

(NY-6033)

Physicochemical Investigations of Barium and Iron
Titanates, by M. I. Shchepochkina, 96 pp.

RUSSIAN, paper, Trudy Instituta Geologii Rudnykh
Mestorozhdeniy, Petrografii, Mineralogii i
Geokhimii, No 11, pp 1-62.

JPRS 9645

Sci - M/Metals - Chem

Aug 61

2
168053

Ovchinnikov, L. N. and Shur, A. S.
RESEARCH OF INFILTRATION SOLUTIONS UNDER
PRESSURE (Issledovanie Infil'tratsii Rastvorov pod
Davlaniem). [1962] [59]p. (foreign text included)
12 refs.
Order from OTS or SLA \$5.60

62-16421

Trans. of Akademiya Nauk SSSR. Institut Geologii
Rudnykh Mestorozhdenii, Petrografii, Minealogii i
Geokhimi. Trudy, 1956, no. 6, p. 57-72.

DESCRIPTORS: *Geochemistry, Solutions, Metals,
*Porous filters, Marble, Semipermeability, Pres-
sure, Ion exchange.

With the aid of special apparatus, the filtration effect
was studied for the solutions CuSO_4 , CaSO_4 , MgSO_4 ,
 MnSO_4 , NiSO_4 , Na_2SO_4 , CaCl_2 , and NaCl , filtrating
through a marble filter under a pressure of 2, 4, 6,
and 8 atm. With an increase in pressure there is also
(Chemistry--Physical, TT, v. 8, no. 9) (over)

62-16421

I. Ovchinnikov, L. N.
H. Shur, A. S.

Office of Technical Services

Ol'shanski, Ya. I. and Ivanenko, V. V.
MECHANISM OF THE TRANSFER OF SUB-
STANCES IN THE FORMATION OF HYDROTHER-
MAL SULFIDE DEPOSITS (Mekhanizm Perenosa
Veshchestv pri Obrazovanii Gidrotermal'nykh
Mestorozhdenii Sul'fidov). [1961] [116]p. (31 figs.
19 tables omitted) 4 refs.
Order from OTS or SLA \$9.60

61-15963

Trans. of [Akademiya Nauk SSSR, Institut Geologii
Rudnykh Mestorozhdenii, Petrografi, Mineralogi i
Geokhimi. Trudy] 1958, no. 16, 76p.

DESCRIPTORS: Solubility, *Sulfides, Solutions,
Temperature, Geology, Hydrology, Crystallation.

Experimental investigations were made on the solu-
bility of the principal sulfides in aqueous solutions at
different temperatures. It was confirmed that the
(Earth Sciences--Geology, TT, v. 7, no. 8) (over)

61-15963

I. Ol'shanski, Ya. I.
II. Ivanenko, V. V.
III. Geological Survey of
Canada

201394

Office of Technical Services

61-19564

TRANSACTIONS OF THE INSTITUTE OF GEOLOGY
FOR ORE DEPOSITS, PETROGRAPHY, MINERALOGY
AND GEOCHEMISTRY. [1959] no. 28: [SELECTED
ARTICLES]. [1961] 223p. (figs. tables omitted).
Order from OTS or SLA \$15.00

61-19564

Trans. of [Akademiya Nauk SSSR] Institut Geologii
Rudnykh Mestorozhdenii, Petrografi i Mineralogi i
Geokhimi. (Trudy, 1959] no. 28, p. 5-137 and
142-148ff.

DESCRIPTORS: *Geology, *Geochemistry, *Minerals,
*Ores, *Deposits, Salts, Selenium, Uranium,
Garnet, Tin, Lead, Ethylenedinitrilo tetracetates,
Acetates, Sodium, Complex compounds,
Radiochemistry.

Contents:

Some problems of the geochemistry of the catagenesis
(Earth Sciences--Geology, TT. v. 7, no. 2) (over)

1. Title: Trilon B
1. Geological Survey of
Canada

155358

Office of Technical Services

Role of Studies of Structures of Ore Deposits and
Physicomechanical Properties of Rocks in Determining
Conditions of Localization of Endogenic Ores, by
F. I. Vol'fson, L. I. Lukin. 7 pp.

RUSSIAN, per, Trudy Akad Nauk SSSR, Inst Geol
Rudnykh Mestorozhdenii, Petrografii, Mineralogii i
Geokhimii, No 41, 1961, pp 5-14.

AGI in International Geology Review, Vol 6, No 4,
pp 589-595.

Sci/Earth Sci
May 67

326,777

Principal Types of Structures in Ore Fields and
Ore Deposits of the South Fergana Mercury-Antimony
Belt, by V. P. Fedorchuk. 15 pp.

RUSSIAN, per, Trudy Akad Nauk SSSR. Institut
Geologii Rudnykh Mestorozhdenii, Petrografii,
Mineralogii i Geokhimii, No 41, 1961, pp 15-36.

AGI in International Geology Review, V 6, No 4,
pp 596-611

Sci/Earth Sci
May 67

326,754

On Certain Relationships in the Distribution of
Rare Metal Pegmatite Fields, by A. I. Ginzburg.
8 pp.

