

IAN, OTN No 1, 1950 pp 29-40

Reported in Process (awaiting
assignment) in 1 Feb 1951 ID
Status Report. Doc F-4700
A.C. Lee, Tech Br, ID, G-2

Title "Transportation and Soviet Science"
V.V. ZVANKOV

The Electrical Resistance of Shales and
Coals During Heating, by A. A. Agroskin,
I. G. Petrenko.
RUSSIAN, per, Iz Ak Nauk SSSR Otdelenie
Tekhnicheskikh Nauk, No 1, 1950, pp 89-100.
ATS-05R78R

Apr 67

523,138

GLEBOVSKII, V.A.

IZ. AK. NAUK, SSSR, Otd. Tekh. Nauk, #2, 1950, pp 253-8

**Significance of Mechanism and Rate of Collecting for
Intensification of the Flotation Process**

Brutcher Trans. 2542, \$4.95

СЕННИКОВ, Н. П.
КАЗАНЦОВА, Т. И.

Известия академии наук СССР, ОИИ. Техн. Забк. 1950,
No. 3, pp. 386-393; 10 figures, 2 tables, 2900 words.

**Influence of Boron upon the Kinetics of the Austenite
Transformation of Steel.**

Fracther Books, Order No. 2617. \$4.90.

Iz Ak Nauk SSSR, No. 5 (May '50)
Ot Tekh Nauk pp 641-645

"Sci of Ground Mech. & Foundations:
Pres. State & Prob. of Development"

N. M. Gerserianov
(deceased)

{ Proj
6759

{ Reg.
CD-7159

Date:
SR { 18 Oct 1950

Iz Ak Nauk SSSR Ot Tekh Nauk
No. 5 (May 1950) pp646-676

"Invest. the Freq.-Reg. Sys. of the
A-C Comput. Table ENTN"

P. I. Zubkov

Proj # 6756

Date: { ST-154

SR { ~~OCT 19-1950~~

IAN-OTN No. 5 (May '50)
pp 668-681

"Brightness & Lightness in the
Light of the Phy. Theo. of the Visual
Process in the Retina" S.O. Mayzel'

Proj #6766

CD-7025.4

Date:
SR { DEC ? 1950

Iz Ak Nauk SSSR, Ot Tekh Nauk
No. 5 (1950) pp 682-694

"Phen. of Efferv. Ejection in Heavy Liq.
Fuels Burn. from a Free Surf."
G. N. Khudyakov

Proj # 6807

CD-7025.4

SR { Date: OCT 18 1950

Turbulent Transfer in Process of Heat Exchange
Diffusion and Chemical Processes, by S. A.
Gol'denberg, 6 pp.

RUSSIAN, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 5,
1950, pp 689-94.

Sci Museum Lib No 51/0465 - London

OTS 61-17302

Sci - Chemistry

Proj 6768 ?

ST-13

Mixing of Gas Currents in the Heating Channels of
Coke Ovens, by M. Y. Gubergrits.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel ~~KXX~~ Tekh Nauk
No 5, 1950, pp 695-701.

ASLIB-GB114

Sci
Aug 58

71,928

Iz Ak Nauk SSSR, Otd Tekhn Nauk,
No 5 (May 1950), P. 781.

Report of a New Publication
"Works of the Petroleum Institute"

Proj 6800

{ Reg. No.
{ ST-24

Date:

SR { OCT 19 1950

Iz Ak Nauk, Otd Tekh Nauk, No 5, May 50,
pp 792-795

"Chronicle: Conference on Problems of Construction of Water-Well Filters."

Acad L. D. Shevyakov

Proj # 6843

7729

SR 18 Oct 1950

IZ AK NAUK, OT DEL TEKH NAUK
No 6 (Jun'50)

MINING MACHINES FOR EXTRACTING MINERALS
FROM THEIR BEDS

A. M. Terpigorev

Proj# 7257

ST- 24

DATE: _____

Development of Electric Discharges Across Long Gaps, by V. S. Kozelkov, 16 pp.

RUSSIAN, per, Izvest Akad Nauk SSSR Otdel Tekh Nauk, No 6, 1950, pp 651-65.

