

12 V.V.Z. Geol i Razvedka

1803-N

Geophysical Methods of Prospecting and Exploration,
by A. G. Tarkhov, 25 pp.

RUSSIAN, per, Iz Vyssh Uchebnykh Zavedeniy, Geol
i Razvedka, No 1, Moscow, 1958, pp 107-123.

US JPRS-L-546-N

Sci - Geophysics
Jan 59

78,342

On a New Genus of Coral from the Lower Devonian of
the South-Western Kuzbass, by V. A. Ivaniya.

Iz Vysishch Ucheb-Znan, Ser
RUSSIAN, rpt, From Scientific rpt of Higher Schools,
Geologico-Geographic Sci, No 2, 1958, pp 121-124.

Kaz Dept of Interior
QE3, E57, No 6

USSR

Geo

Sci - Geophysics

Oct 60

128,648

The Coal Resources of the USSR During Forty Years
of Soviet Power, and Some Regular Features in the
Distribution of the Country's Coal Reserves, by
A. K. Matveyev, 13 pp. UNCL

RUSSIAN, per, Is Vsesoyuznaya Vsesoyuznaya Zavedniy:
Geologiya i Razvedka, No 4, 1958, pp 3-13.

Lending Library Unit
Translations Bulletin
Mar 1959

USSR
Recd
Apr 59

85,856

Katchenkov, S. M. and Katchenkova, N. S.
METHOD OF SEARCH FOR GERMANIUM. [1961] 3p.
Order from OTS or SLA \$1.10 61-19560

Trans. from Izvestiya Vysshikh Uchebnykh Zavedenii.
Geologiya i Razvedka (USSR) 1959 [v. 2] no. 3,
[p. 87-88].

DESCRIPTORS: *Germanium, Rock, Coal, Spec-
trographic analysis, Chemical analysis.

(Earth Sciences--Geology, TT, v. 7, no. 8)

61-19560

I. Katchenkov, S. M.
II. Katchenkova, N. S.
III. Geological Survey of
Canada

201417

Office of Technical Services

Patterns in the Alteration of the Chemical
Composition of Subsurface Waters of the Azov-
Kuban Trough and the Distribution of Iodine
and Bromine Therein, by N. V. ~~Em~~ Ovchinnikov,
5 pp.

RUSSIAN, per, Iz Vysshikh Ucheb Zavedeniy, Geol
i Razvedka, Vol III, No 1, 1960, pp 134-138.

ATS-67042R

ATS/RJ-2509

195,972

Sci

May 62

Geophysical Prospecting and Exploration Methods on the
Use of Perforated Materials in Two-Dimensional Seismic
Modeling, by P. G. Gil'bershteyn, I. I. Guryich, 26 pp.
RUSSIAN, per, Iz Vysishikh Ucheb Zaved Geol i Razvedka,
No 1, 1960, pp 139-156. 9691002

~~MIK~~
AID Report T-64-2

Sci - Earth Sci & Astron
Feb 64

250,200

(DC-4525)

Hydrogeochemistry, Its Tasks and Methods, by
A. M. Ovchinnikov, V. V. Krasintseva, 14 pp.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Geol i
Razvedka, No 4, 1960, pp 103-111.

JPRS 6381

Sci - Chem

Dec 60

135,827

(DC-4525)

Determining the True Rate of α -Counting During
the Deposition of Radioactive Aerosols on
FPP-15-1.7 and FPP-25-3.3 Filters, by Yu. T.
Kapitanov, A. S. Serdyukova, L. V. Gorbushina,
A. P. Korenkov, 15 pp.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Geol 1
Razvedka, No 4, 1960, pp 118-125.

JPRS 6381

Sci - Chem

Dec 60

135,828

Rybakova, N. O.
THE CHANGE IN MORPHOLOGICAL CHARACTER-
ISTICS OF SPORES OF SOME SPECIES OF FERNS
DURING THEIR DEVELOPMENT PROCESS. [1961]

6p.

Order from ATS \$10.50

ATS-37N50R

Trans. of Izvestiya Vysshikh Uchebnykh
Zavedeniya. Geologiya i Razvedka (USSR) 1960,
v. 3, no. 5, p. 61-66.

DESCRIPTORS: *Spores, *Plants, Growth,
Microorganisms.

(Biological Sciences--Botany, TT, v. 6, no. 1)

61-22356

I. Rybakova, N. O.
II. ATS-37N50R
III. Associated Technical
Services, Inc.,
East Orange, N. J.

ATS/RT-2828

161839

Office of Technical Services

An Analysis of the Operation of Knuckle Joints, by
V.M. Matrosov and B.I. Spiridonov.

RUSSIAN, per, Iz V.U.Z. Zvezda Geo iRaz, 1964, vol.7
no.2, pp.132-136.

ATS-52R76R

ES/A, tron
Aug 86

⁷
306,663

(DC-4605)

Some Problems of Superdeep Drilling, by B. I.
Vozdvizhenskiy, 11 pp.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Geol
i Razvedka, No 5, 1960, pp 128-136.

JPRS 6346

Sci - Eng

135,844

Dec 60

Pokeev, V. M.
A METHOD OF DETERMINING THE PRESSURE OF
SATURATED FORMATION WATERS. [1961] 6p.
Order from ATS \$8.80 ATS-16N52R

Trans. of Izvestiya Vysshikh Uchebnykh Zaved-
eniya. Geologiya i Razvedka (USSR) 1960, v. 3,
no. 6, p. 70-74.

DESCRIPTORS: *Water, Pressure, Determination,
*Hydrology.

(Earth Sciences--Geology, TT, v. 6, no. 6)

61-25037

- I. Pokeev, V. M.
- II. ATS-16N52R
- III. Associated Technical
Services, Inc., East
Orange, N. J.

176707

Office of Technical Services

Kamenskii, G. N., Gavich, I. K., and Semenova, S. M.
HYDRODYNAMIC CHARACTERISTICS OF DIFFERENT
TYPES OF FLOWS OF UNDERGROUND WATERS.
[1961] 8p.
Order from ATS \$16.00 ATS-17N52R

Trans. of Izvestiya Vsesoyuznogo Nauchno-Issledovatel'skogo Instituta
Geologii i Razvedki (USSR) 1960, v. 3, no. 10,
p. 81-88.

DESCRIPTORS: *Water, Hydrodynamics.

(Mechanics--Hydrodynamics, TT, v. 6, no. 6)

61-25048

- I. Title: Underground waters
- I. Kamenskii, G. N.
- II. Gavich, I. K.
- III. Semenova, S. M.
- IV. ATS-17N52R
- V. Associated Technical
Services, Inc., East
Orange, N. J.

