

Conductibilité Thermique de Bronze Phosphorique
aux Températures de l'Helium Liquide, by
R. A. Chentsov, 4 pp.

RUSSIAN to FRENCH, per, Zhur Ekaper i Teoret
Fiz, SSSR, Vol XXVII, 1954, pp 126-128. 9093942

CEA R-1595
Reverse Translation

Sci
Oct 62

Electric Equation for Electrons in Metals in
Strong Fields, by V. P. Zhukovskiy. UDC1.

RUSSIAN, per, Zhur Kaper i Teoret Fiz,
Vol. 10, No. 3, 1954, pp 142-146.

U.S. Lending Library Unit A.60

Sci - Phys
Apr 59

83,982

Deviation From Ohm's Law in Metals,
by V. P. Shubanskiy.

RUSSIAN, mime per, Zhur Eksp. i Teoret Fiz,
Vol XXVII, No 2, 1956, pp 147-155.

Insdoc
National Physical Lab of India
Hillside Road
New Delhi-12, India

59,130

Sci - Physics
Sep 58 GFB/Zom

Thermal Formation of F-Centers in Silver Halide
Crystals, by P. V. Mayklyar, R. S. Shimanovskiy, 12pp.

RUSSIAN, per, Zhur Kasper i Tsvet Fiz, Vol XXVII,
1951, pp 156-161.

CIA/X-1802

USSR
Sci - Physics

26, 338

Dielectric Permeability of Plasma Located in a
Stationary Magnetic Field, by N. N. Gertsenshtein,
11 pp.

RUSSIAN, per, Zhur Elekt. i Magnet. Vol XXVII,
1954, pp 180-188.

ABC Tr 2604

Sci - Electricity, Physics
Nov 56 (11)

40,470

Investigation of the Speed of ~~XXXXXXXX~~ Development
of a Long Spark, by I. S. Stokolnikov, M. A. Baginov,
6 pp.

REBELIAN, par, Khan' Ekspit' i Teoret, Fiz, Vol XXVII,
1954, pp 189-194.

AND Tr 2605

Sci - Physics
Inv 56 CFE

40,471

Destruction of Superconductivity of Films in Magnetic Field, by A. V. Gurevich.

RUSSIAN, per, Zhur Eksp. i Teor. Fiz., Vol XXVII, 1954, pp 195-207.

SLA R-1008
UKSM T.1639

Sci - Electricity, Physics 52,379

Sep 57

Dependence of the Magnetostriction of Ferromagnetic
Alloys on Temperature, by D. I. Volkov, V. I. Che-
chernikov. UNCLASSIFIED

RUSSIAN, per, Zhur Pimper Theoret Fiz, Vol XXVII,
No 2, 1970, pp 220-221

Access Tech Sv RJ 1307

Sci - Phys
Per 58

75,893

Heat Capacity of a Gas at High Temperatures, by
B. L. Timan, 4 pp.

RUSSIAN, Ref, Zhur Eksp'tl i Teoret Fiz, Vol XXVII,
1954, pp 252-264. 208066)

AEC Tr 2607

Sci - Physics
Rev 56 CBB

40,473

SLA R-2016

Zhur Ekspert i Teoret Fiz, Vol XXVII, 1954,
pp 269-274, 2 pp abstract

CIA C 37820

AF 664607

Zhur Eksp. i Teor. Fiz, Vol XXVII, 1954,
pp 275-282, 2 pp abstract

CIA C 57620

AF 664607

Shock Waves in Binary Mixtures, by S. P. Dyakov,
7 pp. (AP 664607)

RUSSIAN, bino per, Zhur Eksp'tl i Teoret Fiz,
Vol XXVII, 1954, pp 283-287.

ARC Tr 2448

34,487

Scientific - Physics

May 56 CDS/DEX

Zhur Ekspert 1 Teoret Fiz, Vol XXVII, 1954,
pp 288-295, 2 pp abstract

CIA C 37820

AF 664607

Zhur E. Paper 1 Teoret Fiz, Vol XXVII, 1954,
pp 296-306, 2 pp abstract

CIA C 87820

AF 664607

Zhur E. I. Teoret Fiz, Vol XXVII, 1954,
pp 307-312, 1 p abstract

CIA. C 37820

AF 664607

Zhur Ekspert i Teoret Fiz, Vol XVII, 1954,
pp 313-317, 2 pp abstract

CL C 37920

MF 664607

The Application of a Photoelectric Recording
Method to Molecular Analysis by Raman Spectra,
by Ya. S. Bobovich, D. B. Gurevich. UNCL.

RUSSKAM, per, Zhur Raman Fiz. No 9,
1954, pp 313-332.

DSIR LIU (1cm) M. 352

Sci - Phys
Jul 59

90,133

Zhur Ekspert i Teoret Fiz, Vol XXVII, 1954,
pp 333-346, 2 pp abstract

CIA C 37620

AF 664607

Zinn: Elmer I Tetter Fiz, Vol XXVII, 1954,
pp 347-350, 2 pp abstract

UIC C 37820

AF 664607

Process of Coloring Alkali Halide Salt Crystals
By Exposure to X-rays, by N. P. Malabukhov, 9pp.

RUSSIAN, per, Zhur Ekspri i Teoreticheskoi Fiz,
Vol XXVII, No 3, 1954, pp 347-350.

CIA/X-1805

USSR
Sci - Physics

26,337

Measurement of the Thermomechanical Effect in
Helium II at About 1° K, by V. P. Peshkov, 7 pp.

RUSSIAN, no par, Zhur Eksp. i Teoret Fiz, Vol
XXVII, No 3, 1954, pp 351-354.

