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1901. ACADEMIE DES SCIENCES DE L'UNION DES REPUBLIQUES SOVIÉTIQUES SOCIALISTES. The following list of the *Publications of the Seismological Institute* of the above organization has been made available through the kindness of Dr. N. V. Raïko. The serial number preceding each item corresponds to that of the publication series. The place of publication is, in every case, Leningrad. Some of the papers have already been reported in these lists, either as one of the above series or as having been published under other auspices. The number, or numbers, in brackets following any item, indicates reference to such earlier reports in the *Bibliography*.

- (1) MUSHKETOV, D. and NIKIFOROFF, P., "Gravimetric and Seismic Expedition to Central Asia" (in English), 4 pages, 1 table, 1930. (561)
- (2) SOBOLEV, S., "Sur l'équation d'onde pour le cas d'un milieu hétérogène isotrope" (in French), 5 pages, 1930. (1584)
- (3) RAÏKO, N. V., "Zone épacentrale des tremblements de terre en Crimée" (in Russian with *résumé* in French), 13 pages, 5 figures, 5 tables, 1 plate, 1930. (877)
- (4) VEŠŇIAKOV, N. (N. Vechniakov), "Investigations séismométriques de quelques ponts à Lenigrad" (in Russian with lengthy *résumé* in French), 20 pages, 12 figures, 8 tables, 1930. (1595).
- (5) ČŠOCHER, V. (W. Zschocher; V. Tsshokher), "Sur les conditions d'équilibre de masses de terre sous l'action des forces séismiques" (in Russian with *résumé* in French), 11 pages, 2 figures, 1930. (1593)
- (6) SOBOLEV, S., "L'équation d'onde pour un milieu hétérogène" (in Russian), 57 pages, 1930. (1585)
- (7) SOBOLEV, S., "De la diffraction des ondes élastiques sphériques à proximité de la surface d'une sphère" (in Russian), 13 pages, 1930. (1586)
- (8) BÜSS, E., "Beitrag zur Berechnung von Kosntanten der Galitzin'schen aperiodischen Seismographen" (in German), 11 pages, 5 tables, 1930. (1012, 1807)
- (9) NIKIFOROFF, P., "Plan quinquennal des travaux de recherche scientifique de l'Institut Séismologique de l'Académie des Sciences de l'URSS" (in French), 27 pages, 11 plates, 1930. (765)
- (10) KUPRADZE, V. (V. Koupradze) and SOBOLEV, S., "Sur la propagation des ondes élastiques à la surface de séparation de deux milieux ayant des propriétés élastiques différentes" (in Russian with *résumé* in French), 23 pages, 1930. (1547)
- (11) SOBOLEV, S., "Sur un problème limite de la théorie du potentiel logarithmique et son application à la réflexion des ondes élastiques planes" (in Russian with *résumé* in French), 18 pages, 1 figure, 1930. (1587)
- (12) RAÏKO, N. V., "Sur la possibilité d'observer la phase de Mohorovičić dans les tremblements de terre au Caucase" (in Russian with *résumé* in English), 10 pages, 2 plates, 1930. (878)

- (14) MUCHKETOFF, D., "Il terremoto Irpino de 23 luglio 1930" (in Russian with *résumé* in Italian), 21 pages, 17 figures, 1931. (1848)
- (15) OLEWSKY, W. A., "Über eine partikuläre Lösung der Clairaut'schen Gleichung und ihre Anwendung in der Geophysik" (in German), 29 pages, 6 figures, 1931.
- (16) — "I internationale Tagung des wissenschaftlichen Beirates des Seismologischen Institutes der Akademie der Wissenschaften von UdSSR" (in Russian), 31 pages, 1931. (1801)
- (17) MUŠKETOV, D. (D. Muchketoff), "Aus den Beiträgen der I internationalen Tagung des wissenschaftlichen Beirates des Seismologischen Institutes" (in Russian), 14 pages, 1932.
- (18) SOBOLEV, S., "Application de la théorie des ondes planes à la solution du problème de H. Lamb" (in Russian), 41 pages, 7 figures, 1932. (1685)
- (19) NARYŠKINA, MME E., "Über eine Anwendung der Planwellentheorie" (in Russian with *résumé* in German), 40 pages, 6 figures, 1932. (1662)
- (20) SMIRNOV, V. and SOBOLEV, S., "Sur une méthode nouvelle dans le problème plan des vibrations élastiques" (in French), 37 pages, 4 figures, 1932. (1853; 1684)
- (21) NARYŠKINA MME E., "Über die Schwingungen des festen elastischen Halbraumes der längs der Ebene mit einer elastischen kompressiblen Flüssigkeit grenzt" (in German with *résumé* in Russian), 41 pages, 10 figures, 1933.
- (22) NOVOTORCEV, V., "On the Norms for Forces of Inertia in Designing of Earthquake-proof Buildings by Prof. K. Zavriev" (in Russian), 8 pages, 1 figure, 1933.
- (23) NOVOTORCEV, V., "Method of Successive Approximations Applied to the Study of Free Vibrations of Structures" (in Russian), 22 pages, 14 figures, 1933.
- (24) ZSCHOCHER, V., "On the Effect of the Forces Developing During the Earthquakes" (in Russian), 10 pages, 4 figures, 1 table, 1933.
- (25) ZSCHOCHER, V., "On the 'Technical Conditions' of the Antiseismical Construction Edited by the Transcaucasian Institute of Engineering" (in Russian), 7 pages, 1933.
- (26) NOVOTORCEV, V., "Method of Successive Approximations Applied to the Study of Forced Vibrations of Structures" (in Russian), 12 pages, 7 figures, 1933.
- (27) EVSEJEV, S., "Calculation of Gradients of Topographical Effects during Observations with a Gravity Variometer" (in Russian with *résumé* in English), 21 pages, 8 tables, 1933.
- (28) EVSEJEV, S., "Simplified Formulæ of Gradients of Topographical Effects" (in Russian with *résumé* in English), 15 pages, 2 figures, 8 tables, 1933.
- (29) SMIRNOV, V. and SOBOLEV, S., "Sur l'application de la méthode nouvelle à l'étude des vibrations élastiques dans l'espace à symétrie axiale" (in French), 49 pages, 1933.
- (30) KIRNOS, D., "Seismometrische Untersuchungen der Sägewerke '26' und 'A' in der Gegend von Archangelsk" (in Russian with lengthy *résumé* in German), 18 pages, 9 figures, 2 tables, 1933.
- (31) GORŠKOV, G., "Die geologische Verhältnisse des Zangezurerdbebens vom 27. April 1931" (in Russian), 25 pages, 3 figures, 4 plates, 1933.

It will be observed that No. 13 of the above list is not included. It is hoped that information regarding this item may be available later.