ABC Tr 2572
~~RF 664067 (Abstract)~~
~~ETA-C 37509~~

Sci - Electric
Nov 56 CIS

Physics

40,441

Beating Efficiency in Boiler Furnaces, by P. K.
Konakov,

RUSSIAN, *per*, Iz Ak Nauk SSSR, Otdel Tekh Nauk,
No 6, 1950, p 888.

Navv 2052/T-78

Sci - Eng
Mar 59

83,129

Izvestiya Akademii Nauk, SSSR, Otdeleniye Tekhnicheskikh
Nauk

No 6, 1950, pp 901-913

Some Measures for Increasing the Endurance of Open Hearth
Furnaces and Improving their Utilization
author: P. O. Budnikov, et al

Project 11750, ST-288 (a), SR 28 Apr 52

Discontinuous Flow about Obstacles in the Form
of Arcs of Curves of the Second Degree, by S. V.
Kalinin, UNCLASSIFIED

RUSSIA, per. Izv. Akad. Nauk, Otd. Tekh. Nauk,
No 7, 1950, pp 966-984.

A.R.E.

9

OT/803

Scientific - Physics

15,505

IAN (OTN) No. 7, 1950 pp. 985-94

"Investig. the initial Phase of a
Discharge for Very Small Gaps"
I.S. Stekol'nikov

Aug. 7491

6328.7

DEC 12 1950

The Role of Radiant Energy in Processes of Combustion, by S. N. Shorin, 21 pp.

RUSSIAN, per, Iz Akad Nauk SSSR. Otdel Tekh Nauk,
No 7, 1950, pp 995-1015.

Sci Mus Lib No 51/2065 - London

Sci -

Project 8687

Shrinkage During Coking, by F. F. Volodin.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh
Nauk, 1950, pp 1024-1033.

Dept of Int
US Bur of Mines
Central Exper Sta
Pitts., Pa. Tr 228

Sci -- Engr

ALL 11, 3707

Jun 59

89,909

Oxidation as a Factor in Spontaneous Combustion of
Coals, by G. L. Orleanskaya.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,
No 7, 1950, pp 1071-1079.

United Kingdom Scientific Mission

SLA

54,443

Sci - Chemistry, fuels
Oct 57

TT-62-28195

Povarkov, S.G.
AÉRODYNAMIQUE DES MIROIRS PARABOLIQUES
ROTATIFS, ENVISAGÉE DU POINT DE VUE DU CAL-
CUL DE LA RÉSISTANCE DES STATIONS D'ÉNERGIE
SOLAIRE (Aerodynamics of Rotating Parabolic Mirrors
with Intent to Calculate the Resistance of Solar Energy
Stations). 22p. CNRS-XV 50.
Order from CES, ETC or CNRS \$2.60 TT-62-28195

I. Povarkov, S.G.
II. CNRS-XV 50
III. Centre National de la Recherche
Scientifique, Paris

Trans. in French of *Aviatsiya i Naul SSSR, Otdelenie
Tekhnicheskikh Nauk, Izvestiya*, 1950, no. 8,
p. 1112-1124.

DESCRIPTORS: *Curved mirrors, Parabolic bodies,
*Aerodynamics, Solar energy, Wind, Pressure,
Deformation.

(Astronomy--Astrophysics, TT, v. 11, no. 8)

Office of Technical Services
European Translations Centre

Turbulent Heterogeneous Combustion, by S. A.
Goldenberg, 19 pp.

RUSSIAN, In Ak Nauk SSSR, Otdel. Tekh Nauk, No 8,
1950, pp 1154-1164.

Sci Museum Lib No 51/0568 - London

Sci -

Izvestiya Akademii Nauk SSSR, Otdeleniye Tekhnicheskikh
Nauk

No 8, 1950, pp 1183-1188

Nature of the Deterioration Mechanism of High-Alloy
Steels During Swaging

11751

ST-288

SR 1 May 52

The Effect of Moisture on the Sorption of Methane by
Coal, by I. L. Ettinger.

RUSSIAN, per, Izvestiya AN SSSR, Otd Tekh Nauk., No 8,
1950, pp 1198-1203.

*NTIS TT 72-53017

Mar 72

Ignition Temperature of Coals as an Index to
Their Liability to Spontaneous Combustion, by
V. S. Veselovskiy and E. A. Terpogosova, 6 pp.

