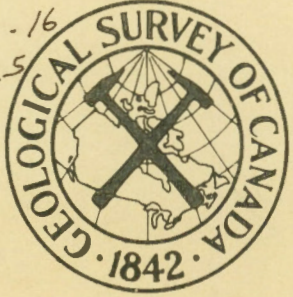


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DEPARTMENT OF ENERGY,
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FOREWORD

This publication provides the second listing of translations prepared by the Translation Bureau, Department of the Secretary of State, for the Geological Survey and contains selected titles of translations requested by the scientific staff between 1970 and 1971.

The list is arranged by subject and author and the bibliographical information included identifies the original document. The subject categories are of necessity very generalized. The number in the upper right hand corner is the Geological Survey Library translation number. Although the library copies of translations are not normally loaned outside the federal government departments, photo-copies may be obtained at the user's expense by arrangement with the library.

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The transliteration system used for the Russian language resembles that of the British Standard and the U.S. Bureau of Geographic Names namely:

"e"	and not "ye"	is used for the Russian "e"
"y"	is used	for the Russian "ѣ"
"i"	for	"и"
"ya"	for	"я"
"yu"	for	"ю"

Doreen M. Sutherland
Head, Library Services
Geological Survey of Canada

LIST OF TRANSLATIONS IN THE LIBRARY OF THE
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MINERAL DEPOSITS

General

MC82L Centre d'Etudes des Inclusions Gazeuses et Liquides. Some bibliograph-
.8C21 ical references to research on gas and liquid inclusions in minerals,
387 compiled by the Centre d'Etudes des Inclusions Gazeuses et Liquides,
bibl. Paris, and the Naturhistorisches Museum, Bern in collaboration with
Dr. E.J. Gübelin. Translated from German [by] Translation Bureau,
Dept. of the Secretary of State. Ottawa, 1971. 11 [i.e. 12]ℓ.

Translation of: Einige bibliographische Hinweise zur Erforschung des
Gas- und Flüssigkeitseinschlüsse in Mineralien. (In Schweizerische
mineralogische und petrographische Mitteilungen, v. 50, no. 1, 1970,
p. 201-208.)

MC82L Geochemical prospecting for endogenous ore deposits of rare elements
.8C21 (e.g. for tantalum) by A.A. Beus, V.V. Berengilova, L.L. Grabovskaya,
341 G.G. Kochemasov, L.A. Leont'eva, and A.A. Sitnin. Translated from
bibl. Russian [by] Translation Bureau, Dept. of the Secretary of State.
Ottawa, 1971. 2v. [430p]

Translation of: Geokhimicheskie poiski endogennykh mestorozhdenii
redkikh elementov (na primere tantala). Moscow, "Nedra", 1968.

MC82L Geology and ore deposits of the Shakanai Mine (1) with special reference
.8C21 to the mode of occurrence of black ore at the Daiichi (first) ore
242 deposit, by Toru Otagaki, Yasushi Tsukada, Takeshi Nagata and Hideo
bibl. Suzuki. Translated from Japanese [by] Translation Bureau, Dept. of
the Secretary of State. Ottawa, 1970. 33ℓ.

Translation of: Shakanai Kozan no Chishitsu Kosho (1) - Tokuni Daiichi
kotai no kokuko no sanjo ni tsuite. (In Mining Geology, v. 18, 1968,
p. 1-10).

MC82L Godlevskiy, M. N
.8C21
374 Chalcopyrite-millerite ores of the Noril'sk-I deposits, by M.N. Godlevskiy
bibl. and N.I. Shumskaya. Translated from Russian [by] Translation Bureau,
Dept. of the Secretary of State. Ottawa, 1971. 29[i.e. 30]ℓ

Translation of: Khal'kopirit-milleritovye rudy mestorozhdeniya Noril'sk-I.
(In Geologiya rudnykh mestorozhdenii, 1960, no. 6, p. 61-72).

MC82L Godlevskiy, M. N
.8C21
404 Traps and ore-bearing intrusions of the Noril'sk region. Translated
bibl. from Russian [by] Translation Bureau, Dept. of the Secretary of State.
Ottawa, 1971. 93[i.e. 94]ℓ.

