOMERSET ISLAND, N.W.T. [ABSTRACT]. ICE 53: 8.

2043

TAYLOR, R.B. 1977. SEASONAL GROUND TEMPERATURES ACROSS A BEACH, SOMERSET ISLAND, N.W.T. [ABSTRACT]. ICE 53: 10.

2044

TAYLOR, R.B. 1977. THE SUMMER CLIMATE OF CUNNINGHAM INLET, SOMERSET ISLAND, DISTRICT OF FRANKLIN. GEOLOGICAL SURVEY OF CANADA PAPER 77-1C: 39-48.

2045

TAYLOR, R.B. 1978. BEACH CHANGES, NORTHERN SOMERSET ISLAND. IN: POAC 77; INTERNATIONAL CONFERENCE ON PORT AND OCEAN ENGINEERING UNDER ARCTIC CONDITIONS (4TH : 1977 : MEMORIAL UNIVERSITY OF NEWFOUNDLAND, ST. JOHN'S);

PROCEEDINGS, ED., D.B. MUGGERIDGE. ST. JOHN'S: MEMORIAL UNIVERSITY. V.2:
904-915.

2046

TAYLOR, R.B. 1978. THE OCCURENCE OF GROUNDED ICE RIDGES AND SHORE ICE PILING
ALONG THE NORTHERN COAST OF SOMERSET ISLAND, N.W.T. ARCTIC 31(2):
133-149.

2047

TAYLOR, R.B. 1980. BEACH THAW DEPTH AND THE EFFECT OF ICE-BONDED SEDIMENT ON
BEACH STABILITY, CANADIAN ARCTIC ISLANDS. IN: PROCEEDINGS CANADIAN
COASTAL CONFERENCE (1980 : BURLINGTON, ONT.). OTTAWA: NATIONAL RESEARCH
COUNCIL. P.103-121.

2048

TAYLOR, R.B. 1980. COASTAL ENVIRONMENTS ALONG THE NORTHERN SHORE OF SOMERSET
ISLAND, DISTRICT OF FRANKLIN. IN: THE COASTLINE OF CANADA, ED., S.B.
MCCANN. GEOLOGICAL SURVEY OF CANADA PAPER 80-10: 239-250.

2049

TAYLOR, R.B. 1980. COASTAL RECONNAISSANCE FOR MARINE TERMINAL PLANNING IN THE
SVERDRUP BASIN, N.W.T.; V.1, MAIN REPORT. GEOLOGICAL SURVEY OF CANADA
OPEN FILE 693. 150P.

2050

TAYLOR, R.B. 1981. OBSERVATIONS OF STORM CONDITIONS IN THE COASTAL ZONE, BYLOT
ISLAND, N.W.T. IN: WORKSHOP ON ICE ACTION ON SHORES (1981: RIMOUSKI,
QUE.); PROCEEDINGS, ED., J.C. DIONNE. OTTAWA: NATIONAL RESEARCH COUNCIL
OF CANADA, ASSOCIATE COMMITTEE FOR RESEARCH ON SHORELINE EROSION AND
SEDIMENTATION. P.133-149.

2051

TAYLOR, R.B. 1982. SEASONAL SHORELINE CHANGE ALONG FORCHU BAY AND FRAMBOISE
COVE, NOVA SCOTIA - A COMPARISON BETWEEN EXPLOITED AND NATURAL BEACHES.
IN: PROCEEDINGS; WORKSHOP ON ATLANTIC COASTAL EROSION AND SEDIMENTATION =
COMPTES RENDUS; L'ATELIER SUR L'EROSION ET L'ENSABLEMENT DES RIVAGES DE
L'ATLANTIQUE (1982 : HALIFAX, N.S.). OTTAWA: NATIONAL RESEARCH COUNCIL OF
CANADA, ASSOCIATE COMMITTEE FOR RESEARCH ON SHORELINE EROSION AND
SEDIMENTATION. P.37-41.

2052

TAYLOR, R.B. (ED.) 1982. TERRAIN MANAGEMENT AND BIOLOGICAL STUDIES ON SABLE
ISLAND 1981; PREPARED FOR SABLE ISLAND ENVIRONMENTAL ADVISORY COMMITTEE.
[DARIMOUTH, N.S.?]: THE COMMITTEE. 152P.

2053

TAYLOR, R.B. 1983. CHARACTERISTICS AND FORMATION OF SHINGLE BEACH RIDGES ALONG
BARROW STRAIT, N.W.T. [ABSTRACT]. GEOLOGICAL ASSOCIATION OF
CANADA/MINERALOGICAL ASSOCIATION OF CANADA/CANADIAN GEOPHYSICAL UNION
PROGRAM WITH ABSTRACTS 8: A68.

2054

TAYLOR, R.B. 1983. COASTAL GEOLOGY SURVEYS. BIO REVIEW '83: 21-22.

2055

TAYLOR, R.B. 1987. COASTAL SURVEYS CRUISE REPORT 86027 OF THE CENTRAL QUEEN ELIZABETH ISLANDS, NORTHWEST TERRITORIES. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1595. 48 P.

RESULTS ARE PRESENTED FROM SHORE SURVEYS CONDUCTED FROM CSS HUDSON (CRUISE 86027) IN AUG. - SEPT. 1986. BETWEEN 1976 AND 1986 THE NET CHANGES IN BEACH MORPHOLOGY OF 25 STATIONS SURVEYED WERE MINOR; GREATEST CHANGES WERE RECORDED AT S.W. DEVON ISLAND. SURVEYS OF RAISED BEACH SEQUENCE INDICATE THAT AN AVERAGE TIME SPAN OF 200 - 300 YEARS IS REQUIRED TO DEVELOP A PRIMARY BEACH RIDGE. FEW NEW BEACH RIDGES ARE DEVELOPING TODAY THAT ARE COMPARABLE IN SIZE TO THOSE ON THE RAISED BEACH.

2056

TAYLOR, R.B. 1987. INTERACTION OF STEAM WAVES AND SEAICE IN THE COASTAL ZONE OF THE EASTERN CANADIAN ARCTIC. IN: COASTAL SEDIMENTS '87; PROCEEDINGS OF A SPECIALTY CONFERENCE ON ADVANCES IN UNDERSTANDING OF COASTAL SEDIMENT PROCESSES (1987 : NEW ORLEANS, LOUISIANA)., KRAUS, N.C. (ED). NEW YORK: AMERICAN SOCIETY OF CIVIL ENGINEERS.

A MODEL OF SEA ICE-WAVE INTERACTION ALONG COURSE-GRAINED BEACHES IN THE EASTERN CANADIAN ARCTIC IS PRESENTED WITH SPECIAL ATTENTION FOCUSED ON IMPACTS OF STORM INDUCED COASTAL ICE ZONATION ON BEACH MORPHOLOGY AND SEDIMENTATION

2057

TAYLOR, R.B., CARTER, R.W.G., FORBES, D.L., ORFORD, J.D. 1986. BEACH SEDIMENTATION IN IRELAND: CONTRASTS AND SIMILARITIES WITH ATLANTIC CANADA. GEOLOGICAL SURVEY OF CANADA PAPER 86-1A: 55-64.

2058

TAYLOR, R.B., FORBES, D.L. 1987. ICE-DOMINATED SHORES OF LOUGHEED ISLAND: TYPE EXAMPLES FOR THE NORTHWEST QUEEN ELIZABETH ISLANDS, ARCTIC CANADA. PROCEEDINGS, CANADIAN COASTAL CONFERENCE / COMPTES RENDU, CONFERENCE CANADIENNE SUR LE LITTORAL 1987: 33-48. (GEOLOGICAL SURVEY OF CANADA CONTRIBUTION 12987)

THE MICROTIDAL SHORELINE OF LOUGHEED ISLAND IS COMPOSED PRIMARILY OF FINE SAND AND MUD AND DOMINATED BY SEA-ICE AND TERRESTRIAL PROCESSES. WE DEFINE FOUR SHORE TYPES (SANDFLAT, MUDFLAT, SCARRED, AND DELTAIC) AND PRESENT THESE AS TYPE EXAMPLES FOR HOLOCENE COASTAL DEVELOPMENT ON MESOZOIC ROCKS IN THE NORTHWEST QUEEN ELIZABETH ISLANDS.

2059

TAYLOR, R.B., FROBEL, D. 1982. MORPHOLOGICAL CHANGES AT DUNE RESTORATION SITES ON SABLE ISLAND 1975 TO 1981. IN: TERRAIN MANAGEMENT AND BIOLOGICAL STUDIES ON SABLE ISLAND 1981, ED., R.B. TAYLOR. [DARIMOUTH, N.S.?]: SABLE ISLAND ENVIRONMENTAL ADVISORY COMMITTEE. [VARIOUS PAGINGS].

2060

TAYLOR, R.B., FROBEL, D. 1984. COASTAL SURVEYS, JONES SOUND, DISTRICT OF FRANKLIN. GEOLOGICAL SURVEY OF CANADA PAPER 84-1B: 25-32.

IN 1983, LOW ALTITUDE VIDEO TAPES WERE TAKEN ALONG 1135 KMS OF THE JONES SOUND COASTLINE. LAUNCH SURVEYS OFF 5 TIDEWATER GLACIERS ALONG DEVON ISLAND INDICATED THAT SOME VALLEY GLACIERS ONCE STOOD 2 TO 6 KM OFFSHORE FOR A CONSIDERABLE TIME BEFORE RAPIDLY RETREATING TO NEAR THEIR PRESENT POSITION. TIDEWATER GLACIERS SURVEYED WERE GROUNDED AND ARE FRINGED BY AN ICE PROXIMAL SHELF. ICE FRONT THICKNESS IS COMMONLY 55 TO 76M BUT OCCASSIONALLY EXCEEDS 100M.

2061

TAYLOR, R.B., FROBEL, D. 1985. BEACH RECONNAISSANCE OF S.E. CAPE BRETON ISLAND IN SUPPORT OF OIL SPILL CLEANUP OPERATIONS. IN: THE KURDISTAN OIL SPILL OF MARCH 16-17, 1979: ACTIVITIES AND OBSERVATIONS OF THE BEDFORD INSTITUTE OF OCEANOGRAPHY RESPONSE TEAM, ED., J.H. VANDERMEULEN AND D.E. BUCKLEY. CANADIAN TECHNICAL REPORT OF HYDROGRAPHY AND OCEAN SCIENCES 35: 87-100.

2062

TAYLOR, R.B., FROBEL, D. 1985. VIDEOTAPES OF THE COASTLINE OF JONES SOUND, NORTHWEST TERRITORIES. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1079: 8 VIDEOTAPES AND MAPS.

2063

TAYLOR, R.B., FROBEL, D. 1986. AERIAL COASTAL VIDEO SURVEYS OF SELECTED CENTRAL ARCTIC ISLANDS, N.W.T. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1298: 3 VIDEOCASSETTES. CONTRACT TO DIAND - NOGAP PROGRAM

THREE VIDEO TAPES OF THE COASTLINE (1) IN THE VICINITY OF RON POINT, MELVILLE ISLAND (2) LOUGHEED ISLAND AND (3) CAMERON ISLAND (SOUTH AND EAST SHORES PLUS PARTS OF ERSKINE AND POLL INLETS). EACH PROGRAM CONTAINS LOCATION MAPS, INTRODUCTORY BACKGROUND COMMENTARY AND DETAILED FIELD COMMENTARY OF SHORELINE FEATURES AND PROCESSES.

2064

TAYLOR, R.B., KELLY, B.J. 1985. BEACH OBSERVATIONS ALONG THE EAST COAST OF CAPE BRETON HIGHLANDS NATIONAL PARK, NOVA SCOTIA. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1119. 33P.

THIS REPORT WAS PREPARED FOR CAPE BRETON HIGHLANDS NATIONAL PARK. IT CONSISTS OF OBSERVATIONS MADE IN 1983 AND 1984 AT INGONISH, BROAD COVE, BLACK BROOK COVE AND NEIL HARBOUR BEACHES. THE REPORT DISCUSSES THE GEOLOGIC HISTORY OF COASTAL DEVELOPMENT FOR THE AREA. THE EFFECTS OF A STORM SURGE IN OCTOBER 1983 AND THE EFFECTS OF MAN ON THE STABILITY OF THE BEACHES ARE STUDIED.

2065

TAYLOR, R.B., LEWIS, C.F.M. 1975. NEARSHORE MARINE GEOLOGICAL RECONNAISSANCE AT CUNNINGHAM INLET, SOMERSET ISLAND, N.W.T. GEOLOGICAL SURVEY OF CANADA PAPER 75-1A: 505-507.

2066

TAYLOR, R.B., MCCANN, S.B. 1974. DEPTH OF THE 'FROST-TABLE' ON BEACHES IN THE CANADIAN ARCTIC ARCHIPELAGO. JOURNAL OF GLACIOLOGY 13(68): 321-322.

2067

TAYLOR, R.B., MCCANN, S.B. 1976. EFFECT OF SEA AND NEARSHORE ICE ON COASTAL PROCESSES IN THE CANADIAN ARCTIC ARCHIPELAGO. REVUE DE GEOGRAPHIE DE MONTREAL 30(1/2): 123-132.

2068

TAYLOR, R.B., MCCANN, S.B. 1983. COASTAL DEPOSITIONAL LANDFORMS IN NORTHERN CANADA. IN: SHORELINES AND ISOSTASY, ED., D.E. SMITH AND A.G. DAWSON. LONDON: ACADEMIC PRESS. P.53-75. (INSTITUTE OF BRITISH GEOGRAPHERS SPECIAL PUBLICATIONS 16)

2069

TAYLOR, R.B., PRAEG, D.B., SYVITSKI, J.P.M. 1987. COASTAL MORPHOLOGY AND SEDIMENTATION, EASTERN BAFFIN AND BYLOR ISLANDS, N.W.T. IN: SEDIMENTOLOGY OF ARCTIC FJORDS EXPERIMENT : DATA REPORT(3RD : 1987), SYVITSKI, J.P.M. (COMP), PRAEG, D.B. (COMP). CANADIAN DATA REPORT OF HYDROGRAPHY AND OCEAN SCIENCES NO. 54. 60 P. (GEOLOGICAL SURVEY OF CANADA OPEN FILE REPORT NO. 1589)

2070

TAYLOR, R.B., WITTMANN, S.L., MILNE, M.J., KOBER, S.M. 1985. BEACH MORPHOLOGY AND COASTAL CHANGES AT SELECTED SITES, MAINLAND NOVA SCOTIA. GEOLOGICAL SURVEY OF CANADA PAPER 85-012. 59P.

2071

TAYLOR, R.B., WITTMANN, S.L., MILNE, M.J., KOBER, S.M. 1985. COASTAL SURVEYS (1981) ALONG MAINLAND NOVA SCOTIA. GEOLOGICAL SURVEY OF CANADA OPEN FILE 976. 76P.

IN 1981, UNDER THE AUSPICES OF THE FEDERAL GOVERNMENT SUMMER CANADA STUDENT EMPLOYMENT PROGRAM, A NETWORK OF SHORELINE SURVEY STATIONS WAS ESTABLISHED AT 16 SHORE BLUFF SITES AND 17 BEACHES ALONG MAINLAND NOVA SCOTIA. THIS OPEN FILE PROVIDES INFORMATION NECESSARY TO RELOCATE AND ACCURATELY RESURVEY THE SHORE STATIONS. THIS REPORT COMPLIMENTS G.S.C. PAPER 85-12.

2072

THOMAS, E., MUDIE, P.J. 1987. MAGNETOSTRATIGRAPHIC AND BIOSTRATIGRAPHIC SYNTHESIS, DEEP SEA DRILLING PROJECT, LEG 94. IN: INITIAL REPORTS OF THE DEEP SEA DRILLING PROJECT, BY W.F. RUDDIMAN, W.F. KIDD [ET AL]. WASHINGTON: U.S. GOVERNMENT PRINTING OFFICE. P.1159-1205.

2073

THOMAS, F.C. 1987. LOWER SCOTIAN SLOPE BENTHIC FORAMINIFERA - THEIR TAXONOMY AND OCCURRENCES. CANADIAN TECHNICAL REPORT OF HYDROGRAPHY AND OCEAN SCIENCES NO. 81. 68P. (GEOLOGICAL SURVEY OF CANADA CONTRIBUTION NO. 38286)

THE TAXONOMY OF ONE HUNDRED AND FIFTY-ONE EXTANT BENTHIC FORAMINIFERAL SPECIES AND ONE EXTINCT MESOZOIC FORM FROM SURFICIAL SEDIMENTS OF THE LOWER SCOTIAN SLOPE IS PRESENTED, ALONG WITH REMARKS CONCERNING THEIR DISTRIBUTIONS

2074

THOMAS, F.C. 1988. TAXONOMY AND STRATIGRAPHY OF SELECTED CENOZOIC BENTHIC FORAMINIFERA, CANADIAN ATLANTIC MARGIN. MICROPALAEONTOLOGY 34(1): 67-82. (GEOLOGICAL SURVEY OF CANADA CONTRIBUTION 33786)

NEW NAMES ARE ASSIGNED TO 13 BENTHIC FORAMINIFERAL SPECIES FROM CENOZOIC SEDIMENTS IN THE CANADIAN ATLANTIC MARGIN. GENERA INCLUDE ALABAMINA, CIBICIDOIDES, LENTICULINA, NODOSARIA, PLECTOFROMDICULARIA QUADRIMORPHINA AND OTHERS MAY BE OF USE IN PALEOECOLOGICAL INTERPRETATIONS

2075

THOMAS, F.C., GRADSTEIN, F.M. 1981. TERTIARY SUBSURFACE CORRELATIONS USING PYRITIZED DIATOMS, OFFSHORE EASTERN CANADA. GEOLOGICAL SURVEY OF CANADA PAPER 81-1B: 17-23.