RUSSIAN, Iz Ak Nauk SSSR, Otdel Tekh Nauk,
No 8, 1950, pp 1204-1211

[The figures are only in the Russian original
attached.]

Sci Museum No 52/2839

Scientific

OTS 77-62-26395 (RUSSIAN TO FRENCH)

(OTAN)

Izv Ak Nauk No. 9 (Sep'50) p 1433.

Proj # 7572

ST- 24

"Tables of Contents of Two 1950 Issues of the Periodical : Avtomatika i Telemekhanika"

date: DEC 23 1950

WAK

IZVESTIYA AKADEMII NAUK . OTDELENIYE TEKH NAUK
No. 9 (Sept 1950). pp 1433-1440.

Proj 75-84

¹⁹⁶
~~ST-24~~

"A Discussion of the Problems of Soviet Science in the
Field of Strength and Plasticity of Metals"

DATE: JAN 4 1951

Сы аб نامه СССР, Олдес
Тех نامه, No 11, 1950.

XST-1441

Applications of the Theory of Effective Loads to the
Calculation of Dynamically Loaded Bearings, by A. K.
Dyachkov, 30 pp. UNCLASSIFIED

Full translation.

RUSSIAN, no per, Iz Ak Nauk SSSR Otdel Tekh Nauk,
No 11, USSR, 1950, pp 1615-1644.

Navy Tr 701/BuShips 500

Scientific - Engineering, bearings

Jan 53 CTS/LEX

62-10638

Khrushchov, M. M. and Berkovich, E. S.
EXPERIENCE USING AN ELECTRON MICROSCOPE
TO MEASURE PARTICULARLY SMALL IMPRES-
SIONS OBTAINED DURING MICROHARDNESS TEST-
ING. 11 Oct 61 [5]p. 1 ref.
Order from DTIC or SLA \$1.10 62-10638

I. Khrushchov, M. M.
II. Berkovich, E. S.

Trans. of A[kademiya] N[auk] SSSR, Otd[elene] Tekh-
[nicheskikh] Nauk. Izvestiya] 1950, no. 11, p. 1645-
1647.

DESCRIPTORS: *Electron microscopy, Measurement,
*Hardness, *Microanalysis, Industrial diamonds,
Photographs, Ruby.

The possibility is clarified of measuring the size of
impressions obtained during hardness testing by means
of imprinting by a diamond pyramid by using photo-
graphs made from a replica on an electron microscope
(Earth Sciences--Mineralogy, TT, v. 8, no. 8) (over)

Office of Technical Services

An Experimental Application of the Electron Microscope
for the Measurement of Extra Small Indentations Ob-
tained during Micro-Hardness Tests, by M. N. Khrushchev,
J. S. Berlovich

RUSSIAN, Izv. Akad. Nauk, Otd. Fizn. Nauk, (11),
1647-1648, 1950.

Associated Electrical Industries, LTD
Tr No T/432 OR/154

Scientific • Physics

An Instance of the Application of the Limit of
D-Separation for the Evaluation of the Quality
of the System of Automatic Regulation, by M. V.
Meyerov, 16 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,
No 12, 1950, pp 1784-1794.

SLA 60-23942

Sci

Apr 61

146,209

POPOV, I. A.
STARK, B. V.

Izvestiya Akademii Nauk SSSR, Otd. Tekh. Nauk,
1950, No. 12, pp. 1806-1814; 5 figures, 3400
words.

Influence of Calcium Oxide Additions upon Behavior
of Manganese and Silicon in Acid Steel-making
Process.

Butcher Trans., Order No. 2685, \$8.40

Mechanism of the Oxidation of Cadmium Sulfide, by
D. M. Chizhikov, G. S. Frents, B. Ya. Tratsvitskaya,
13 p.

RUSSIAN, per, Iz Ak Nauk BSSR, Otdel Tekh Nauk,
1950, No 12, pp 1815-1826.

MDF C-116

Sci
Apr 60
Vol III, No 3

112,105

Plaksin, I. N.
ENWIRKUNG VON GASEN UND REAGENZIEN AUF
DIE MINERALIEN IM FLOTATIONSPROZESS
(Vozdeystviye Razov i Reagentov na Mineraly vo
Flotatsionnykh Protssakh). [1951] [20]p. 29 refs.
[DSIR LLU] M 2102.