176714

Office of Technical Services

Gurevich, M. S. and Tolstikhin, N. I.
A CHEMICAL CLASSIFICATION SCHEME FOR
GROUND WATERS. [1961] 13p.
Order from ATS \$22. 60 ATS-05N54R

Trans. of Izvestiya Vysshikh Uchebnykh Zavedeniya
Geologiya i Razvedka (USSR) 1961, v. 4, no. 1,
p. 83-93.

DESCRIPTORS: *Hydrology, Classification, Chemical
analysis, Geology.

(Earth Sciences--Geology, TT, v. 7, no. 3)

62-12082

I. Gurevich, M. S.
II. Tolstikhin, N. I.
III. ATS-05N54R
IV. Associated Technical
Services, Inc.,
East Orange, N. J.

ATS-RJ-3523

Office of Technical Services

Kalinin, A. G. and Andreev, M. M.
THE MINIMUM ALLOWABLE RADIUS OF CURVA-
TURE FOR A WELL. [1961] 5p.
Order from ATS \$7.35

ATS-47N56R

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii.
Geologiya i Razvedka (USSR) 1961, v. 4, no. 5,
p. 97-101.

DESCRIPTORS: *Petroleum, Sources, Design.

(Earth Sciences--Geology, TT, v. 7, no. 3).

62-12142

I. Kalinin, A. G.
II. Andreev, M. M.
III. ATS-47N56R
IV. Associated Technical
Services, Inc.,
East Orange, N. J.

Office of Technical Services

Romanovich, I. F.
THE ROLE OF THE CONTENT OF STABLE COM-
PONENTS IN THE COMPUTATION OF VOLUME
CHANGES AND MATERIAL BALANCE IN METASO-
MATISM. [1961] 8p.
Order from ATS \$10.80

ATS-98N57R

Trans. of Izvest[ia] Vysshikh Ucheb[nykh] Zavedenii.
Geol[ogiya] i Razvedka (USSR) 1961, v. 4, no. 7,
p. 68-74.

DESCRIPTORS: *Minerals, *Transformations, Geology

(Earth Sciences--Geology, TT, v. 7, no. 10)

62-12659

- I. Title: Metasomatism
- I. Romanovich, I. F.
- II. ATS-98N57R
- III. Associated Technical
Services, Inc.,
East Orange, N. J.

ATS-RJ-3521

Office of Technical Services

63-17713-4

INTERNATIONAL GEOLOGY REVIEW, VOL. 5,
NO. 4, P. 379-504. Apr 63, 1v. 115 refs.
Order from AGI \$5.00, \$55.00/year

I. American Geological Inst.,
Washington, D. C.

Trans. of Izvestiya-Vysshikh Uchebnykh Zavedeni.
[Geologiya i Razvedka] (USSR) 1961 (v. 4) no. 8,
p. 60-73; Zakonomernosti Razmeshcheniya Poleznykh
Iskopaemykh (USSR) 1958, v. 1, p. 252-274; Vsesoyuz-
noe Mineralogicheskoe Obshchestvo. Zapiski (USSR)
1961, v. 90, no. 6, p. 695-697; Sovetskaya Geologiya
(USSR) 1961, no. 10, p. 42-57, 100-107, 118-136; and
mono. Osnovy Tektoniki Kitaya, Moscow, 1962, p. 3-7,
524-527 (Russian ed. of Chinese mono. ed. by N. V.
Tupitsyn).

DESCRIPTORS: *Geology, Periodicals, Sulfides, De-
posits, Structural geology, China, Terrestrial magnet-
ism, Minerals, Ion bombardment, Geophysical pros-
pecting, Marine geology, Oils, Reviews.
(Earth Sciences--Geology, TT, v. 10, no. 9) (over)

Office of Technical Services

63-17713-3

INTERNATIONAL GEOLOGY REVIEW, VOL. 5,
NO. 3, P. 253-378. Mar 63, iv. 125 refs.
Order from AGI \$5.00, \$55.00/year

Trans. of Izvestiya Vysshikh Uchebnykh Zavedeni.
Geologiya i Razvedka (USSR) 1961 [v. 4] no. 10,
p. 66-71; Zakonomernosti Razmeshcheniya Poleznykh
Iskopaemykh (USSR) 1958, v. 1, p. 203-240; Sovet-
skaya Geologiya (USSR) 1961, no. 9, p. 8-70,
108-114, 127-135, 148-152.

DESCRIPTORS: *Geology, Periodicals, Radiochemis-
try, Clay minerals, Terrestrial magnetism, Minerals,
Indexes, China, Stratigraphy, Paleocology, Molybde-
num, Coal, Geochemistry, Oils, Gases.

Contents:

Relationship of radioactive clays to their mineralogi-
(Earth Sciences--Geology, TT, v. 10, no. 4) (over)

I. American Geological Inst.,
Washington, D. C.

Office of Technical Services

Chetverikov, S. D.
A RATIONAL METHOD OF REPRESENTING THE
COMPOSITION OF NATURAL WATERS AS APPLIED
TO OIL-ASSOCIATED WATERS AND THEIR NOR-
MATIVE CLASSIFICATION. [1962] 12p.
Order from ATS \$18.25 ATS-81P60R

Trans. of Izvest[iya] Vysshikh Ucheb[nykh] Zavedenii.
Geol[ogiya] i Razvedka (USSR) 1961, v. 4, no. 12,
p. 85-94.

DESCRIPTORS: *Water, *Oils, *Petroleum, Mixtures,
Classification.

62-17754

- I. Chetverikov, S. D.
- II. ATS-81P60R
- III. Associated Technical Serv-
ices, Inc., East Orange,
N. J.

ATS-RJ-3522

(SF-1878)

Aleksandr Andreyevich Yakzhin, 3 pp.

RUSSIAN, per, Izvestiya Vysshikh Uchebnykh
Zavedeniy, Geologiya i Razvedka, No 1, 1962,
pp 1, 2.

JPRS 14734

USSR
Biographic
Aug 62

ATS

RJ-5750 TECTONICS OF SOUTHWESTERN SYRIA AND ADJACENT RE-
GIONS OF THE NEIGHBORING COUNTRIES, A. V. Razval-
yaev, Izv. Vysshikh Uchebn. Zavedenii, Geol. i
Razvedka 7, No. 12, 14-26 (1964).
5250 W; 4 F; 30 R \$17.75 (\$4.25)

12 V.U.Z. Gornyy zhur

Potapov, I. I.
ON THE PROBLEM OF ORIGIN OF THE EARTH (K
Probleme Proiskhozheniya Zemli) V. P. Sokoloff, tr.
Feb 64, 13p 36refs
Order from AGI \$5.00, in International Geology Review,
vol. 6, no. 2 (p. 189-201)

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii
Geologiya i Razvedka (USSR) 1962 [v. 5] no. 1, p. 3-18.