Translation of: Trappy i rudonosnye intruzii noril'skogo rayona.
Moscow, Gosudarstvenno Nauchno-Tekhnicheskoe Izdatel'stvo Literatury
po Geologii i Okhrane Nedr, 1959, p. 3-17, 20-69.

General cont'd

- MC82L Goleva, G. A
.8C21
228 Hydrogeochemical prospecting of hidden ore deposits. Translated from
bibl. Russian [by] Translation Bureau, Dept. of the Secretary of State.
Ottawa, 1970. 2v.

Translation of: Gidrogeokhimicheskie poiski skrytogo orudneniya.
Moscow, "Nedra", 1968.
- ✓ MC82L Horikoshi, Ei
.8C21
292 The stratigraphic horizon of the kuroko deposits in Hanaoka-Kosaka.
bibl. Translated from Japanese [by] Translation Bureau, Dept. of the Secretary
of State. Ottawa, 1970. 44ℓ

Translation of: Hanaoka-Kosaka chiiki ni okeru kurolo no sojo-teki
ichi. (In Mining Geology, v. 10, no. 43, 1960, p. 300-310).
- ✓ MC82L Kulikov, A. V
.8C21
398 Phase measurements of induced polarization on the ore deposits of East
bibl. Kazakhstan, by A.V. Kulikov and E.A. Shemyakin. Translated from Russian
[by] Translation Bureau, Dept. of the Secretary of State. Ottawa, 1971.
10[i.e. 11]ℓ.

Translation of: Fazovye izmereniya VP na rudnykh mestorozhdeniyakh
Vostochnogo Kazakhstana. (In Razvedka i okhrana nedr, 1969, no. 10,
p. 36-40).
- ✓ MC82L Miyajima, Tatehisa
.8C21
326 Geology of deposits near the Kamikita Mine (2) - with special reference
bibl. to volcanic activities and mineralization in the Okunozawa formation,
by Tatehisa Miyajima and Hisashi Mizumoto. Translated from Japanese
[by] Translation Bureau, Dept. of the Secretary of State. Ottawa,
1970. 61ℓ.

Translation of: Kamikita kozan fukin no chishitsu kosho ni tsuite (2)
- tokuni okunozawaso ni okeru kasei katsudo to koka sayo ni tsuite...
(In Mining Geology, v. 18, 1968, p. 25-39).
- ✓ MC82L Sato, Takeo
.8C21
331 Ore deposit and mechanism of formation of western ore body of Uchinotai
bibl. of Kosaka mine in Akita-Ken. Translated from Japanese [by] Translation
Bureau, Dept. of the Secretary of State. Ottawa, 1970. 60[i.e. 61]ℓ.

Translation of: Akita-Ken Kosaka kozan Uchinotai nishi kosho to sono
seisei kiko. (In Mining Geology, v. 18, 1968, p. 241-256).

General cont'd

- ✓ MC82L Shipulin, F. K
.8C21
335 Sources of matter during endogenic ore formation. Translated from
bibl. Russian [by] Translation Bureau, Dept. of the Secretary of State.
Ottawa, 1971. 74[i.e. 76]l.
- Translation of: Ob istochnikakh veshchestv pri endogennom rudoobra-
zovanii. (In Problemy geologii mineral'nykh mestorozhdenii, petrologii
i mineralogii. Tom I. Moscow, "Nauka", 1969, p. 32-65).
- MC82L Stalder, H. A
.8C21
337 Window quartzes with methane inclusions from the western part of the
bibl. Swiss calcareous Alps, by H.A. Stalder and J.C. Touray. Translated
from German [by] Translation Bureau, Dept. of the Secretary of State.
Ottawa, 1971. 40l.
- Translation of: Fensterquarze mit Methan-Einschlüssen aus dem westlichen
Teil der schweizerischen Kalkalpen. (In Schweizerische mineralogische
und petrographische Mitteilungen, Bd. 50, Heft 1, 1970, p. 109-130
[+3 unnumbered pages]).
- ✓ MC82L Toraiwa, Tatsuo
.8C21
316 Exploration of the Matsumine ore deposit in the Hanaoka mine, by Tatsuo
bibl. Toraiwa and Hironobu Hashiguchi. Translated from Japanese [by] Trans-
lation Bureau, Dept. of the Secretary of State. Ottawa, 1970. 48l.
- Translation of: Hanoaka Kozan Matsumine kosho no tansa ni tsuite.
(In Mining Geology, v. 17, no. 4, 1967, p. 179-189).
- MC82L Vakhrushev, Valentin Aleksandrovich
.8C21
349 The upper mantle of the earth and ore formation. Translated from
bibl. Russian [by] Translation Bureau, Dept. of the Secretary of State.
Ottawa, 1971. 12[i.e. 13]l.
- Translation of: Verkhnyaya mantiya zemli i rudoobrazovanie. (In Priroda,
1970, no. 8, p. 28-31).
- ✓ MC82L Volchanskaya, I. K
.8C21
351 Relief of the earth and search for ore deposits. Translated from
bibl. Russian [by] Translation Bureau, Dept. of the Secretary of State.
Ottawa, 1971. 11[i.e. 12]l.
- Translation of: Rel'ef zemli i poiski rudnykh mestorozhdenii. (In
Priroda, 1970, no. 3, p. 59-63).