- ADAMS, C. E., "The Hawke's Bay Earthquake of 3rd February, 1931." See No. 1967 of this list.
- ADAMS, L. H., "Velocities of Wave-transmission in Rocks" (Abstract). See pages 286-287 of No. 1908 of this list.
1902. AGAMENNONE, G., "Periodicità diurno-notturna dei terremoti," *Rendiconti della Reale Accademia Nazionale dei Lincei, Classe di Scienze fisiche, matematiche e naturali*, **17**, Semi-fascicolo 10, 825-830, Rome, June, 1933.
1903. ALESSANDRI, C., "Sulla velocità apparente di propagazione superficiale dei terremoti in rapporto con la profondità ipocentrale," *Atti della Reale Accademia Nazionale dei Lincei*, **17**, No. 2, 141-146, Rome, January 22, 1933.
1904. AMBRONN, R., "Über einige für die Auswahl einer speziellen geophysikalischen Methode zur Lösung einer vorgegebenen Aufgabe wichtige Richtlinien und über die Auswertung seismischer Bodenuntersuchungen," *Congrès International, Mines, Météorologie, et Géologie, VI Session, Liège, 1930*, Section of Geology, 275-284, 1931.
- An abstract by C. A. Heiland, appears on page 385 of the *Annotated Bibliography of Economic Geology*, **5**, No. 2, Washington, July, 1933. Compare No. 1755 of these lists.
1905. ARAKAWA, H., "The Propagation of Elastic Waves in a Heterogeneous Medium and the Condition for the Validity of the Ray Theory," *Geophysical Magazine*, **7**, No. 2, 155-160, Tokyo, August, 1933.
- The author concludes that: "The ray method is valid for the propagation of waves in the deep interior of the earth but it fails for the propagation of waves in the upper part of the earth-crust, especially for the surface layer down to 20 km. The same conclusion holds good for the propagation of the S-waves."
1906. ARNDT, L., "La station séismologique de l'Observatoire astronomique et chronométrique de Neuchâtel," *Bulletin de la Société Neuchâteloise des Sciences Naturelles*, Tome **57** (Nouvelle Série, Tome **16**), 187-198, 1 figure, 10 plates, 1932.
- BARNETT, M. A. F., "The Hawke's Bay Earthquake of 3rd February, 1931," See No. 1967 of this list.
- BENIOFF, Hugo, "A Method for Timing Blasts." See No. 1997 of this list.
- BITTINGER, Charles, "Experiences over a Submarine Epicenter." See page 260 of No. 1908 of this list.
1907. BLAKE, A., "The Recording of Strong Seismic Motion," *Bulletin of the Seismological Society of America*, **23**, No 3, 111-127, 2 figures, Stanford, July, 1933.
- In designing a seismograph to measure strong motion it is important not to confine attention merely to the maximum acceleration or displacement of the earth motion; these are not sufficient to determine how much a building will be damaged. The fundamental problem is to measure the amount of motion associated with the periods to which the buildings respond. These periods are in the range from three-tenths of a second to three seconds. For this purpose a seismograph with a natural period of one second would be better than an instrument of either the accelerometer or displacement-meter type (Author's abstract).

- BLAKE, A., "Constants of the Wenner Seismograph" (Abstract). See pages 335-336 of No. 1908 of this list.
- BLAKE, A. and McCOMB, H. E., "Analysis of Rates of Rotation of Recording-drums." See pages 324-329 (2 figures, 3 tables) of No. 1908 of this list.
1908. BODLE, Ralph R. *et al.*, "Earthquake Notes," Eastern Section of the Seismological Society of America, 5, Nos. 1 and 2, i-vi + 251-336, numerous illustrations, Washington, June, 1933.
- This multigraphed edition reports the Proceedings of the 1933 Joint Meeting of the Eastern Section of the Seismological Society of America with the Section of Seismology of the American Geophysical Union, Washington, April 27, 28, and 29, 1933. In addition to the minutes and general information regarding the meeting, a total of 39 papers are presented in full or in summary form. These are reported in this list under the authors' names, making reference to the above publication by means of its serial number in the *Bibliography*.
- BODLE, Ralph R., "Epicenter-determination—A Discussion of Methods." See pages 261-268 (11 figures) of No. 1908 of this list.
- BOWIE, William, "Precise Geodetic Measurements and their Relation to Seismological Investigations." See pages 284-286 of No. 1908 of this list.
- BRAUNLICH, M. W., "An accelerometer for Recording Strong Earth-motions." See pages 304-306 (2 illustrations) of No. 1908 of this list.
- BRODIE, A., "The Hawke's Bay Earthquake of 3rd February, 1931." See No. 1967 of this list.
- BYERLY, Perry and SPARKS, Neil R., "The First Preliminary Waves of the California Earthquake of June 6, 1932." See pages 254-256 (1 figure) of No. 1908 of this list.
- CALLAGHAN, Eugene and GIANELLA, Vincent P., "The Cedar Mountain, Nevada, Earthquake of December 20, 1932." See pages 257-260 (3 illustrations) of No. 1908 of this list.
- CALLAGHAN, F. R., "The Hawke's Bay Earthquake of 3rd February, 1931." See No. 1967 of this list.
1909. CALOI, P., "Il terremoto Istriano del 29 Agosto 1931," *Bollettino della Società Sismologica Italiana*, 30, Fascicolo 6, 239-253, Rome, 1933.
1910. CALOI, P., "Contributo allo studio delle onde \bar{P} ," *La Ricerca Scientifica, nel Bollettino di Geodesia e Geofisica*, No. 3-4, 24 pages in reprint, 2 figures, 20 tables, bibliography, Rome, 1933.
- CARDER, Dean S., "The Travel-times of the *P*- and *S*-waves from Mexican Earthquakes." See pages 322-324 (1 figure, 1 table) of No. 1908 of this list.
1911. CHALLINOR, John, "The 'Throw' of a Fault," *The Geological Magazine*, 70, No. 9, 385-393, 2 figures, 1 plate, London, September, 1933.

The paper presents an interesting discussion of the use of the word "throw" in connection with a geological fault. The author illustrates his argument with photographs of faults in the Aberystwyth grits.