(Earth Sciences--Geology, TT, v. 12, no. 4)

TT-64-12802-2
(p. 189-201)

I. Potapov, I. I.
II. American Geological
Inst., Washington, D. C.

Office of Technical Services

Parliskii, Yu. M.
PRINCIPLES OF MOST EFFICIENT ROCK CRUSHING
DURING DRILLING. [1962] 9p.
Order from ATS \$12.00

ATS-43P63R

Trans. of Izvestiya Vysshikh Uchebn[ykh] Zavedeni.
Geol[ogiya] i Razvedka (USSR) 1962, v. 5, no. 4,
p. 134-142.

DESCRIPTORS: *Rock, *Fracture (Mechanics), *Well
drilling, Geology.

(Engineering--Chemical, IT, v. 9, no. 2)

63-12045

I. Parliskii, Yu. M.
II. ATS-43P63R
III. Associated Technical
Services, Inc.,
East Orange, N. J.

ATS/RJ-3872

Office of Technical Services

Lower Carboniferous Deposits of the Middle Tien Shan and the
Talas-Fergana Fault, by V. S. Burtman, 21 pp.

RUSSIAN, per, Izvest vyssh ucheb zaved, Geolog i Razv, No 9,
Oct 1962, pp 29-42.

JPRS 22852

Sci-Ear Sci & Astron

Jan 64

247, 017

63-17763

Chetverikov, L. I.
PRINCIPLES OF APPLICATION OF THE THEORY
OF PROBABILITY TO THE ANALYSIS OF
EXPLORATION DATA. [1963] 12p.
Order from ATS \$18.75 ATS-03Q70R

Trans. of Izvestiya Vysshikh Uchebn[ykh]
Zavedeni. Geol[ogiya] i Razvedka (USSR) 1962,
v. 5, no. 9, p. 73-85.

DESCRIPTORS: *Probability, Theory, *Exploration,
Data, Mathematical analysis.

(Earth Sciences--Geology, TT, v. 10, no. 6)

I. Chetverikov, L. I.
II. ATS-03Q70R
III. Associated Technical
Services, Inc.,
East Orange, N. J.

Office of Technical Services

Chang, T. and Skaryatin, V. D.
RESULTS OF A STUDY OF FRACTURING OF
CARBONATE ROCKS IN DAGESTAN USING AERIAL
PHOTOGRAPHS. [1963] 9p.
Order from ATS \$9.50 ATS-89Q69R

Trans. of [zv[estiya] Vysishikh Uchebn[ykh] Zavedenii.
Geologiya i Razvedka (USSR) 1962, v. 5, no. 10,
p. 53-62.

DESCRIPTORS: *Rock (Geology), *Carbonate minerals,
*Non-metals, *Aerial photography, Mining engineering,
Mechanical properties, Fracture (Mechanics).

(Earth Sciences--Geology, TT, v. 10, no. 5)

63-17466

1. Title: Dagestan
- I. Chang, T.
- II. Skaryatin, V. D.
- III. ATS-89Q69R
- IV. Associated Technical
Services, Inc.,
East Orange, N. J.

Office of Technical Services

Accounting for Seleno-Solar Tidal Influences
in Gravimetric Measurements, by
Ye. A. Mudretsova, 11 pp.

RUSSIAN, por, Iz Vyssh Ucheb Zaved,
Geol i Razvedka, No 10, 1962, pp 113-119.

TP5001369

FTD-TT-65-739

Sci - Space Tech

Jan 67

314,225

Kaleda, G. A.
STATUS OF THE STRATIGRAPHY OF DEVONIAN
DEPOSITS IN THE ALAY AND TURKESTAN
MOUNTAINS (O Sostoyanii Stratigrafii Devonakikh
Otklozhenii Alaiskogo i Turkestanakogo Khrebtov) tr.
by Dimitri Shalikashvili. Apr 63 [31] p. 21 refs.
ACIC TC-601.
Order from OTS or SLA \$3.60

63-19538

Trans. of [Izvestiya Vsesoyuznogo Nauchno-Issledovatskogo
Geologiya i Razvedka (USSR) 1962 [v. 5] no. 11,
p. 36-50.

DESCRIPTORS: *Stratigraphy, *Paleontology, Animals,
Structural geology, Asia, Mountains, Geology,

A study is made of the stratigraphy of Devonian deposits
in the area of the Alay and Turkestan mountain ranges.
The area is separated into the following facies-
structural zones: zones of accumulation of organic cal-
(Earth Sciences--Geology, TT, v. 10, no. 12) (over)

63-19538

1. Title: Brachiopods
2. Title: Turkestan mountains
- I. Kaleda, G. A.
- II. ACIC TC-601
- III. Aeronautical Chart and
Information Center,
St. Louis, Mo.

Office of Technical Services

TT-64-12060

Khain, V. E.
ABYSSAL FAULTS: THEIR MAIN CHARACTERISTICS,
PRINCIPLES OF CLASSIFICATION, AND SIGNIFI-
CANCE IN THE DEVELOPMENT OF THE EARTH'S
CRUST (AN HISTORICAL REVIEW). [1963] 18p
Order from ATS \$24.75 ATS-88Q71R

Trans. of Izvestiya Vysshikh Uchebnykh Zavedeni.
Geologiya i Razvedka (USSR) 1963, v. 6, no. 3,
p. 13-29.

DESCRIPTORS: *Structural geology, *Faults (Geology),
Lithosphere, Classification, Reviews,

(Earth Sciences--Geology, TT, v. 11, no. 3)

- I. Khain, V. E.
- II. ATS-88Q71R
- III. Associated Technical
Services, Inc.,
East Orange, N. J.

Office of Technical Services

TT-64-22262

Shelkovaikov, I. G.
AN INVESTIGATION OF THE PROCESS OF IMPACT
ENERGY TRANSMISSION THROUGH A CORE BARREL
WITH THE AID OF RESISTANCE STRAIN GAGES. 8p.
Order from ATS \$9.75 ATS-24R75R

Trans. of Is[estiva] Vysshikh Uchebn[ykh] Zavedeni.
Geologiya i Razvedka (USSR) 1963, v. 6, no. 10,
p. 121-127.