Order from OTS or SLA \$1.60

61-13599

Trans. in German of A[kademiya]N[auk] SSSR.
Otd[eleniye] Tekhnicheskikh Nauk. Izv[estiya] 1950,
no. 12, p. 1827-1843 (pub. in Sowjetwissenschaft.
Naturwissenschaftliche Beiträge] (West Germany) 1951,
v. 4, no. 1.

DESCRIPTORS: *Gases, *Reagents, *Minerals,
*Flotation.

(Chemistry--Physical, TT. v. 6, no. 3)

61-13599

I. Plaksin, I. N.
II. DSIR LLU M. 2102

175201

Office of Technical Services

The Theory of Corona with DC Voltage, Part III,
by V. I. Popkov, S. I. Ryabaya,
RUSSIAN, per, Izv. AN SSSR OTN, No 1, 1951,
pp 29-38,
NLL Ref: 8732B 1966 (1207)

Sci-Elec
Aug 66

308,509

The Solution of Some Heat Engineering Problems
With Electric Models, by S. S. Vyalov
and L. G. Kogan, 15 pp.

RUSSIAN, Iz Ak Nauk SSSR, Otdel Tekh
Nauk, Vol 1, 1951, pp 39-52.

Sci Museum No 51/2900

The Dependence of Heat Emission in Pipes on
the Direction of Heat Flow and Natural Convec-
tion, by Y. Y. Alad'ev, M. A. Kykheev and
O. S. Fedunskiy, 15 pp
RUSSIAN, Iz Ak Nauk SSSR, Otdel Tekh Nauk,
Vol 1, 1951, pp 53-67.

Sci Museum No 51/2949

CFSTI TT 64-23529
Scientific *on loan*

**Vanadium in Acid Steel-Making Process and Deoxidizing
Power of Vanadium, by I. A. Popov, B. V. Stark.**

**RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Khim,
No 2, 1951, pp 261-266.**

**Brutcher No 2843-B
\$3.90**

Sci - Min/metals

40,690

Use of the Luminescence Method for Characterizing
the Properties of Coals, by I. I. Amosov.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,
No 3, 1951, pp 341-349.

Dept of Interior
TP325 A55

Coal - Fuels

207,264

Aug 62

The Application of the Bacteridal Effect of
Ultraviolet Radiation to Purification of Drinking
Water, by V. F. Sokolov.

RUSSIAN, per Izv. Akad. Nauk SSSR, Ser. Tekh.

1951, pp 369-368. P011143766

AEC 371-tr-05

Sci/Eng

Jan 67

516,210

Heat Exchange by Radiation in the Presence of an
Absorbing Medium, by S. N. Shorin, 6 pp.

Udlet Tekh Nauk
RUSSIAN, per, Iz Ak Nauk SSSR, No 3, 1951, pp 389-406.

Engg Digest, Vol XII, No 10,
Oct 1951

Navy 2044/T-67

Scientific - Engineering
CTS/DIX

ALSO CIA/PDD/X-1114

5917

An Investigation of Circulation in Steam-Generating
Tubes at High Steam Pressure, by M. A. Styrikovich,
and G. E. Kholodovskii.

Full translation.

RUSSIAN, no per, Iz Ak Nauk SSSR, Otdel Nauk, No 4,
1951, pp 506-528.

AEC Tr 1433

SSR

Scientific - Engineering, physics, tubes, steam
pressure

Nov 50, 1951 (per)

TT-64-16013

Kutateladze, S. S.
HYDRODYNAMIC THEORY OF THE CHANGE OF
BOILING REGIME OF A LIQUID WITH FREE CON-
VECTION (Gidrodinamicheskaya Teoriya Izmeneniya
Rezhima Kipeniya Zhidkosti pri Svobodnoi Konvektcii).
[1964] 15p 10refs

I. Kutateladze, S. S.
II. RT-1870

Order from OTS, SLA, or ETC \$1.60 TT-64-16013

SLA R 2412

Trans. of Akademiya Nauk SSSR, Otdelenie Tekhnicheskikh Nauk, Izvestiya, 1951, no. 4, p. 529-536.
Another trans. is available from SLA as RT-1870.