2076

THOMAS, F.C., MURNEY, M.G. 1985. TECHNIQUES FOR EXTRACTION OF FORAMINIFERS AND OSTRACODES FROM SEDIMENT SAMPLES. CANADIAN TECHNICAL REPORT OF HYDROGRAPHY AND OCEAN SCIENCES 54. 24P.

THE SIX COMMONLY USED METHODS TO DISAGGREGATE SEDIMENT SAMPLES FOR MICROPALAEONTOLOGICAL ANALYSIS AT THE ATLANTIC GEOSCIENCE CENTRE ARE DESCRIBED AND COMPARED. ALSO INCLUDED ARE A BRIEF SOURCE LIST FOR REQUIRED MATERIALS AND SELECTED REFERENCES DEALING WITH THIS SUBJECT.

2077

THOMAS, F.C., SCHAFFER, C.T. 1982. DISTRIBUTION AND TRANSPORT OF SOME COMMON FORAMINIFERAL SPECIES IN THE MINAS BASIN, EASTERN CANADA. JOURNAL OF FORAMINIFERAL RESEARCH 12(1): 24-38.

2078

THOMAS, R.L., JAQUET, J.M., KEMP, A.L.W., LEWIS, C.F.M. 1976. THE SURFICIAL SEDIMENTS OF LAKE ERIE. JOURNAL OF THE FISHERIES RESEARCH BOARD OF CANADA 33(3): 385-403.

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THOMAS, R.L., KEMP, A.L., LEWIS, C.F.M. 1973. THE SURFICIAL SEDIMENTS OF LAKE HURON. CANADIAN JOURNAL OF EARTH SCIENCES 10(2): 226-271.

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TODD, B.J., REID, I., KEEN, C.E. 1986. PRELIMINARY SEISMIC REFRACTION AND REFLECTION RESULTS FROM THE SOUTHWEST NEWFOUNDLAND TRANSFORM MARGIN [ABSTRACT]. IN: CURRENT RESEARCH IN THE ATLANTIC PROVINCES; ABSTRACTS, ATLANTIC GEOSCIENCE SOCIETY 1986 COLLOQUIUM. MARITIME SEDIMENTS AND ATLANTIC GEOLOGY 22(2): 208.

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TODD, B.J., REID, I., KEEN, C.E. 1986. SEISMIC REFRACTION AND REFLECTION RESULTS FROM THE SOUTHWEST NEWFOUNDLAND TRANSFORM MARGIN [ABSTRACT]. IN: BASINS OF EASTERN CANADA AND WORLDWIDE ANALOGUES; PROGRAMME WITH ABSTRACTS (1986 : HALIFAX). HALIFAX, N.S.: ATLANTIC GEOSCIENCE SOCIETY. P.116.

POSTER SHOWS CROSS SECTION OF RESULTS ACROSS THE TRANSFORM MARGIN. THESE INCLUDED ABSENCE OF SIGNIFICANT THINNING OF THE CRUST AT THE OCEAN - CONTINENT BOUNDARY.

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TOPLISS, B.J. 1982. WATER COLOR IN EASTERN CANADIAN INSHORE AREAS. NORTHWEST ATLANTIC FISHERIES ORGANIZATION SCIENTIFIC COUNCIL STUDIES 4: 63-67.

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SATELLITE, AIRCRAFT AND IN SITU OPTICAL DATA HAVE ALL BEEN COMPARED FOR DETECTION OF CHANGES IN SEDIMENT CONCENTRATION. SPECTRAL SHIFTS IN THE WATER SPECTRUM ALLOW SEDIMENT CONCENTRATIONS TO BE DETERMINED EVEN AT SATELLITE ALTITUDES

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TOPLISS, B.J., AMOS, C.L. 1984. SEDIMENT MAPPING BY REMOTE MULTISPECTRAL TECHNIQUES [ABSTRACT]. IN: JOINT PROGRAMME WITH ABSTRACTS; ANNUAL CONGRESS, CANADIAN METEOROLOGICAL AND OCEANOGRAPHIC SOCIETY (18TH : 1984 : HALIFAX, N.S.) [AND] ANNUAL MEETING, CANADIAN GEOPHYSICAL UNION (11TH : 1984 : HALIFAX, N.S.) = PROGRAMME CONJOINT AVEC RESUMES; CONGRES ANNUEL, SOCIETE CANADIENNE DE METEOROLOGIE ET D'OCEANOGRAPHIE (18E : 1984 : HALIFAX, N.-E.) [ET] REUNION ANNUELLE, L'UNION CANADIENNE DE GEOPHYSIQUE (11E : 1984 : HALIFAX, N.-E.), ED., E.J. TRUHLAR. HALIFAX: THE CONFERENCE. P.80.

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TUCKER, C.M., MCCANN, S.B. 1978. LATE QUATERNARY EVENTS, BURIN PENINSULA, NEWFOUNDLAND, AND ST. PIERRE ET MIQUELON, FRANCE [ABSTRACT]. GEOLOGICAL SOCIETY OF AMERICA, ABSTRACTS WITH PROGRAMS 10(7): 507.

2091

TUNNICLIFFE, V., SYVITSKI, J.P.M. 1983. CORALS MOVE BOULDERS: AN UNUSUAL MECHANISM OF SEDIMENT TRANSPORT. LIMNOLOGY AND OCEANOGRAPHY 28(3): 564-568.

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UMPLEBY, D.C. 1979. BOOK REVIEW OF SEISMIC STRATIGRAPHY - APPLICATIONS TO HYDROCARBON EXPLORATION, ED., C.E. PAYTON. GEOSCIENCE CANADA 6(1): 34-35.

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OUTLINE OF TECTONIC FEATURES AND STRATIGRAPHY OF BASINS OFF LABRADOR AND EASTERN NEWFOUNDLAND.

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UMPLEBY, D.C., STEVENS, G.R., COLWELL, J.A. 1978. CLAY MINERAL ANALYSIS OF MESOZOIC-CENOZOIC SEQUENCES, LABRADOR SHELF-A PRELIMINARY REPORT. GEOLOGICAL SURVEY OF CANADA PAPER 78-1B: 111-114.

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UMPLEBY, D.C., WILLIAMS, G.L. 1981. OIL AND GAS IN CANADA: PAST, PRESENT AND FUTURE [ABSTRACT]. MARITIME SEDIMENTS AND ATLANTIC GEOLOGY 17(3): 148.

2098

URQUART, E.F. 1977. HOLOCENE HISTORY OF KINGS AND HARTLING BAYS, ATLANTIC COAST OF NOVA SCOTIA. GEOLOGICAL SURVEY OF CANADA OPEN FILE 586. 113P.

2099

VALLIANT, H.D., MACNAB, R.F., STEPHENS, L.E., GRANT, S.T., COOPER, R.V. 1974. RESULTS OF UNDERWATER AND SURFACE REGIONAL GRAVITY SURVEYS OFF THE COAST OF LABRADOR, 1972, WITH MAPS: NO. 156 - HAMILTON INLET (BOUGUER), NO. 156 - HAMILTON INLET (FREE-AIR). OTTAWA: DEPT. OF ENERGY, MINES AND RESOURCES. 18P. + MAPS. (CANADA, EARTH PHYSICS BRANCH, GRAVITY MAP SERIES 156)

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VAN COUVERING, J.A., AUBRY, M.P., BERGGREN, W.A., BUJAK, J.P., NAESER, C.W., WIESER, T. 1981. THE TERMINAL EOCENE EVENT AND THE POLISH CONNECTION. IN: PALEOGENE PALEOGEOGRAPHY AND THE GEOLOGICAL EVENTS AT THE EOCENE / OLIGOCENE BOUNDARY, ED., C. POMEROL. PALAEOGEOGRAPHY, PALAEOCLIMATOLOGY, PALAEOECOLOGY 36(3/4): 321-362.

EOCENE-OLIGOCENE POLISH STRATA GIVE CLUES ABOUT THE NATURE OF THE TERMINAL EOCENE EVENT.

2101

VAN DER LINDEN, W.J.M. 1974. BOOK REVIEW OF THE BLACK SEA - GEOLOGY, CHEMISTRY AND BIOLOGY, ED., E.T. DEGENS AND D.A. ROSS. GEOSCIENCE CANADA 1(4): 58-59.

REVIEW OF 45 PAPERS COMBINED IN AAPG MEMOIR ON THE GEOLOGY OF THE BLACK SEA. PAPERS REPORT THE RESULT OF THE 1969 R/V ATLANTIS 11 (WHOI) AND OF EARLIER MAINLY RUSSIAN EXPEDITIONS.

2102

VAN DER LINDEN, W.J.M. 1975. CRUSTAL ATTENUATION AND SEA-FLOOR SPREADING IN THE LABRADOR SEA. EARTH AND PLANETARY SCIENCE LETTERS 27: 409-423. (BIO CONTRIBUTION NO. 494)

GEOPHYSICAL MEASUREMENTS SHOW THAT THE LABRADOR MARGIN IS UNDERLAIN BY THIN FOUNDERED CONTINENTAL CRUST. CRUSTAL ATTENUATION IS EXPLAINED BY MECHANICAL AND CHEMICAL PROCESSES AS A RESULT OF THERMAL EXPANSION OF THE MANTLE. THE CENTRAL LABRADOR BASIN DEVELOPED BY SEA-FLOOR SPREADING. IT IS SUGGESTED THAT THE LABRADOR SEA STRUCTURES TERMINATE IN BAFFIN ISLAND.

2103

VAN DER LINDEN, W.J.M. 1975. GEOLOGICAL EVOLUTION OF THE LABRADOR SEA. BEDFORD INSTITUTE OF OCEANOGRAPHY BIENNIAL REVIEW 1973-74: 265-274.

2104

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2105

VAN DER LINDEN, W.J.M. 1976. BOOK REVIEW OF DER MEERESBODEN, ERGEBNISSE UND PROBLEME DER MEERESGEOLOGIE (THE SEAFLOOR, RESULTS AND PROBLEMS IN MARINE GEOLOGY) BY E. SEIBOLD. GEOSCIENCE CANADA 3(1): 62.

REVIEW OF GERMAN TEXTBOOK ON MARINE GEOLOGY, FOCUSING ON FEATURES AND PROCESSES NEAR THE SEDIMENT-WATER INTERFACE.

2106

VAN DER LINDEN, W.J.M. 1976. RIFTING AND DRIFTING PHASES OF OCEAN BASIN EVOLUTION AND VARIATIONS ON THIS THEME [ABSTRACT]. EOS; TRANSACTIONS, AMERICAN GEOPHYSICAL UNION 57(9): 677.

WITHIN A COMPLETE CYCLE OF OCEAN BASIN FORMATION, A DRIFTING PHASE IS PRECEDED BY A RIFTING PHASE. VARIATIONS DO OCCUR ON THIS CYCLE THAT ARE ILLUSTRATED BY 4 EXAMPLES, THE LABRADOR SEA, THE S.W. PACIFIC, THE WORLD RIFT SYSTEM AND THE ARCTIC ARCHIPELAGO.

2107

VAN DER LINDEN, W.J.M. 1977. HOW MUCH CONTINENT UNDER THE OCEAN?. MARINE GEOPHYSICAL RESEARCHES 3(2): 209-224.

2108

VAN DER LINDEN, W.J., FILLON, R.H., MONAHAN, D. 1976. HAMILTON BANK, LABRADOR SHELF: ORIGIN AND EVOLUTION OF A GLACIATED SHELF. GEOLOGICAL SURVEY OF CANADA PAPER 75-40. 31P. + 3 MAPS. (MARINE SCIENCE PAPER 14) (BIO CONTRIBUTION NO. 612)

THE EVOLUTION OF HAMILTON BANK IS TRACED FROM ITS PALEOZOIC ORIGIN AS A MARGINAL BASIN THROUGH DIASTROPHISM DEPOSITION AND EROSION INTO THE LATE CENOZOIC. FLUVIAL EROSION DISSECTED THE LABRADOR MARGIN AND GLACIATION LEFT A COVER OF DRIFT. SINCE DEGLACIATION SEDIMENTS HAVE BEEN REWORKED BY BOTTOM CURRENTS AND ICEBERG FURROWING.

2109

VAN DER LINDEN, W.J.M., SRIVASTAVA, S.P. 1975. THE CRUSTAL STRUCTURE OF THE CONTINENTAL MARGIN OFF CENTRAL LABRADOR. IN: OFFSHORE GEOLOGY OF EASTERN CANADA: VOLUME 2 - REGIONAL GEOLOGY, ED., W.J.M. VAN DER LINDEN AND J.A. WADE. GEOLOGICAL SURVEY OF CANADA PAPER 74-30(2): 233-245. (BIO CONTRIBUTION NO. 562)

GEOPHYSICAL EVIDENCE COLLECTED OVER THE CENTRAL LABRADOR SHELF, SLOPE AND RISE IDENTIFIES THE STRUCTURE OF A RIFTED CONTINENTAL MARGIN, FLANKED BY

AN ANCIENT OCEAN BASIN. A LARGE QUANTITY OF SEDIMENT LIES UNDER THE SLOPE AND RISE AND FORMS A COAST PARALLEL SEDIMENTARY BASIN. OFFSETS IN THE MAGNETIC AND GRAVITY PATTERN OVER THE MARGIN COINCIDE WITH A BASEMENT HIGH WHICH FOLLOWS THE TREND OF THE GRENVILLE FRONT ON LAND.

2110

VANDERMEULEN, J.H., BUCKLEY, D.E. 1985. B.I.O. SPILL RESPONSE. IN: THE KURDISTAN OIL SPILL OF MARCH 16-17, 1979: ACTIVITIES AND OBSERVATIONS OF THE BEDFORD INSTITUTE OF OCEANOGRAPHY RESPONSE TEAM, ED., J.H. VANDERMEULEN AND D.E. BUCKLEY. CANADIAN TECHNICAL REPORT OF HYDROGRAPHY AND OCEAN SCIENCES 35: 19-29.

2111

VANDERMEULEN, J.H. (ED.), BUCKLEY, D.E. (ED.) 1985. THE KURDISTAN OIL SPILL OF MARCH 16-17, 1979: ACTIVITIES AND OBSERVATIONS OF THE BEDFORD INSTITUTE OF OCEANOGRAPHY RESPONSE TEAM. CANADIAN TECHNICAL REPORT OF HYDROGRAPHY AND OCEAN SCIENCES 35. 190P.

2112

VANDERMEULEN, J.H., BUCKLEY, D.E., LEVY, E.M., LONG, B., MCLAREN, P., WELLS, P.G. 1978. IMMEDIATE IMPACT OF AMOCO CADIZ ENVIRONMENTAL OILING: OIL BEHAVIOR AND BURIAL, AND BIOLOGICAL ASPECTS. IN: AMOCO CADIZ, PREMIERES OBSERVATIONS DES CONSEQUENCES A COURT TERME DE LA POLLUTION PAR HYDROCARBURES SUR L'ENVIRONNEMENT MARIN. BREST, FRANCE: CNEXO. P.159-174. (CENTRE NATIONAL POUR L'EXPLORATION DES OCEANS, ACTES DE COLLOQUES 6) (BIO CONTRIBUTION NO. 793)

2113

VANDERMEULEN, J.H., BUCKLEY, D.E., LEVY, E.M., LONG, B.F.N., MCLAREN, P., WELLS, P.G. 1978. PRELIMINARY REPORT - BEDFORD INSTITUTE OF OCEANOGRAPHY SCIENTIFIC VISIT TO AMOCO CADIZ SPILL SITE. SPILL TECHNOLOGY NEWSLETTER 3(2): 7-13.

OBSERVATIONS RESULTING FROM FIELD INVESTIGATIONS OF THE IMPACT OF THE SPILL ARE REPORTED. PRELIMINARY ESTIMATES OF THE SHORT AND LONG TERM EFFECTS OF THE SPILL ARE MADE AND COMMENTS ON THE CLEANUP STRATEGY ARE INCLUDED

2114

VANDERMEULEN, J.H., BUCKLEY, D.E., LEVY, E.M., LONG, B.F.N., MCLAREN, P., WELLS, P.G. 1979. SEDIMENT PENETRATION OF AMOCO CADIZ OIL, POTENTIAL FOR FUTURE RELEASE, AND TOXICITY. MARINE POLLUTION BULLETIN 10(8): 222-227.

2115

VANICEK, P., ET AL 1987. SATELLITE ALTIMETRY APPLICATIONS FOR MARINE GRAVITY. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1432. 170 P.

THIS IS THE FINAL REPORT ON CONTRACT DSS #OSC 84-00472 DETAILING METHODS USED AND RESULTS OBTAINED FROM A COMPARISON OF GEOIDS DERIVED FROM A TRUNCATED STOKES' INTEGRATION OF THE MARINE GRAVITY DATA AND A NEW TECHNIQUE FOR COMPUTING A TRUNCATED GEOID FROM SATELLITES ALTIMETRY DATA.