RUSSIAN, per, Trudy Akad Nauk SSSR. Institut
Geologii Rudnykh Nestorozhdenii, Petrografii,
Mineralogii i Geokhimii, No 41, 1961, pp 37-47.
AGI in International Geology Review, V 6, No 4,
pp 612-619

Sci/Earth Sci
May 67

326,755

Structure of Kumba Gabbroid Massif and the Associated Magnetite Mineralization (Northern Urals),
by E. V. Sveshnikova. 16 pp.
RUSSIAN, per, Trudy Akad Nauk SSSR. Inst Geol
Rudnykh Mestorozhdenii, Petrografii, Mineralogii i
Geokhimii, No 41, 1961, pp 48-66.
AGI in International Geology Review, Vol 6, No 5,
pp 768-783.

Sci/Earth Sci
May 67

326,773

A New Morphologic Type of Skarn Formation in the
Tur'yinsk Copper Deposits, by G. S. Norshtein.

5 pp.

RUSSIAN, per, Trudy Akad Nauk SSSR. Institut Geologii
Rudnykh Mestorozhdenij, Petrografii, Mineralogii i
Geokhimii, No 41, 1961, pp 67-72.

AGI in Internat. Geology Review, V.6, No 5, pp 763-767

Sci/Earth Sci
May 67

326,765d

Structural Features of the Shakhtamin Molybdenum
Deposit, by V. I. Sotnikov. 10 pp.
RUSSIAN, per, Trudy Akad Nauk SSSR. Inst. Geol.
Rudnykh restorozhdenii, Peterografii, Mineralogii
Geokhimii, No 41, 1961, pp 73-87.
AGI in International Geology Review, Vol 6, No 5,
pp 789-798.

Sci/Earth Sci
May 67

326,771

Relative Elasticity of Rocks as a
Controlling Factor in Ore-Deposition,
by G. G. Kravchenko, 10 pp.
RUSSIAN, per, Trudy Akademii Nauk
SSSR. Institut Geologii Rudnykh
Mestorozhdenii, Petrografii Mineralologii
i Geokhimi, No 4, 1961, pp 158-170.
AGI in International Geology Review,
v. 6, no. 11, pp 1977-1986

336,290

Sci
Aug 67

Changes in the Porosity of Host Rocks
in Certain Ore Deposits of Northern
Tadzhikistan, by Yu. A. Rozanov, B. V.
Kristal'nyi, E. M. Nekrasov, M. D.
Pushkovskaya, 6 pp.
RUSSIAN, per, Trudy Akademii Nauk SSSR,
Institut Geologii Razvika Mestorozhdenii,
Stratigrafii Mineralologii i Geokhimii,
No 41, 1961, pp 171-177.
AGI in International Geology Review,
v. 6, no. 11, pp 1987-1992.

Sci
Aug 67
8

336, 291

Studies of Fine Fissuring in Detailed
Mapping and an Examples of "Ore-Knots"
in Primor'ye, by I. N. Tomson, 5 pp.
RUSSIAN, per, Trudy Akademii Nauk
SSSR. Institut Geologii Rudnykh
Mestorozhdenii, Petrografii Mineralogii
i Geokhimii, No 41, 1961, 178-183.
AGI in International Geology Review,
v. 6, no. 11, pp 1993-1997

336,283

Sci
Aug 67

Stratification of Sedimentary Rocks: Selected
Parts., by L.N.Botvinkina.

RUSSIAN, per, Trudy Akad Nauk SSSR, Inst Geol
Rud Mest, Petro, Miner i Geokhimi, 1962, no. 59,
pp. 18-29-, 70-103.
OTS-TT-64-19833

E.Sci
Aug 66

308,630

The Content of Mercury in Certain Natural Waters,
by N. Kh. Aydin'yan, 10 pp.
RUSSIAN, per, Trudy Inst Geol Rudnykh
Mestorozhdeniy, Petrograf, Mineralog, i Geokhim-
Voprosy Geokhim, No 70 (III), 1962, pp 9-14.
JPRS 23931

Sci - Ear Sci
Apr 1964

253, 7869

Estimation Stocks of Young Gobies in the
Sea of Azov, by T. S. Bondarenko, V. K.
Rashchepurin.

RUSSIAN, per, Trudy. Azovskii Nauchno-Iss-
ledovatel'skii Institut Rybnogo Khozyaystva.
No 6, 1963, pp 111-7.
MLL RTS-3112

331, 523

Sci - Earth Sciences & Oceanography
Jul 67

The Problem of Mercury Migration in the Supergene
Zone, by A. A. Saukov, N. Kh. Aydin'yan, et al, 14 pp.
RUSSIAN, per, Trudy Inst Geol Rudnykh Mestorozhdeniy,
Petrograf, Mineralog, i Geokhim, -- Voprosy Geokhim,
No 70 (III), 1962, pp 20-30.
JPRS 239321

Sci - Ear Sci
apr 64

253, 770

The Feldspars, Phase Relations, Optical Properties, and Geological Distribution, by
A. S. Marfumin,
RUSSIAN, per, Trudy Instituta Geologii Rudnykh
Izvestorozhdeniy, Petrografi, Mineralogi i
Geokhimi, No 78, 1962, 259 pp.
CISTI TT 65-50091