I. Shelkovaikov, I. G.
II. ATS-24R45R
III. Associated Technical
Services, Inc.,
East Orange, N. J.

(Earth Sciences--Geology, TT, v. 12, no. 4)

Office of Technical Services

Types of Karst in East China, by S. Ordzhonikidze, 28 pp.
RUSSIAN, per, Iz Vysakh Ucheb Zaved, Geolog i Razved-
ka, No 2, 1964, pp 39-55.
JPRS 23934

USSR
FE-China
Geog

Apr 64

253, 710

An Analysis of the Operation of Knuckle
Joints, by V. M. Matrosow and
B. I. Spiridonov,
RUSSIAN, per, Izv. VUZ Geol i Razvedka, Vol
VII, No 2, 1964, pp 132-136.
ATS RJ-4550

Sci-Materials
Apr 67

321,599

Investigation of Heterogenous Magnetization of
Rock, by G. A. Solov'yev, S. Ordzhonikidze,
6 pp.
RUSSIAN, per, Iz VUZ. Geologiya i Razvedka,
No 3, 1964, pp 120-123.
JPRS 24312

Sci - Ear Sci
May 64

257, 078

Training of Geological Engineers at Moscow Geological Prospecting Institute, by V. N. Pavlinov, 8 pp.
RUSSIAN, per, Iz Vyssh Ucheb Zaved, Geol i Razvedka,
No 6, 1964, pp 127-132.
JPRS 27107

USSR
Soc
Jan 65

270,686

A Book About the Organization and Planning of
Geological Prospecting Work, by G. P. Sinyagin, 5 pp.
RUSSIAN, per, Iz Vyssh Ucheb Zaved Geol i Razvedka,
No 6, 1964, pp 135-137.
JPRS 27017

Sci - ES & Astron
Nov 64

268,834

Hydraulic Percussion Drilling as a Means of
Reducing the Severity of Deviation in Wells,
by L. Graf, et al,
RUSSIAN, per, Izv. VUZ Geol. i Razvedka,
Vol VII, No 9, 1964, pp 109-113.
ATS RJ-4522

Sci-
Apr 67

321,584

The Efficiency of Blasts Near the Ground Surface
in Seismic Prospecting, Exemplified by Volgogradskaya
Oblast, by V. B. Leviant, 27 pp.
RUSSIAN, per, Iz Vyssh Ucheb Zaved, Geol i Razvedka,
No 10, 1964, pp 123-140.
JPRS 28095

Sci - ES & A
Feb 65

~~272,707~~
272,707

Increasing the Efficiency of Rotary-
Percussion Drilling Devices, by I. G.
Shelkovnikov.
RUSSIAN, per, Izvestiya VUZ Geologiya i
Razvedka, Vol 7, No 11, 1964, pp 114-123.
ATS-82S88R

Sci-Mech Indus Civ Mar Engr
Nov 66 313,568

The Genus *Allorismiella* Gen. Nov. in the
Lower Carboniferous of the Moscow Basin,
by K. A. Astaf'eva-urbaitis.
RUSSIAN, per, Izvestiya Vysshikh Uchebnykh
Zavedenii Geologiya i Razvedka, 1964, No 12,
pp 35-43.
NLI RTS 2687 (On Loan or Purchase)

Aug 65

288,839

Modeling Problems in Underground Electrical
Geophysical Prospecting by the Resistance
Method, by Ya. Sabo, I. Barani, 10 pp.
RUSSIAN, per, Izvestiya Vysshikh Uchebnykh
Zavedeniy, Geologiya i Razvedka, No 12,
Dec 1964, pp 103-109.
JPRS 28743

Sci-Earth Sciences & Astronomy
Mar 65

275,835

Experience in Conducting Electrical Geophysical Prospecting in Searching for Ground Water Under Complex Geological Conditions, by L. A. Dobrovolskiy, 9 pp.
RUSSIAN, per, Izvestiya Vysshikh Uchebnykh Zavedeniy, Geologiya i Razvedka, No 12, Dec 1964, pp 110-115.
JPRS 28742

Sci-Earth Sciences & Astronomy
Mar 65

275,836

R-900

(DC-2534).

Reducing the Number of Chemical Analyses
During Assaying at ~~the~~ gold Deposits, by
G. I. Vilesov, 12 pp.

RUSSIAN, per, Iz Vysshikh Uchebnykh Zavedeniy,
Gornyy Zhur, No 3, 1958, pp 43-52.
Sverdlovsk,

US JPRS-L-1705-D

Sci - Min/met
Jun 59

89,186

{NY-3001/5).

Improvement of the Technological Systems of
Concentrating Nonferrous Metals in Connection With
a Study of Their Material Composition, by V. M.
Arashkevich, 9 pp.

RUSSIAN, per, Iz Vys Ucheb Zaved, Gornyy Zhur, No 6,
1958, pp 130-135.

JPRS-2267

109,363

USSR
Econ - Technological
Mar 60

Ryashentsev, N. P.
DIE DYNAMIK DES MAGNETISCH ARBEITENDEN
ABBAUHAMMERS MS-3 (Dynamics of Solenoid
Bulking Hammers of the Type MS-3). 4p. (text in
German).
Order from T.I.B. \$1.40

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii.
Gornyi Zhurnal (USSR) 1959, no. 1, p. 195-198.

DESCRIPTORS: Mining engineering. *Hammers.
Solenoids.

62-27025

- I. Ryashentsev, N. P.
- II. T.I.B.
- III. Technische Informations-
bibliothek Hannover

Office of Technical Services

Alabuzhev, P. M., Ryashentsev, N. P., and
Timoshenko, E. M.
UNTERSUCHUNG SCHLAGEND MIT ELEKTROMAG-
NETEN ARBEITENDER HAMMER (Tests on Solenoid
Hammers). 8p. (text in German).
Order from T.I.B. \$1.55

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii.
Gornyi Zhurnal (USSR) 1959, no. 2, p. 89-97.

DESCRIPTORS: Mining engineering, Solenoids,
*Hammers.

62-27002

I. Alabuzhev, P. M.
II. Ryashentsev, N. P.
III. Timoshenko, E. M.
IV. T.I.B.
V. Technische Informations-
bibliothek Hannover

Office of Technical Services

(NY-4792).

On the Direction of Degassing Bore Holes in
Steeply Pitching Beds, by Ye. A. Litvinenko,
6 pp.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Gornyy
Zhur, No 10, 1959, pp 56-58.

JPRS 5797

Sci - Engr
18 Oct 60

128,689

(NY-4792)

Distribution of Particles by Sizes in Dust
Aerosols, by A. S. Burchakov, 7 pp.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved,
Gor'nyy Zhur, No 10, 1959, pp 59-62.