2116

VERHOEF, J., MACNAB, R. 1988. MAGNETIC DATA OVER THE CONTINENTAL MARGIN OF EASTERN CANADA; PREPARATION OF A DATA BASE AND CONSTRUCTION OF A 1:5 MILLION MAGNETIC ANOMALY MAP. GEOPHYSICAL SURVEY OF CANADA OPEN FILE 1504. 42 P., 54 FIG.

THIS REPORT DESCRIBES THE IMPLEMENTATION OF A DATA BASE CONTAINING MARINE AND AEROMAGNETIC DATA OVER EASTERN CANADA AND ADJACENT OFFSHORE AREAS. ALSO THE EDITING OF THE DATA, A CROSS-OVER ANALYSIS, AND THE LEVELLING OF THE DIFFERENT SUBSETS ARE DESCRIBED

2117

VERHOEF, J., MACNAB, R., WOODSIDE, J. 1987. GEOPHYSICAL DATA BASES AT THE ATLANTIC GEOSCIENCE CENTRE. PROCEEDINGS, THE OCEANS - AN INTERNATIONAL WORKPLACE 3: 1068-1073. (GEOLOGICAL SURVEY OF CANADA CONTRIBUTION 20387)

THIS PAPER DESCRIBES GENERAL PROCEDURES FOLLOWED IN RATIONALIZING OUR COLLECTION OF MARINE GRAVITY AND MAGNETIC DATA, AND PRESENTS SOME SAMPLE DISPLAY PRODUCTS

2118

VERHOEF, J., OAKLEY, G., WOODSIDE, J., MACNAB, R., MCCONNELL, K. 1987. GEOLOGICAL FRAMEWORK OF EASTERN CANADA FROM POTENTIAL FIELD DATA [ABSTRACT]. EOS; TRANSACTIONS, AMERICAN GEOPHYSICAL UNION 68(44): 1459.

A VARIETY OF COMPUTER-BASED GEOLOGICAL INVESTIGATIONS IS FACILITATED USING A DATA BASE COMPILED FROM OVER TWO MILLION CAREFULLY EDITED GRAVITY AND MAGNETIC OBSERVATIONS FROM LAND AND MARINE REGIONS OF EASTERN CANADA.

2119

VILKS, G. 1964. FORAMINIFERAL STUDY OF EAST BAY, MACKENZIE KING ISLAND, DISTRICT OF FRANKLIN (POLAR CONTINENTAL SHELF PROJECT). GEOLOGICAL SURVEY OF CANADA PAPER 64-53. 26P.

2120

VILKS, G. 1967. QUANTITATIVE ANALYSIS OF FORAMINIFERA IN BRAS D'OR LAKES. BIO REPORT SERIES BIO 67-1. 84P.

2121

VILKS, G. 1968. FORAMINIFERAL STUDY OF THE MAGDALEN SHALLOWS, GULF OF ST. LAWRENCE. MARITIME SEDIMENTS 4(1): 14-21.

2122

VILKS, G. 1969. RECENT FORAMINIFERA IN THE CANADIAN ARCTIC. MICROPALAEONTOLOGY 15(1): 35-60.

2123

VILKS, G. 1970. A NEW METHOD FOR SEPARATION OF SKELETAL MATERIAL FROM A PLANKTON SAMPLE. MARITIME SEDIMENTS 6(2): 72-73.

2124

VILKS, G. 1970. CIRCULATION OF SURFACE WATERS IN PARTS OF THE CANADIAN ARCTIC

ARCHIPELAGO BASED ON FORAMINIFERAL EVIDENCE. ARCTIC 23(2): 100-111.

2125

VILKS, G. 1972. PLANKTONIC FORAMINIFERA IN THE WATER AND SEDIMENTS OF BEAUFORT SEA, CANADIAN ARCTIC. IN: INTERNATIONAL GEOLOGICAL CONGRESS (24TH : 1972 : MONTREAL), SECTION 8, MARINE GEOLOGY AND GEOPHYSICS. MONTREAL: THE CONGRESS. P.135-141.

2126

VILKS, G. 1973. A STUDY OF *GLOBOROTALIA PACHYDERMA* (EHRENBERG) = *GLOBIGERINA PACHYDERMA* (EHRENBERG) IN THE CANADIAN ARCTIC. DALHOUSIE UNIVERSITY, DOCTORAL THESIS. 256P. + 3 PLATES.

2127

VILKS, G. 1974. REPORT ON SYMPOSIUM "MARINE PLANKTON AND SEDIMENTS" AND THIRD PLANKTONIC CONFERENCE, KIEL, SEPTEMBER 9-13, 1974. MARITIME SEDIMENTS 10(3): 111-117.

CONTENTS OF INVITED PAPERS DISCUSSED WITH SUMMARIES AND EVALUATION OF THE DAILY SESSIONS ON FORAMINIFERA.

2128

VILKS, G. 1974. THE DISTRIBUTION OF PLANKTONIC FORAMINIFERA IN THE SEDIMENTS AND WATER OF THE NORTHWEST PASSAGE AND NORTHERN BAFFIN BAY: A TOOL FOR PALEOCEANOGRAPHIC SYNTHESIS. IN: OFFSHORE GEOLOGY OF EASTERN CANADA: VOLUME 1 - CONCEPTS AND APPLICATIONS OF ENVIRONMENTAL MARINE GEOLOGY, ED., B.R. PELLETIER. GEOLOGICAL SURVEY OF CANADA PAPER 74-30(1): 109-121. (BIO CONTRIBUTION NO. 446)

ON THE BASIS OF THE DIFFERENCES BETWEEN INTRASPECIFIC VARIANTS OF *GLOBOROTALIA PACHYDERMA* IN THE WATER COLUMN AND SEDIMENTS A WORKING HYPOTHESIS FOR PALEOCEANOGRAPHIC SYNTHESIS IN AN ARCTIC BASIN IS PROPOSED.

2129

VILKS, G. 1975. COMPARISON OF *GLOBOROTALIA PACHYDERMA* (EHRENBERG) IN THE WATER COLUMN AND SEDIMENTS OF THE CANADIAN ARCTIC. JOURNAL OF FORAMINIFERAL RESEARCH 5(4): 313-325. (BIO CONTRIBUTION NO. 503)

MAXIMUM DIAMETERS, CHAMBER COUNTS AND SURFACE TEXTURES WERE COMPARED ON SPECIMENS COLLECTED FROM THE WATER COLUMN AND SEDIMENTS OF THE BEAUFORT SEA AND NORTHWEST PASSAGE.

2130

VILKS, G. 1976. FORAMINIFERA OF AN ICE-SCOURED NEARSHORE ZONE IN THE CANADIAN ARCTIC. IN: INTERNATIONAL SYMPOSIUM ON BENTHONIC FORAMINIFERA OF CONTINENTAL MARGINS (1ST : 1975 : HALIFAX) PART A: ECOLOGY AND BIOLOGY, ED., C.T. SCHAFFER AND B.R. PELLETIER. MARITIME SEDIMENTS SPECIAL PUBLICATION 1: 267-277.

SEDIMENT CORES TAKEN FROM AN ICE-SCOURED NEARSHORE ZONE OF THE CANADIAN ARCTIC CONTAINED DISTINCT ZONES IN TERMS OF FORAMINIFERA SUGGESTING A

LIMITED MIXING OF FIVE SEDIMENTS BY ICE.

2131

VILKS, G. 1976. THE DISPOSAL OF HIGH LEVEL NUCLEAR WASTE IN THE OCEANS. GEOSCIENCE CANADA 3(4): 295-298.

A NUMBER OF PAPERS PRESENTED IN A WORKSHOP CALLED TO DISCUSS THE DUMPING OF HIGHLEVEL NUCLEAR WASTE IN THE SEA-FLOOR ARE DISCUSSED INCLUDING A SUMMARY OF RECOMMENDATIONS FOR FUTURE WORK.

2132

VILKS, G. 1977. TRENDS IN THE MARINE ENVIRONMENT OF THE CANADIAN ARCTIC ARCHIPELAGO DURING THE HOLOCENE. IN: POLAR OCEANS, ED., M.J. DUNBAR. CALGARY: ARCTIC INSTITUTE OF NORTH AMERICA. P.643-653.

POSSIBLE CHANGES IN THE MARINE ENVIRONMENT OF THE CANADIAN ARCTIC ARCHIPELAGO ARE DESCRIBED ON THE BASIS OF FORAMINIFERAL EVIDENCE.

2133

VILKS, G. 1978. RECENT FORAMINIFERA, BY ESTEBAN BOLTOVSKOY AND RAMIL WRIGHT [BOOK REVIEW]. GEOSCIENCE CANADA 5(1): 44-45.

2134

VILKS, G. 1979?. SEDIMENTARY ENVIRONMENT OFF HAMILTON INLET, LABRADOR. IN: PROCEEDINGS OF SYMPOSIUM ON RESEARCH IN THE LABRADOR COASTAL AND OFFSHORE REGIONS (1979 : ST. JOHN'S). ST. JOHN'S, NEWFOUNDLAND: MEMORIAL UNIVERSITY. P.148-166.

ON THE BASIS OF C-14 DATES, SEDIMENT SIZE ANALYSIS AND FORAMINIFERA, HOLOCENE PALEOSEDIMENTATION IS COMPARED IN TWO BASINS OFF HAMILTON INLET, LABRADOR SHELF.

2135

VILKS, G. 1980. BOOK REVIEW OF RADIOAKTIVO ATKRITUMU NOGLABASANA OKEANA DZELMES [DISPOSAL OF RADIOACTIVE WASTES IN THE DEEP OF THE OCEANS]. TECHNIKAS APSKATS 90: 1-4.

2136

VILKS, G. 1980. LATE GLACIAL AND POST GLACIAL BOUNDARY IN SEDIMENTS OF EASTERN CANADA, DENMARK AND NORWAY [ABSTRACTS]. GEOLOGICAL ASSOCIATION OF CANADA ANNUAL MEETING ABSTRACTS 5: 86.

LATE GLACIAL-POST GLACIAL BOUNDARY IN CANADIAN AND EUROPEAN SHELF SEDIMENTS IS DEFINED WITH THE DECREASE OF ELPHIDIUM EXCAVATUM FORMA CLAVATA.

2137

VILKS, G. 1980. POSTGLACIAL BASIN SEDIMENTATION ON LABRADOR SHELF. GEOLOGICAL SURVEY OF CANADA PAPER 78-28. 28P.

2138

VILKS, G. 1981. LATE GLACIAL-POSTGLACIAL FORAMINIFERAL BOUNDARY IN SEDIMENTS OF

EASTERN CANADA, DENMARK AND NORWAY. GEOSCIENCE CANADA 8(2): 48-55.

REDUCTION IN RELATIVE NUMBERS OF ELPHIDIUM EXCAVATUM F. CLAVATA IN SEDIMENT CORES IS USED TO ESTABLISH LATE GLACIAL-POSTGLACIAL BOUNDARY.

2139

VILKS, G. 1981. SCIENCE AND TECHNOLOGY: BRIDGING THE FRONTIERS: AAAS ANNUAL MEETING, JANUARY 3-8, 1981. GEOSCIENCE CANADA 8(3): 126-128.

2140

VILKS, G. 1982. CANADA (SUMMARY OF RESULTS). IN: INTERNATIONAL NEA/SEABED WORKING GROUP MEETING (7TH : 1982 : LA JOLLA, CALIFORNIA), ED., D.R. ANDERSON. ALBUQUERQUE, NM: SANDIA NATIONAL LABORATORIES. P.14-16. AVAILABLE FROM: NITIS, SAND 82-0460

2141

VILKS, G. 1983. MARINE GEOLOGY, BY J.P. KENNETT [BOOK REVIEW]. GEOSCIENCE CANADA 10(4): 222-223.

2142

VILKS, G. 1984. PLEISTOCENE- HOLOCENE BASIN SEDIMENTATION, EAST COAST OF CANADA. GEOLOGICAL SURVEY OF CANADA PAPER 84-1A: 643-646.

2143

VILKS, G. 1985. MODELES PALEOCLIMATIQUES FONDES SUR L'OBSERVATION DES FOSSILES: ETUDE PORTANT SUR LE LAC MELVILLE, AU SUD-EST DU LABRADOR. REVUE 1984 DE L'IOB: 9-12.

2144

VILKS, G. 1985. PALEOCLIMATIC MODELS FROM FOSSIL RECORDS. BIO REVIEW '84: 9-12.

2145

VILKS, G. 1986. THE GEOLOGY OF THE ATLANTIC OCEAN, BY K.O. EMERY AND ELAZAR UCHUPI [BOOK REVIEW]. SEDIMENTOLOGY 33: 621-623.

IN OVER 1000 PAGES THE BOOK COMPILES OLD AND NEW MARINE GEOLOGICAL INFORMATION AND UPDATES THE PRINCIPAL IDEAS DESCRIBING THE DEVELOPMENT AND PROCESSES IN THE ATLANTIC OCEAN FROM ITS INCEPTION TO THE PRESENT THE MAJOR DATABASE IS GEOPHYSICAL, FOLLOWED BY GEOLOGICAL INFORMATION FROM THE DEEP SEA DRILLING PROJECT AND EXPLORATION OIL WELLS.

2146

VILKS, G. 1987. STABLE ISOTOPES IN THE BENTHIC FORAMINIFER CIBICIDES LOBATULUS RELATED TO OCEANOGRAPHIC CONDITIONS OF THE LABRADOR CURRENT. IN: ARCTIC WORKSHOP (16TH : 1987 : EDMONTON), ABSTRACTS. EDMONTON, ALBERTA. P.133-134.

THERE IS A SIGNIFICANT LINEAR REGRESSION BETWEEN SALINITY OF THE AMBIENT SEAWATER AND S180 VALUES IN THE TESTS OF C. LOBATULUS. THE S180 IS NOT RELATED TO TEMPERATURE. THIS RELATIONSHIP IS USEFUL TO INTERPRET DOWNCORE S180 PROFILES.

2147

VILKS, G., AKSU, A. 1984. FORAMINIFERA FROM THE LOMONOSOV RIDGE AND ADJACENT BASINS, CENTRAL ARCTIC OCEAN [ABSTRACT]. IN: JOINT PROGRAMME WITH ABSTRACTS; ANNUAL CONGRESS, CANADIAN METEOROLOGICAL AND OCEANOGRAPHIC SOCIETY (18TH : 1984 : HALIFAX, N.S.) [AND] ANNUAL MEETING, CANADIAN GEOPHYSICAL UNION (11TH : 1984 : HALIFAX, N.S.) = PROGRAMME CONJOINT AVEC RESUMES; CONGRES ANNUEL, SOCIETE CANADIENNE DE METEOROLOGIE ET D'OCEANOGRAPHIE (18E : 1984 : HALIFAX, N.-E.) [ET] REUNION ANNUELLE, L'UNION CANADIENNE DE GEOPHYSIQUE (11E : 1984 : HALIFAX, N.-E.), ED., E.J. TRUHLAR. HALIFAX: THE CONFERENCE. P.62-63.

FORAMINIFERA FROM SURFACE SEDIMENTS ARE COMPARED ALONG A TRAVERSE ACROSS THE LOMONOSOV RIDGE. CALCAREOUS ARCTIC DEEP WATER SPECIES DOMINATE THE ASSEMBLAGES IN MAKAROW BASIN AND ON TOP OF LOMONOSOV RIDGES AGGLUTINATED SPECIES IN THE DEEPER AND COLDER WATER OF FRAM BASIN

2148

VILKS, G., ANTHONY, E.H., WILLIAMS, W.T. 1970. APPLICATION OF ASSOCIATION-ANALYSIS TO DISTRIBUTION STUDIES OF RECENT FORAMINIFERA. CANADIAN JOURNAL OF EARTH SCIENCES 7(6): 1462-1469.

2149

VILKS, G., BUCKLEY, D. 1982. DEPOSITION AND EARLY DIAGENESIS OF SEDIMENTS IN THE DISTAL SOHM ABYSSAL PLAIN [ABSTRACT]. IN: INTERNATIONAL CONGRESS ON SEDIMENTOLOGY (11TH : 1982 : MCMASTER UNIVERSITY, HAMILTON, ONT.), ABSTRACTS OF PAPERS. HAMILTON: MCMASTER UNIVERSITY, DEPT. OF GEOLOGY. P.46.

2150

VILKS, G., BUCKLEY, D.E., CRANSTON, R.E. 1981. SUMMARY OF NATIONAL POLICIES AND POSITIONS: CANADA. IN: PROCEEDINGS OF THE ANNUAL NEA-SEABED WORKING GROUP MEETING (6TH : 1981 : PARIS), ED., D.R. ANDERSON. ALBUQUERQUE, NM: SANDIA NATIONAL LABORATORIES. P.12-13. AVAILABLE FROM NTIS: SAND 81-0427

2151

VILKS, G., BUCKLEY, D., KEIGWIN, L. 1985. LATE QUATERNARY SEDIMENTATION ON THE SOUTHERN SOHM ABYSSAL PLAIN. SEDIMENTOLOGY 32(1): 69-82.

2152

VILKS, G., DEONARINE, B., RASHID, M., WINTERS, G. 1984. LATE GLACIAL - POSTGLACIAL LAND-SEA INTERACTION IN LAKE MELVILLE, SOUTHEASTERN LABRADOR. IN: ANNUAL ARCTIC WORKSHOP (13TH : 1984 : INSTITUTE OF ARCTIC AND ALPINE RESEARCH, BOULDER, CO). BOULDER, CO: THE WORKSHOP. P.56-57.