Sci-Ear Sci
Oct 66

313,091

Determination of Small Quantities of Mercury in Natural
Objects, by N. Kh. Aydin'yan, 26 pp.
RUSSIAN, per, Trudy Inst Geol Rudnykh Mestorozhdeniy,
Petrograf, Mineralog, i Geokhim, No 46, pp 98-108.
JPRS 23931

Sici Ear Sci
Apr 64

253, 767

Some Data on the Transition of Mercury in a Solution
With the Interaction of Cinnabar, Metallic Mercury
and Mercuric Sulfide With Distilled and Natural Water,
by nN. Kh. Aydin'yan, 7 pp.
RUSSIAN, per, Trudy Inst Geol Rudnykh Mestorozhdeniy,
Petrograf, Mineralog, i Geokhim, No 46, pp 109-111.
JPRS 23931

Sci - Ear Sci
Apr 64

253, 2768

Problem of the Distribution of Mercury in Modern
Deposits, by N. Kh. Aykin'yan, N. A. Ozerova, et al,
10 pp.
RUSSIAN, per, Trudy Inst. Geol. Rudnykh Mestorozhdeniy,
Petrograf. Mineralog. i Geokhimiya/1963, pp 5-11.
JPRS 23931

no 99,

Sci - Ear Sci
Apr 64

253, 772

Problem of the Hypergenic Migration of Mercury, by
N. Kh. Aydin'yan, G. A. Belayskaya, 5 pp.
RUSSIAN, per, Trudy Inst Geol Rudnykh Mestorozhdeniy,
Petrograf, Mineralog, i Geokhim, 1963, pp -12-15.
JPRS 23931

7099

Sci - Ear Sci
Apr 64

253, 771

On the Distribution of Mercury in the Rocks and
Minerals of the Khibinskiy Massif, by
N. Kh. Aydin'yan, L. L. Shilin, et al, 13 pp.
RUSSIAN, per, Trudy Inst Geol Rudnykh Mestorozhden-
iy, Petrograf, Mineralog. i Geokhimiya, 1963, pp 16-25.
JPRS 23931

7699,

Sci - Ear Sci
Apr 64

253, 773

Types of Ore Indicators Used in Prospecting for
Hidden Mercury Antimony Deposits, by V. P. Fedorchuk,
17 pp.
RUSSIAN, per, Trudy Inst Geol Rudnykh Mestorozhdeniy,
Petrograf, Mineralog, i Geokhim, 1963, pp 26-38.
JPRS 23931

1699,

Sci - Ear Sci
Apr 64

253, 774

Isotopic Composition of Sulfur in Rock and Minerals
of the Nikitva Mercury Deposits in the Donbass, by
V. I. Vinogradov, 16 pp.

RUSSIAN, per, Trudy Inst Geol Rudnykh Mestorozhdeniy,
Petrograf, Mineralog, i Geokhim, 1963, pp 154-164.
JPRS 23931

1099,

Sci - Ear Sci
Apr 64

253, 775

61-27803

Skopintsev, B. A., Guvin, F. A. and others.
CONTENT OF PRINCIPAL SALINE CONSTITUENTS
OF BLACK SEA WATER AND CERTAIN PROBLEMS
OF WATER CIRCULATION. [1961] [32]p. 28 refs.
Order from OTS or SLA \$3.60 61-27803

I. Skopintsev, B. A.
II. Guvin, F. A.
III. Translations, New York

Trans. from Akad[emiya] Nauk SSSR. Morskoi
Gidrofizicheskii Inst[itut. Trudy] 1958, v. 13.

DESCRIPTORS: *Black Sea water, *Salinity, Ocean
bottom, Chemical analysis.

At five points in the open Black Sea, from surface to
the sea floor, 55 water samples were collected to
determine their content of the principal saline consti-
tuents, in which connection the sum of Ca^{++} and Mg^{++}
as well as Ca^{++} separately were determined by the
complexometric method. Compared with oceanic
water, the mean values of the chlorinity ratios in the
(Earth Sciences--Oceanography, TT, v. 7, no. 9)
(over)

Office of Technical Services

Works of the Mining Institute, 1 pp.

RUSSIAN, bk, ~~MM~~ Trudy Instituta Gornogo Dela, Mosocw,
1954, Encl to IR-1819-55, AA Paris, Apr 1955. CIA
D 222999.

AF 664029

USSR

Sci - Minerals/Metals, mining

Econ - Industry

CHANGES IN THE FLOTATION PROPERTIES OF
SULPHIDE SURFACES AS A RESULT OF THE ACTION
OF GASES AND REAGENTS, BY I. N. PLASKIN, ET AL.

RUSSIAN, PER, TRUDY INSTITUTA GORNOGO DELA AK
NAUK SSSR, VOL 11, 1955, PP 193-205.

HLL RTS 1936

SCI - ENGR

JUN 62

L. I. / Q. T. 1955
747 157, 1955 x199x984x
199,958

Reducing Resistance In Curves in Pneumatic Fill
Installations, by I. F. Goncharevich, 32 pp.

RUSSIAN, per, Trudy Institut Gornogo Dela, Ak
Nauk SSSR, Vol III, 1956, pp 98-116.

SLA 60-15285

Sci
Vol III, No 11
Feb 62

(SF-2212)

I. N. Plaksin, 5 pp.

RUSSIAN, per, Trudy Institutita Gornogo Dela, No 6,
1960, pp 3-7.