JPRS 5804

Sci - Phys

Oct 60

128,995

Determining the Tensor of Pressure Buildup During
Blast by Experimental Seismic Investigation Data,
by M. A. Mikulinskiy, 8 pp.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Gornyi Zhur,
No 11, 1960, pp 69-72. 9207689

*AEC - UCRAL-Tr-936(L)

Sci - Earth Sci

19 Mar 63

Approximate Calculation of Pressure Wave Energy
Expenditures to Shattering, Displacement, and
Deformation of Solid Rocks, by A. E. Zhelezovoy,
8 pp.

RUSSIAN, per, Invest VUZ, Gornyi Zhur, No 2, 1960,
pp 50-54. 9210727

AEC-UCL-Pr-931(L)

Sci - Eng Sci O Astron

Aug 63

341, 353

Determining the Tensor of Pressure Buildup During
Elast by Experimental Seismic Investigation Data,
by M. A. Mikulinskiy, P. S. Mironov, 7 pp.

RUSSIAN, per, Izvest Vysah Ucheb Zavedeniy (Russia)
Gornyi Zhur, No 11, 1960, pp 69-72, 9207689.

AEC-UCRL-Tr-936(L)

Eci - Earth Sci

Jun 63

231, 721

Experimental Investigations of the Basic Parameters
of Hydraulic Haulage of Coal and Rock Mixtures in
Flumes, by A. I. Kuprin, 7 pp.

RUSSIAN, per, Iz Vysah Ucheb Zaved, Gornyi Zhur, No 1,
1961, pp 5-12. 9215307

OTS 63-11092
PL-480

Sci - M/M
Dec 63

243,954

Experimental Investigations on the Parameter of Joint
Hydraulic Transport of Coal and Rock in Flumes
(Eksperimental'nye Issledovaniia Osnevnykh Parametrov
Sovmestnogo Gidravlicheskogo Transporta Uglia i
Porody po Zhelobam), by A. I. Kuprin, T. Da-Dzhun.

RUSSIAN, per, Iz Vyssh Ucheb Zaved. Gornyi Zhur,
No 1, 1961, pp 23-24.

*PL-480

Sci -

Aug 63

Leonov, P. A.

SICHERE VERFAHREN ZUM LÖSCHEN BRENNENDER
BERGHALDEN (Effective Procedure for Quenching
Burning Spoil Banks).
Order from TIB \$1.10

Trans. from Izvestiya Vysshikh Uchebnykh Zavedeni.
Gornyi Zhurnal (USSR) 1961, no. 2.

DESCRIPTORS: *Fire extinguishers, *Mining
engineering

(Engineering--Safety, TT, v. 9, no. 11)

62-27277

I. Leonov, P. A.
II. Technische Informations-
bibliothek, Hannover
(West Germany)

Office of Technical Services

Rostovtsev, V. N.
UNTERSUCHUNG DER GESTEINSSTRUKTUR IM
GEBIRGSKÖRPER (Investigation of the Rock Structure
in the Mountain Massif).
Order from TIB \$1.80

Trans. in German of Izvestiya Vysshikh Uchebnykh
Zavedenii. Gornyi Zhurnal (USSR) 1961, no. 3, p. 53-58

DESCRIPTORS: *Rock, *Structure, Mountains

(Earth Sciences--Geology, TT, v. 9, no. 11)

62-27241

I. Rostovtsev, V. N.
II. Technische Informations-
bibliothek, Hannover
(West Germany)

Office of Technical Services

(NY-3000)

Economic Effectiveness of the Basic Production
Funds of Mining Enterprises, by D. G. Stadukhin,

RUSSIAN, per, I Iz Vysshikh Ucheb Zaved, Gornyy
Journal, No 3, 1961, pp 65-72.

Stadukhin
*JPRS

USSR

Econ

19 Dec 61

Ivashkin, V. F.
AUTOMATISCHE EINRICHTUNGEN ZUM VER-
SPRUEHEN VON WASSER (Automatic Devices for Water
Spraying).
Order from TIB \$1.30

Trans. in German of Izvestiya Vysshikh Uchebnykh
Zavedenii. Gornyi Zhurnal (USSR) 1961, no. 6,
p. 141-143.

DESCRIPTORS: *Automation, *Water, *Sprays

(Engineering, TT, v. 9, no. 11)

62-27242

I. Ivashkin, V. F.
II. Technische Informations-
bibliothek, Hannover
(West Germany)

Office of Technical Services

(NY-3000)

Determination of the Wastage and Depletion
of Ore in the Kommunar-Pobeda Shaft of the
Mine imeni F. E. Dzerzhinskiy, by V. V.
Kulikov, 10 pp.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved,
Gorniy Zhur, No 9, 1961, pp 70-76.

JPRS 11970

USSR
Econ
Jan 62

181, 191

The Effect of the Water Contained in Strata and
Coal Seams on the Gassiness of the Latter, by
I. M. Pechuk.

RUSSIAN per, Iz Vysshikh Ucheb Zaved, Gornyy Zhur,
Vol V, No 3, 1962, pp 38, 39.

MLL M. 3053

Sci Phys

Nov 62

217,533

The Gor'ki reservoir, by G. P. Koshevnikov,
RUSSIAN, per, Izvestiya Gosudarstvennogo Nauchno-
issledovatel' Skogo Instituta Ozerogo i
Rechnogo Khozyaistva, Vol 50, 1961, pp 51-61
NLL RTS 3021
(ON LOAN OR PURCHASE)

Sci - Biol
May 67

325,870

Calculation of Tandem Pulley Drive Systems
of Belt Conveyors, by U.I. Mikhail'lov.
RUSSIAN, per Izv. vyssh. uchebn. Zaved.,
Gornyi. Zh. No. 8, 1963, pp 54-60
SACSIR 492

Sci -
Aug 67

337-591

Davankov, A. B., Laufer, V. M. and others,
AN EXPERIMENT FOR EXTRACTING URANIUM
AND OTHER ELEMENTS FROM WATERS OF THE
ATLANTIC OCEAN. June 62, 13 refs.
Order from PS \$8.30

PS CR-4026

Trans. of Izv[estiya] V[ysshikh] U[chebnykh]
Z[avedeni]. Isvetnaya Metallurgiya (USSR) 1962
[v. 5] no. 2, p. 118-123.

DESCRIPTORS: *Uranium, Chemical elements,
*Water filters, Sea water, Atlantic Ocean, Solvent
extraction.

(Engineering-Chemical, TI, v. 8, no. 4)

62-17970

- I. Davankov, A. B.
- II. Laufer, V. M.
- III. PS CR-4026
- IV. Primary Sources, New York

Office of Technical Services

12 VUZ Khim i Khim Tekh

K. B. Yatsimirskiy

Study of the absorption spectra and determination of the dissociation constants of molybdic acid.