THE EARLY POST GLACIAL DEPOSITS IN LAKE MELVILLE ARE LAMINATED AND UNFOSSILIFEROUS AND RELATIVELY HIGH IN HUMIC ACIDS, SUGGESTING LOW OXYGEN LEVELS IN BOTTOM WATERS DURING DEPOSITION. SUBSEQUENTLY THE ANOXIC BOTTOM CONDITION WAS REPLACED BY A MORE OPEN MARINE ENVIRONMENT THAT BECAME BRACKISH WITH SHALLOWING SILL DEPTH AT THE ENTRANCE OF THE LAKE

2153

VILKS, G., DEONARINE, B., WAGNER, F.J., WINTERS, G.V. 1982. FORAMINIFERA AND MOLLUSCA IN SURFACE SEDIMENTS OF SOUTHEASTERN LABRADOR SHELF AND LAKE MELVILLE, CANADA. GEOLOGICAL SOCIETY OF AMERICA BULLETIN 93(3): 225-238.

2154

VILKS, G., DEONARINE, B., WINTERS, G. 1980. FORAMINIFERA IN SURFACE SEDIMENTS OF SOUTHEASTERN LABRADOR SHELF AND LAKE MELVILLE, CANADA [ABSTRACT]. GEOLOGICAL SOCIETY OF AMERICA, ABSTRACTS WITH PROGRAMS 12(7): 541.

2155

VILKS, G., DEONARINE, B., WINTERS, G. 1987. LATE QUATERNARY MARINE GEOLOGY OF LAKE MELVILLE, LABRADOR. GEOLOGICAL SURVEY OF CANADA PAPER 87-22. 50P.

HUNTEC DTS PROFILES SHOW EVIDENCE FOR SEDIMENTARY PROCESSES ASSOCIATED WITH GLACIER ICE. FORAMINIFERA AND SEDIMENT LITHOLOGIES IN PISTON CORES ARE USED AS EVIDENCE TO DESCRIBE MOST GLACIAL SEDIMENTATION IN A BRACKISH FJORD ENVIRONMENT DOMINATED BY FLUVIAL DEPOSITION. ORGANIC CARBON AND SHELL DATES FROM PISTON CORES GIVE A MINIMUM AGE OF 8 000 YBP FOR THE BEGINNING OF THE PROGLACIAL ENVIRONMENT IN CENTRAL LAKE MELVILLE.

2156

VILKS, G., HALL, J.M., PIPER, D.J.W. 1977. THE NATURAL REMANENT MAGNETIZATION OF SEDIMENT CORES FROM THE BEAUFORT SEA. CANADIAN JOURNAL OF EARTH SCIENCES 14(9): 2007-2012. (BIO CONTRIBUTION NO. 647)

2157

VILKS, G., HARDY, I.A. 1983. THE 12TH ARCTIC WORKSHOP. GEOSCIENCE CANADA 10(3): 125-127.

2158

VILKS, G., HARDY, I., JOSEPHANS, H. 1983. QUATERNARY ACOUSTIC AND BIOSTRATIGRAPHY OF THE INNER LABRADOR SHELF [ABSTRACT]. IN: ABSTRACTS OF THE 12TH ARCTIC WORKSHOP (12TH : 1983 : UNIVERSITY OF MASSACHUSETTS AT AMHERST). AMHERST, MASS: [THE WORKSHOP]. (UNIVERSITY OF MASSACHUSETTS. DEPARTMENT OF GEOLOGY & GEOGRAPHY. CONTRIBUTION NO. 44)

2159

VILKS, G., HARDY, I., JOSEPHANS, H.W. 1984. LATE QUATERNARY STRATIGRAPHY OF THE INNER LABRADOR SHELF. GEOLOGICAL SURVEY OF CANADA PAPER 84-1A: 57-65.

2160

VILKS, G., JOICE, G. 1976. FORAMINIFERA IN SEDIMENT CORES FROM BEAUFORT SEA AND PARRY CHANNEL, CANADIAN ARCTIC. BEDFORD INSTITUTE OF OCEANOGRAPHY DATA SERIES BI-D-76-1. 201P.

REPORT CONTAINS A QUANTITATIVE LIST OF FORAMINIFERA FROM 61 CORES, 1080 SUBSAMPLES.

2161

VILKS, G., KRAUEL, D.P. 1982. ENVIRONMENTAL GEOLOGY OF THE MIRAMICHI ESTUARY:

PHYSICAL OCEANOGRAPHY. GEOLOGICAL SURVEY OF CANADA PAPER 81-24. 53P.

ON THE BASIS OF SEASONAL VARIABILITY IN SALINITY AND CURRENTS, CIRCULATION OF THE MIRAMICHI ESTUARY SYSTEM IS DESCRIBED.

2162

VILKS, G., MCLAREN, P. 1975. FORAMINIFERA OF AN ICE-SCOURED NEARSHORE ZONE IN THE CANADIAN ARCTIC [ABSTRACT]. IN: ABSTRACTS, BENTHONICS '75. HALIFAX: DALHOUSIE UNIV., ETC. P.50.

2163

VILKS, G., MUDIE, P.J. 1978. EARLY DEGLACIATION OF THE LABRADOR SHELF. SCIENCE 202(4373): 1181-1183. (BIO CONTRIBUTION NO. 728)

2164

VILKS, G., MUDIE, P.J. 1978. EARLY WISCONSINAN DEGLACIATION ON LABRADOR SHELF [ABSTRACT]. GEOLOGICAL SOCIETY OF AMERICA, ABSTRACTS WITH PROGRAMS 10(7): 509.

2165

VILKS, G., MUDIE, P.J. 1982. POSTGLACIAL PALEOCEANOGRAPHY AND PALEOCLIMATE IN LAKE MELVILLE, LABRADOR [ABSTRACT]. IN: ARCTIC WORKSHOP (11TH : 1982 : BOULDER, CO). BOULDER: INSTITUTE OF ARCTIC AND ALPINE RESEARCH. P.46-47.

2166

VILKS, G., MUDIE, P.J. 1983. EVIDENCE FOR POSTGLACIAL PALEOCEANOGRAPHIC AND PALEOCLIMATIC CHANGES IN LAKE MELVILLE, LABRADOR, CANADA. ARCTIC AND ALPINE RESEARCH 15(3): 307-320.

2167

VILKS, G., MUNGALL, C. 1979. MONITORING THE DEEP OCEAN. GEOS 1979(WINTER): 13-15.

2168

VILKS, G., RASHID, M.A. 1975. FORAMINIFERA AND ORGANIC GEOCHEMISTRY OF TWO SEDIMENT CORES FROM A FOCKMARKED BASIN OF THE SCOTTIAN SHELF. GEOLOGICAL SURVEY OF CANADA PAPER 75-1C: 5-6.

2169

VILKS, G., RASHID, M.A. 1976. POST-GLACIAL PALEO-OCEANOGRAPHY OF EMERALD BASIN, SCOTTIAN SHELF. CANADIAN JOURNAL OF EARTH SCIENCES 13(9): 1256-1267. (BIO CONTRIBUTION NO. 593)

FORAMINIFERA AND ORGANIC COMPOUNDS IN TWO SEDIMENT CORES INDICATE THAT DURING LATE PLEISTOCENE-EARLY HOLOCENE TIMES BRACKISH WATERS EXISTED IN EMERALD BASIN AND THAT THE SEA-FLOOR WAS WELL OXYGENATED.

2170

VILKS, G., RASHID, M.A. 1976. PRESERVATION OF ORGANIC MATTER AND METHANE IN THE SEDIMENTS OF A SUBARCTIC CONTINENTAL SHELF [ABSTRACT]. IN: ABSTRACTS, INTERNATIONAL GEOLOGICAL CONGRESS (25TH : 1976 : SYDNEY). [S.L.: S.N.]. V.1: 256-257.

2171

VILKS, G., RASHID, M.A. 1977. METHANE IN THE SEDIMENTS OF A SUBARCTIC CONTINENTAL SHELF. GEOSCIENCE CANADA 4(4): 191-197. (BIO CONTRIBUTION NO. 666)

2172

VILKS, G., RASHID, M.A., DELGADO, C. 1981. INTERPRETATION OF PALEOCEANOGRAPHIC CONDITIONS ON THE PERU SHELF USING PALEOECOLOGY AND GEOCHEMISTRY. IN: INVESTIGACION COOPERATIVA DE LA ANCHOVETA Y SU ECOSISTEMA - ICANE - ENTRE PERU Y CANADA, ED., A.L. CANNON. INSTITUTO DEL MAR DEL PERU BOLETIN VOLUMEN EXTRAORDINARIO: 269-273.

DISTRIBUTION OF PLANKTONIC FORAMINIFERA AND C DATES INDICATE EXTENSIVE SEDIMENT MIXING AND REWORKING ON THE CONTINENTAL SHELF OFF PERU.

2173

VILKS, G., RASHID, M.A., VAN DER LINDEN, W.J.M. 1974. METHANE IN RECENT SEDIMENTS OF THE LABRADOR SHELF. CANADIAN JOURNAL OF EARTH SCIENCES 11(10): 1427-1434. (BIO CONTRIBUTION NO. 438)

METHANE, UP TO A CONCENTRATION OF ABOUT 16000 PPM WAS FOUND IN A SEDIMENT CORE OF LABRADOR SHELF. ITS ORIGIN APPEARS TO BE DUE TO BACTERIAL FERMENTATION OF ORGANIC MATTER, UNRELATED TO PETROLEUM GENESIS PROCESSES.

2174

VILKS, G., SCHAFER, C.T., WALKER, D.A. 1975. THE INFLUENCE OF A CAUSEWAY ON OCEANOGRAPHY AND FORAMINIFERA IN THE STRAIT OF CANSO, NOVA SCOTIA. CANADIAN JOURNAL OF EARTH SCIENCES 12(12): 2086-2102. (BIO CONTRIBUTION NO. 522)

MARINE ENVIRONMENT IN THE STRAIT OF CANSO IS DESCRIBED INCLUDING CHANGES THAT WERE CAUSED BY THE BUILDING OF A CAUSEWAY.

2175

VILKS, G., SWIFT, S.A. 1978. SAMPLING OF BOTTOM SEDIMENTS IN THE EQUATORIAL PACIFIC FOLLOWING TEST MANGANESE MINING [ABSTRACT]. GEOLOGICAL SURVEY OF CANADA PAPER 78-1C: 99-100. (NOAA/ERL PACIFIC MARINE 376)

2176

VILKS, G.M. (COMP.), SYVITSKI, J.P.M. (COMP.) 1985. ARCTIC LAND-SEA INTERACTION; ARCTIC WORKSHOP (14TH : 1985 : BEDFORD INSTITUTE OF OCEANOGRAPHY, DARIMOUTH, N.S.). [DARIMOUTH, N.S.: THE WORKSHOP]. 237P. (GEOLOGICAL SURVEY OF CANADA OPEN FILE 1223)

THE 14TH ARCTIC WORKSHOP WAS FOCUSED ON THE THEME ARCTIC LAND-SEA INTERACTIONS TO REFLECT RESEARCH ACTIVITY IN THE ARCTIC NEARSHORE ZONE. THE 237 PAGE VOLUME INCLUDES 90 EXTENDED ABSTRACTS (UP TO 5 PAGES) PROVIDING A FORMAT FOR REFERENCES AND DIAGRAMS.

2177

VILKS, G., WAGNER, F.J.E. 1977. HOLOCENE HISTORY OF SEDIMENTARY PROCESSES IN

SOUTHEASTERN BEAUFORT SEA BASED ON FORAMINIFERA AND MOLLUSCA [ABSTRACT].
GEOLOGICAL ASSOCIATION OF CANADA ANNUAL MEETING PROGRAM WITH ABSTRACTS 2:
54.

2178

VILKS, G., WAGNER, F.J.E., PELLETIER, B.R. 1979. THE HOLOCENE MARINE
ENVIRONMENT OF THE BEAUFORT SHELF. GEOLOGICAL SURVEY OF CANADA BULLETIN
303. 43P.

2179

VILKS, G., WALKER, D.A. 1974. MORPHOLOGY OF ORBULINA UNIVERSA D'ORIBIGNY IN
RELATION TO OTHER SPINOSE PLANKTONIC FORAMINIFERA. JOURNAL OF
FORAMINIFERAL RESEARCH 4(1): 1-8. (BIO CONTRIBUTION NO. 398)

2180

VILKS, G., WANG, Y. 1981. SURFACE TEXTURE OF QUARTZ GRAINS AND SEDIMENTARY
PROCESSES ON THE SOUTHEASTERN LABRADOR SHELF. GEOLOGICAL SURVEY OF CANADA
PAPER 81-1B: 55-61.

POSSIBLE LATE GLACIAL-POSTGLACIAL SEDIMENTARY ENVIRONMENT IS DESCRIBED ON
THE BASIS OF SURFACE TEXTURE OF QUARTZ GRAINS AND FORAMINIFERA.

2181

VOGT, P.R., KOVACS, L.C., BERNERO, C., SRIVASTAVA, S.P. 1982. ASYMMETRIC
GEOPHYSICAL SIGNATURES IN THE GREENLAND-NORWEGIAN AND SOUTHERN LABRADOR
SEAS AND THE EURASIA BASIN. TECTONOPHYSICS 89(1/3): 95-160.

2182

VON HUENE, R., KULM, L.D., DUNCAN, J.R., INGLE, J.C., KLING, S.A., MUSICH, L.M.,
PIPER, D.J.W., PRATT, R.M., SCHRADER, H.-J., WESER, O., WISE, S.W. 1971.
DEEP SEA DRILLING PROJECT, LEG 18. GEOTIMES 16(10): 12-15.

2183

VON HUENE, R., PIPER, D.J.W., DUNCAN, J. 1973. MEASUREMENTS OF POROSITY IN
SEDIMENTS OF THE LOWER CONTINENTAL MARGIN, DEEP-SEA FANS, THE ALEUTIAN
TRENCH, AND ALASKAN ABYSSAL PLAIN. IN: INITIAL REPORTS OF THE DEEP SEA
DRILLING PROJECT, L.D. KULM, R. VON HUENE, ET AL. WASHINGTON: U.S.
GOVERNMENT PRINTING OFFICE. V.18:889-895.

2184

VONK, A.M. 1987. VITRINITE REFLECTANCE (RO MAX) OF COAL SAMPLES FROM
IRVING-CHEVRON-TEXACO CABLEHEAD E-95. GEOLOGICAL SURVEY OF CANADA OPEN
FILE 1620: 21 P.

MATURATION STUDIES GIVE AN ESTIMATE OF 2823 M OF ERODED STRATIGRAPHIC
SECTION. THE FOLLOWING MATURATION LEVELS WERE ALSO DETERMINED FOR
CABLEHEAD E-95: %RO DEPTH IN METERS CONFIDENCE 0.8 728 DETERMINED 1.0
1300 DETERMINED 1.2 1767 DETERMINED 1.35 2069 DETERMINED.

2185

VONK, A.M. 1987. VITRINITE REFLECTANCE (RO MAX) OF COAL SAMPLES FROM SOQUIP ET
AL. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1619: 24 P.

MATURATION STUDIES GIVE AN ESTIMATE OF 4488 FEET OF ERODED STRATIGRAPHIC SECTION. THE FOLLOWING MATURATION LEVELS WERE ALSO DETERMINED FOR NAUFRAGE NO. 1 %RO DEPTH IN FEET CONFIDENCE 1.35 7679 DETERMINED 2.0 10183 DETERMINED.

2186

VONK, A.M. 1987. VITRINITE REFLECTANCE (RO MAX) OF COAL SAMPLES FROM SOQUIP ET AL. TYRONE NO. 1. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1618: 20 P.

MATURATION STUDIES GIVE AN ESTIMATE OF 3492 FEET OF ERODED STRATIGRAPHIC SECTION. THE FOLLOWING MATURATION LEVELS WERE ALSO DETERMINED FOR TYRONE NO.1: %RO DEPTH IN FEET CONFIDENCE 1.35 7903 DETERMINED 2.0 10249 DETERMINED.

2187

VOPPEL, D., SRIVASTAVA, S.P., FLEISCHER, U. 1979. DETAILED MAGNETIC MEASUREMENTS SOUTH OF THE ICELAND-FAROE RIDGE. DEUTSCHE HYDROGRAPHISCHE ZEITSCHRIFT 32(4): 154-172.

INTERPRETATION OF DETAILED MAGNETIC DATA COLLECTED ONBOARD FS KOMET SOUTHWEST OF THE ICELAND-FAEROE RIDGE SHOW PRESENCE OF ANOMALIES 13 TO 24 WITHOUT ANY MAJOR OFFSETS. PRESENCE OF AN ADDITIONAL ANOMALY 24 IN THIS REGION HAS BEEN SHOWN RESULTING FROM A JUMP OF THE RIDGE AXIS TO THE WEST. SIMILAR JUMP HAS ALSO BEEN SHOWN FOR THE ICELAND-FAEROE RIDGE. WE POSTULATE THAT MOST OF THE IFR WAS FORMED PRIOR TO ANOMALY 21 TIME.

2188

W.B. BARRIE AND ASSOCIATES, TAYLOR, R.B. 1985. COASTAL GEOMORPHOLOGY AND PROCESSES, NORTHWESTERN BATHURST ISLAND GROUP, NWT. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1146. 106 P. PLUS 2 MAPS.