JPRS 13882

USSR
Biog
Jun 62

The Mine Atmosphere.
RUSSIAN, per, Trudy Inst Gornogo Dela,
Ak Nauk SSSR, 1962, 261 pp.

*CFSTI

TT 66-51043

Sci - Earth Sci & Astron
Mar 66

Smirnova, N. V.
TYPES OF CEMENT IN SAND STONES AND SILT
STONES. 13 Nov 61, 24p. 24 refs.
Available on loan from SLA 63-10224

Trans. of Akademiya Nauk SSSR. Institut Geologii i
Razrabotki Goryuchikh Ispol'zovaniy, 1960, v. 1,
p. 247-259.

DESCRIPTORS: Rock (Geology). *Sandstone, Porosity,
Permeability, *Cements, Minerals, Bonding, Hydraulic
reservoirs, Petroleum, Gases, *Silt.

(Earth Sciences--Geology, TT, v. 9, no. 4)

63-10224

I. Smirnova, N. V.

Office of Technical Services

Characteristics of the Fissuring Process in
Coke, by E. M. Tait's. Z. S. Tyabina.

RUSSIAN, per, Trudy Ak Nauk SSSR Inst
~~Goryuchikh Iskopaemykh~~, Vol II, 1950,
pp 41-52.

CRL/T.745

Sci
Dec 62

Trudy A.K. Nauk SSSR Doryuch Iskopae.

Investigation in the Field of Humic Acids, by
T. A. Kukhareenko.

RUSSIAN, per, Trudy Inst Goryuch Iskopaemykh
Ak Nauk SSSR, Vol 11, 1950, pp 208-226.

Dept of Int,
Bur of Mines,
Br of Bituminous Coal Res,
Wash, D. C.

Sci - Chem
Nov 58

76,648

The Present State of our Knowledge of the Structure and Properties of Humic Acids in Mineral Coals, by T. Kukhareenko.

RUSSIAN, per, Trudy Instituta Gornychikh
Iskopaemykh, Vol V, 1955, pp 11-35.

CSIRO 3539

Sci - Min/Met, Fuels
Aug 62

207, 237

Study of the Chemical Composition of
Low-Temperature Coal Tar, by N. Edel'shtein,
V. Lamin.

RUSSIAN, per, Trudy Inst Goryuchikh
Iskopaemykh, Vol V, 1955, pp 144-155.

CSIRO 3543

Sci -Chem
Jul 62.

207,711

Investigation of Bituminous Coal Hydrogenation at
Pressures Exceeding 1000 Atmospheres, by
B. A. Kazanskiy, M. G. Gontsberg, 28 p.

RUSSIAN, per, Trudy Ak Nauk SSSR, Instit Goryuchikh
Iskopaemkh, 1955, Vol V, No 6, pp 3-15.

SLA 59-18347

Sci
Mar 60
Vol 3, No 1

119894

Study of Asphaltene of a Heavy Oil of the Hydro-
genation from Coal, by N. Edenskaya, 15 pp.

RUSSIAN, per, Trudy Inst Goryushikh Iskopanykh,
Vol VI, 1955, pp 35-42.

SLA R-3653

Sci

Aug 59

95,121

Shrinkage and Fracturing of Coke. (Theory of the
Process of Coke Formation), by E. M. Taitis, 19 pp.

RUSSIAN, per, Trudy Instituta Goryuchikh Iskopaniy,
Vol VI, 1955, pp 178-187.

Dept of Interior
Bu of Mines
Central Exper Sta
Pittsburgh, Pa.
Tr 474
SLA R-4383

103,020

Sci - Fuels
Dec 59

Scientific Principles of the Improvement of
the Quality of Coke, by K. I. Syskov.

RUSSIAN, per, Trudy Instituta Goryuchikh
Iskopaemykh, Vol VI, 1955, pp 188-197.

CSIRO 3584

Sci - Engr

Feb 62

186,572

Laws Governing Gasification With Steam and
Oxygen, by B. M. Derman.

RUSSIAN, per, Trudy Inst Goryuchkh Iskopaemykh,
Ak Nauk SSSR, Vol VII, 1957, pp 61-65.

Dept of Interior
TN7, E57, No 79

Sci - Chem, Fuels

Nov 59

100,444

The Petrographic Characteristics of Coals in Relation
to Their Use in the Coking Industry, by I. V.
Eremin.

RUSSIAN, per, Trudy Inst Goryuchikh Iskopanykh
Ak Nauk SSSR, Vol VIII, 1959, pp 14-20.

NCB A 1968

CFSTI TT 61-15962

168,575

BSSR

Econ

Sep 61

The Calculation of Coke-Oven Charges on the Basis of
the Petrographic Composition of Coals, by I. I.
Amosov, et al.

RUSSIAN, per, Trudy Inst Goryuchikh Iskopaemykh
Ak Nauk SSSR, Vol VIII, 1959, pp 21-30.

NCB A 1969

NLL M.3413 61-15962
CFSTH
68.579

Sci - Phys

Sep 61

Table of Contents
Continuous Coking of Coal, by N. G. Titov.

RUSSIAN, per, Trudy Inst Goriuchikh Iskopaemykh,
Ak Nauk SSSR, Vol X, 1959.