General cont'd

- MC82L Volkov, S. A
.8C21
215 Lithium and rubidium in quaternary deposits and soils of the Moldavian
bibl. SSR. Translated from Russian [by] Translation Bureau, Dept. of the
Secretary of State. Ottawa, 1970. 182.

Translation of: O litii i rubidii v chetvertichnykh otlozheniyakh i
pochvakh Moldavskoy SSR. (In Ocherki geokhimi endogennykh i giper-
gennykh protsessov. Moscow, "Nauka", 1966, p. 297-303).

- MC82L Yudin, I. M
.8C21
318 The Kounrad copper ore deposit (mineralogical, geochemical and genetic
bibl. features). Translated from Russian [by] Translation Bureau, Dept. of
the Secretary of State. Ottawa, 1971. 2082.

Translation of: Mednbe mestorozhdenie kounrad (mineralogo-geokhimicheskie
i geneticheskie cherty). Edited by V.I. Smirnov. [Moscow] Moscow
University Press, 1969.

Beryllium

- MC82L Kashirin, E. F
.8C21
249 Distribution of beryllium in acid and alkaline rocks of the Konkuder-
bibl. Mamakan complex (northern Baikal highlands), by E.F. Kashirin and
L.L. Petrov. Translated from Russian [by] Translation Bureau, Dept.
of the Secretary of State. Ottawa, 1970. 132.

Translation of: Raspredelenie berilliya v kislykh i shchelochnykh
porodakh Konkudero-Mamakanskogo kompleksa (Severo-Baykal'skoe nagor'ie).
(In Geologiya i geofizika, 1969, no. 7, p. 96-102).

Bismuth

- MC82L Ivanov, V. V ed.
.8C21
248 The mode of occurrence and the peculiarities in the distribution of
bibl. bismuth in hydrothermal ore deposits. Translated from Russian [by]
Translation Bureau, Dept. of the Secretary of State. Ottawa, 1970.
3092.

Translation of: Forma nakhozhdeniya i osobennosti raspredeleniya
bismuta v gidrotermal'nykh mestorozhdeniyakh. Moscow, "Nauka", 1969.

Boron

- MC82L Igumnov, N. Ya
.8C21
214 Application of geochemical methods of prospecting for boron deposits
bibl. in arid regions of the USSR. Translated from Russian [by] Translation
Bureau, Dept. of the Secretary of State. Ottawa, 1970. 132.

Boron cont'd

Translation of: K voprosu primeneniya geokhimicheskikh metodov poiskov mestorozhdeniy bora v aridnykh rayonakh SSSR. (In Ocherki geokhimii endogennykh i gipergennykh protsessov. Moscow, "Nauka", 1966, p. 311-315).

MC82L Saet, Yu. E

.8C21

213

bibl.

The factor of the migration ability of elements and its application for interpreting geochemical anomalies in prospecting for boron ore deposits. Translated from Russian [by] Translation Bureau, Dept. of the Secretary of State. Ottawa, 1970. 16l.

Translation of: Koeffitsient migratsionnoy sposobnosti elementov i ego primeneniye dlya interpretatsii geokhimicheskikh anomalii pri poiskakh mestorozhdeniy bora. (In Ocherki geokhimii endogennykh i gipergennykh protsessov. Moscow, "Nauka", 1966, p. 304-310).