A SET OF COASTAL GEOLOGY MAPS (1:125,000) SUMMARIZING THE PHYSICAL SHORELINE CHARACTERISTICS OF THE NORTHWESTERN BATHURST ISLAND GROUP WAS COMPLETED IN 1982, UNDER THE DIRECTION OF R.B. TAYLOR, A.G.C. THE MAPS WERE PREPARED FOR THE STRATEGIC STUDIES BRANCH OF TRANSPORT CANADA. THERE ARE TWO MAPS. MAP 1 COASTAL GEOMORPHOLOGY ILLUSTRATES THE MAIN COASTAL UNITS, A CODED SUMMARY OF THEIR PHYSICAL CHARACTERISTICS AND REPLICATE SHORE TYPES. MAP 2 - COASTAL PROCESSES AND BATHYMETRY.

2189

WADE, J.A. 1973. REGIONAL GEOLOGY OF THE MESOZOIC-CENOZOIC SEDIMENTS OFF NOVA SCOTIA AND NEWFOUNDLAND. GEOLOGICAL SURVEY OF CANADA PAPER 73-1B: 99.

SUMMARY OF FINDINGS TO DATE IN STUDY OF SEISMIC AND WELL DATA FROM OFFSHORE EASTERN CANADA.

2190

WADE, J.A. 1974. REGIONAL GEOLOGY OF THE MESOZOIC-CENOZOIC SEDIMENTS OFF NOVA SCOTIA AND NEWFOUNDLAND. GEOLOGICAL SURVEY OF CANADA PAPER 74-1B: 147-149.

OUTLINES AND DESCRIBES NEWLY DELINEATED TECTONIC ELEMENTS IN OFFSHORE EASTERN CANADA.

2191

WADE, J.A. 1977. STRATIGRAPHY OF GEORGES BANK BASIN: INTERPRETED FROM SEISMIC CORRELATION TO THE WESTERN SCOTIAN SHELF. CANADIAN JOURNAL OF EARTH SCIENCES 14(10): 2274-2283. (BIO CONTRIBUTION NO. 681)

DESCRIBES AND ILLUSTRATES THE STRATIGRAPHY AND FACIES OCCURRING BENEATH GEORGES BANK AND DELINEATES THE MAIN TECTONIC ELEMENTS. CORRECTS PREVIOUS STRATIGRAPHIC INTERPRETATION, PUBLISHED BY U.S.G.S., BY TYING TO SCOTIAN SHELF SEISMIC AND WELL DATA. SUMMARIZES THE RESULTS OF GEOLOGICAL INTERPRETATION OF GEORGES BANK DATA.

2192

WADE, J.A. 1978. THE GEOLOGICAL HISTORY OF THE NORTHEASTERN MARGIN OF NORTH AMERICA [ABSTRACT]. IN: ABSTRACTS OF THE PROCEEDINGS OF THE ANNUAL MEETING OF THE AMERICAN ASSOCIATION OF STRATIGRAPHIC PALYNOLOGISTS (9TH : 1976 : HALIFAX). PALYNOLOGY 2: 234.

2193

WADE, J.A. 1978. THE MESOZOIC-CENOZOIC HISTORY OF THE NORTHEASTERN MARGIN OF NORTH AMERICA. IN: PROCEEDINGS, OFFSHORE TECHNOLOGY CONFERENCE (10TH : 1978 : HOUSTON). [S.L.]: THE CONFERENCE. V.3: 1849-1858. (BIO CONTRIBUTION NO. 823)

REVIEWS THE GEOLOGIC HISTORY OF THE SCOTIAN BASIN AND COMPARES THIS WITH GEORGES BANK AND THE GRAND BANKS. VARIATIONS IN STRATIGRAPHY AND PRESENT DAY STRUCTURAL STYLES ARE ILLUSTRATED. SUMMARIZES THE PRESENT STATE OF KNOWLEDGE OF REGIONAL STRUCTURE AND STRATIGRAPHY OF THE ATLANTIC MARGIN OF CANADA. REVIEWS THE HYDROCARBON POTENTIAL OF THE THREE REGIONS DESCRIBED.

2194

WADE, J.A. 1981. GEOLOGY OF THE CANADIAN ATLANTIC MARGIN FROM GEORGES BANK TO THE GRAND BANKS. IN: GEOLOGY OF THE NORTH ATLANTIC BORDERLANDS, ED., J.W. KERR AND A.J. FERGUSSON. CALGARY: CANADIAN SOCIETY OF PETROLEUM GEOLOGISTS. P.447-460. (CANADIAN SOCIETY OF PETROLEUM GEOLOGISTS MEMOIR 7)

REVIEW PAPER ON THE GEOLOGICAL HISTORY OF THE ATLANTIC MARGIN OF EASTERN CANADA.

2195

WADE, J.A. 1981. HYDROCARBON MODEL FOR THE SCOTIAN SHELF [ABSTRACT]. AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS BULLETIN 65(9): 1672.

2196

WADE, J. 1983. HYDROCARBON APPRAISALS OF SEDIMENTARY BASINS. BIO REVIEW '83: 19.

2197

WADE, J.A., GRANT, A.C., SANFORD, B.V., BARSS, M.S. 1975. BASEMENT STRUCTURE,

EASTERN CANADA AND ADJACENT AREAS. IN: OFFSHORE GEOLOGY OF EASTERN CANADA: VOLUME 2 - REGIONAL GEOLOGY, ED., W.J.M. VAN DER LINDEN AND J.A. WADE. GEOLOGICAL SURVEY OF CANADA PAPER 74-30(2): MAP HOLDER 2, MAP 1400 A.

MAP SHOWS TECTONIC ELEMENTS AND TOPOGRAPHICAL CONFIGURATIONS OF BASEMENT ROCKS BENEATH EACH OF THE SEDIMENTARY BASINS OF EASTERN CANADA.

2198

WADE, J.A. (ED.), VAN DER LINDEN, W.J.M. (ED.) 1975. OFFSHORE GEOLOGY OF EASTERN CANADA, VOLUME 2- REGIONAL GEOLOGY. GEOLOGICAL SURVEY OF CANADA PAPER 74-30(2). 258P.

THIS VOLUME PRESENTS AN ACCOUNT OF THE GEOLOGY OF THE CONTINENTAL MARGIN OF EASTERN CANADA, WITH 14 PAPERS AUTHORED PRIMARILY BY THE STAFF OF THE ATLANTIC GEOSCIENCE CENTRE.

2199

WAGNER, F.J.E. 1975. MOLLUSCA OF THE STRAIT OF CANSO AREA. GEOLOGICAL SURVEY OF CANADA PAPER 75-23. 29P. (BIO CONTRIBUTION NO. 582)

2200

WAGNER, F.J.E. 1976. MOLLUSC DISTRIBUTIONS, MIRAMICHI ESTUARY, NEW BRUNSWICK. GEOLOGICAL SURVEY OF CANADA PAPER 76-1C: 45.

PRELIMINARY STUDY INDICATES MOLLUSC DISTRIBUTION IN THE MIRAMICHI RIVER AND ESTUARY TO BE SALINITY-DEPENDENT.

2201

WAGNER, F.J.E. 1977. MOLLUSC DISTRIBUTION, BAY OF FUNDY AREA, NEW BRUNSWICK AND NOVA SCOTIA. GEOLOGICAL SURVEY OF CANADA PAPER 77-1B: 97-98.

NINE MOLLUSCAN BIOTOPES HAVE BEEN DELINEATED IN ST. MARYS BAY AND BAY OF FUNDY, CONTROLLED APPARENTLY BY A COMBINATION OF BOTTOM SEDIMENT TYPE AND DEPTH. MID-WISCONSINAN MOLLUSCAN ASSEMBLAGES IN SOUTHWESTERN NOVA SCOTIA SHOW A MARKED AFFINITY WITH BIOTOPE 1 IN ST. MARYS BAY.

2202

WAGNER, F.J.E. 1977. MOLLUSC DISTRIBUTION, CHALEUR BAY, NEW BRUNSWICK-QUEBEC. GEOLOGICAL SURVEY OF CANADA PAPER 77-1C: 57-60.

FIVE MOLLUSCAN BIOTOPES ARE RECOGNIZED IN CHALEUR BAY AND THEIR RELATIONSHIP TO CERTAIN ENVIRONMENTAL FACTORS IS NOTED.

2203

WAGNER, F.J.E. 1977. PALAEOECOLOGY OF MARINE PLEISTOCENE MOLLUSCA, NOVA SCOTIA. CANADIAN JOURNAL OF EARTH SCIENCES 14(6): 1305-1323. (BIO CONTRIBUTION NO. 653)

2204

WAGNER, F.J.E. 1977. RECENT MOLLUSC DISTRIBUTION PATTERNS AND PALAEOBATHYMETRY, SOUTHEASTERN BEAUFORT SEA. CANADIAN JOURNAL OF EARTH SCIENCES 14(9):

2013-2028. (BIO CONTRIBUTION NO. 651)

THE TOTAL MOLLUSCAN FAUNA IS EVALUATED AND INDEX SPECIES ARE CHOSEN AS A STANDARD FOR PALAEOECOLOGICAL INTERPRETATION. SEA-LEVEL CHANGES ARE POSTULATED USING MOLLUSCS OBTAINED FROM THE CORES.

2205

WAGNER, F.J.E. 1979. DISTRIBUTION OF PELECYPODS AND GASTROPODS IN THE BAY OF FUNDY AND EASTERN GULF OF MAINE. PROCEEDINGS OF THE NOVA SCOTIAN INSTITUTE OF SCIENCE 29(4): 447-464. (BIO CONTRIBUTION 897)

MOLLUSCAN ASSEMBLAGES FROM THE BAY OF FUNDY AND EASTERN GULF OF MAINE ARE ANALYZED GIVING TEN BIOTOPES. THE BIOTOPES ARE RELATED TO WATER DEPTH AND TO SUBSTRATE.

2206

WAGNER, F.J.E. 1980. A FAUNAL INTERPRETATION OF TIDAL EVOLUTION IN MINAS BASIN, NOVA SCOTIA. GEOGRAPHIE PHYSIQUE ET QUATERNAIRE 34(2): 253-257.

INTERPRETATION OF THE EVOLUTION OF THE TIDAL CYCLE IN MINAS BASIN AND UPPER BAY OF FUNDY (SCOTS BAY) BASED ON MOLLUSCAN ASSEMBLAGES AGREES WELL WITH THAT DERIVED BY AMOS (1978) FROM SEDIMENTOLOGICAL EVIDENCE. PRIOR TO ABOUT 6300 YEARS B.P. QUIET WATER CONDITIONS, I.E. WITH MINIMAL OR NO TIDAL ACTIVITY, PREVAILED. FROM THAT TIME, TIDAL RANGE AND INTENSITY HAVE INCREASED TO THEIR PRESENT LEVELS.

2207

WAGNER, F.J.E. 1984. FOSSILS OF ONTARIO, PART 2. MACROINVERTEBRATES AND VERTEBRATES OF THE CHAMPLAIN SEA. TORONTO: ROYAL ONTARIO MUSEUM. 64P. (ROYAL ONTARIO MUSEUM LIFE SCIENCES MISCELLANEOUS PUBLICATIONS)

MACROINVERTEBRATE AND VERTEBRATE FOSSILS FOUND IN THE CHAMPLAIN SEA DEPOSITS IN ONTARIO ARE DESCRIBED AND ILLUSTRATED.

2208

WAGNER, F.J.E. 1984. ILLUSTRATED CATALOGUE OF THE MOLLUSCA (GASTROPODA AND BIVALVIA) IN THE ATLANTIC GEOSCIENCE CENTRE INDEX COLLECTION. OTTAWA: GEOLOGICAL SURVEY OF CANADA; MINISTER OF SUPPLY AND SERVICES CANADA. 76P. (AVAILABLE FROM: CANADIAN GOVERNMENT PUBLISHING CENTRE, OTTAWA, ONT. (CAT. NO. M40-43/1984E).

2209

WAGNER, F.J.E. 1984. REGIONAL DISTRIBUTION OF MARINE MOLLUSCA (GASTROPODS AND PELECYPODS) IN EASTERN CANADA. GEOLOGICAL SURVEY OF CANADA PAPER 84-1B: 367.

A MOLLUSCAN INDEX COLLECTION WAS SET UP AT AGC AND AN ILLUSTRATED CATALOGUE PRODUCED

2210

WAGNER, F.J.E., SCHAFFER, C.T. 1980. UPPER HOLOCENE PALEOCEANOGRAPHY OF INNER MIRAMICHI BAY. MARITIME SEDIMENTS 16(1/3): 5-10.

AN INTERPRETATION OF FAUNAL AND ENVIRONMENTAL CHANGES IN MIRAMICH INNER BAY SINCE 4500 YRS. B.P.

2211

WAHLGREN, R.V., LEWIS, C.F.M. 1977. ESTIMATION OF BULK DENSITY AND WATER CONTENT OF BEAUFORT SEA SEDIMENT CORES USING X-RADIOGRAPHS. GEOLOGICAL SURVEY OF CANADA PAPER 77-1A: 465-470.

2212

WALKER, D.A. 1975. AN IN SITU INVESTIGATION OF LIFE CYCLES OF BENTHONIC MIDLITTORAL FORAMINIFERA [ABSTRACT]. IN: ABSTRACTS, BENTHONICS '75. HALIFAX: DALHOUSIE UNIV., ETC. P.51.

2213

WALKER, D.A. 1976. AN IN SITU INVESTIGATION OF LIFE CYCLES OF BENTHONIC MIDLITTORAL FORAMINIFERA. IN: INTERNATIONAL SYMPOSIUM ON BENTHONIC FORAMINIFERA OF CONTINENTAL MARGINS (1ST : 1975 : HALIFAX), ED., C.T. SCHAFER AND B.R. PELLETIER. MARITIME SEDIMENTS SPECIAL PUBLICATION 1: 51-59. (BIO CONTRIBUTION NO. 614)

LIFE HISTORY INVESTIGATION OF TIDEPOL FORAMINIFERA SUGGESTS THAT ONLY THE SCHIZONIC GENERATIONS ARE FOUND IN THE INTERTIDAL ZONE.

2214

WALKER, D.A., BUCKLEY, D.E. 1969. SOME TECHNIQUES AND APPLICATIONS OF SCANNING ELECTRON MICROSCOPY IN THE FIELDS OF MARINE SCIENCE. MARITIME SEDIMENTS 5(3): 113-118.

2215

WALKER, D.A., LINTON, A.E., SCHAFER, C.T. 1974. SUDAN BLACK B: A SUPERIOR STAIN TO ROSE BENGAL FOR DISTINGUISHING LIVING FROM NON-LIVING FORAMINIFERA. JOURNAL OF FORAMINIFERAL RESEARCH 4(4): 205-215. (BIO CONTRIBUTION NO. 458)

2216

WALKER, D.A., PARSONS, A.D. 1975. AN EVALUATION OF SIX RESEARCH SCANNING ELECTRON MICROSCOPES. BEDFORD INSTITUTE OF OCEANOGRAPHY REPORT SERIES BI-R-75-10. 53P. + 16 PLATES.

AN EXTENSIVE EVALUATION OF RESEARCH SCANNING ELECTRON MICROSCOPES HAS SHOWN THAT, IN PREPARATION TO PURCHASING SUCH INSTRUMENTATION, ONE SHOULD BASE HIS DECISION ON A SUBSTANTIAL KNOWLEDGE OF SEM OPERATION AND TECHNOLOGY, A DEMONSTRATION OF THE USER'S SAMPLES, AND A CERTAIN DEGREE OF COMPROMISE.

2217

WALKER, D.A., PARSONS, A.D. 1975. METHODS TO EVALUATE SCANNING ELECTRON MICROSCOPES. BEDFORD INSTITUTE OF OCEANOGRAPHY REPORT SERIES BI-R-75-11. 15P.

2218

WALKER, D.A., VILKS, G. 1973. SPINAL ULTRASTRUCTURE OF THE PLANKTONIC FORAMINIFERS *HASTIGERINA THOMSON* AND *GLOBIGERINELLA CUSHMAN*. JOURNAL OF FORAMINIFERAL RESEARCH 3(4): 196-198. (BIO CONTRIBUTION NO. 382)

SCANNING ELECTRON MICROSCOPY HAS REVEALED THE PRESENCE OF SPINAL BARBS ALONG THE EDGES OF THE TRIRADIATE SPINES OF THE PLANKTONIC FORAMINIFER *HASTIGERINA PELAGICA* (D'ORBIGNY). THESE STRUCTURES WERE LACKING ON ALL *GLOBIGERINELLA AEQUILATERALIS* (BRADY) SPECIMENTS EXAMINED, SUGGESTING THAT THE GENUS *GLOBIGERINELLA CUSHMAN* IS VALID AND NOT A JUNIOR SYNONYM OF *HASTIGERINA THOMSON*.

2219

WANG, Y. 1983. THE MUDFLAT SYSTEM OF CHINA. IN: PROCEEDINGS OF THE SYMPOSIUM ON THE DYNAMICS OF TURBID COASTAL ENVIRONMENTS, ED., D.C. GORDON JR. AND A.S. HOURSTON. CANADIAN JOURNAL OF FISHERIES AND AQUATIC SCIENCES 40 (SUPPLEMENT 1): 160-171.

THE PAPER SHOWS THE ZONATION OF THE INTERTIDAL MUD FLAT, AND THE DYNAMIC PROCESSES OF NORTH CHINA MUD FLAT COAST ARE CONTROLLED MAINLY BY YELLOW RIVER.