RUSSIAN, Izvestiya VUZ. Khimiya i khimicheskaya
technologiya, No 1, 1958, pp 53-58
C.E. trans 5897

sept 72

An Improved Method of Synthesis of
Triethylaluminum, by S. E. Kryukov, et al.
UNCL

RUSSIAN, per, Iz Vyschikh Uchebnykh Zavedeniy --
Khim i Khim Tekh, No 1, 1958, pp 86-93.

SLA 57-21312
D9IR LLU RTS 1268

(LL Os. Os.)

Sci - Chem
Nov 59

RTS-RE-2146

100,768

The Kinetics of Menshutkin ~~REACT~~ Reactions in Non-Aqueous Solvents, by N. K. Vorob'yev, G. F. Titova.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Khim i Khimichesk Tekh, No 2, 1958, pp 17-24.

NIL RIS 2020

076 42-1791

Sci - Chem
Jun 62

201, 013

Mazurin, O. V. and Levin, A. S.
THE PROBLEM OF THE CHOICE OF A RATIONAL
METHOD OF THE MEASUREMENT OF THE ELEC-
TRIC CONDUCTIVITY OF GLASSES (K Voprosu o
Vybere Ratsional'noi Metodiki Izmereniya Elektro-
provodnosti Stekol). [1963] [15p] (foreign text included)
4refs
Order from OTS, SLA, or ETC \$1.60 TT-64-10581

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii.
Khimiya i Khimicheskaya Tekhnologiya (USSR) 1958,
no. 2, p. 142-146. (Abstract available)

DESCRIPTORS: *Measuring devices (Electrical and
Electronic), *Electrical conductance, *Glass,
Resistance (Electrical), Electrodes, Graphite, Test
methods.

The resistivity of glasses was measured with graphite
electrodes (at high resistances D. C. was used, and at
(Materials--Ceramics, TT, v. 11, no. 10) (over)

TT-64-10581

I. Mazurin, O. V.
II. Levin, A. S.

Office of Technical Services

The Thermal Stability of Strongly Acidic Sulphonated Cationites. II. On the Influence of Thermal Treatment on Some Physico-Chemical Properties of the Hydrogen Form of Cationites KU-1 and KU-2, by N. G. Polyanskiy. UNCL

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Khim i Khim Tekh, No 2, 1958, pp 152-159.

DSIR LLU M.858

CTS 60-13 664

Sci - Chem

(loan)

111,145

Mar 60

Investigation of the Thermomechanical
Properties of Stereo-Regular Polypropylene,
by Z. A. Rogovin, B. M. Kovarskaya. UNCL

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Khim i
Khim Tekh, No 2, 1958, pp 301-364.

DSIR LLU M.827

(loan)

111/132

Sci - Chem

Mar 60

Mazurin, O. V.

SIMILARITY OF THE DEPENDENCE OF ELECTRO-
CONDUCTIVITY AND VISCOSITY OF GLASSES (O
Skhodstvo Temperaturnykh Zavisimostei Elektro-
provodnosti i Vязkosti Stekol). [1962] [14]p. (foreign
text included) 19 refs.

Order from OTS or SLA \$1.60

62-16679

Trans. of [Izvestiya Vysshikh Uchebnykh Zavedenii].
Khim[iya] i Khim[icheskaya] Tekhnol[ogiya] (USSR)
1958, no. 3, p. 136-141.

DESCRIPTORS: *Glass, Electrical conductance, Vis-
cosity, Statistical functions.

All the experimental material found in the world litera-
ture indicates that the following relationship is typical
for glasses: $x^0 \cdot \eta = C$ where η and C are con-
stants. Study of this relationship makes it possible for
us to draw certain conclusions on energy correlations in
(Materials--Ceramics, TT, v. 9, no. 2) (over)

62-16679

I. Mazurin, O. V.

Office of Technical Services

On ~~the~~ Multinuclear Chlorides of Niobium and
Tantalum, by E. I. Krylov, 6 pp.

RUSSIAN, per, Is Vysshikh Ucheb, Zaved Khim i
Khim Tekh, No 4, 1958, pp 676-679.

AEC NP Tr-543

Sci - Chem
May 61

150,367

Sodium Phenylacetate as an ~~XXXX~~ Inhibitor of
Corrosion of Metals in Neutral Media, by
E. V. Bogatyreva, S. A. Balezin, 8 pp.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Khim i
Khim Tekhnol, Vol II, No 1, 1959, pp 25-29.

ATS-RI-2731
ATS-48437R

Sci

170,090

Oct 61

61-15220

Spryskov, A. A. and Potapova, T. L.
STUDIES IN SULPHONATION. I. DETERMINATION
OF THE ISOMERS OF TOLUENEDISULPHONIC
ACIDS (Izucheniye Reaktivov Sul'firovaniya. I. Opre-
deleniye Izomernykh Disul'fokislot Toluola). Nov 60
[7]p. 6 refs. RTS 1578.
Order from LC or SLA m\$1.80, ph\$1.80 61-15220

Trans. of Izvestiya Vysishikh Uchebnykh
Zavedeniy. Khimiya i Khimicheskaya Tekhnologiya
(USSR) 1959 [v. 2] no. 1, p. 41-45.

Semi-quantitative solubility data are given for the
salts of 18 amines with 2, 4-, 2, 5- 2, 6- and 3, 5-
toluenedisulphonic acids. The melting point diagram
of the binary system 2, 4- and 3, 5-toluenedisulphonic
chlorides is given. A quantitative method for the de-
termination of 2, 4-, 2, 5-, 2, 6- and 3, 5-toluene-
disulphonic acids mixed with one another and with
sulphuric acid has been developed. The maximum
error in the content of any isomer is about 1-1.5%
of the total disulphonic acids. (Author)

1. Toluene--Chemical reactions
2. Sulfonic acids--Determination
3. Title: Sulphonation
- I. Spryskov, A. A.
- II. Potapova, T. L.
- III. Title: Determination...
- IV. RTS-1578
- V. Department of Scientific
and Industrial Research
(Gt. Brit.)

148, 733

DOI. 224 FTS 1578

Office of Technical Services
(Chemistry--Analytical,
TT, v. 5, no. 7)

Terent'ev, A. P., Fedoseev, P. N., and Ivashova,
N. P.

THE USE OF ALKALINE EARTH METALS IN
ORGANIC ELEMENTAL ANALYSIS, 21 Jun 63 [9p] 17 refs
Order from OTS or SLA \$1.10 63-18917

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii.
Khimiya i Khimicheskaya Tekhnologiya (USSR)
1959, v. 2, no. 1, p. 54-58.