Dept of Interior
Bu of Mines
Br of Bituminous Coal Research
TN7, E57, No 242

Sci -

Mar 60

SLA 510-111

The Development of the Technology of the Continuous
Coking Coal and Investigation of the Raw Material
Basis for Its Application, by P. Z. Shubeko.

RUSSIAN, per, Trudy Inst Goryuchikh Iskopaemykh,
Vol X, 1959, pp 7-44.

RCB A.1957

NLL M.3354

168,584

Sci - Engr

Sep 61

The Large-Scale Laboratory Model Apparatus of the
Institute of Fuel for the Continuous Coking of Coal,
by V. I. Kiryankov, et al.

RUSSIAN, per, Trudy Inst Goryushikh Iskopaemykh
Ak Nauk SSSR, Vol X, 1959, pp 45-50.

NIL M. 3360

CFSTE II 61-15962

192,341

Sci - Engr

Apr 62

Use of a New Coking Method for Making Metallurgical Fuel From Weakly Caking Coals of the Chermekhovo Deposit, by G. V. Speranskaya, Yu. M. Skvortsov.

RUSSIAN, per, Trudy Ak Nauk SSSR, Inst Goryuchikh Iskopaemykh, Vol X, 1959, pp 51-59.

CRL/T.703

Sci
Dec 62

Investigation of the Process of Production
of Briquetted Metallurgical Fuel From Donbas
Gas Coals, by G. V. Speranskaya, D. A.
Tsikarev.

RUSSIAN, per, Trudy Ak Nauk SSSR Inst,
Goryuchikh Iskopaemykh, SS Vol X,
1959, pp 60-65.

Baroken Hill Prop Co Ltd
(CRL/T.687)

Sci - Fuels
Apr 62

191,423

Prospects of Obtaining Metallurgical Fuel
From the Minusinsk Basin Coals, by A. E.
Bresler.

RUSSIAN, per, Trudy Ak Nauk SSSR, Inst Goryuchikh
Iskopaemykh, Vol X, 1959, pp 66-73.

CRL/T.803

Sci
Dec 62

Investigation of the Minusinsk Basin Coals for
the Purpose of Production of Moulded Metallurgical
Fuel, by A. E. Bresler, N. P. Kazakevich.

RUSSIAN, per, Trudy Ak Nauk SSSR, Inst
Goryuchikh Iskopaemykh, Vol X, 1959,
pp ~~137-142~~. 77-79

CRL/T. 768 804

Sci
Dec 62

Production of Briquetted Metallurgical Fuel
From Weakly Caking Low Rank Coals of the
Roumanian and Polish People's Republics,
by M. T. Emtsev.

RUSSIAN, per, Trudy Ak Nauk SSSR,
Goryuchikh Iskopaemykh, Vol X, 1959,
pp 80-92.

CRL/T.709

Sci
Dec 62

Production of Briquetted Coke From Kuznets Gas and Weakly Caking Coals and Their Blends, by V. K. Letova, et al.

RUSSIAN, per, Trudy Ak Nauk SSSR, Inst Goryuchikh Iskopaemykh, Vol X, 1959, pp 93-103.

CRL/T.766

Sci
Dec 62

Investigation of the New Process for the Production
of Moulded Metallurgical Fuel From Weakly Caking
Karaganda Coals, by A. K. Konovalov.

RUSSIAN, per, Trudy Ak Nauk SSSR, Inst
Goryuchikh Iskopaemykh, Vol X, 1959,
pp 104-125.

CRL/T.767

Sci
Dec 62

Peculiarities of the Production of Moulded Coke from
Oxidised Coals of Lowered Caking Capacity, by
N. K. Konovalov, G. V. Speranskaya.

RUSSIAN, per, Trudy Ak Nauk SSSR, Inst
Goryuchikh Iskopaemykh, Vol X, 1959, pp 126-136.

CRL/T.620

Sci
Dec 62

Production of Metallurgical Coke From
Noril'sk Weakly Caking Coals, by R. A.
Geguchadze, L. G. Demidov.

RUSSIAN, per, Trudy Ak Nauk SSSR, Inst
Goryuchikh Iskopaemykh, Vol X, 1959, pp 137-142.

CRL/T.768

Sci
Dec 62

Effect of Inert and Leaning Additives on the
Process for Obtaining Moulded Coke From Coals
With a Lower Caking Capacity, by A. K.
Kononov.

RUSSIAN, per, 'Trudy Ak Nauk SSSR, Inst
Goryuchikh Iskopaemykh, N Vol X, 1959,
pp 143-154.

Broken Hill ~~PROP~~ Prop Co Ltd
(CHL/T.691)

EX

Sci - Min/Met
Apr 62

191,415

Liquid Products of the Caking Stage in the
Process of Continuous Coking of Coals,
by M. T. Entsev, A. A. Krichko.

RUSSIAN, per, Trudy Inst Goryuchikh
Iskopaemykh Ak Nauk SSSR, Vol X, 1959,
pp 155-163.

Broken Hill Prop Co Ltd
(GRL/T.705)

Sci - Min/Met
Apr 62

191,411

Gas Permeability as a Criterion of the Formation
of a Plastic Coal Mass During Coking, by G. V.
Speranskaya.

RUSSIAN, per, Trudy Ak Nauk SSSR, Inst Goryuchikh
Iskopaemykh, Vol X, 1959, pp 164-173.