2220

WANG, Y., PIPER, D.J.W. 1982. DYNAMIC GEOMORPHOLOGY OF THE DRUMLIN COAST OF SOUTHEAST CAPE BRETON ISLAND. MARITIME SEDIMENTS AND ATLANTIC GEOLOGY 18(1): 1-27.

2221

WANG, Y., PIPER, D. 1982. DYNAMIC GEOMORPHOLOGY OF THE DRUMLIN COAST OF SOUTHEAST CAPE BRETON ISLAND [ABSTRACT]. IN: JOINT OCEANOGRAPHIC ASSEMBLY (1982 : HALIFAX, N.S.), POSTER ABSTRACTS. HALIFAX: THE CONFERENCE. V.2: 30.

2222

WANG, Y., PIPER, D.J.W., VILKS, G. 1982. SURFACE TEXTURES OF TURBIDITE SAND GRAINS, LAURENTIAN FAN AND SOHM ABYSSAL PLAIN. SEDIMENTOLOGY 29(5): 727-736.

THIS PAPER APPLIES SURFACE SAND GRAIN TEXTURE INFORMATION TO INFER DETAILS OF THE MODE OF DEPOSITION OF DEEP SEA TURBIDITE SANDS. IT ALSO PROVIDES THE FIRST DETAILED DESCRIPTION OF THE CHARACTERISTIC SURFACE TEXTURES OF TURBIDITE SANDS.

2223

WANG, Y., VILKS, G., PIPER, D.J.W. 1983. THE SURFACE TEXTURE OF QUARTZ SAND GRAINS FROM THE CONTINENTAL SHELF ENVIRONMENT: EXAMPLES FROM CANADA AND CHINA. IN: PROCEEDINGS OF INTERNATIONAL SYMPOSIUM ON SEDIMENTATION ON THE CONTINENTAL SHELF, WITH SPECIAL REFERENCE TO THE EAST CHINA SEA (1983 : HANGZHOU, CHINA). BEIJING: CHINA OCEAN PRESS. P.920-931.

2224

WANLESS, R.K., POOLE, W.H., KING, L.H., FADER, G.B. 1981. FLEMISH CAP GRANDIORITE: AGE AND CORRELATION [ABSTRACT]. GEOLOGICAL SOCIETY OF AMERICA, ABSTRACTS WITH PROGRAMS 13(3): 183.

2225

WARREN, J.S. 1976. THE MORPHOLOGY OF TWO TRANSVERSE CHANNELS ON THE NORTHEAST NEWFOUNDLAND SHELF. MARITIME SEDIMENTS 12(1): 19-32.

A BATHYMETRIC MAP OF THE CONTINENTAL SHELF OFF NORTHEAST NEWFOUNDLAND HAS BEEN COMPILED. BATHYMETRY, AND SEISMIC REFLECTION DATA HAVE BEEN USED TO INTERPRET THE GEOMORPHOLOGICAL DEVELOPMENT OF THE AREA. THIS AREA IS ANOMALOUS COMPARED TO SHELVES ELSEWHERE OFF CANADA'S EAST COAST, BECAUSE IT IS HAS A GREATER WATER DEPTH, AND ALSO BECAUSE IT CONTAINS AREAS OF COMPLEX RELIEF ON THE OUTER SHELF.

2226

WATTS, A.B. 1972. GEOPHYSICAL INVESTIGATIONS EAST OF THE MAGDALEN ISLANDS, SOUTHERN GULF OF ST LAWRENCE. CANADIAN JOURNAL OF EARTH SCIENCES 9(11): 1504-1528. (BIO CONTRIBUTION NO. 322)

DETAILED GRAVITY AND MAGNETIC SURVEYS CONFIRM SEISMIC REFRACTION EVIDENCE OF A DEEP (8-10 KM) CARBONIFEROUS INFILLED SEDIMENTARY BASIN (THE MAGDALEN BASIN) BETWEEN THE MAGDALEN ISLANDS AND NEWFOUNDLAND. THE WESTERN MAGDALEN BASIN MAY REPRESENT ONE OF THE LARGEST AREAS OF SALT ACCUMULATION IN EASTERN CANADA.

2227

WATTS, A.B. 1974. A GRAVITY SURVEY OF THE CONTINENTAL SHELF SOUTH OF CAPE SABLE, NOVA SCOTIA. CANADIAN JOURNAL OF EARTH SCIENCES 11(7): 1329-1334. (BIO CONTRIBUTION NO. 423)

2228

WATTS, A.B., HAWORTH, R.T. 1974. GEOLOGICAL INTERPRETATION OF BOUGUER ANOMALY AND MAGNETIC ANOMALY MAPS EAST OF THE MAGDALEN ISLANDS, SOUTHERN GULF OF ST. LAWRENCE. GEOLOGICAL SURVEY OF CANADA PAPER 74-55. 9P. + 2 MAPS. (MARINE SCIENCES PAPER 10) (BIO CONTRIBUTION NO. 424)

2229

WATTS, A.B., HAWORTH, R.T. 1974. GEOPHYSICAL SURVEY OF THE GULF OF MAINE AND ADJACENT AREAS: HUDSON 71-014. GEOLOGICAL SURVEY OF CANADA OPEN FILE 218.

2230

WATTS, A.B., HAWORTH, R.T. 1974. GEOPHYSICAL SURVEY OF THE GULF OF MAINE AND ADJACENT AREAS: HUDSON 71-014 CRUISE. BEDFORD INSTITUTE OF OCEANOGRAPHY DATA SERIES BI-D-74-2. 18P. + [241]P. OF APPENDICES.

PROFILES AND TABLES OF THE GRAVITY, MAGNETIC AND BATHYMETRIC DATA COLLECTED ARE PRESENTED TOGETHER WITH A GRAVITY MAP.

2231

WEBER, J.R., JACKSON, H.R. 1985. CESAR BATHYMETRY. IN: INITIAL GEOLOGICAL REPORT ON CESAR - THE CANADIAN EXPEDITION TO STUDY THE ALPHA RIDGE, ARCTIC OCEAN, ED., H.R. JACKSON, P.J. MUDIE, AND S.M. BLASCO. GEOLOGICAL SURVEY OF CANADA PAPER 84-22: 15-17.

2232

WEDLER, E., TAYLOR, R.B. 1984. X- AND C-BAND SAR IMAGE RESPONSE OVER MALPEQUE BARRIER SYSTEM, PRINCE EDWARD ISLAND, CANADA. IN: TECHNICAL PAPERS OF ANNUAL MEETING OF THE AMERICAN SOCIETY OF PHOTOGRAMMETRY (50TH : 1984 : WASHINGTON, DC). FALLS CHURCH, VA.: THE SOCIETY. P.21-32.

X- & C- BAND SYNTHETIC APERTURE AIRBOURNE RADAR IMAGERY WAS ACQUIRED ON SEPT. 2/81 OVER MALPEQUE BAY PEI. ITS USEFULNESS IN INTERPRETING COASTAL FEATURES SUCH AS PRESENT & FORMER INLETS, TIDAL DELTAS, NEARSHORE BARS, BEACH AND DUNE RIDGES BLOWOUTS, RIDGE AND RUNNEL FEATURES & STEEP FOREDUNE SLOPES, IS ASSESSED. TIDAL DELTAS & FOREDUNE SLOPES ARE BETTER ON C-HH IMAGERY RATHER THAN X-HH IMAGERY.

2233

WELLS, I. 1977. MAGRAV USERS GUIDE; A COMPUTER PROGRAM TO CREATE TWO-DIMENSIONAL GRAVITY AND/OR MAGNETIC MODELS. GEOLOGICAL SURVEY OF CANADA OPEN FILE 597. 89P.

RELEASE OF A COMPUTER PROGRAM TO CREATE TWO-DIMENSIONAL GRAVITY AND/OR MAGNETIC MODELS.

2234

WHITMAN, BENN & ASSOCIATES 1983. BEDFORD INSTITUTE OF OCEANOGRAPHY TOWING WINCH INVESTIGATION. GEOLOGICAL SURVEY OF CANADA OPEN FILE 933. 35P. + APPENDICES.

2235

WHITMARSH, R.B., LILWALL, R.C., DONEGAN, M.J., KEEN, C.E., LONCAREVIC, B.D., STEINMETZ, L. 1981. PROGRESS REPORT ON LADLE [ABSTRACT]. GEOPHYSICAL JOURNAL 65(1): 263.

2236

WILLAR, T., BUCKLEY, D., FITZGERALD, R., ET AL 1987. PRELIMINARY REPORT ON PALEO-CHEMISTRY OF BENTHIC FORAMINIFERAL TESTS FROM FOUR GEOGRAPHICAL AREAS; ARCTIC, LABRADOR SLOPE, SCOTTIAN RISE, AND BERMUDA RISE. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1568. 11 P.

A SERIES OF EXPERIMENTS WERE DESIGNED TO MEASURE CD IN THE CALCITE TESTS OF FORAMINIFERA, IN ORDER TO DISCERN VARIATIONS WHICH MIGHT REFLECT GLACIAL- INTERGLACIAL OCEANOGRAPHIC CONDITIONS, OR PALEO-NUTRIENT CONDITIONS. THE RESULTS INDICATE THAT CHEMICAL ANALYTICAL METHODS ARE SUFFICIENTLY SENSITIVE BUT IMPROVED PRECISION IS REQUIRED

2237

WILLEY, J.D. 1976. REACTIONS WHICH REMOVE TRACE METALS FROM SEAWATER:

PRELIMINARY OBSERVATIONS. GEOLOGICAL SURVEY OF CANADA PAPER 76-1C: 71.

2238

WILLEY, J.D. 1976. SEASONAL VARIATIONS IN THE OCEANOGRAPHY AND SEDIMENT GEOCHEMISTRY IN THE MIRAMICHI ESTUARY, NEW BRUNSWICK: A PRELIMINARY REPORT. GEOLOGICAL SURVEY OF CANADA PAPER 76-1C: 47-50.

2239

WILLEY, J.D. 1977. COPRECIPITATION OF ZINC WITH SILICA IN SEAWATER AND IN DISTILLED WATER. MARINE CHEMISTRY 5(3): 267-290. (BIO CONTRIBUTION NO. 640)

2240

WILLEY, J.D., FITZGERALD, R.A. 1980. TRACE METAL GEOCHEMISTRY IN SEDIMENTS FROM THE MIRAMICHI ESTUARY, NEW BRUNSWICK. CANADIAN JOURNAL OF EARTH SCIENCES 17(2): 254-265. (BIO CONTRIBUTION NO. 903)

2241

WILLIAMS, C., PORTEOUS, D.M., SHIH, K.G. 1972. GRAVITY AND MAGNETIC DATA COLLECTED ON THE NORTH ATLANTIC OCEAN; CSS HUDSON 1965. BEDFORD INSTITUTE OF OCEANOGRAPHY DATA SERIES B1-D-72-9. 387P.

2242

WILLIAMS, G.L. 1974. BIOSTRATIGRAPHY AND PALEOECOLOGY OF THE MESOZOIC AND CENOZOIC ROCKS OF THE ATLANTIC SHELF. GEOLOGICAL SURVEY OF CANADA PAPER 74-1B: 150-152.

TWENTY PALYNOFORM ZONES PERMIT SUBDIVISION OF THE MIDDLE JURASSIC TO PLEISTOCENE SEDIMENTS IN THE EAST COAST OFFSHORE WELLS. THE ZONES CAN BE CORRELATED WITH THE FORMATIONS PROPOSED BY MCIVER (1972).

2243

WILLIAMS, G.L. 1975. DINOFLAGELLATE AND SPORE STRATIGRAPHY OF THE MESOZOIC-CENOZOIC, OFFSHORE EASTERN CANADA. IN: OFFSHORE GEOLOGY OF EASTERN CANADA: VOLUME 2 - REGIONAL GEOLOGY, ED., W.J.M. VAN DER LINDEN AND J.A. WADE. GEOLOGICAL SURVEY OF CANADA PAPER 74-30(2): 107-161. (BIO CONTRIBUTION NO. 565)

TWENTY-SIX FORMAL DINOFLAGELLATE ZONES ARE ERECTED FOR THE MIDDLE JURASSIC TO PLEISTOCENE ROCKS OF OFFSHORE EASTERN CANADA. THE NONMARINE TO INNER NERITIC ENVIRONMENT IN THE JURASSIC AND EARLY CRETACEOUS GAVE WAY TO OUTER NERITIC OR DEEPER WATER DEPOSITION IN THE LATE CRETACEOUS AND EARLY TERTIARY.

2244

WILLIAMS, G.L. 1976. BOOK REVIEW OF FOSSIL AND LIVING DINOFLAGELLATES, BY W.A.S. SARGEANT. GEOSCIENCE CANADA 3(2): 139-140.

THE BOOK "FOSSIL AND LIVING DINOFLAGELLATES" BY W.A.S. SARGEANT IS REVIEWED AND THE STYLE AND LUCIDITY APPRAISED.

2245

WILLIAMS, G.L. 1976. COMPARISON OF LATE JURASSIC-EARLY CRETACEOUS SCOTIAN SHELF PALYNOMORPHS WITH COEVAL EUROPEAN ASSEMBLAGES [ABSTRACT]. IN: AMERICAN ASSOCIATION OF STRATIGRAPHIC PALYNOLOGISTS, PROCEEDINGS OF THE ANNUAL MEETING (7TH : 1974 : CALGARY, ALTA). BATON ROUGE, LA: LOUISIANA STATE UNIVERSITY, SCHOOL OF GEOSCIENCE. P.147. (GEOSCIENCE AND MAN 15)

2246

WILLIAMS, G.L. 1977. DINOCYSTS; THEIR CLASSIFICATION, BIOSTRATIGRAPHY AND PALAEOECOLOGY. IN: OCEANIC MICROPALAEONTOLOGY, ED., A.T.S. RAMSAY. LONDON: ACADEMIC PRESS. V.2, 1231-1325. (BIO CONTRIBUTION NO. 780)

THIRTY DINOCYST CONCURRENT RANGE ZONES AND TWELVE SUBZONES, NAMED FOR INDEX SPECIES, DELINEATE THE LATE TRIASSIC, JURASSIC, CRETACEOUS, AND TERTIARY. THE DISTINCTIVE SUITE OF SPECIES FOR EACH ZONE OR SUBZONE IS PRESENTED. SEVEN MAJOR DINOCYST LINEAGES BASED ON MORPHOLOGICAL CHARACTERISTICS CAN BE RECOGNIZED. FOSSIL DINOCYSTS ARE VIABLE PALEOECOLOGICAL INDICATORS, BEING SENSITIVE TO SUCH PARAMETERS AS TEMPERATURE, WATER DEPTH, SALINITY, OCEAN CURRENT PATTERNS, AND SHORELINE PROXIMITY.

2247

WILLIAMS, G.L. 1978. DINOFLAGELLATES, ACROTARCHS AND TASMANITIDS. IN: INTRODUCTION TO MARINE MICROPALAEONTOLOGY, ED., B.U. HAQ AND A. BOERSMA. NEW YORK: ELSEVIER. P.293-326. (BIO CONTRIBUTION NO. 824)

AN INTRODUCTORY COVERAGE OF DINOFLAGELLATES, ACROTARCHS AND TASMANITIDS. THE MODERN THEORIES OF MORPHOLOGY AND CLASSIFICATION SIMPLIFY AND ENHANCE THE BIOSTRATIGRAPHIC AND PALEOECOLOGIC APPLICATION OF THESE FOSSILS. A GLOSSARY FACILITATES THE UNDERSTANDING OF THE DESCRIPTIVE TERMS.

2248

WILLIAMS, G.L. 1978. PALYNOLOGICAL BIOSTRATIGRAPHY, DEEP SEA DRILLING PROJECT SITES 367 AND 370. IN: INITIAL REPORTS OF THE DEEP SEA DRILLING PROJECT, SUPPLEMENT TO VOLUMES 38, 39, 40 AND 41, Y. LANCELOT, E. SEIBOLD, ET AL. WASHINGTON: U.S. GOVERNMENT PRINTING OFFICE. P.783-815. (BIO CONTRIBUTION NO. 831)

THE SCOTIAN SHELF-GRAND BANKS PALYNOLOGICAL ZONATION FOR THE MESOZOIC-CENOZOIC IS APPLICABLE TO DSDP SITES 367 AND 370 IN THE EASTERN ATLANTIC. THE PLOTTING OF REWORKED ASSEMBLAGES FACILITATES AN UNDERSTANDING OF THE GEOLOGICAL HISTORY. FOUR NEW SPECIES ARE DESCRIBED.

2249

WILLIAMS, G.L. 1983. EAST COAST DRILLING AND WELLSYS. BIO REVIEW '83: 36-38.

2250

WILLIAMS, G.L. 1983. PYROCLASTS. GEOSCIENCE CANADA 10(2): 103-105.

2251

WILLIAMS, G.L. 1983. PYROCLASTS. GEOSCIENCE CANADA 10(3): 135.

2252

WILLIAMS, G.L. 1986. THE DEEP SEA DRILLING PROJECT: A DECADE OF PROGRESS, EDITED BY J.E. WARME, R.G. DOUGLAS AND E.L. WINTERER [BOOK REVIEW]. BULLETIN OF CANADIAN PETROLEUM GEOLOGY 34(2): 299-301.