AEC 1424

Sci. Ind. 1852/3355

(Physics--Thermodynamics, TT, v. 11, no. 11)

Office of Technical Services

L.I. Ginsburg

The use of scale models for forced ventilation
with heat loss in enclosed spaces, 18 pp

RUSSIAN per, Izvestiya Akademii Nauk SSSR, Otdelenie
tekhnicheskikh nauk, 1951, No 4, pp 537 - 549

Sci Museum Lib no 52/0204

On the Critical Heat Load During Boiling of Liquids i
in Volume, by M. A. Styrikovich, G. M. Polyakov,
11 pp. ^y

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 5,
1951, pp 652-656.

ATIC F-TS-9359/III

Sci - Phys

57,857

Jan 58

N.H.S. - 872

VERESHCHAGIN, I. F., FREIDIN, G. K.,
RUBINSHTEIN, A. M. and FUREENOV, I. U.
ATS RJ-129. *Effect of very high pressures on the
catalytic activity of aluminum oxide.* Izvest. Akad.
Nauk SSSR, Otdel. Khim. Nauk, no. 6, p. 809-818,
1951. (10p.)

On Methods ~~AK~~ for the Linearization of Non-Linear
Equations of the Type of Thermal Conductivity
Equations, by I. Z. Charnii, 15 pp.

Full translation.

RUSSIAN, Iz Ak Nauk SSSR, Otdel Tekh Nauk, 1951,
No 6, pp 829-838.

OT 63-12021
OTS 61-17324

Sci Mus Lib No 52/3245

Scientific ..

27 December 1952

Also T/482, DT348
Index Perovantsev
Oct 1952.

Investigation of Some Physical Properties of
Alloys in the System Iron-Nickel-Tantalum by
K. A. Osipov.

RUSSIAN, Iz Ak Nauk SSSR, Otd. Tekh. Nauk, 1951,
No 6, pp 848-851.

Brutcher Tech Tr No 2859

On the Temperature Field of a Liquid Burning From a
Free Surface, and on the Flame Over It, by G. H.
Khuđyakov, 18 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 7,
1951, pp 1015-1024.

SIA 59-15131

Sci - Fuels
Sep 59
Vol 2, No 2

98,004

Turbulent, Mixed Combustion in the High-Temperature Range, by S. A. Goldenberg, 12 pp.

RUSSIAN, no per, Iz Ak Nauk, SSSR, Otdel Tekh Nauk, No 7,
Jul 1951, pp 1025-1030.

~~State Library, Moscow~~

~~Reference~~

CIA/FDD/X-748

Scientific - Engineering, combustion, high-temperature, turbulent

The Initial Stage of Oxidation in Hard Coal, by
V. S. Veselovskiy, G. L. Orleyanakaya, 8 pp.

RUSSIAN, ~~1951~~, Is Ak Nauk SSSR, Otdel Tekh Nauk,
No 7, 1951, pp ~~1041-1049~~.

Sci Tr Center RT-2176

Scientific - Chemistry
Apr 55 CTS

22,803

On the Velocity of Rise and Hydraulic Resistance of
Gas Bubbles in Liquids, by B. K. Kozlov, M. A.
Kologin, 19 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,
1951, pp 1188-1197.

AEC Tr 3274

Sci - Phys

Sep 58

73, 758

Two-Directional Compaction of Powdered Substances,
by I. A. Keskovich.

RUSSIAN, Iz Ak Nauk SSSR, OTH, 1951, No 8, pp
1230-1233.

Brutcher Tech Tr 2853

Problem of the Voltage Step Above 220-kv for Long-Distance Transmission of Large Blocks of Power, by M. A. Basov, 30 pp.

RUSSIAN, no per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 9, 1951, pp 1265-1293.

~~SECRET~~

~~CONFIDENTIAL~~

LIA/FOL/X-749

Scientific - Electricity, hydroelectric plants, transmission, voltage, power

Kinetics of Regeneration of Silica-Alumina Catalysts.
Nature of the Process of Oxidation of "Coke" on
Silica-Alumina Catalysts, by G. M. Fanchenkov and
M. V. Golovanov.