- CHICK, A. C., "The Long Beach Earthquake of March 10, 1933, and its Effect on Industrial Structures." See pages 273-284 (22 illustrations) of No. 1908 of this list.
1912. CLELAND, Ralph H., "Rock Temperatures and Some Ventilation Conditions in the Mines of Northern Ontario," *The Canadian Institute of Mining and Metallurgy*, No. 256, 379-407, 14 figures, bibliography, Montreal, August, 1933.
1913. CLEMENTS, Thomas, "Notes on the Fall of Columns during the Long Beach Earthquake," *Science*, No. 2014, 78, 100-101, 1 figure, New York, August 4, 1933.
1914. COULOMB, J., "Quelques remarques sur la méthode d'analyse harmonique de M. H. Labrouste," *Annales de l'Institut de Physique du Globe de l'Université de Paris et du Bureau Central de Magnétisme Terrestre*, 11, 170-174, Paris, 1933.
1915. COULOMB, J., "Nature discontinue des ondes de Love," *Comptes rendus*, 197, No. 8, 525-528, Paris, August 21, 1933. J.C.
- DAVIS, Watson, "Proposed New Earthquake-code." See page 336 of No. 1908 of this list.
- DELANEY, John P., S.J., "Wood-Anderson Installation at Buffalo" (Abstract). See page 312 of No. 1908 of this list.
1916. De MARCHI, Luigi, "Memorie scientifiche, 1883-1932," Raccolte da colleghi, allievi ed ammiratori in occasione del suo 75° compleanno, lxxii + 854 pages, portrait, diagrams, maps, Padova, Cedam, 1932.
- A lengthy abstract appears on page 464 of the *Geographical Journal*, 81, No. 5, London, May, 1933. It reads, in part, as follows: "...Among the more properly geophysical studies, grouped in the fifth part, are two memoirs on the theory of terrestrial isostasy. Two more papers may be linked with these: 'Elastic Theory of Tectonic Dislocations and Its Geophysical Applications,' and 'Theory of Waves Propagated on the Flat Surface of an Elastic Body and Its Application to Seismogram Analysis.' Though the method in these studies is a mathematical one, the conclusions and applications are no less interesting to the geographer. Let us remember also that lucid article 'What is the Earth?' which, though published in 1907, still remains a clear summary of our knowledge of the internal condition of our globe."
1917. EATON, J. Edmund, "Geology of the Southern California Earthquake," *Petroleum World*, 30, No. 4, 13-14, Los Angeles, April, 1933.
- A discussion of the Long Beach earthquake of March 10, 1933. F.W.L.
1918. EATON, J. Edmund, "Long Beach, California, Earthquake of March 10, 1933," *Bulletin of the American Association of Petroleum Geologists*, 17, No. 6, 732-738, 1 map, Tulsa, June, 1933.
- The author writes: "Because the earthquake originated along a structural line on which are a series of the world's more productive oil fields, and because the faulting which produced it also produced these reservoirs, a description of the structure may be of interest."
- On pages 739-740 of the same publication, Donuil Hillis presents a note on "Cracks Produced by Long Beach, California, Earthquake." The note is accompanied by a picture of one of these cracks.

1919. ENGINEERING NEWS-RECORD, "A Law for Earthquake Safety," *Engineering News-Record*, **110**, No. 22, 721, New York, June 1, 1933.

A short editorial reporting a law passed by the California legislature requiring certain safety factors in buildings. Some criticism of the law is offered.

In the same issue, under the title "News of the Week," is another short article dealing with the same subject (p. 722). w.w.d.

- FLEMING, J. A., "The Huancayo Seismograph-station in Peru." See pages 310-311 (1 figure) of No. 1908 of this list.

1920. FUJIWHARA, S., "Note on a New Term in the Equation of Motion in Hydrodynamics and in the Theory of Elasticity," *Geophysical Magazine*, **7**, No. 1, 45-49, Tokyo, 1933.

1921. GAST, P., "Die hypothesenfreie Bestimmung der Erdfigur mit neuen Hilfsmitteln," *Zeitschrift für Geophysik*, **9**, Heft 4-5, 189-196, 3 figures, Braunschweig, 1933.

1922. GIANELLA, Vincent P., "Earthquake or Landslide?" *Bulletin of the Seismological Society of America*, **23**, No. 3, 91-94, 1 plate, Stanford, July, 1933.

The writer discusses the probable nature of a disturbance observed and photographed from a plane above the Sierra Nevada on November 29, 1929.

- GIANELLA, Vincent P. and CALLAGHAN, Eugene, "The Cedar Mountain, Nevada, Earthquake of December 20, 1932." See pages 257-260 (3 illustrations) of No. 1908 of this list.

1923. (1) GLENNIE, E. A., "Crustal Warpings," *Monthly Notices of the Royal Astronomical Society, Geophysical Supplement*, **3**, No. 4, 170-176, 4 plates, London, May, 1933.

1923. (2) GLENNIE, E. A., "Note on Dr. Stoneley's Paper 'On the Crustal Warping Hypothesis,'" *Ibid.*, 181, May, 1933.

See No. 1979 of this list.

1924. GLOVER, P. W., "Tables for Facilitating the Solution of Wiechert's Equation," *Monthly Notices of the Royal Astronomical Society, Geophysical Supplement*, **3**, No. 4, 168-170, London, May, 1933. P.W.G.

1925. GOLD, S., "Smoothed Time-Distance Tables for a Normal-focus Earthquake," Dominion Observatory Pamphlet No. M7, 31 pages, Ottawa, 1933.

The Tables for P , PR_1 , PR_2 , PR_3 , S , SR_1 , SR_2 , SR_3 , and $S-P$, as obtained solely from Hodgson's study of the Tango earthquake, have been smoothed and entered at intervals of tenths of degrees of arcual distance for the purpose of preserving in discrete form these time-distance values for a single earthquake of well-determined epicentre and hypocentral time. The times given refer to epicentral time, which in this case is about two seconds later than hypocentral time.

- GORŠKOV, G., "Die geologische Verhältnisse des Zangezurerdbebens vom 27. April, 1931." See No. 1901 (31) of this list.

1926. GUTENBERG, B., "Tilting due to Glacial Melting," *Journal of Geology*, **41**, No. 5, 449-467, 5 figures, Chicago, July-August, 1933.

To investigate tilting and changes in level in the United States and Canada, results from the records of tide gauges of different stations were analyzed. In the Great Lakes region all results indicate a tilting of the land upward in a northerly direction, by about 10 cm. per 100 km. per century. Along the Pacific Coast a small rising of the land is indicated at the north, whereas in California the changes in height seem to be negative, but small and irregular. Along the Atlantic Coast of Canada the changes are small and within the limits of error nearly everywhere, but south of Portland (Me.) sinking prevails clearly. It is very probable that the tilt in the Great Lakes region is due to forces which tend to restore isostatic equilibrium disturbed by the melting of ice after the Ice Age (Author's abstract).

1927. HAMPTON, Edgar Lloyd, "The California Earthquake by Engineer and Architect," *Tech Engineering News*, 14 No. 5, 94-95, 104, Cambridge, Mass., October, 1933.

The article, which carries two illustrations, deals with the earthquake of March 10, 1933.

- HARRIS, A. G., "The Hawke's Bay Earthquake of 3rd February, 1931," See No. 1967 of this list.
- HAYES, R. C., "The Hawke's Bay Earthquake of 3rd February, 1931." See No. 1967 of this list.
- HECK, N. H., "Review of Seismology in the United States." See pages 318-321 of No. 1908 of this list.

1928. HECK, N. H. and NEUMANN, Frank, "Destructive Earthquake Motions Measured for First Time," *Engineering News-Record*, 110, No. 25, 804-807, 8 reproductions of seismograms, 1 table, New York, June 22, 1933.

High accelerations in the Long Beach earthquake are shown by strong-motion accelerograph records at three stations in southern California.

1929. HEILAND, C. A. and PUGH, W. E., "Certain Field Problems in Reflection Seismology," *Mining and Metallurgy*, No. 315, 14, 170, New York, 1933.

The writers discuss the problems arising in reflection seismology in (1) the transmission of the shot signal; (2) the surface correlation zones; and (3) the accurate determination of average velocities in the various zones.

- HENDERSON, J., "The Hawke's Bay Earthquake of 3rd February, 1931." See No. 1967 of this list.