DESCRIPTORS: Chemical analysis, Organic compounds,
*Nitrogen, *Sulfur, *Halogens, *Carbon, *Calcium,
*Magnesium, *Alkaline earth metals, Quantitative
analysis.

The purpose of the paper is to describe methods for the
qualitative determination of nitrogen, sulfur, and
halogens in organic compounds by heating with metallic
magnesium or calcium, and for the determination of
(Chemistry--Analytical, TT, v. 10, no. 10) (over)

63-18917

I. Terent'ev, A. P.
II. Fedoseev, P. N.
III. Ivashova, N. P.

Office of Technical Services

Uchnovskii, G. L. and Chernobat, A. V.
POLYMERIZATION OF CYCLOPENTADIENE. [1961]

Sp 10 refs.

Order from OTS or SLA \$1.10

61-20640

Transl. of Izvestiya Vysshikh Uchebnykh Zavedenii
Khimiya i Khimicheskaya Tekhnologiya (USSR) 1959,
no. 2, (20), pp. 96-101.

DESCRIPTORS: *Cyclopentadiene, Pentadienes, *Poly-
merization, Boron compounds, Fluorides, Catalysts,
Catalysts, Polymers.

It is established that the most effective catalysts for
the polymerization of cyclopentadiene are the complexes
of boron trifluoride with organic substances (alcohols,
simple and complex ethers). The effect of various
factors (the concentration of the catalyst and monomer,
nature of the solvents) on the polymerization process
(Chemistry--Organic, TT, v. 7, no. 3) (over)

61-20640

I. Uchnovskii, G. L.
II. Chernobat, A. V.

Office of Technical Services

Ermilov, P. I.
DIE ANWENDUNG NICHT IONOGENER NETZMITTEL
ZUR ENTSTAUBUNG VON GASEN (The Application of
Non-Ionogenic Wetting Agents for Dust Exhaust of
Gases). 17p.
Order from TIB \$2.70

Trans. in German of Izvestiya Vysshikh Uchebnykh
Zavedeni. Khimiya i Khimicheskaya Tekhnologiya
(USSR) 1959, v. 2, no. 1, p. 134-140.

DESCRIPTORS: Ions, *Wetting agents, Particles,
*Gases, Cleaning.

(Engineering--Chemical, TT, v. 10, no. 8)

63-27537

I. Ermilov, P. I.
II. Technische Informations-
bibliothek, Hannover
(West Germany)

Office of Technical Services

Affinity of Bentonite Treated With Amines for
Water, by R. A. Nikhalyuk, O. D. Kusilenko.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved SSSR, Khim i
Khim Tekh, No 2, 1959, pp 196-199.

NCB A.1877

S.836

ALL 171.3259

Sci

Aug 61

List No 41

163,557

IZVESTIYA VYSSHIKH UCHEBNYKH ZAVEDENIY KHIMIYA I
KHIMICHESKAYA TEKhnOLOGIYA

1959 V2 P231-237

1963 V6 N3 P498-503

1964 V7 P665-668

1964 V7 N1 P169-170

AEC-TR-6939 <=>

HTS-5570 <MLL>

70-13521-07A <=>

70-11881-210 <=>

ORDER FROM NTC

Thermal Decomposition of Certain Nitrates, by M. M.
Karavayev, I. P. Kirillov, 6 pp.
RUSSIAN, per, Izvest Vysshikh Ucheb Zaved, Khim i
Khim Tekh, Vol II, No 2, ~~1958~~ 1959, pp 231-237. 9218742

AERE-Harwell-Tr-960

Sci-Nucl Sci
Feb 64

NLL (LOAN) REF: 9091.9 1963

248,920

P 911201768-V AEC-TR-6939
July 1968

The Part Played by Manganese in the Electrolytic
Deposition of Zinc, by R. S. Vakhidov, G. Z.
Kir'yakov.

RUSSIAN, per, Iz Vysshikh Ucheb. Zaved., Khim i
Khim Tekh, No 2, 1959, pp 238-243.

DSIR LLU RTS 1626

OTS 61-15866

169,840

Sci - Chem

Oct 61

Kharitonova, V. P., Babenkov, L. N., Pakshver, A. B.

THE EFFECT OF THE AMOUNT OF COMBINED ACETIC ACID IN CELLULOSE ACETATE ON THE FILTERABILITY AND SPINNABILITY OF COMMERCIAL DOPES [Vliyaniye Soderzhaniya Svyazannoi Uksusnoi Kisloty v Atsetilsellyuloze na Fil'truemost' i Proizvodnost' Proizvodstvennykh Rastvorov]. [1962] 5p. Order from ATS 57.75

ATS-83P60R

trans. of [Russian] [Vysokaya Tekhnika] Zhurnal. Khimicheskaya Tekhnika [Chemical Technology (USSR)] 1969, v. 2, no. 2, p. 254-257.

DESCRIPTION: *Acetic acid; *Cellulose acetate; solution; *Dopes; Acetates; *Acids; Processed.

(Materials--Textiles, IT, v. 8, no. 4)

62-17759

- I. Kharitonova, V. P.
- II. Babenkov, L. N.
- III. Pakshver, A. B.
- IV. ATS-83P60R
- V. Associated Technical Services, Inc., East Orange, N. J.

Office of Technical Services

The Solubility of Inorganic Salts in Organic
Solvents and in Their Mixtures with Water, by
I. S. Pekhtashev, S. A. Vornesenskiy, 10 pp.

RUSSIAN, per, Izv Vysshikh Ucheb Zaved Khim i Khim
Tekhnol, No 2, 1959, pp 827-833.

AEC-Tr-5574

Sci - Chem

Jun 63

232,404

Photocolorimetric Determination of Antimony in
Zinc Electrolytes and Alloys, by N. N. Kovalenko,
N. P. Moricheva.

RUSSIAN, per, Iz Vysishikh Ucheb Zaved Khim i Khim
Tekh, Vol II, No 3, 1959, pp 322-327.

NLL RTS 2128

Sci - Ex Phys
Mar 63

226,646

Thermodynamic Properties of Mercury Compounds, by
P. G. Maslov,

RUSSIAN, per, Iz Vysshikh Ucheb Zavedeni Khim i
Khim Tekhnol, No 3, 1959, pp 335-339.

AEC Tr-4013

Sci - Chem

May 60

117,369

62-18900

Borisov, A. F. and Dertev, N. K.
ELECTROCHEMICAL METHOD OF INVESTIGATING
THE BOILING PROCESS OF GLASS (Elektrokhim-
cheskii Metod Issledovaniya Protsessa Varki Stekla).
[1962] [9]p. (foreign text included) 8 refs.
Order from OTS or SLA \$1.10

62-18900

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii.
Khimiya i Khimicheskaya Tekhnologiya (USSR) 1959,
v. 2, no. 3, p. 420-423.