Chromite

MC82L Pavlov, N. V

.8C21

314

bibl.

Chromites of the Kempirsai pluton, by N.V. Pavlov, G.G. Kravchenko and I.I. Chuprynina. Translated from Russia [by] Translation Bureau, Dept. of the Secretary of State. Ottawa, 1971. 355l.

Translation of: Khromity Kempirsaiskogo plutona. Moscow, "Nauka", 1968.

Chromium

MC82L Belyaev, Yu. I

.8C21

358

bibl.

The determination of small amounts of chromium in soils and plants by spectrum analysis, by Yu. I. Belyaev and L.I. Pavlenko. Translated from Russian [by] Translation Bureau, Dept. of the Secretary of State. Ottawa, 1971. 8[i.e. 9]l.

Translation of: Opredeleniye malykh kolichestv khroma v pochvakh i rasteniyakh metodom spektral'nogo analiza. (In Akademiya Nauk, SSSR. Leningrad. Biogeokhimicheskaya laboratoriya. Trudy, no. 10, 1954, p. 60-63).

Copper

MC82L Antonov, A. A

.8C21

356

bibl.

The hydrogeochemical method of prospecting for copper-nickel sulphide deposits in the Kola Peninsula. Translated from Russian [by] Translation Bureau, Dept. of the Secretary of State. Ottawa, 1971. 11[i.e. 12]l.

Translation of: O gidrogeokhimicheskoy metode poiskov medno-nikelevykh sul'fidnykh mestorozhdenii na kol'skom poluostrove. (In Razvedka i okhrana nedr. 1962, no. 3, p. 15-19).

Gold cont'd

- MC82L Lungwitz, E. E
.8C21
323 The geological connection between vegetation and gold ore deposits.
bibl. Translated from German [by] Translation Bureau, Dept. of the Secretary
of State. Ottawa, 1970. 11l.

Translation of: Der geologische Zusammenhang von Vegetation und
Goldlagerstätten. (In Zeitschrift für praktische Geologie, v. 8,
1900, p. 71-74).
- MC82L Němec, B.
.8C21
303 Gold in Zea Mays. Translated from German [by] Translation Bureau,
bibl. Dept. of the Secretary of State. Ottawa, 1970. 4l.

Translation of: Gold in Zea Mays. (In Deutsche Botanische Gesellschaft.
Berichte, Bd. 53, 1935, p. 560-562).
- MC82L Němec, B.
.8C21
396 On the occurrence of gold in horsetails (Equisetum palustre and arvense),
bibl. by B. Němec, J. Babička and A. Oborský. Translated from German [by]
Translation Bureau, Dept. of the Secretary of State. Ottawa, 1970.
11[i.e. 12]l.

Translation of: Über das Vorkommen von Gold in den Schachtelhalmen
(Equisetum palustre und arvense). (In Bulletin international, v. 37
[1936?], p. 1-6).
- MC82L Petrovskaya, N. V
.8C21
263 Dendrites of native gold. Translated from Russian [by] Translation
bibl. Bureau, Dept. of the Secretary of State. Ottawa, 1970. 22l.

Translation of: Dentrity samorodnogo zolota. (In Priroda, 1969,
no. 10, p. 58-63).
- MC82L Rozhkov, I. S
.8C21
202 The problem of gold-contents in ancient conglomerates. Translated from
bibl. Russian [by] Translation Bureau, Dept. of the Secretary of State.
Ottawa, 1967. 10l.

Translation of: Problema zolotonosnosti drevnikh konglomeratov. (In
Geologiya rudnykh mestorozhdeniy, v. 8, no. 5, 1966, p. 116-118).
- MC82L Shabynin, L. L
.8C21
268 Concerning the migration of gold in native waters. Translated from
bibl. Russian [by] Translation Bureau, Dept. of the Secretary of State.
Ottawa, 1970. 22l.

Translation of: K migratsii zolota v prirodnykh vodakh. (In Tomsk
Politekhnikheskii Institut. Izvestiya, v. 151, 1966, p. 273-280).

Gold cont'd

- MC82L Siderov, A. A
.8C21
312 Gold-silver mineralization in central Chukotka. Translated from Russian
bibl. [by] Translation Bureau, Dept. of the Secretary of State. Ottawa [1971].
2v.