Full translation.

RUSSIAN, in part, Iz Ak Nauk SSSR, Otdel Tekhn Nauk,
No 10, 1951, pp 1513-1521.

Assoc Tech Sv Tr RJ-97

Scientific - Chemistry

Mar 53 CTS

\$14.75 (\$1.95)

Experimental Determination of Local and Average
Coefficients of Heat Transfer During Turbulent
Flow of Liquids in Tubes, by I. T. Alad'ev.

Full translation.

RUSSIAN, no per, Iz A' Nauk SSSR, Otdel Tekh Nauk,
No 11, USSR, 1951, pp 1669-1681.

AEC Tr 1493

Scientific - Physics, coefficients heat transfer,
liquids

Handwritten: 4374 NACA 1356

Diffusion of Elements in Molten Iron, by Stark,
Tchelischev, Kazatshkov, 5 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 11.
1951, pp 1689. CIA 9005585

Sci - Min/Met

Jun 57

48,221

On the Fundamental Concepts of the Theory of Phase Transformations in Solids, by V. I. Arkharev

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 11, 1951, pp ~~XXXX~~ 1744-1751.

5

Brutcher Tr 2851

Scientific - Minerals/Metals
CTS/DEK

Price 8 40

5911

Current Asymmetry in A-C Arcs Between Electrodes of
Dissimilar Current-Conducting Materials, by G. M.
Tikhodeyev.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,
No 12, 1951, pp 1777-1785.

HB 5176

Sci

Sep 61

170,091

61-25406

Yurov, S. G. and Khazanov, V. S.
THE EFFECT OF TEMPERATURE ON THE
SPECTRAL TRANSMISSION OF COLOURED GLASS
(Vliyaniye Temperatury na Spektral'noe Propuskanie
Tsvetnogo Stekla) tr. by G. Belkov. 1961, 14p. 4 refs.
NRCC Technical Trans. 965.
Order from NRCC \$1.00 NRCC C-3721

Trans. of Akad[emiya] Nauk SSSR, Otdel[enie]
Tekhnicheskikh Nauk, Izvest[inya] 1951, no. 12,
p. 1792-1800.

DESCRIPTORS: Temperature, Light transmission,
*Spectrographic data, *Glass, *Colors, Optical filters.

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

- I. Yurov, S. G.
- II. Khazanov, V. S.
- III. NRCC TT-965
- IV. NRCC C-3721
- V. National Research Council
of Canada

Office of Technical Services

Combustion of a Carbon Particle Moving
in a Gas Flow, by Z. S. Leont'eva.
RUSSIAN, per, Izv Ak Nauk SSSR OTN,
No 12, 1951, pp 1801-1811.
NASA TT F-10,000

Sci-Fuels
Apr 66

298,665

(FDD 21065)

Celebration of the 80th Anniversary of Member of the
Academy G. N. Krzhizhanovskiy, 1 p.

RUSSIAN, no par., Iz Ak Nauk SSSR, Otdel Tekh Nauk,
No 2, Moscow, Feb 1952, p 326.

CIA/FID U-5928

USSR

Scientific - Engineering, power

15,639

Heat Transfer in Boiler Furnaces, by P. K.
Konakov. UMI.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,
No 3, 1952, pp 367-373.

DSIR LIU (loan) M.373

Sci - Phys
Jul 59

90, 164

Kinetics of the Regeneration of Aluminosilicate
Catalyst. Mechanism of the Oxidation of Coke
on Aluminosilicate Catalysts, by O. M. Pauchekov,
E. V. Golovanov, 14 pp.

RUSSIAN, no per, Iz Ak Nauk SSSR, Otdel Tekh
Nauk, 1952, pp 384-394.

CIA/PDD/X-2357

Sci - Chemistry
Apr 1957 GTS/dex

46,048

Chief Factors in Determining Gas Capacity of
Coals at Atmospheric Pressure, by I. L. Ettinger

RUSSIAN, per Iz Ak Nauk SSSR, Otdel Tek Nauk, 1952,
No 3, pp 423-432.