1930. HILLER, W., "Eine Erdbebenwarte im Gebiete der Schwäbischen Alb," *Zeitschrift für Geophysik*, 9, 230-234, bibliography, Braunschweig, 1933.

A short account of the seismic activity of the region of the Schwabian Alps; particularly an announcement and description of the geographical position and instrumental equipment of the new seismological observatory at Messstetten-Ebingen ($\phi = 48^{\circ} 10' 54''$ N.: $\lambda = 8^{\circ} 57' 45''$ E. Gr.: $h = 905$ m.)

W.H.

- HILLIS, Donuil, "Cracks Produced by Long Beach, California, Earthquake." See No. 1918 of this list.

1931. HIRVONEN, R. A., "Über die kontinentalen Undulationen des Geoids," *Gerlands Beiträge zur Geophysik*, 40, Heft 1, 18-23, 1 table, 1 figure, bibliography, Leipzig, 1933.

- HODGSON, Ernest A., "Surface-reflected Waves of Shallow-focus Earthquakes" (Abstract). See page 309 of No. 1908 of this list.
1932. HOLMES, Arthur, "The Thermal History of the Earth," *Journal of the Washington Academy of Science*, **23**, No. 4, 169-195, Washington, 1933.
1933. HORIKOSHI, Ichizo, "Vibrations of Roadways Caused by Running Trains," *Japanese Government Railways, Bulletin of the Geotechnical Committee*, **2**, 161-168, Tokyo, October, 1932.
The paper is in Japanese with a summary in English.
- HOSMER, George L., "The Technology Seismograph-station." See pages 313-314 of No. 1908 of this list.
1934. IMAMURA, Akitune and KAWASE, Ziro, "The Sanriku Tsunami of 1933," *Japanese Journal of Astronomy and Geophysics*, **11**, No. 1, 17-35, 10 figures, 3 tables, Tokyo, 1933.
The paper deals with the destructive sea wave which was caused by the Japanese earthquake of March 2, 1933.
- INADA, S. and SUZUKI, J., "Abnormal Earth Current Accompanied by the Earthquakes." See No. 1980 of this list.
1935. ISHIMOTO, Mishio, "La déformation de la croûte terrestre et la production des ondes sismique au foyer," *Bulletin of the Earthquake Research Institute*, **11**, Part 2, 254-274, 11 figures, Tokyo, June, 1933.
1936. ITOO, T., "Über Oberflächenwellen in viskoelastischen Medien," *Memoirs of the Faculty of Engineering, Kyushu Imperial University*, **7**, No. 1, 5 pages, Fukuoka, 1933.
An abstract by W. Ayvazoglou appears on page 888 of *Geophysical Abstracts*, No. 52. See No. 1954 of this list. F.W.L.
- JACOBS, Elbridge C., "The University of Vermont Seismograph-station." See pages 314-316 (2 illustrations) of No. 1908 of this list.
1937. JÄNICKE, Ernst, "Ist das Erdinnere Fest?" *Sitzungsberichte der Heidelberger Akademie, Abhandlung* **8**, 1-16, 1932.
A review by K. Jung appears on page 1582 of *Physikalische Berichte*, **14**, Heft 19, Braunschweig, 1933.
1938. JEANS, J. H., "The Propagation of Earthquake Waves," *Proceedings of the Royal Society, Series A*, **102**, 554-574, London, 1923. J.B.M.
1939. JEFFREYS, Harold, "A Rediscussion of Some Near Earthquakes," *Monthly Notices of the Royal Astronomical Society, Geophysical Supplement*, **3**, No. 3, 131-156, 1 figure, London, February, 1933.
1940. JEFFREYS, Harold, *et al.*, "Vorschlag einer neuen Nomenklatur für Nahbebendiagramme," *Gerlands Beiträge zur Geophysik*, **40**, Heft 1, 96-109, Leipzig, 1933.
A discussion *re* the desirability of a choice of symbol for such a phase for example as \bar{P} of Mohorovičić, which is practically that designated by Jeffreys as P_s . Comments on the problem are given by many seismologists, apparently at the request of the editor of *Beiträge*.

1941. JOHNSON, Douglas, "Studies of Mean Sea Level," Report of Committee on Shore-line Investigations, National Research Council, U.S.A., Bulletin No. 70, 50 pages, Washington, 1929.

The paper reports a study of the tide records of Jamaica Bay, New York. No evidence of recent subsidence or elevation of the coast is evidenced for the period since tidal records were first made.

1942. JUNG, Jean, "La géologie profonde de la France d'après le nouveau réseau magnétique et les mesures de la pesanteur," *Annales de l'Institut de Physique du Globe de l'Université de Paris et du Bureau Central de Magnétisme Terrestre*, Tome 11, 119-169, 30 figures, 3 plates, Paris, 1933.

— KANAI, Kiyoshi and NISHIMURA, Genrokuro, "On the Effects of Discontinuity Surfaces upon the Propagation of Elastic Wave (I)." See No. 1968 of this list.

— KAWABATA, Yukio and MUTÔ, Katsuhiko, "Vertical Displacements of Bench Marks in the Nobi and Other Districts." See No. 1963 of this list.

— KAWASE, Ziro and IMAMURA, Akitune, "The Sanriku Tsunami of 1933." See No. 1934 of this list.

1943. KIENOW, Sigismund, "Der Zusammenhang zwischen Spannung und Verformung bei tektonischen Vorgängen," *Zeitschrift für Geophysik*, 9, 204-229, 13 figures, bibliography, Braunschweig, 1933.

— KIRNOS, D., "Seismometrische Untersuchungen der Sägewerke '26' und 'A' in der Gegend von Archangelsk." See No. 1901 (30) of this list.

1944. KLEINSCHMIDT, E., "Zur Flutbewegung der festen Erdkruste," *Zeitschrift für Geophysik*, 9, 197-199, Braunschweig, 1933.

1945. KODAIRA, Takao, "Earthquakes of the Kwanto District," *Bulletin of the Earthquake Research Institute*, 11, Part 2, 350-361, 8 figures, Tokyo, June, 1933.

— KREBS, A. and LANDSBERG, H., "Summen der Telegraphendrähte und seismische Bodenunruhe." See No. 1952 of this list.

1946. LABROUSTE, M. et Mme. H., "Analyse d'ondes de Rayleigh," *Comptes rendus*, 197, 176-177, 1 figure, Paris, July 10, 1933.

1947. (1) LABROUSTE, M. et Mme. H., "Analyse de graphiques résultant de la superposition de sinusoides à amplitude variable," *Annales de l'Institut de Physique du Globe de l'Université de Paris et du Bureau Central de Magnétisme Terrestre*, 11, 93-101, 4 figures, Paris, 1933.

1947. (2) LABROUSTE, M. et Mme. H., "Analyse d'ondes de Rayleigh," *Comptes rendus*, 197, No. 2 176-177, Paris, July, 1933.

The authors have decomposed the long waves registered by a vertical seismograph into a finite number of trains of pseudo-constant period. J.C.