CRL/T.619

Sci
Dec 62

Dynamics of Linear Shrinkage and Weight
Losses in Briquettes During Their Coking,
by G. V. Speranskaya, A. I. Golovanov.

RUSSIAN, per, Trudy Inst Goryuchikh Isko-
paemykh Ak Nauk SSSR, No 10, 1959,
pp 174-181.

Broken Hill Prop Co Ltd
(CRL/T.621)

Sci - Min/Met
Jul 62

207,592

Investigations of the Relation Between the
Permissible Heating Rates for Fuel Briquettes
and Their Size and Shape, by N. P. Kazakevich.

RUSSIAN, per, Trudy Ak Nauk SSSR, Goryuchikh
Iskopaemykh, Vol X, 1959, pp 182-195.

CRL/T.692

Sci
Dec 62

Thermal Diffusivity of Coal Mouldings and
Their Thermally Treated Products, by
N. D. Kusakín, et al.

RUSSIAN, per, Trudy Ak Nauk SSSR, Inst Goryuchikh
Iskopaemykh, Vol X, 1959, pp 196-200.

CRL/T.640

Sci
Dec 62

Laboratory Methods for Determining the Properties
of Briquetted Fuel, by F. A. Shchukin.

RUSSIAN, per, Trudy Ak Nauk SSSR, Inst Goryuchikh
Iskopaemykh, Vol X, 1959, pp 201-205.

CRL/T.642

Sci
Dec 62

High Speed Heating of Coal in a Vortex Chamber,
by P. Z. Shubenko, V. P. Kozyrev.

RUSSIAN, per, Trudy Ak Nauk SSSR, Inst Goryuchikh
Iskopaemykh,
Vol X, , 1959, pp 210-219.

CRL/T.783

Sci
Dec 62

Some Specific Features of Vortex Chamber Performance
by P. Z. Shubeko, & V. P. Kozyrev,

RUSSIAN, per, Trudy Inst. Goryuchikh Iskopaemykh,
Vol X, 1959, pp 220-238.

CRL/T. 805

Sci
Dec 62

Effect of Excess Air on Combustion
Processes in a Flow of Pulverized
Solid Fuel, by A. P. Finyagin.
RUSSIAN, per, Trudy Inst Gory. Ikhop,
1959, Vol 11, pp 82-90.
NLL 9022.09 1964 (3276) (On Loan)

Aug 65

286,939

Effect of Mineral Additives on the Kinetics
of Thermal Coal Decomposition, by Z. B.
Pechkovskaya.

RUSSIAN, per, iz Trudy Inst Goryuchikh
Iskopayemykh, 1959, pp 239-253.

NLI M 3974

Sci - M/M
Feb 63

223,588

On the Determination of the Optimum Hydrodynamic
and Thermal Operating Conditions in a Vortex Chamber,
by P. Z. Shubeko,

RUSSIAN, per, Trudy Inst. Goryuchikh Iskopaemykh,
Vol X, in 1959, pp 239-264.

CRL/T.784

Sci
Dec 62

Investigation of Gasification Processes of Solid
Fuel by an Isotope Method, by I. G. Petrenko, 16 pp.

RUSSIAN, per, Trudy Instituta Goryuchikh Iskopaemykh,
Vol XI, 1959, pp 9-22. 9080884

NLL W. 4554
AERE Tr-865
Harwell

170.206.

Sci - Chem
Oct 61

Thermodynamics of Gasification Reactions, by N. V.
Lavrov, V. I. Filippova, V. V. Korobov, I. I.
Chernenkov, 9 pp.

RUSSIAN, per, Trudy Inst Goryuchikh Iskopayemykh,
Ak Nauk SSSR, Otdel Tekh Nauk, Vol XI, 1959,
pp 24-29.

AERE-Trans-861
Harwell

171, 236

Sci - Chem
Oct 61

Isotopic Molecules of the Basic Products of
Combustion and Gasification of Fuels, by I. G.
Petrenko, 11 pp.

RUSSIAN, per, Trudy Inst Goryuchikh Iskopayemykh,
Vol XI, 1959, pp 30-38. 9097023

AEC NP Tr-808

ALL 174645

Sci - Phys
Mar 62

186.510

The Kinetics of the Reaction of Carbon With Carbon
Dioxide Gas and Water Vapour, by P. N. Galushko,
B. V. Kantorovich, 7 pp.

RUSSIAN, per, Trudy Instituta Goryuchikh
Iskopaemykh, Vol XI, 1959, pp 39-45. 9080887

NLL M 4063

AMRE Tr-862

Harwell

170, 205

Sci - Chem
Oct 61

Dept of Int
T-7 E-7 10.515

Stoichiometric Analysis of Chemical Reactions in
the Burning and Gasification of Carbon, by B. M.
Derman, 11 pp.

RUSSIAN, per, Trudy Inst Goryuchikh Iskopaemykh
Ak Nauk SSSR, Otdel Tekh Nauk, Vol XI, 1959,
pp 127-132.

~~XXXX~~

AERE Tr-868

ALL IN 4577

Sci - Chem
Feb 62

182,538

Analysis of the Process of Combustion of Carbon in a
Bed by the Method of Similarity, by G. Ya.
V'yugova, Ya. I. Chesnokov, 8 pp.