Translation of: Zoloto-serebryanoe orudnenie tsentral'noi Chukotki.
Moscow, "Nauka", 1966.

- MC82L Syrovatskiy, V. V
.8C21
347 Authigenous gold in coalescence with osmiridium and platinum in
bibl. placers of the Kuznetsk Alatau, by V.V. Syrovatskiy, B.L. Bal'ter and
A.V. Manaeva. Translated from Russian [by] Translation Bureau, Dept.
of the Secretary of State. Ottawa, 1970. 10[i.e. 11]l.

Translation of: Autigennoe zoloto v srastani o osmistym iridiem i
platinoy v rossyipyakh Kuznetskogo Alatau. (In Vsesoyuznoe Mineral-
ogicheskoe Obshchestvo. Zapiski, v. 98, no. 3, 1969, p. 338-340).

- MC82L Tyurin, N. G
.8C21
406 On finely dispersed gold in pyrite. Translated from Russian [by]
bibl. Translation Bureau, Dept. of the Secretary of State. 15[i.e. 17]l.

Translation of: O tonkodispersnom zolote v pirite. (In Geologiya
rudnykh mestorozhdeniy, v. 7, no. 5, 1965, p. 70-75).

Hematite

- MC82L Pavlov, A. L
.8C21
232 Low-temperature hydrothermal synthesis of hematite and magnetite.
bibl. Translated from Russian [by] Translation Bureau, Dept. of the Secretary
of State. Ottawa, 1968. 29l.

Translation of: Nizkotemperaturnyi gidrotermal'nyi sintez gematita i
magnetita. (In Geologiya i geofizika, 1964, no. 11, p. 25-39).

Iron

- MC82L Pospelov, G. L
.8C21
278 The importance of carbonates for the formation of certain skarn-iron
bibl. ore deposits of W. Siberia. Translated from Russian [by] Translation
Bureau, Dept. of the Secretary of State. Ottawa, 1968. 16l.

Translation of: O roli karbonatov v obrazovanii nekotorykh skarnovo-
zhelezorudnykh mestorozhdenii zapadnoi Sibiri. (In Akademiya Nauk,
SSSR. Izvestiya. Seriya geologicheskaya, 1954, no. 2, p. 104-110).

Iron cont'd

- MC82L Serdyuchenko, D. P
.8C21
204 Economical importance of S. Yakutian iron ores and other associated
bibl. useful minerals. Translated from Russian [by] Translation Bureau,
Dept. of the Secretary of State. Ottawa, 1966. 58ℓ.
- Translation of: Promyshlennoe znachenie yuzhnyakutskikh zheleznykh
rud i svyazannykh s nimi drugikh poleznykh iskopaemykh. (In Zheleznye
rudy yuzhnoy Yakutii. Moscow, Akademiya Nauk, SSSR, 1960, p. 480-506).
- MC82L Serdyuchenko, D. P
.8C21
203 The origin of Archean ores of southern Yakutiya. Translated from Russian
bibl. [by] Translation Bureau, Dept. of the Secretary of State. Ottawa, 1966.
103ℓ.
- Translation of: Genezis arkheyskikh zheleznykh rud yuzhnoy Yakutii.
(In Zheleznye rudy yuzhnoy Yakutii. Moscow, Akademiya Nauk, SSSR,
1960, p. 437-479).

Lead-Zinc

- MC82L Eshchenko, O. P
.8C21
379 Iodine as an indicator-element of lead-zinc mineralization in North
bibl. Osetia, by O.P. Eshchenko and N.N. Trofimov. Translated from Russian
[by] Translation Bureau, Dept. of the Secretary of State. Ottawa, 1970.
15[i.e. 16]ℓ.
- Translation of: Iod kak element-indikator svintsovo-tsinkovogo
orudneniya severnoi osetii. (In Geologiya i razvedka, 1970, no. 3,
p. 74-82).

Lithium

- MC82L Kraynov, S. R
.8C21
236 Properties of formations of aqueous dispersion aureoles and hydrochemical
bibl. evidence of lithium deposits, by S.R. Kraynov and S.D. Kapranov.
Translated from Russian [by] Translation Bureau, Dept. of the Secretary
of State. Ottawa, 1969. 20ℓ.
- Translation of: Osobennosti formirovaniya vodnykh oreolov rasseyaniya
i gidrokhimicheskiye poiskovye priznaki mestorozhdeniy litiya.
(Formirovanie i geokhimiya podzemnykh vod Sibiri i Dal'nego Vostoka.
Moscow, "Nauka", 1967, p. 232-240).