1948. LABROUSTE, Mme. Y., "Composantes périodiques dans les ondes de Love," *Comptes rendus*, 197, No. 4, 344-346, 1 figure, Paris, July 24, 1933.

A decomposition of the Love-waves which is analogous to that obtained for the Rayleigh-waves as reported in No. 1947 (2) above. J.C.

1949. LAIS, Robert, "Die Erdbeben des Kaiserstuhls," *Der Kaiserstuhl: Eine Naturgeschichte des Vulkangebirges am Oberrhein*. Unter der Schriftleitung von R. Lais, herausgegeben als Festschrift zu seinem fünfzigjährigen Bestehen vom Badischen Landesverein für Naturkunde und Naturschutz in Freiburg i. Br. Badischer Landesverein für Naturkunde und Naturschutz, 135-143, 5 figures, Freiburg i. Br., 1933.

In the nineteenth century fourteen earthquakes originated in Kaiserstuhl. All were tectonic. No correlation with volcanic activity is established. The earthquakes of Kaiserstuhl fit into the picture which we associate with the seismicity of the sedimentaries of the Rheintal-graben. They are an indication that the tectonic movements beneath the mountains, particularly on their borders now visible, continue to the present day. A bibliography of fifteen numbers, covering the years 1883-1923, completes the discussion.

R.Z.

1950. LANDSBERG, H., "Das Erdbeben im Fuldagebiet vom 15. Januar 1933," *Zeitschrift für Geophysik*, 9, 234-235, 1 figure, bibliography, Braunschweig, 1933.

H.L.

1951. LANDSBERG, H., "Zur Laufzeitkurve der P_n -Welle bei Fernbeben," 2 mimeographed pages (1 sheet), issued by Taunus Observatory as part of their seismological bulletin, 1 graph, Frankfurt a.M., 1933.

The data used for this study were obtained from a selection of the earthquake epicentres for 1924-1929 as given in the International Seismological Summary. The author finds the distribution of the arrival times for epicentral distances between 60° and 100° to indicate two curves. The points on the curve of greater time arise from the records of stations for which the paths from the epicentres lay under the continents. Those for the other curve seem to be due to the fact that the transmission paths were under the ocean. The time difference between the two paths is between six and seven seconds.

H.L.

1952. LANDSBERG, H. and KREBS, A., "Summen der Telegraphendrähte und seismische Bodenruhe," *Physikalische Zeitschrift*, 34, Heft 15, 604-605, bibliography, Leipzig, 1933.

H.L.

1953. LEE, Frederick W., "Geophysical Progress During the Last Year," *Mining and Metallurgy*, No. 317, 14, 217-220, New York, 1933.

1954. LEE, Frederick W., "Geophysical Abstracts," United States Bureau of Mines: No. 51, 856-880, July; No. 52, 881-901, August; No. 53, 902-924, September; Washington, 1933.

F.W.L.

— LEET, L. Don, "Velocity of Elastic Waves in Granite and Norite" (Abstract). See page 288 of No. 1908 of this list.

— LEET, L. Don, "New Recording-vault of the Harvard Seismograph Station" (Abstract). See pages 312-313 of No. 1908 of this list.

1955. LOOS, P. A., "Beitrag zur Erklärung der argentinisch-chilenischen Erdbeben zwischen $27.$ und $33.$ ° südlicher Breite," *Gerlands Beiträge zur Geophysik*, 39, Heft 2-3, 206-235, 4 figures, bibliography, Leipzig, 1933.

— LUDY, A. K., "Adventures of Two Seismographtenders during a Severe Earthquake." See pages 256-257 of No. 1908 of this list.

1956. LÜNKENHEIMER, Federico, "Bemerkungen zu den Aufsatz des Herrn P. A. Loos: 'Über die Beziehungen zwischen dem katastrophalen Erdbeben von San Rafael vom 30. Mai 1929 einerseits und den zerstörenden Beben vom 14. April 1927 und 1.-2. Dezember 1928 andererseits,'" *Gerlands Beiträge zur Geophysik*, **40**, Heft 1, 44-60, Leipzig, 1933.
- LYNCH, Joseph, S. J., "A Review of Earthquakes of the Past Year." See pages 253-254 of No. 1908 of this list.
- MACELWANE, James B., S.J., "A New Table of Observed Travel-times of Earthquake Waves, for Distances between 10° and 180° at One-degree Intervals, Applicable Only to Earthquakes of Shallow Focus." See pages 307-309 of No. 1908 of this list.
- MACELWANE, James B., S.J., "Memorial to the Reverend Frederick L. Odenbach, S.J." See pages 317-318 of No. 1908 of this list.
1957. MARMER, H. A., "On the Determination of Mean High Water," *American Journal of Science*, Fifth Series, No. 153, **26**, 332-343, 5 figures, New Haven, September, 1933.
- The introduction reads: "In the study of coastal stability the position of the so-called 'high water line' is frequently employed as a criterion. . . . On investigation, however, it is found that the problem is not quite so simple. . . . The basic problem, therefore, is how to determine mean values of the various high water datums, so that they may be used as geophysical datums. The present paper is devoted to a consideration of the datum of mean high water."
- MARSHALL, P., "The Hawke's Bay Earthquake of 3rd February, 1931." See No. 1967 of this list.
- MCCALEB, T. S., "Preliminary Report on a Low-power, High-frequency, Radio Telephone and Telegraph-transmitter" (Abstract). See pages 303-304 of No. 1908 of this list.
1958. MCCOLLUM, Burton, "Seismic Method of Profiling Geologic Formations," U.S. Patent No. 1,909,205, issued May 16, 1933.
- On page 896 of Geophysical Abstracts, No. 52, (see No. 1954 of this list) appears the description as follows: "This invention relates to the art of determining the shape of seismic wave fronts in a subterranean substance, the method consisting in producing seismic waves, detecting the arrivals of the waves at points in a substantially vertical line therein, producing seismic waves to pass substantially vertically through said points, detecting the arrivals of the second mentioned waves at said points, and locating points on a wave front at the time it reaches one of said points." F.W.L.
- MCCOMB, H. E., "Strong-motion Seismograph Equipment and Installations." See pages 268-272 (10 illustrations) of No. 1908 of this list.
- MCCOMB, H. E. and BLAKE, A., "Analyses of Rates of Rotation of Recording-drums." See pages 324-329 (2 figures, 3 tables) of No. 1908 of this list.
1959. McLAUGHLIN, D. H., "Geophysical Prospecting in 1931," *Mining and Metallurgy*, No. 301, **13**, 16-20, New York, January, 1932.

The above carries forward the review for 1930, reported as No. 959 of these lists.

1960. MILDNER, P., "Die in den Jahren 1929 und 1930 in Leipzig aufgezeichneten Erdbeben," *Abdruck aus den Berichten der Mathematisch-physikalischen Klasse der Sächsischen Akademie der Wissenschaften zu Leipzig*, **84**, 209-268, 3 plates, Leipzig, 1932.