RUSSIAN, per, Trudy Instituta Goryushikh Iskopaemykh,
Vol XI, 1959, pp 133-138. 9080883

AERE 74-866

Harwell

xxix

170, 207

Sci - Chem

Oct 61

Continuous Metal Steam Method of Hydrogen
Production, by V. V. Lebedev, 22 pp.

RUSSIAN, per, Trudy Inst Goryuchika Iskopyayemykh-
Gazifikatsiya i Goreniye Topliva, Moskva,
Iz-vo AN SSSR, Vol XI, 1959, pp 215-225.
9663474

FTD MCL-1164/1

Sci - Phys

171, 837

24 Oct 61

A Method of Calculating Processes of Hydrocarbon
Synthesis From Carbon Monoxide, Hydrogen and
Steam, by A. M. Mosin.

RUSSIAN, per, Trudy Instituta Goryuchikh
Iskopaemykh, Vol XII, pp 167-180.

1959? 7

NLL M 3909

Sci - Engr
Mar 63

225,417

RUSSIAN, per, Trudy Inst Goryuchikh Iskopayemykh,
Otdel Tekh Nauk, Ak Nauk SSSR, Vol. XIII, 1960,
pp 3-166.

See list in PL-480 file, Bureau of Mines - Israel -
1962, dated 6 June 1961, for individual titles and
authors.

*PL-480

Jun. 1961

63-11063

UNDERGROUND PROCESSING OF FUELS (Podzemnaya
Pererabotka Topliva). 1963, 162p. PL-480 Int.
Order from OTS \$1.75 63-11063

Trans. of Akademiya Nauk SSSR. Institut Goryuchikh
Iskopayemykh. Trudy, 1960, v. 13 [166p.].

DESCRIPTORS: *Fuels, *Coal, *Mining engineering,
Oxides, Carbon compounds, *Thermochemistry,
Carbon, Radioactive isotopes, Chemical reactions,
Oxygen, Exchange reactions, Steam, Coke, Gases, Hy-
drogen, Thermal conductivity, Solids, Electroosmosis,
Combustion, Shale, Rock (Geology), *Pyrolysis, Gas
flow, Gas generating systems, Electric currents,
Germanium, *Chemical engineering.

Contents:

Method for the study of the reactions between carbon
(Materials--Fuels, TT, v. 10, no. 8) (over)

I. PL-480 Int (63-11063)
II. National Science Founda-
tion, Washington, D. C.

Office of Technical Services

Determination of the Degree of Oxidation
and Prediction of Coal Quality From Petro-
graphic Characteristics, by I. I. Ammosov,
I. N. Bremin.

RUSSIAN, per, Trudy Inst Gory Iskopayemykh,
Ak Nauk SSSR, Vol XIV, 1960, pp 3-22.

NLT 90.22.56 1964 (2123)

CRL/T. 1237

Sci-Fuels

Aug 63

341,976

Methods for the Oxidation of Coal by Means of
Ionizing Radiation, by I. E. Petrenko.

RUSSIAN, per, Trudy Inst Gory, Iskopanykh,
Ak Nauk SSSR, Vol XIV, 1960, pp 91-97.

Dept of Interior
TR 7 B57 No 596

Sci - Min/Met

Jan 63

219,240

On the Dual Reactivity of Oxidized Hard Coals, by
R. N. Smirnov.

RUSSIAN, per, Trudy Inst Gory Iskopaemykh,
Vol XIV, 1960, pp 123-133.

CRL/T. 1118

Sci-Fuels & Propulsion
Mar 63

225,350

Wehner, R. A.
ZUR BESTIMMUNGSMETHODIK DER AKTIVITÄT VON
KOHLEARGILLITEN* (On the Determination Method of
the Activity of Coal Argillites). 9p. (text in German).
Order from TIB \$1.70

Trans. of Akademiya Nauk SSSR, Institut Goryuchikh
Iskopaemykh, Izv. 1960, v. 14, p. 136-142.

DESCRIPTORS: *Coal, *Minerals, *Radioactivity,
Determination.

62-27199

I. Wehner, R. A.
II. Technische Informations-
bibliothek Hannover

(Materials--Fuels, TT, v. 9, no. 6)

Office of Technical Services

DR.

The Effect of Certain Chemical Reagents on
the Oxidation of Coal, by R. P. Gusev, 10 pp.

RUSSIAN, per, Trudy Instituta Gezyuchikh
Iskopaemykh Ak Nauk SSSR, Vol XII, 1961,
pp 30-36.

NLL Ref. 9022.66 1963 (2,038)
(Loan)

OTS 43-24175

Sci - Chem
Nov 63

242,266

The Selecting of Machines (Presses) for the
Production of Moulded Briquettes From a Heated
Coal Mass, by V. E. Kiryankov.

RUSSIAN, per, Trudy Inst Goryuchikh Iskopaemykh,
Vol XII, 1961, pp 82-93.