Magnetite

- MC82L Kadenskii, A. A
.8C21
205 Magnetite mineralization in the Sutam district. Translated from Russian
bibl. [by] Translation Bureau, Dept. of the Secretary of State. Ottawa, 1966.
45ℓ.

Magnetite cont'd

Translation of: Magnetitovoe Orudnenie v sutamskom rayone. (In Zheleznye rudy yuzhnoy Yakutii. Moscow, 1960, p. 225-244).

Mercury

MC82L Andersson, Arne

.8C21

355 Mercury in decayed sludge. Translated from Swedish [by] Translation
bibl. Bureau, Dept. of the Secretary of State. Ottawa, 1970. 5[i.e. 6]l.

Translation of: Kvikksilvret i röttslam. (In Grundförbättring, v. 20, 1967, p. 149-150).

MC82L Andersson, Arne

.8C21

353 Mercury in soil. Translated from Swedish [by] Translation Bureau,
bibl. Dept. of the Secretary of State. Ottawa, 1970. 23[i.e. 24]l.

Translation of: Kvikksilvret i marken. (In Grundförbättring, v. 20, 1967, p. 95-105).

MC82L Aydin'yan, N.

Kh

.8C21

275 Certain new data on geochemistry of mercury, by N.Kh. Aydin'yan and
bibl. N.A. Ozerova. Translated from Russian [by] Translation Bureau, Dept.
of the Secretary of State. Ottawa, 1971. 21l.

Translation of: Nekotorye novye dannye po geokhimiі rtuti. (In Problemy geologii mineral'nykh mestorozhdenii, petrologii i mineralogii, tom 1: Problemy genezisa i lokalizatsii mineral'nykh mestorozhdenii, p. 191-199. Moscow, "Nauka", 1969).

MC82L Aydin'yan, N.

Kh

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304 The distribution of mercury in recent sediments, by N.Kh. Aydin'yan,
bibl. N.A. Ozerova, and S.K. Gipo. Translated from Russian [by] Translation
Bureau, Dept. of the Secretary of State. Ottawa, 1970. 17l.

Translation of: V voprosu o raspredelenii rtuti v sovremennykh osadkakh. (In Akademiya Nauk, SSSR. Institut geologii rudnykh mestorozhdenii, petrografii, mineralogii i geokhimiі. Trudy, v. 99, 1963, p. 5-11).

MC82L Aydin'yan, N.

Kh

.8C21

210 Mercury content in rocks and minerals of the Lovozerskii massif [by]
bibl. N.K. Aydin'yan, L.L. Shilin and O.G. Unanova. Translated from Russian
[by] Translation Bureau, Dept. of the Secretary of State. Ottawa, 1970.
19l.

Translation of: Soderzhanie rtuti v porodakh i mineralakh lovozerskogo massiva. (In Ocherki geokhimiі endogennykh i gipergennykh protsessov. Moscow, Nauka, 1966, p. 14-19).

Mercury cont'd

- MC82L Jernelov, Arne
.8C21
259 Laboratory experiments regarding the conversion of mercury into its
bibl. different forms of occurrence. Translated from Swedish [by] Translation
Bureau, Dept. of the Secretary of State. Ottawa, 1970. 8l.

Translation of: Laboratorieförsök rörande kvicksilvrets omvandling
mellan olika förskomstformer. (In Vatten, 1968, no. 1, p. 53-56).
- MC82L Jernelov, Arne
.8C21
301 Laboratory experiments regarding the conversion of mercury into its
bibl. different forms of occurrence. Translated from Swedish [by] Translation
Bureau, Dept. of the Secretary of State. Ottawa, 1970. 6l.

Translation of: Laboratorieförsök rörande kvicksilvrets omvandling
mellan olika förskomstformer. (In Vatten, 1968, no. 5, p. 456-458).
- MC82L Kaptel'-Kamen'shchikov, V. A
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363 Structure of the Terligkhai mercury deposit and the history of its
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