The above is numbered: *III Bericht der Erdbebenwarte des Geophysikalischen Instituts der Universität Leipzig.*

1961. MIYABE, Naomi, "The Crust Deformations in the District between Okitu and Kusimoto, along the Pacific Coast of the Main Island of Japan," *Bulletin of the Earthquake Research Institute*, **11**, Part 2, 278-314, 23 figures, 9 tables, Tokyo, June, 1933.

1962. MONDELLO, Ugo., "Ricerche sulla sismicità brasiliana," *Bollettino della Società Sismologica Italiana*, **31**, No. 1-2, 23-44, 1 map, Rome, 1933.

— MUCHKETOFF, D., "Aus den Beiträgen der I internationalen Tagung des wissenschaftlichen Beirates des Seismologischen Institutes." See No. 1901 (17) of this list.

1963. MUTÔ, Katsuhiko and KAWABATA, Yukio, "Vertical Displacements of Bench Marks in Nobi and Other Districts," *Bulletin of the Earthquake Research Institute*, **11**, Part 2, 315-328, 11 figures, Tokyo, June, 1933

The paper is in Japanese but has a lengthy *résumé* in English.

1964. NAGAOKA, Hantaro and SHIRAI, Toshiaki,

(1) "Formation of Tifetan Plateau Considered from the Wandering of the Pole," *Proceedings of the Imperial Academy*, **9**, No. 6, 243-246, 2 figures, Tokyo, June, 1933.

(2) "Three Belts of Great Earthquakes and Volcanoes of the World," *Ibid.*, 247-250, 1 map, June, 1933.

1965. NAGAOKA, Hantaro and SHIRAI, Toshiaki,

(1) "Change of Level in Northern Eurasia Considered from the Wandering of the Pole," *Proceedings of the Imperial Academy*, **9**, No. 7, 297-300, 1 map, Tokyo, July, 1933.

(2) "Fissures in the Bed of the Pacific Ocean with Relation to Three Belts of Great Earthquakes," *Ibid.*, 301-304, 1 map, Tokyo, July, 1933.

— NARYŠKINA, Mme. E., "Über die Schwingungen des festen elastischen Halbraumes der längs der Ebene mit einer elastischen kompressiblen Flüssigkeit grenzt." See No. 1901 (21) of this list.

1966. NAVARRO NEUMANN, M. Ma. S., S.J., "L'enregistrement des plésioséismes," *Bollettino della Società Sismologica Italiana*, **31**, No. 1-2, 7-22, Rome, 1933.

The entire paper is in French.

— NEUMANN, Frank, "The Strong-motion Records of the Southern California Earthquake of March 10, 1933" (Abstract). See page 272 of No. 1908 of this list.

— NEUMANN, Frank, "The Transmission of Seismic Waves." See pages 329-335 (2 figures) of No. 1908 of this list.

— NEUMANN, Frank and HECK, N. H., "Destructive Earthquake Motions Measured for First Time." See No. 1928 of this list.

— NEVILS, Coleman, S.J., "Address of Welcome at the Georgetown University." See page 304 of No. 1908 of this list.

1967. NEW ZEALAND DEPARTMENT OF SCIENTIFIC AND INDUSTRIAL RESEARCH, "The Hawke's Bay Earthquake of 3rd February, 1931," *New Zealand Journal of Science and Technology*, **15**, No. 1, 1-116, numerous maps, diagrams, half-tones, and tables, Wellington, 1933.

The report is issued separately, and is priced nominally at 2s. (G. H. Loney, Wellington). It is No. 43 of the bulletins issued by the New Zealand Department of Scientific and Industrial Research. It is divided into sections, each by a different author. The table of contents (condensed) is as follows:

Callaghan, F. R.: General Description (pp. 3-38).

Henderson, J. Geological Aspects (pp. 38-75).

Strong, Sydney W. S.: The Sponge Bay Uplift, Gisborne, and the Hangaroa Mud Blowout (pp. 76-78).

Marshall, P.: Effects of Earthquake on Coastline near Napier (pp. 79-92).

Adams, C. E., Barnett, M. A. F., and Hayes, R. C.: Seismological Report (pp. 93-107).

Brodie, A. and Harris, A. G.: Damage to Buildings (pp. 108-114).

The bulletin concludes with a report from the Building Regulations Committee and a map of New Zealand.

1968. NISHIMURA, Genrokuro and KANAI, Kiyoshi, "On the Effects of Discontinuity Surfaces upon the Propagation of Elastic Wave (I)," *Bulletin of the Earthquake Research Institute*, **11**, Part 2, 123-186, 15 figures, 13 tables, Tokyo, June, 1933.

1969. NISHIMURA, Genrokuro and TAKAYAMA, Takeo, "On Stresses in the Interior and in the Vicinity of a Spherical Inclusion in a Gravitating Semi-infinite Elastic Solid (I)," *Bulletin of the Earthquake Research Institute*, **11**, Part 2, 196-228, 11 figures, 18 tables, Tokyo, June, 1933.

— NOVOTORCEV, V., "On the Norms for Forces of Inertia in Designing of Earthquake-proof Buildings by Prof. K. Zavriev." See No. 1901 (22) of this list.

— NOVOTORCEV, V., "Method of Successive Approximations Applied to the Study of Free Vibrations of Structures." See No. 1901 (23) of this list.

— NOVOTORCEV, V., "Method of Successive Approximations Applied to the Study of Forced Vibrations of Structures." See No. 1901 (26) of this list.

— O'CONNOR, John S., S.J. and TYNAN, John W., S.J., "Recent Auxiliary Seismic Installation at Woodstock College, Maryland." See page 313 of No. 1908 of this list.

— OKI, S. and WADATI, K., "On the Travel Time of the Earthquake Waves, Parts III and IV." See No. 1993 of this list.

— OLEWSKY, W. A., "Über eine partikuläre Lösung der Clairaut'schen Gleichung und ihre Anwendung in der Geophysik." See No. 1901 (15) of this list.

1970. OXFORD UNIVERSITY, "International Seismological Summary, April, May, June, 1929," pp. 129-291: *Ibid.*, July, August, September, 1929, pp. 293-419, Oxford, 1933.

— POULTER, Thomas C., "The Seismological Program of the Byrd Antarctic Expedition II." See pages 316-317 of No. 1908 of this list.