NLL Ref: 9022.66 1963 (2039) (loan)

May 64

Vasil'ev, S.F., Lavrov, N.V. and Lapidès, N.A.
PYROLYSE OXYDANTE DU BUTANE (Okislitel'nyi
Piroliz Butana)(Oxidative Pyrolysis of Butane). 17p.
(Foreign text included) 8 refs. GR-827
Order from OTS, ETC or CNRS \$0.80 TT-63-26917

Trans. in French of Akademiya Nauk SSSR, Institut
Goryuchikh Iskopaemykh, (Paris) (CNRS) 1961, v.16,
p.59-63.

DESCRIPTORS: *Butanes, *Pyrolysis, Oxidation.

(Chemistry--Organic, TT, v. 11, no. 6)

TT-63-26917

I. Vasil'ev, S.F.
II. Lavrov, N.V.
III. Lapidès, N.A.
IV. CNRS-GR-827
V. Centre National de la Recherche Scientifique, Paris

Office of Technical Services
European Translations Centre

On the Joint Reaction of Carbon Dioxide and Water Vapor
With Carbon at Normal and Elevated Pressures, by
V. P. Shevtsov, G. S. Shafir, 9 pp.

RUSSIAN, per, Trudy, Inst Gornichikh Iskopaemykh,
Vol XVI, 1961, pp 164-170.

CIA/FDD X-5230

Sci - Chem

Oct 63

FOR OFFICIAL USE ONLY

345, 360

Fibrous Carbon, by V. Yu. Nikolayev,
V. I. Kasatochkin, 22 pp.

RUSSIAN, per, Trudy Inst Goryuchikh
Iakopavaykh, Is Ak Mark SSSR, Vol XVIII,
1962, pp 135-148. 9669353

FID-TT-63-330

Sci-Misc
July 63

235,834

Experimental Investigation of the Combustion Process
of Natural and Emulsified Liquid Fuels, by V. M. Ivanov,
P. I. Nefedov.
RUSSIAN, per, Trudy Instituta Goryuchikh Iskopayemykh,
Vol XIX, 1962, pp 35-45.
NASA TT F-258

Sci-Fuels
Mar 65

274,339

New Methods of Preparing Fuels and Ores and the
Metallurgical Treatment of These Materials.

RUSSIAN, per, Trudy Inst. Goryuchikh Iskopaemykh,
Vol. XX, 1953.

*CB

Sci-M/M
Nov 53

Combustion Processes and Heat Transfer in the
Combustion of Liquid Fuel at High Pressure, by
V.M. Ivanov; Z.I. Frenkina.

RUSSIAN, Trudy AN SSSR. Institut Goryuchikh

Iskopyemykh

*FTD-MT-24-133-67

Sci/Physics
Aug 67

Investigations of the process of Carbonizing and
Strengthening fluxed ore-fuel pellets, by P. I. Kanavets,
O. V. Verbitskaya.

RUSSIAN, per, Trudy Inst goryuch Iskop. No 22, 1963, pp 8-
35

CRL/T. 1780

Sci -

Sep 67

340,306

Differential Thermal Analysis of Fluxed ore-fuel
Pellets Prepared by the Chemical Catalytic
Method, by P. I. Kanavets.
RUSSIAN, per, Trudy Inst. goryuch. Iskop,
Vol 22, 1963, pp 31-34
CRL/T. 1779

Sci -
Jul 67

333,731

Pilot Plant for Pelletizing finely ground Materials
by the Chemical Catalytic Method, by P. I. Kanavets.
RUSSIAN, per, Trudy Inst goryuch Iskop, No 22, 1963,
pp 57-70
CRL/T. 178:

Sci -
Sep 67

140,198

Changes in the Phase Composition and the
Mechanism of Primary Slag Formation During
Smelting of Ore-fuel Pellets, by L. Z.
Khodak, T. Ya. Malysheva.
RUSSIAN, per, Trudy Inst. Goryuch. Iskop,
Vol 22, 1963, pp 79-92.
CRL/T. 1785

Sci -
Jul 67

333,870

Reduction of iron ore-fuel pellets, by B.A. Gess.
RUSSIAN, per, Trudy Inst goryuch Iskop. No 22, 1963, pp20-
126
CRL/T 1807

Sci -
Sep 67

340,000

Technological Features of Pelletizing coal
Blends, by P.I. Kanavets,
RUSSIAN, per, Trudy Inst goryuch Iskop. No 22,
1963, pp 51-147
CRL/T 1810

Sci -
Sep 67

340,239

Differential Thermal Analysis of Coal
Pellets and their Behaviour During Thermal
Decomposition, by P. I. Kanavets.
RUSSIAN, per, Trudy Inst. goryuch. Iskop,
Vol 22, 1963, pp 136-146
CRL.T. 1809

Sci -
Jul 67

333,730

On the Problem of Obtaining Metallurgical
Coke From Weakly Coking Coals and its
Solution by the Method of Preliminary
Granulation of Coal Blends Prior to Coking,
by P. I. Kanavets.
RUSSIAN, per, Trudy Inst. goryuch. Iskop,
Vol 22, 1963, pp 154-168
CRL/T. 1821

Jul 67

Sci -

333,732

The Mechanism of Shifting of the Ice Cover, by
V. P. Beredennikov. 12 pp.
RUSSIAN, per, Trudy Gosudarstvennyi Gidrologicheskii
Institut, Vol 103, 1963, pp 41-56.
AGU in Soviet Hydrology: Selected Papers, No 2, 1963
pp 144-155

Sci/Earth Sci
May 67

326,749