D.S.I.R. Tr No ER CTS 15

Scientific - Fuels

List No 49, Apr 1953

1067

Heat of Activation in the Process of Sur-
face Self-diffusion of Metals, by
I. Fedorchenko

RUSSIAN, per, Izvest. Akad. Nauk SSSR

Otdel. Tekhn. Nauk, no. 4, 1952 PP.560-571

*CFSTI TT 70-57023

Sci/phys

Feb 70

Detection of Sources of Spontaneous Combustion of Coal in Mines, by G. L. Orleyanskaya,
13 pp.

RUSSIAN, par, In Ak Nauk SSSR, Otdel Tekh
Nauk, No 6, 1952, pp 877-882. CIA D151227

Sci Tr Center RT-1967

Scientific - Geophysics Apr 55 GTS

22,820

Effusion Combustion of Carbon, by E. S. Golovina

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tek Nauk,
1952, No 7, pp 1011-1025.

CIA/F.D. X-2083
D.B.I.R. Tr No T.C.L. 45

C.T.S. 21

Scientific - Chemistry

List No 49, Apr 1953

74.10 = (52.01)

1091

The Theory of Surface Combustion, by Z. F. Chulchanov.

RUSSIAN, no per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,
No 8, 1952, pp 1160-1171.

CIA/FDD X-2174

35,338

USSR

Sci - Chemistry *Fuchs*

Physics

CBS/ dex Juns 1956

Determination of Oxygen, Nitrogen, and Hydrogen
Contents in Hard Steel, by R. A. Erasev, A. Yu.
Poliakov. UNCLASSIFIED

RUSSIAN, DER. Iz Ak Nauk SSSR, Otdel Tekh Nauk,
Sep 1952, pp 1360-1368.

Navy Tr 599/BuShips 555

Scientific - Minerals/Metals
8 pp (orig)

May 54 CTS

14,030

Heat Transfer in Turbulent Motion of Liquid in
Tubes, by M. A. Mikheyev, 11 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,
1952, pp 1448-1454.

AEC Tr 3760

Ser - 1450

Sep 59

96,726

The Kinetics of the Interaction of Metal and
Slag From the Point of View of the Ionic
Theory, by G. A. Esin, A. I. Okunev. URCL

RUSSIAN, part, Iz Ak Nauk SSSR, (Izdol Tekh
Nauk, No 10, 1952, pp 1472-1482.

DSIR LLJ 14.1312

(loan)

Sci - Min/Int

May 60

116,589

Breaking Down of Crystal Blocks and Appearance of
Microstresses in the Metal During Plastic Deformation,
by B. M. Rovinskiy and L. M. Rybakova, 7 pp.

RUSSIAN, no per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 10,
Moscow, Oct 1952, p 1483-1487.

NACA N-37216

USSR

Sci -

Engineering

25,809

Silicosis in the Mining Industry in the USSR,
USSR.

RUSSIAN, par, Iz Ak Nauk SSSR, Otdel Tekh Nauk,
No 10, 1952, pp 1578-1581.

DSIR LLO M.1346
S2AP 60-17181
(loan)

Sci - Med
Apr 60

112,687

Effect of Moisture on the Methane Content of Coal, by
V. V. Khodot.
RUSSIAN, per, Izvestiya AN SSSR, Otd Tekh Nauk., No 12,
1952, pp 1802-1810.
*NIIS TT 72-53018

Mar 72

The Use of High-Frequency Current ² for the Through Heating of Steel Bars, by V. P. Vologdin

RUSSIAN, per, Iz Ak Nauk SSSR, No 1, Jan 1953, pp 3-15.

Butcher Tr 3285

^c
Scientific - Minerals/Metals
Jul CTS/MEK

Price \$5.90

15,968

Investigations of Wave Phenomena in Hydraulic Structures on Navigable Rivers and the Methods of Their Three-Dimensional Model Studies, by I. V. Egiashov.

RUSSIAN, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 2, 1953.

Dept of Int
US Bur of Reclamation
Tech Lib
Denver, Colo.

Sci - Engr

90, 324

Jun 59

To the Question of a Unified Method of
Determining the Strength of Coal, by
H. M. Protod'yakonov, 25 pp.

RUSSIAN, per, Tz Ak Nauk SSSR, Otdel
Tekhn Nauk, No 2, 1953, pp 283-290.

MDF F-123
9093059

Sci
Nov 61

173, 320