THE THREE SECTIONS OF THIS VOLUME OUTLINE GEOLOGICAL ADVANCES RESULTING FROM THE FIRST TEN YEARS OF THE DSDP PROGRAMME.

2253

WILLIAMS, G.L., BRIDEAUX, W.W. 1972. PALYNOLOGICAL ANALYSIS OF CORED SEDIMENTS FROM THE GRAND BANKS, NEWFOUNDLAND [ABSTRACT]. IN: AMERICAN ASSOCIATION OF STRATIGRAPHIC PALYNOLOGISTS, PROCEEDINGS OF THE ANNUAL MEETING (3RD : 1970 : TORONTO, ONT). BATON ROUGE, LA: LOUISIANA STATE UNIVERSITY, SCHOOL OF GEOSCIENCE. P.136. (GEOSCIENCE AND MAN 4)

2254

WILLIAMS, G.L., BRIDEAUX, W.W. 1975. PALYNOLOGIC ANALYSES OF UPPER MESOZOIC AND CENOZOIC ROCKS OF THE GRAND BANKS, ATLANTIC CONTINENTAL MARGIN. GEOLOGICAL SURVEY OF CANADA BULLETIN 236. 162P.

SIXTEEN DINOFLAGELLATE DIVISIONS AND 18 SPORE AND POLLEN DIVISIONS CAN BE RECOGNIZED IN THE UPPER CRETACEOUS-TERTIARY SEDIMENTS ENCOUNTERED IN EIGHT CORE HOLES ON THE GRAND BANKS. THE GEOLOGICAL HISTORY INDICATES A PERIOD OF NONMARINE DEPOSITION IN THE ALBIAN FOLLOWED BY AN EXTENSIVE MARINE TRANSGRESSION IN THE CENOMANIAN. THROUGHOUT MOST OF THE LATE CRETACEOUS AND TERTIARY THE ENVIRONMENT OF DEPOSITION WAS OPEN MARINE, GENERALLY DEEP WATER WITH OCCASIONAL EPISODES OF SHALLOWING.

2255

WILLIAMS, G.L., BUJAK, J.P. 1977. CENOZOIC PALYNOSTRATIGRAPHY OF OFFSHORE EASTERN CANADA. IN: CONTRIBUTIONS OF STRATIGRAPHIC PALYNOLOGY. V.1, CENOZOIC PALYNOLOGY, ED., W.C. ELSIK. AMERICAN ASSOCIATION OF STRATIGRAPHIC PALYNOLOGISTS CONTRIBUTION SERIES 5A: 14-47. (BIO CONTRIBUTION NO. 816)

TWELVE PALYNOFORM ASSEMBLAGE ZONES PERMIT DATING AND CORRELATION OF THE CENOZOIC IN THE SCOTIAN SHELF, GRAND BANKS AND LABRADOR SHELF WELLS.

2256

WILLIAMS, G.L., BUJAK, J.P. 1977. DINO CYST DIVERSITY IN TIME [ABSTRACT]. AMERICAN ASSOCIATION OF STRATIGRAPHIC PALYNOLOGISTS, ANNUAL MEETING, ABSTRACTS OF PAPERS 10: 31.

DINO CYST GENERA AND SPECIES DIVERSITIES SHOW MARKED FLUCTUATIONS IN THE MESOZOIC AND CENOZOIC.

2257

WILLIAMS, G.L., BUJAK, J.P. 1977. DISTRIBUTION PATTERNS OF SOME NORTH ATLANTIC CENOZOIC DINOFLAGELLATE CYSTS. MARINE MICROPALAEONTOLOGY 2(3): 223-233.

THE LATERAL DISTRIBUTION OF DINOFLAGELLATE CYST SPECIES: (1) IN SCOTIAN

SHELF-GRAND BANKS WELLS; (2) IN THE NORTH ATLANTIC; AND (3) WORLDWIDE, SHOW PATTERNS INTERPRETED AS REFLECTING PALEOENVIRONMENTAL AND PALEOGEOGRAPHIC PARAMETERS. LATERAL VARIATIONS IN THE STRATIGRAPHIC RANGES OF SPECIES ALSO SHOW FLUCTUATIONS, EMPHASIZING THE IMPORTANCE OF DEFINING ASSEMBLAGE ZONES IN BIO STRATIGRAPHY.

2258

WILLIAMS, G.L., BUJAK, J.P. 1978. NORTH ATLANTIC CENOZOIC DINOFLAGELLATES [ABSTRACT]. PALYNOLOGY 2: 236-237.

FLUCTUATIONS IN THE LATERAL AND VERTICAL DISTRIBUTION OF CENOZOIC DINOFLAGELLATES.

2259

WILLIAMS, G.L., BUJAK, J.P. 1980. PALYNOLOGICAL STRATIGRAPHY OF DEEP SEA DRILLING PROJECT SITE 416. IN: INITIAL REPORTS OF THE DEEP SEA DRILLING PROJECT, Y. LANCELOT, E.L. WINTEREV, ET AL. WASHINGTON: U.S. GOVERNMENT PRINTING OFFICE. V.50: 467-495. (BIO CONTRIBUTION NO. 1011)

A LOWER CRETACEOUS SECTION FROM DSDP SITE 416A, OFFSHORE NORTH WEST AFRICA, IS ZONED AND DATED USING DINOFLAGELLATES, SPORES AND POLLEN.

2260

WILLIAMS, G.L., DAVIES, E.H. 1982. CRETACEOUS DINOFLAGELLATES AND PROVINCIALISM [ABSTRACT]. IN: NORTH AMERICAN PALEONTOLOGICAL CONVENTION (3RD : 1982 : MONTREAL, QUE.), ABSTRACTS. JOURNAL OF PALEONTOLOGY 56(2-SUPPLEMENT): 30.

PREDICTIVE MODELS SHOW DISTINCTIVE PROVINCIALISM IN CRETACEOUS ASSEMBLAGES OF DINOFLAGELLATES.

2261

WILLIAMS, G.L., DOWNIE, C. 1966. FURTHER DINOFLAGELLATE CYSTS FROM THE LONDON CLAY. BULLETIN OF THE BRITISH MUSEUM (NATURAL HISTORY), GEOLOGY SUPP 3: 215-235.

LONG EXISTING TAXA REDEFINED ACCORDING TO MODERN THEORIES OF INTERPRETATION OF THE MORPHOLOGY.

2262

WILLIAMS, G.L., DOWNIE, C. 1966. THE GENUS HYSTRICHOKOLPOMA. BULLETIN OF THE BRITISH MUSEUM (NATURAL HISTORY), GEOLOGY SUPP 3: 176- 181.

THE FIRST INTERPRETATION OF THE DINOFLAGELLATE TABULATION OF THIS GENUS AS DETERMINED FROM THE PROCESS DISTRIBUTION.

2263

WILLIAMS, G.L., DOWNIE, C. 1966. WETZELIELLA FROM THE LONDON CLAY. BULLETIN OF THE BRITISH MUSEUM (NATURAL HISTORY), GEOLOGY SUPP 3: 182-198.

THE TABULATION OF WETZELIELLA IS SHOWN TO BE PERIDINIACEAN.

2264

WILLIAMS, G.L. (ED.), FYFFE, L.R. (ED.), WARDLE, R.J. (ED.), COLMAN-SADD, S.P. (ED.), BOEHNER, R.C. (ED.) 1985. LEXICON OF CANADIAN STRATIGRAPHY, VOLUME VI: ATLANTIC REGION. CALGARY, ALTA.: CANADIAN SOCIETY OF PETROLEUM GEOLOGISTS. 572P.

THE LEXICON DEFINES AND DELINEATES THE LITHOSTRATIGRAPHIC UNITS OF NEW BRUNSWICK, NEWFOUNDLAND AND LABRADOR, NOVA SCOTIA, PRINCE EDWARD ISLAND AND OFFSHORE EASTERN CANADA

2265

WILLIAMS, G.L., GRADSTEIN, F.M. 1982. STRATIGRAPHIC CHARTS OF THE LABRADOR AND NEWFOUNDLAND SHELVES. GEOLOGICAL SURVEY OF CANADA OPEN FILE 826. 12P.

2266

WILLIAMS, G.L., JANSKA, L.F., CLARK, D.F., ASCOLI, P. 1974. STRATIGRAPHY OF THE SHELL NASKAPI N-30 WELL, SCOTIAN SHELF, EASTERN CANADA. GEOLOGICAL SURVEY OF CANADA PAPER 74-50. 12P. + 1 CHART. (BIO CONTRIBUTION NO. 439)

THE BIOSTRATIGRAPHIC AND LITHOSTRATIGRAPHIC STUDIES ON THE SUBJECT WELL ARE COLLATED AND COORDINATED. FOSSIL GROUPS STUDIED INCLUDE FORAMINIFERS, OSTRACODS, DINOFLAGELLATES, SPORES AND NANNOFOSSILS.

2267

WILLIAMS, G.L., SARJEANT, W.A.S., KIDSON, E.J. 1978. A GLOSSARY OF THE TERMINOLOGY APPLIED TO DINOFLAGELLATE AMPHIESMAE AND CYSTS AND ACRITARCHS: 1978 EDITION. AMERICAN ASSOCIATION OF STRATIGRAPHIC PALYNOLOGISTS CONTRIBUTION SERIES 2A. 121P. (BIO CONTRIBUTION NO. 825)

THE ORIGINAL AND SUBSEQUENT DEFINITIONS, WHERE APPROPRIATE, ARE GIVEN FOR 809 TERMS. ALL ARE ILLUSTRATED AND A FURTHER 137 TERMS LISTED AS SYNONYMS.

2269

WILLIAMS, H., KEEN, C. 1986. CONTINENT-OCEANS TRANSECTS D1-4: DEEP STRUCTURE OF THE NORTHEAST EXTREMITY OF THE APPALACHIAN OROGEN. [ABSTRACT]. GEOLOGICAL SOCIETY OF AMERICA, ABSTRACTS WITH PROGRAMS 18(6): 789.

THE DEEP MARINE SEISMIC DATA IS USED TO REDEFINE LARGE SCALE TECTONICS OF THE NEWFOUNDLAND APPALACHIANS

2270

WILLIAMSON, M.A. 1984. BENTHIC FORAMINIFERAL ASSEMBLAGES ON THE CONTINENTAL MARGIN OFF NOVA SCOTIA: THEIR RESPONSE TO OCEANOGRAPHY [ABSTRACT]. IN: ATLANTIC GEOSCIENCE SOCIETY COLLOQUIUM ON CURRENT RESEARCH IN THE ATLANTIC PROVINCES (1984 : AMHERST, N.S.), ABSTRACTS. [S.L.]: THE COLLOQUIUM. P.102-103. (MARITIME SEDIMENTS AND ATLANTIC GEOLOGY 20(2))

Q-MODE FACTOR ANALYSIS OF FORAMINIFERAL ABUNDANCE DATA FROM THE CONTINENTAL MARGIN OFF NOVA SCOTIA ALLOW THE DETERMINATION OF SEVERAL DISTINCT ASSEMBLAGES. STATISTICAL RELATIONSHIPS OF THESE ASSEMBLAGES TO

ASPECTS OF THE MARINE ENVIRONMENT WERE INVESTIGATED THROUGH MULTIPLE REGRESSION ANALYSIS THESE INDICATE THAT THE PRESENT DISTRIBUTIONS ARE IN RESPONSE TO PREVAILING HYDROGRAPHY

2271

WILLIAMSON, M.A. 1985. RECENT FORAMINIFERAL DIVERSITY ON THE CONTINENTAL MARGIN OFF NOVA SCOTIA, CANADA. JOURNAL OF FORAMINIFERAL RESEARCH 15(1): 43-51.

TRENDS IN FORAMINIFERAL DIVERSITY ON THE SHELF OFF NOVA SCOTIA ARE CORRELATED TO VARIOUS ASPECTS OF THE MARINE ENVIRONMENT, INCLUDING WATERMASS TYPE AND PHYSICAL NATURE OF THE SUBSTRATE. WARM, SALINE WATERS OF THE CENTRAL BASINS (LAHAVE, EMERALD) SUPPORT A HIGHLY DIVERSE AND EQUITABLE POPULATION, WHEN COMPARED TO THE LOWER DIVERSITY OF THE AREA TO THE NORTHEAST (WHICH UNDERLIES COLDER LESS SALINE WATERS OF LABRADOR CURRENT ORIGIN).

2272

WILLIAMSON, M.A. 1987. A QUANTITATIVE FORAMINIFERAL BIOZONATION OF THE LATE JURASSIC AND EARLY CRETACEOUS OF THE EAST NEWFOUNDLAND BASIN. MICROPALAEONTOLOGY 33(1): 37-65.

APPLICATION OF THE QUANTITATIVE BIOSTRATIGRAPHY PROGRAM RASC TO FORAMINIFERAL EVENT DATA OF HIBERNIA ENABLED THE RECOGNITION OF ELEVEN BIOZONES OF KIMMERIDGIAN TO CENOMANIAN AGE. CORRELATION OF THESE ZONES WAS FACILITATED THROUGH USE OF THE OBJECTIVE RASC PROGRAM WHICH INDICATES THE STATISTICAL ERROR ASSOCIATED WITH EACH TIE LINE. THE SUBSIDENCE HISTORY (OBSERVED & TECTONIC) OF SOME OF THE WELLS IS DISCUSSED IN TERMS OF THE EARLY HISTORY OF THE ATLANTIC OCEAN.

2273

WILLIAMSON, M.A., KEEN, C.E., MUDIE, P.J. 1984. FORAMINIFERAL DISTRIBUTION ON THE CONTINENTAL MARGIN OFF NOVA SCOTIA. MARINE MICROPALAEONTOLOGY 9(3): 219-239.

2274

WILSON, E., PIPER, D.J.W. 1986. SEISMIC STRATIGRAPHY OF THE LAURENTIAN FAN. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1231. IV.

SEISMIC REFLECTION PROFILES FROM SEVEN CRUISES TO THE LAURENTIAN FAN AND ADJACENT CONTINENTAL SLOPE HAVE BEEN INTERPRETED AND CORRELATED. KEY REFLECTORS HAVE BEEN IDENTIFIED IN EACH SURVEY AREA AND HAVE BEEN TENTATIVELY DATED BY CORRELATION WITH THE DAUNTLESS D-35 WELL.

2275

WINDER, C.G., SANFORD, B.V. 1972. STRATIGRAPHY AND PALEONTOLOGY OF THE PALEOZOIC ROCKS OF SOUTHERN ONTARIO. INTERNATIONAL GEOLOGICAL CONGRESS (24TH : 1972 : MONTREAL) GUIDEBOOK FIELD EXCURSION A45-C45. 74P. (BIO CONTRIBUTION NO. 357)

OUTLINE OF PALEOZOIC GEOLOGY OF SOUTHERN ONTARIO. CONTAINS 16 FIGURES.

2276

WINTERS, G.V. 1981. ENVIRONMENTAL GEOLOGY OF THE MIRAMICHI ESTUARY: SUSPENDED SEDIMENT TRANSPORT. GEOLOGICAL SURVEY OF CANADA PAPER 81-16. 12P. ...

SUSPENDED SEDIMENT DYNAMICS WERE OBSERVED AND MODELLED FOR THE ESTIMATION OF THE ANNUAL TRANSPORT FROM THE MIRAMICHI INNER ESTUARY.

2277

WINTERS, G.V. 1983. MODELLING SUSPENDED SEDIMENT DYNAMICS OF THE MIRAMICHI ESTUARY, NEW BRUNSWICK, CANADA. CANADIAN JOURNAL OF FISHERIES AND AQUATIC SCIENCES 40(SUPPL.1): 105-116.

SUSPENDED SEDIMENT TRANSPORT IN A VARIABLE SALT WEDGE ESTUARY HAS BEEN STUDIED USING A POLYNOMIAL MODEL TO ESTIMATE THE ANNUAL NET TRANSPORT.

2278

WINTERS, G.V., BUCKLEY, D.E. 1978. IN SITU DETERMINATION OF TOTAL PARTICULATE AND DISSOLVED ORGANIC MATTER [ABSTRACT]. IN: THE STATE OF THE ART IN ANALYTICAL CHEMISTRY AND APPLIED SPECTROSCOPY; ABSTRACTS, PITTSBURGH CONFERENCE ON ANALYTICAL CHEMISTRY AND APPLIED SPECTROSCOPY (29TH : 1978 : CLEVELAND, OH). [PITTSBURGH?: THE CONFERENCE]. P.578.

AN OPTICAL TECHNIQUE HAS BEEN DEVELOPED FOR IN SITU DETERMINATION OF ESTUARINE TOTAL PARTICULATE AND DISSOLVED ORGANIC MATTER CONCENTRATIONS IN THE WATER COLUMN.

2279

WINTERS, G.V., BUCKLEY, D.E. 1978. IN SITU MONITORING DATA ON THE WATER COLUMN IN THE MIRAMICHI ESTUARY, NEW BRUNSWICK. BEDFORD INSTITUTE OF OCEANOGRAPHY DATA SERIES BI-D-78-9. 131P.

SEASONAL DATA OBTAINED BY IN SITU MONITORING OF THE WATER COLUMN IN THE MIRAMICHI ESTUARY ARE PRESENTED. THESE DATA INCLUDE TOTAL SALINITY, TEMPERATURE, DISSOLVED OXYGEN, CURRENT SPEED AND DIRECTION, TIDE HEIGHT AND VISIBLE LIGHT OPTICAL BEAM DETERMINED DISSOLVED ORGANIC MATTER AND SUSPENDED PARTICULATE MATTER.