- PUGH, W. E. and HEILAND, C. A., "Certain Field Problems in Reflection Seismology." See No. 1929 of this list.
1971. RAO, G. P., "Graphical Computation of Epicentral Distances," *Gerlands Beiträge zur Geophysik*, **39**, Heft 4, 431-432, 1 figure, 1 plate, Leipzig, 1933.
1972. RAPPLEYE, Howard S., "Recent Areal Subsidence Found in Relevelling," *Engineering News-Record*, **110**, No. 26, 845, 1 map, New York, June 29, 1933.
Changes in elevation of as much as four feet since 1920 were discovered over a large area centering on San Jose, California, by precise levels just completed, with all indications that the subsidence is still continuing.
1973. RICHARDSON, Lewis F., "Third-order Aberrations of Seismograph Springs," *Monthly Notices of the Royal Astronomical Society, Geophysical Supplement*, **3**, No. 3, 125-131, 2 figures, London, February, 1933.
- RICHTER, Charles F. and WOOD, Harry O., "A Second Study of Blasting Recorded in Southern California." See No. 1997 of this list.
- RUTHERFORD, H. M., "The Interpretation of Reflection-seismograms." See pages 289-303 (12 figures) of No. 1908 of this list.
1974. SAKAI, Takuzo, "On the Propagation of Elastic Waves over the Plane Surface of a Semi-infinite Body, I," *Proceedings of the Physico-Mathematical Society of Japan, Third Series*, **15**, No. 8, 291-327, Tokyo, August, 1933.
- SCHAFFERNICHT, W. and TOMASCHEK, R., "Die Flut der festen Erde." See No. 1987 of this list.
1975. SHEPARD, Francis P., "Depth Changes in Sagami Bay during the Great Japanese Earthquake," *Journal of Geology*, **41**, No. 5, 527-536, 5 figures, Chicago, July-August, 1933.
- SHIRAI, Toshiaki and NAGAOKA, Hantaro, "Formation of Tibetan Plateau Considered from the Wandering of the Pole;" and "Three Belts of Great Earthquakes and Volcanoes of the World." See No. 1964 of this list.
- SHIRAI, Toshiaki and NAGAOKA, Hantaro, "Change of Level in Northern Eurasia Considered from the Wandering of the Pole"; and "Fissures in the Bed of the Pacific Ocean with Relation to Three Belts of Great Earthquakes." See No. 1965 of this list.
1976. SLEE, J. A., "Reflection Methods of Measuring the Depth of the Sea," *Journal of the Institute of Electrical Engineers*, No. 422, **70**, 269-280, London, 1932.
- SMIRNOV, V. and SOBOLEV, S., "Sur l'application de la méthode nouvelle à l'étude des vibrations élastiques dans l'espace à symétrie axiale." See No. 1901 (29) of this list.
- SOBOLEV, S. and SMIRNOV, V., "Sur l'application de la méthode nouvelle à l'étude des vibrations élastiques dans l'espace à symétrie axiale." See No. 1901 (29) of this list.
1977. SOHON, F. W., S.J., "The Seismic Receiver," *Journal of the Washington Academy of Sciences* **23**, No. 9, 409-413, Washington, September 15, 1933.

- SOHON, F. W., S.J., "Seismological Work at Georgetown University," See page 321 of No. 1908 of this list.
- SPARKS, Neil R. and BYERLY, Perry, "The First Preliminary Waves of the California Earthquake of June 6, 1932." See pages 254-256 (1 figure) of No. 1908 of this list.
1978. SPITALER, R., "Beziehungen zwischen den Erdbeben in den Alpen und Apenninen und den Achsenschwankungen der Erde," *Gerlands Beiträge zur Geophysik*, **39**, Heft 2-3, 320-325, Leipzig, 1933.
- STECHSCHULTE, V. C., S.J., "Geographical Distribution of Deep-focus Earthquakes," See pages 311-312 of No. 1908 of this list.
1979. STONELEY, R., "On the Crustal Warping Hypothesis," *Monthly Notices of the Royal Astronomical Society, Geophysical Supplement*, **3**, No. 4, 176-181, London, May, 1933. See also No. 1923 (2) of this list.
- STRONG, Sidney W. S., "The Hawke's Bay Earthquake of 3rd February, 1931." See No. 1967 of this list.
1980. SUZUKI, J. and INADA, S., "Abnormal Earth Current Accompanied by the Earthquakes," *Proceedings of the Imperial Academy*, **9**, No. 6, 251-254, 5 figures, Tokyo, June, 1933.
1981. SUZUKI, Takeo, "Amplitude of Rayleigh Waves on the Surface of a Stratified Medium," *Bulletin of the Earthquake Research Institute*, **11**, Part 2, 187-195, 1 figure, Tokyo, June, 1933.
1982. TABER, Stephen, "The Location of Earthquake Epicenters," *Science*, No. 2022, **78**, 283, New York, September 29, 1933.
- This note is a comment on a paper by T. Clements, published also in *Science* and reported as No. 1913 of this list. See also No. 1996 of this list.
- TAKAYAMA, Takeo and NISHIMURA, Genrokuro, "On Stresses in the Interior and in the Vicinity of a Spherical Inclusion in a Gravitating Semi-infinite Elastic Solid (I)." See No. 1969 of this list.
1983. TAMARU, Takuro, "The Construction and Study of an Acceleration Seismograph," *Bulletin of the Earthquake Research Institute*, **11**, Part 2, 362-381, 6 figures, Tokyo, June, 1933.
- The paper is in Japanese but has a lengthy *résumé* in English.
1984. TAMS, Ernst, "Grundzüge der physikalischen Verhältnisse der festen Erde," *Geologie der Erde*, Edited by Erich Korenkel. Published by Gebrüder Borntraeger, viii+184 pages, diagrams, maps, Berlin, 1932.
- On page 461 of the *Geographical Journal*, **81**, No. 5, London, May, 1933, is given an abstract of the above publication. It reads, in part, as follows: "This book gives in comparatively small space a very useful summary of our knowledge of the structure of the earth. It is written primarily from a geophysical standpoint and the geographer will find it hard to assimilate unless he has a sound basis of knowledge in such subjects as seismology, earth temperature, methods of measuring gravity, isostasy, and related matters.

W.W.D.