DESCRIPTORS: *Glass, Melting, Electrochemistry.
Additives, Viscosity.

(Materials--Ceramics, TT, v. 9, no. 7)

I. Borisov, A. F.
II. Dertev, N. K.

Office of Technical Services

Zanemonets, N. A. and Fogel', V. O.
A NEW METHOD OF DETERMINATION OF THE
HEAT EFFECTS OF THE VULCANIZATION RE-
ACTION OF RUBBERS, tr. by G. F. Hill, 20 Jan 62
[12]p. 8 refs. AOMC Trans, nr 5-62.
Order from OTS or SLA \$1.60

62-15513

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii.
Khimiya i Khimicheskaya Tekhnologiya (USSR) 1959
[v. 2] no. 3, p. 437-442.

DESCRIPTORS: *Thermodynamics, *Vulcanization,
*Rubber, Heat, Kinetic theory, Combustion, Thermal
conductivity, Calorimetry.

A new method is proposed for the determination of the
heat effects of the vulcanization reaction by means of
composing heat balances on the basis of thermo-
graphic analyses (method of thermographic balances).
The new method was verified in the investigation of
(Materials--Rubber, TT, v. 8, no. 10) (over)

62-15513

- I. Zanemonets, N. A.
- II. Fogel', V. O.
- III. AOMC Trans-5-62
- IV. Army Ordnance Missile Com-
mand, Redstone Arsenal, Ala.

Office of Technical Services

Thermal Decomposition of Coal Tar Pitches,
by A. E. Chistyakov. UNCL

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Khim i
Khim Tekh, No 3, 1959, pp 449-453.

DSIR LRU M.1326

(loan)

Sci - Fuels

Apr 60

112,695

Selivanova, N. M. and Sneider, V. A.
THE PHYSIOCCHEMICAL PROPERTIES OF SELE-
NATES. V. THE HEAT OF FORMATION OF CAL-
CIUM SELENATE FROM THE ELEMENTS. [1961]
[7]p. 20 refs.

Order from OTS or SLA \$1.10

61-27877

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii.
Khimiya i Khimicheskaya Tekhnologiya (USSR) 1959,
v. 2, no. 4, p. 475-479.

DESCRIPTORS: *Heat of formation, *Heat of reaction,
*Heat of solution, Silver compounds, Nitrates, Cal-
cium compounds, *Selenates, Water, Thermochemistry.

The heat of the reaction between calcium selenate and a
silver nitrate solution was determined and the integral
heat of solution of calcium selenate dihydrate in water
(1:1600) was measured under standard conditions. The
(Chemistry--Physical, TT, v. 6, no. 10) (over)

61-27877

I. Selivanova, N. M.
II. Sneider, V. A.
III. Title: Heat ...
IV. Translations, New York

61-27877

Office of Technical Services

Thermal and Tensimetric Study of the System
 $\text{NOCl}_5\text{-FeCl}_3\text{-NaCl}$, by I. S. Morozov, B. G. Korshunov,
6 pp.

RUSSIAN, per, Iz Vysishikh Ucheb Zaved, Khim i Khim
Tekh, Vol II, No 4, 1959, pp 485-489.

ATB-27/42R

ATS/RJ-2553

190,250

Sci

Apr 62

Vol IV, No 6

Maslov, P. G. and Maslov, Yu. P.
THE THERMODYNAMIC PROPERTIES OF COM-
POUNDS CONTAINING LANTHANITES. [1961] [7]p.
14 refs.
Order from OTS or SLA \$1.10

61-27885

Trans. of [Izvestiya Vysshikh Uchebnykh Zavedenii].
Khimiya i Khimicheskaya Tekhnologiya (USSR)
[1959] v. 2, no. 4, p. 516-521.

DESCRIPTORS: *Thermodynamics, Crystals, Crystal
structure, Solutions, Entropy, Heat of formation,
*Lanthanites, Halides, Rare earth compounds,
Ammino compounds.

Thermodynamic properties were calculated for 95
mixed halide lanthanites in the crystalline state and for
the standard solution. A general relationship was found
for determining the thermodynamic characteristics for
a series of families of crystalline lanthanites of the
(Physics--Thermodynamics, TT, v. 6, no. 11) (over)

61-27885

I. Maslov, P. G.
II. Maslov, Yu. P.
III. Translations, New York

188735

Office of Technical Services

Investigation of the Interaction of Minerals
Containing Alkali Elements With Salts and
Oxides in Sintering and Melting Processes. II.
Thermographical Investigation of the Interaction
Process of Pollucite With Calcium Oxide and
Calcium Chloride, by V. Ye. Plyushchev, I. V.
Shakhno.

RUSSIAN, per, Iz Vyssh Ucheb Zaved, Khim i Khim
Tekhnol, Vol II, No 4, 1959, pp 582-588.

SLA 60-17596

Dept of Interior
TN7, E57, No 329

SCI - Chemistry
Oct 60

128,662

Selivanova, N. M. and Schneider, V. A.
THE PHYSIOCHEMICAL PROPERTIES OF
SELENATES. VI. THE SOLUBILITY OF CALCIUM
SELENATE IN WATER AT DIFFERENT TEMPERA-
TURES. [1961] [8 p. 23 refs.
Order from OTS or SLA \$1.10

61-27884

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii.
Khimiya i Khimicheskaya Tekhnologiya (USSR) 1959
[v. 2] no. 5, p. 651-656.

DESCRIPTORS: Solubility, Water, *Heat of solution,
Entropy, Thermodynamics, Thermochemistry,
Calcium compounds, *Selenates.

The polytherm of the solubility of $\text{CaSeO}_4 \cdot 2\text{H}_2\text{O}$ in
water was investigated from the cryohydrate point to
the boiling point of the saturated solution. The experi-
mental data obtained were used for calculating the dif-
ferential and integral heats of solution of this salt. The
(Chemistry--Physical, TT, v. 6, no. 10) (over)

61-27884

- I. Selivanova, N. M.
- II. Schneider, V. A.
- III. Title: Solubility...
- IV. Translations, New York

1575

Office of Technical Services

CATALYTIC EFFECTS OF QUATERNARY AMMONIUM
SALTS ON THE RATES OF MENSHTKIN TYPE REACTIONS
IN ORGANIC SOLVENTS, BY N. K. VOROB'YEV,
G. F. TITOVA.

RUSSIAN, PER, IZ VYSSHIKH UCHEB ZAVED:
KHIM I KHIMICH TEKH, VOL 11, 1959, PP 685-692.

NLL RTS 2021

SCI - CHEM

JUN 62

199,896