2280

WINTERS, G.V., BUCKLEY, D.E. 1980. IN SITU DETERMINATION OF SUSPENDED PARTICULATE MATTER AND DISSOLVED ORGANIC MATTER CONCENTRATIONS IN AN ESTUARINE ENVIRONMENT BY MEANS OF AN OPTICAL BEAM ATTENUANCE METER. ESTUARINE AND COASTAL MARINE SCIENCE 10(4): 455-466. (BIO CONTRIBUTION NO. 914)

AN OPTICAL BEAM ATTENUANCE TECHNIQUE HAS BEEN DEVELOPED FOR THE IN SITU DETERMINATION OF ESTUARINE TOTAL PARTICULATE MATTER AND DISSOLVED ORGANIC MATTER CONCENTRATIONS IN THE WATER COLUMN.

2281

WINTERS, G.V., BUCKLEY, D.E. 1986. THE INFLUENCE OF DISSOLVED $\text{FeSi}_3\text{O}_3(\text{OH})_8$ ON CHEMICAL EQUILIBRIA IN PORE WATERS FROM DEEP SEA SEDIMENTS. GEOCHIMICA ET

COSMOCHIMICA ACTA 50(2): 277-288.

DISSOLVED FE IN PORE WATERS IN MARINE SEDIMENTS IS IN EXCESS OF 100 UM; SEVERAL ORDERS OF MAGNITUDE GREATER THAN SEAWATER AND 2 TO 4 ORDERS OF MAGNITUDE GREATER THAN PREDICTED BY CONVENTIONAL PHASE EQUILIBRIUM. IT IS POSTULATED THAT HIGHER DISSOLVED FE IS MAINTAINED BY A METASTABLE FE SI₃O₃(OH)₈ COMPLEX AND IN REDUCED SEDIMENTS THIS COMPLEX IS IN EQUILIBRIUM WITH SOLID FE SI O₃

2282

WINTERS, G.V., BUCKLEY, D.E., CRANSTON, R.E. 1975. A METHOD OF EVALUATING LABILE TRACE METAL CONCENTRATIONS IN NATURAL WATERS. BEDFORD INSTITUTE OF OCEANOGRAPHY REPORT SERIES BI-R-75-19. 19P.

A METHOD OF EVALUATING LABILE AND TOTAL TRACE METAL CONCENTRATIONS IN NATURAL WATERS.

2283

WINTERS, G.V., BUCKLEY, D.E., CRANSTON, R.E., FITZGERALD, R.A., STOFFYN, M. 1984. GEOLOGICAL AND GEOCHEMICAL DATA FOR SEDIMENT AND PORE WATER SAMPLES FROM THE NORTHEASTERN PACIFIC OCEAN, OFF THE COAST OF CAPE MENDOCINO, CALIFORNIA. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1034. 33P.

THIS REPORT CONSISTS OF DATA THAT WERE COMPILED FROM SEDIMENT AND PORE WATER ANALYSES OF CORES COLLECTED FROM ABYSSAL DEPTHS OFF CAPE MENDOCINO. ANALYSES OF SEDIMENT SAMPLES INCLUDE COLOR, GRAIN SIZE, WATER CONTENT, ORGANIC CARBON, TOTAL CARBON, TOTAL MAJOR AND TRACE METALS, AND WEAK ACID LEACHABLE AND REDUCIBLE METAL RESIDUAL FRACTIONS. PORE WATER ANALYSES INCLUDE MAJOR CATIONS, NUTRIENTS, SOME TRACE METALS AND FREE HYDROGEN ION, ELECTRONS AND SULFIDE ION.

2284

WINTERS, G.V., BUCKLEY, D.E., CRANSTON, R.E., FITZGERALD, R.A., STOFFYN, M., STOFFYN-EGLI, P. 1984. GEOLOGICAL AND GEOCHEMICAL DATA FOR SEDIMENT AND PORE WATER SAMPLES FROM THE NARES ABYSSAL PLAIN, NORTH WESTERN ATLANTIC OCEAN. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1108. 90P.

GEOLOGICAL & CHEMICAL DATA ARE COMPILED FROM SEDIMENT & FROM SEDIMENT PORE WATER ANALYSIS OF SAMPLES FROM THE NARES ABYSSAL PLAIN, NW ATLANTIC. ANALYSIS OF SEDIMENT SAMPLES INCLUDE COLOUR, MEAN GRAIN SIZE, WATER CONTENT, ORGANIC CARBON, TOTAL CARBON, TOTAL MAJOR METALS, TRACE METALS & WEAK ACID LEACHABLE & REDUCIBLE METAL RESIDUAL FRACTIONS. PORE WATER ANALYSIS INCLUDE MAJOR CATIONS, NUTRIENTS, SOME TRACE METALS, FREE HYDROGEN ION, FREE ELECTRONS & SULFIDE ION CONCENTRATIONS.

2285

WINTERS, G.V., BUCKLEY, D.E., CRANSTON, R.E., FITZGERALD, R.A., STOFFYN, M., STOFFYN-EGLI, P. 1984. GEOLOGICAL AND GEOCHEMICAL DATA FOR SEDIMENT AND PORE WATER SAMPLES FROM THE SOHM ABYSSAL PLAIN, NORTH WESTERN ATLANTIC OCEAN. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1082. 50P.

GEOLOGICAL AND CHEMICAL DATA ARE COMPILED FROM SEDIMENT AND FROM SEDIMENT

PORE WATER ANALYSES OF SAMPLES FROM THE SOHM ABYSSAL PLAIN NW ATLANTIC OCEAN. ANALYSES OF SEDIMENT SAMPLES INCLUDE COLOUR, GRAIN SIZE, WATER CONTENT, ORGANIC CARBON, TOTAL MAJOR METALS, TRACE METALS, WEAK ACID LEACHABLE AND REDUCIBLE METAL RESIDUAL FRACTIONS. PORE WATER ANALYSES INCLUDE MAJOR CATIONS, NUTRIENTS, SOME TRACE METALS, FREE HYDROGEN ION, FREE ELECTRONS AND SULFIDE ION CONCENTRATIONS.

2286

WINTERS, G.V., FITZGERALD, R.A., BUCKLEY, D.E. 1978. ANALYSES OF WATER COLUMN AND BOTTOM SEDIMENT SAMPLES FROM THE MIRAMICHI ESTUARY, NEW BRUNSWICK. BEDFORD INSTITUTE OF OCEANOGRAPHY DATA SERIES BI-D-78-8. 81P.

WATER AND SEDIMENT SAMPLES WERE COLLECTED IN THE MIRAMICHI ESTUARY DURING SIX SEASONAL VISITS. THESE SAMPLES WERE ANALYSED FOR BOTH MAJOR AND MINOR COMPONENTS.

2287

WINTERS, G.V., PERKINS, C. 1975. DEPENDANCE OF CHELATABLE IRON CONCENTRATIONS ON HYDROLYSIS EQUILIBRIUM - AN ANALYTICAL IMPLICATION. IN: ABSTRACTS OF THE PITTSBURGH CONFERENCE ON ANALYTICAL CHEMISTRY AND APPLIED SPECTROSCOPY (26TH : 1975 : CLEVELAND, OH). PITTSBURGH: THE CONFERENCE. P.

2288

WINTERS, G.V., PERKINS, C.L. 1976. DEPENDENCE OF LABILE IRON IN AQUEOUS SOLUTION ON TOTAL IRON, STORAGE PH AND STORAGE TIME. CANADIAN JOURNAL OF SPECTROSCOPY 21(1): 36-40. (BIO CONTRIBUTION NO. 534)

IRON HYDROLYSIS HAS BEEN INVESTIGATED AS A POSSIBLE CAUSE OF THE DISAGREEMENT THAT EXISTS BETWEEN LABORATORIES WHICH USE SIMILAR CHELATION-SOLVENT EXTRACTION - ATOMIC ABSORPTION SPECTROSCOPY TECHNIQUES FOR IRON IN SEAWATER ANALYSES.

2289

WINTERS, G., SYVITSKI, J.P., KELLY, B., CLATTENBURG, D. 1984. SAFE: 1983 ATTENUANCE AND SUSPENDED PARTICULATE MATTER DATA. IN: SEDIMENTOLOGY OF ARCTIC FJORDS EXPERIMENT: HU 83-028 DATA REPORT, VOLUME 2, COMP., J.P.M. SYVITSKI. CANADIAN DATA REPORT OF HYDROGRAPHY AND OCEAN SCIENCES 28: 4.1-4.128. ALSO PUBLISHED IN GEOLOGICAL SURVEY OF CANADA OPEN FILE 1122.

2290

WINTERS, G.V., SYVITSKI, J.P.M., MAILLET, L. 1985. DISTRIBUTION AND DYNAMICS OF SUSPENDED PARTICULATE MATTER IN BAFFIN ISLAND FJORDS [ABSTRACT]. IN: ARCTIC LAND-SEA INTERACTION; ARCTIC WORKSHOP (14TH : 1985 : BEDFORD INSTITUTE OF OCEANOGRAPHY, DARIMOUTH, N.S.), [COMP., G.M. VILKS AND J.P.M. SYVITSKI. DARIMOUTH, N.S.: THE WORKSHOP]. P.73-77. (GEOLOGICAL SURVEY OF CANADA OPEN FILE 1223)

AN ASSESSMENT OF THE DISTRIBUTION AND DYNAMICS OF SUSPENDED PARTICULATE MATTER (SPM) IN 10 BAFFIN ISLAND FJORDS (BASED ON DATA WHICH WERE COLLECTED IN 1982, 1983 AND 1985) INDICATES THAT THE DISTRIBUTION OF PLANKTON, BIOGENIC DEBRIS AND MINERALOGICALLY UNIQUE SPM RELATES TO FJORD CIRCULATION AND REFLECTS THE OCCURRENCE OF SEICHE EVENTS AND DEEPWATER

RENEWAL EVENTS.

2291

WOODSIDE, J.M. 1979. GRAVITY AND MAGNETIC DATA AS NATURAL RESOURCE CHARTS FOR SAGLEK BANK AREA OF LABRADOR CONTINENTAL MARGIN. GEOLOGICAL SURVEY OF CANADA OPEN FILE 607. 14P.

2292

WOODSIDE, J.M. 1985. 'SHUFFLE' TECTONICS AT CONVERGENT MARGINS: MODERN EXAMPLE FROM THE MEDITERRANEAN [ABSTRACT]. IN: TECTONIC MODELS FOR THE EVOLUTION OF THE APPALACHIAN REGION; ABSTRACTS, ATLANTIC GEOSCIENCE SOCIETY 1985 SYMPOSIUM. MARITIME SEDIMENTS AND ATLANTIC GEOLOGY 21(1/3): 43-44.

LARGE SCALE TRANSLATION OF DETACHED PIECES OF COLLIDING PLATES OCCURS NORMAL TO THE DIRECTION OF THEIR CONVERGENCE. MAJOR SHEAR ZONES, SUCH AS THE MEDINA WRENCH ZONE IN THE MEDITERRANEAN, DEFINE THE GENERAL DIRECTION OF MOVEMENT. THIS MUST BE A DOMINANT FORM OF DEFORMATION BETWEEN ANY NON-PARALLEL SECTIONS OF CONVERGENT MARGINS.

2293

WOODSIDE, J., MCCONNELL, K., LONCAREVIC, B., RUPERT, J., COOPER, R. 1986. INTEGRATION OF ATLANTIC GEOSCIENCE CENTRE MARINE GRAVITY DATA INTO THE NATIONAL GRAVITY DATA BASE. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1232. IV. ALSO RELEASED AS CANADA. EARTH PHYSICS BRANCH OPEN FILE 85-32

THIS REPORT DOCUMENTS FOR OPEN FILE 1232, THE ACQUISITION, PROCESSING, EDITING AND QUALITY CONTROL, LEAST SQUARES ADJUSTMENT, STORAGE AND GENERAL GEOGRAPHICAL COVERAGE OF MARINE GRAVITY DATA COLLECTED IN EASTERN CANADA AND TO BE RELEASED AT THE SAME TIME THROUGH EPB OPEN FILE 85-31

2294

WOODSIDE, J.M., VANICEK, P., KLEUSBERG, A. 1987. SPATIAL DECOMPOSITION OF GEODAL CONSTITUENTS [ABSTRACT]. IN: INTERNATIONAL UNION OF GEODESY AND GEOPHYSICS GENERAL ASSEMBLY (19TH : 1987 : VANCOUVER), ABSTRACTS. INTERNATIONAL UNION OF GEODESY AND GEOPHYSICS (IUGG). P.83.

INTEGRATION OF ATTIMETRY DATA WITHIN A LOCALIZED SPHERICAL CAP USING A RECENTLY-DEVELOPED KERNEL IS EQUIVALENT TO A TRUNCATED SPHEROIDAL STOKES'S INTEGRATION OF SURFACE GRAVITY DATA. VARYING THE RADIUS OF THE SPHERICAL CAP MAY BE EQUIVALENT TO VARYING DEPTH OF FOCUS ON SOURCES OF PARTIAL GEOID ANOMALIES.

2295

WOODSIDE, J., VERHOEF, J., MACNAB, R. 1987. GRAVITY AND MAGNETIC MAPS COME OF AGE IN THE ELECTRONIC ERA. GEOS 16(1): 15-18.

NEW AND SIMPLE METHODS OF GRAPHICAL DISPLAY OF DATA AID IN THE EDITING, VISUALIZATION, AND INTERPRETATION OF POTENTIAL FIELD DATA. EXAMPLES OF SEVERAL TYPES OF IMAGE DISPLAY ARE DISCUSSED FOR THE ORPHAN BASIN AREA.

2296

WOODWARD-CLYDE-CONSULTANTS, TAYLOR, R.B. 1981. COASTAL GEOLOGY MAPS, CENTRAL SVERDRUP BASIN, N.W.T. GEOLOGICAL SURVEY OF CANADA OPEN FILE 549. 2V. & 8 MAPS.

2297

WRIGHT, J.A., KEEN, C.E., KEEN, M.J. 1984. MARINE HEAT FLOW ALONG THE NORTHEAST COAST OF NEWFOUNDLAND. GEOLOGICAL SURVEY OF CANADA PAPER 84-1B: 93-100.

2298

YOUNG, I.F., KING, L.H. 1977. PALEOCONTINENTAL SLOPES OF EAST COAST GEOSYNCLINE (CANADIAN ATLANTIC MARGIN). CANADIAN JOURNAL OF EARTH SCIENCES 14(11): 2553-2564. (BIO CONTRIBUTION NO. 700)

2299

ZEVENHUIZEN, J. 1986. STRAIT OF BELLE ISLE - PISCES IV DIVES - AUGUST 1985 MANNED SUBMERSIBLE OBSERVATIONS OF THE SUBMARINE CABLE TEST TRENCH IN THE STRAIT OF BELLE ISLE. GEOLOGICAL SURVEY OF CANADA OPEN FILE 1286. 19P. & 1 VIDEOTAPE.

THIS REPORT CONSISTS OF A WRITTEN REPORT AND A ONE HALF INCH VHS VIDEO TAPE DOCUMENTING THE OBSERVATIONS AND HIGHLIGHTS OF THE 1985 PROGRAM. SURFICIAL GEOLOGY AND FEATURES ARE DISCUSSED IN RELATION TO THE 1984 TEST TRENCHING PROJECT.

Author Index

Index to AGC Publications by Author with affiliation

Key to abbreviations used in affiliations

ADMIN	Administration (Subdivision of AGC)
AGC	Atlantic Geoscience Centre, Dartmouth, NS
AOL	Atlantic Oceanographic Laboratory (now Physical and Chemical Sciences Branch, Scotia Fundy Region, Department of Fisheries and Oceans)
BIO	Bedford Institute of Oceanography, Dartmouth, NS
CCIW	Canada Centre for Inland Waters, Burlington, ON
CHS	Canadian hydrographic Service
DEMR	Department of Energy, Mines and Resources
DSDP	Deep Sea Drilling Project
EMG	Environmental Marine Geology (Subdivision of AGC)
EPB	Earth Physics Branch of the Department of Energy, Mines and Resources (merged with the Geological Survey of Canada effective 1 April 1986)
EPG	Eastern Petroleum Geology (Subdivision of AGC)
F&O	Department of Fisheries and Oceans
GSC	Geological Survey of Canada
HYD	Canadian Hydrographic Service
IF	Institute Facilities (now Management Services, Scotia Fundy Region, Department of Fisheries and Oceans)
INRS	Institut National de la Recherche Scientifique, Quebec
ISPG	Institute of Sedimentary and Petroleum Geology, Calgary, AB
MEL	Marine Ecology Laboratory (now Biological Sciences Branch, Scotia Fundy Region, Department of Fisheries and Oceans)
MIT	Massachusetts Institute of Technology, MA, USA
NOAA	National Oceanographic and Atmospheric Administration, USA
NSRF	Nova Scotia Research Foundation, Dartmouth, NS
OSS	Ocean Science and Surveys (now part of Scotia Fundy Region, Department of Fisheries and Oceans)
PSS	Program Support (Subdivision of AGC)
RR	Regional Reconnaissance (Subdivision of AGC)
UBC	University of British Columbia, Vancouver, BC
USGS	United States Geological Survey, USA
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