1985. TERADA, T., "On a Measure of Uncertainty Regarding the Prediction of Earthquakes Based on Statistics," *Proceedings of the Imperial Academy*, 9, No. 6, 255-257, Tokyo, June, 1933.
1986. THOMPSON, J. S., "The Analysis of Compound Wave Forms," *Philosophical Magazine*, Seventh Series, No. 96, 15, 1-15, 16 figures, London, January, 1933.
The analysis of a wave form compounded of a pair of sine waves, although presenting no theoretical difficulty, is often laborious in practice. The above paper classifies the forms which may arise and provides a convenient method for performing the analysis.
1987. TOMASCHEK, R. and SCHAFFERNICHT, W., "Die Flut der festen Erde," *Zeitschrift für Geophysik*, 9, 199-204, Braunschweig, 1933.
1988. TSUBOI, Chûji, "Vertical Crustal Displacement in the Seismic Region of Ito on the East Coast of the Idu Peninsula," *Proceedings of the Imperial Academy*, 9, No. 6, 258-261, 4 figures, Tokyo, June, 1933.
1989. TSUBOI, Chûji, "Notes on the Mechanical Strength of the Earth's Crust," *Bulletin of the Earthquake Research Institute*, 11, Part 2, 275-277, Tokyo, June, 1933.
- TYNAN, John W., S.J. and O'CONNOR, John S., S.J., "Recent Auxiliary Seismic Installation at Woodstock College, Maryland." See page 313 of No. 1908 of this list.
1990. UNNA, P. J. H., "Seismic Sea Waves," *Nature*, No. 3333, 132, 447, London, September 16, 1933.
1991. VANNUCCI, P. Onorio, "Il servizio dell'ora nell'Osservatorio Sismico di S. Domenico in Prato," *Bollettino della Società Sismologica Italiana*, 31, No. 1-2, 45-49, Rome, 1933.
1992. VAN STEENWEN, Oliver P., "Geophysical Research in Germany," *Oil Weekly*, 66, No. 5, 33-37, Houston, July 18, 1932.
1993. WADATI, K. and OKI, S.,
(1) "On the Travel Time of the Earthquake Waves, Part III," *Geophysical Magazine*, 7, No. 2, 113-137, Tokyo, August, 1933.
(2) "On the Travel Time of the Earthquake Waves, Part IV," *Ibid.*, 139-153, Tokyo, August, 1933.
The discussion in the two papers is based mainly on the data of three large Japanese earthquakes: Kwanto, 1923, Sept. 1; Tango, 1927, Mar. 7; Abukuma, 1927, Aug. 6.
1994. WANNER, E., "Beiträge zur Geographie der Erdbeben II," *Gerlands Beiträge zur Geophysik*, 39, Heft 2-3, 326-332, 2 figures, bibliography, Leipzig, 1933.
The earthquake zones in the Alps are partly situated in or behind places where the mountain range changes its direction. An attempt is here made to follow up this idea in the case of the young European-Asiatic mountains after the "Erdbebengeographie," by A. Sieberg, and the "Bewegungsmechanismus der Erde," by R. Staub. (See Nos. 1582 and 90, respectively, of these lists). The first paper by the above author, dealing with the same subject, was reported as No. 496 of these lists.
1995. WEAVER, Paul, "Oil-geophysics Progress in 1932," *The Petroleum Times*, No. 774, 29, 398, London, 1933.
An interesting abstract by W. Ayvazoglou appears on pages 874-875 of *Geophysical Abstracts*, No. 51. (See No. 1954 of this list.)

- WENNER, Frank, "Address of the Chairman," See pages 252-253 of No. 1908 of this list.
- WILLIAMS, Earl L., "Earthquakes Observed with a Telescope." See pages 260-261 of No. 1908 of this list.

1996. WOOD, Harry O., "Note on the Long Beach Earthquake," *Science*, No. 2022, **78**, 281-282, New York, September 29, 1933.

This note is a comment on a paper by T. Clements, published also in *Science* and reported as No. 1913 of this list.
See also No. 1982 of this list.

1997. WOOD, Harry O. and RICHTER, Charles F., "A Second Study of Blasting Recorded in Southern California," *Bulletin of the Seismological Society of America*, **23**, No. 3, 95-110, 2 plates, Stanford, July, 1933.

The paper discusses the travel time curves recorded for a blast of 800 pounds of 20 per cent dynamite in weathered rock at a depth of about 16 feet; and for a blast of 20 tons of high explosive set in crystalline limestone. The first was usefully recorded at distances between 12.5 and 13.5 kilometres; the second at distances ranging from 8.5 to 290 kilometres. A significant paragraph in the summary states: "In the present study no positive evidence has been found to indicate reflected waves, or waves refracted along deeper layers. Phases considered in previous study to indicate such waves are now found to be susceptible of alternative explanations."

A note by Hugo Benioff is included, in which he describes a convenient method for timing blasts. This method was used for the above study.

1998. ZACHARIAS, Jerrold, "The Temperature Dependence of Young's Modulus for Nickel," *Physical Review*, **44**, No. 2, 116-122, 6 figures, 3 tables, New York, July 15, 1933.

A new method is described for the measurement of Young's modulus and its variation with temperature below 400°C. The method is applied to single crystals of pure nickel and to hard drawn, polycrystalline, commercial nickel between 30° C. and 400° C. The variation of Young's modulus with temperature in these substances depends on the previous thermal history of the sample. Between 30° and 200° Young's modulus for *annealed* specimens decreases about 13 per cent. This is followed by an increase to the Curie point of about 6 per cent and above the Curie point by a linear decrease. For *hard drawn* specimens and specimens *quenched* at 1100° the minimum is wholly absent. Young's modulus decreases continuously to the Curie point where the temperature coefficient changes abruptly (Author's abstract).

1999. ZISMAN, W. A.,

(1) "Young's Modulus and Poisson's Ratio with Reference to Geophysical Applications," *Proceedings of the National Academy of Sciences*, **19**, No. 7, 653-665, 2 figures, 10 tables, Washington, July, 1933.

(2) "Compressibility and Anisotropy of Rocks at and Near the Earth's Surface," *Ibid.*, 666-679, 3 figures, 2 tables, July, 1933.

(3) "Comparison of the Statically and Seismologically Determined Elastic Constants of Rocks," *Ibid.*, 680-686, 1 figure, 3 tables, July, 1933.

The three related papers constitute a complete discussion of the work of the author in attempting to explain the differences found in the elastic constants of granite as tested statically in the laboratory and the same constants deduced from the velocities of the seismic waves as observed by Leet and Ewing (see No. 1550 of these lists). A bibliography completes the paper in each case.

2000. ZISMAN, W. A., "Elastic Properties of Rocks at and Near the Earth's Surface and Their Relation to Seismology," *Gerlands Beiträge zur Geophysik*, **39**, Heft 4, 408-425, Leipzig, 1933.

The paper discusses the differences found by the author and by Leet in the elastic properties of rocks *in situ*, determined seismologically, and the same properties of the same kinds of rocks, determined in the laboratory.

- ZISMAN, W. A., "A Comparison of Laboratory and Seismologically Determined Elastic Constants of Rocks" (Abstract). See pages 287-288 of No. 1908 of this list.
- ZSCHOCHER, V., "On the Effect of the Forces Developing During the Earthquakes." See No. 1901 (24) of this list.
- ZSCHOCHER, V., "On the 'Technical Conditions' of the Antiseismical Construction Edited by the Transcaucasian Institute of Engineering." See No. 1901 (25) of this list.

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The initials appended to various items throughout the *Bibliography* indicate, in each case, the contribution by the respective collaborator.

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Zaunick, Rudolph, Editor, "Mitteilungen zur Geschichte der Medizin der Naturwissenschaften und der Technik," Dresden A-16, Germany.	R.Z.

SUBJECT INDEX FOR THE YEAR 1933

The following subject index for the items listed in the *Bibliography of Seismology* for the year 1933 has been prepared in the same form as that for the items listed in 1932 (see pages 284-286, Vol. X, No. 16 of these *Publications*) and may be considered a continuation of that index.

- A1. Aids to Seismological Study: Nos. 1769, 1807, 1901 (8), 1924, 1971, 1986.
See also M1. (Maps).
- B1. Building Construction: Nos. 1697, 1703, 1705, 1719 (4), 1719 (5), 1727, 1737, 1766, 1772, 1775, 1816, 1891, 1894, 1901 (25), 1919, 1967.
- B2. Bibliographies: Nos. 1644, 1731, 1751, 1755, 1819, 1838.
- C1. Catalogues of Earthquakes, Lists of Aftershocks, etc.: Nos. 1664, 1695, 1771, 1776, 1815, 1823, 1840, 1845, 1865, 1949, 1960.
See also R2. (Reports).
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