Sci Tr Center RT-2816

Scientific - Physics
Dec 55 CTR/DEX

29,426

The Hall Effect and Variation of Resistance of
Lead, Copper, and Magnesium in the Magnetic Field,
by E. S. Borovik, 14 pp. UNCLASSIFIED

RUSSIAN, per, Zhur: ~~Ekspoz. i Interpret Fiz~~, Vol XXVII,
No 3 (9), 1954, pp 355-368.

Navy Tr 1165/NRL 513

Scientific - Physics.
Apr 55 CTS

23,368

Photoeffect of Surface Levels, by G. E. Pileus,
19 pp.

RUSSIAN, bibio per, Zh Eksp Teor Fiz, Vol XXVII,
No 3 (9), 1954, pp 369-381.

Morris D. Friedman f - 5

30,282

Scientific - Physics

Jan 56 CTS/DEX
\$9.50

Determination of the Time of Regression and the
Coefficient of Shrinkage of Thick-Layer Photographic
Emulsion, by I. N. Gramenitskiy and M. I. Podgoretskiy,
5 pp.

RUSSIAN, per, Zhur. Eksperi i Teoret Fiz, Vol. XXVII,
No 3, 1954, pp 389, 390.

CIA/X-1806

26,332

USSR
Sci - Physics

Chur Elasper i Teoret Fiz, Vol XXVII, 1954,
pp 332-334, 2 pp abstract

CIA C 37320

AF 664607

Zhur Ekaper i Teoret Fiz, Vol XXVII, 1954,
pp 384, 385, 1 p abstract

CIA C 37820

AF 664607

Zhur I. Ispert i Teoret Fiz, Vol XXVII, 1954,
pp 386, 387, 2 pp abstract

CIA C 17820

AF 664607

Zhur Paper 1 Teoret Fiz, Vol XXVII, 1994,
pp 387, 388, 2 pp abstract

CIA C 37820

AF 664607

Solution of Simplified Fock Equations in Bicon-
figurational Approximation for the Beryllium-Type
of Atoms, by A. P. Yutsis, V. V. Kibartas, et al, 8 pp.
RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XXVII,
1958, pp 425-430. 9224333
AEC-ANL-Tr-16

OTS ANL - Trans-16

Sci-Phys
Aug 64

262,924

Use of Molecular Beams for the Radio-
Spectroscopic Study of the Rotational Spectra
of Molecules, by N. G. Basov, A. M. Prokhorov,
13 pp.

RUSSIAN, bino per, Zhur Elgar 1 Teoret Fiz,
Vol. XXVII, No 4(10), 1954, P 431-438, 9092578

AEC TRANS 2301

Morris D Friedman - B-105

\$4.00

Scientific - Physics

SLA 57-15045

Q78 69/Jun 55

24,739

Determination of the Absorption Coefficient
of Powdered Phosphors, by V. V. Antov-Roman-
ovskii.

RUSSIAN, per, Zhurnal Eksperimentalnoi i
Teoreticheskoi Fiziki, Vol 26, 1954,

pp 459-72.

ATB-8688E

331, 492

Sci - Chem
Jul 67

Violation of the Boguslavskiy-Langmuir Law Concerning
the Heating of a Tungsten Cathode of a Vacuum Tube
by a Pulsed Current of High Density, by S. V.
Lebedev, 45 pp.

RUSSIAN, per, Zhur. ~~Elektr. i Teor. Fiz.~~, Vol XXVII,
No. 10, Oct 1954, pp 487-500.

SLA Tr R-1026

Sci - Electronics
Jun 58

578,185

501-7-117

Theory of X-Ray Absorption Spectra, by E. Ye. Vaynshteyn,
R. L. Barinakiy, et al, 11 pp.
RUSSIAN, per, Zhur Eksp. i Teoret. Fiz, Vol XXVII, No 4,
1954, pp 521-528.

JPRS 23510

Sci-Mat & Met
Mar 64

251,524

Some Questions of Relativistic Hydrodynamics, by
I. M. Khalatnikov, 12 pp.

RUSSIAN, per, Zhur. Eksp. i Teoret. Fiz. 2 Vol. XXVII,
1958, no. 529-341.

ABC Tr 2608

Sol. - Physics
Nov 56 CFB

40,474

On the Electro-Acoustical Waves in a Gaseous
Discharge Plasma, by N. V. Konyukov, Ya. P.
Terletsky.

RUSSIAN, per, Zhur. Ekaper i Teoret Fiz, Vol
XXVII, No 5, (11), pp 542-548.

Coop Trans Scheme No 169
12.16a. (7a.Od.)

Sci. Physics

May 1956

33.7/7 50.00.1
-11.13

On Some Properties of a Weakly Non-Ideal Electron
Gas, by G. M. Zilberman, 11 pp.

RUSSIAN, per, USSR Acad. Sci. Ser. Phys. Sci., Vol. XXVII,
1938, pp. 549-555.

ABU Tr 2510

Sci. - Electron, Physics
Nov 56 CIB

40,475

The Dielectric Strength of Metal Titanates of
Group II of the D. I. Mendeleev Periodic Table
for Direct and Alternating ($f = 50$ CPS) Voltages,
by V. I. Sarafanov, 3 pp.

RUSSIAN, per. ~~Yuz. Kuznetsov~~ i Zhurnal Fiz., Vol XXVII,
1954, 15, 1111-1114.

AEC Tr 2611

Sci - Electric, Minerals, Metals *Physics*
Nov 56 CPS

40, 476

Dielectric Strength of Titanates of Metals in
Group III of the Periodic Table for High Frequency
Voltage, by G. I. Shumari, V. I. Sarafanov, 11 pp.

RUSSIAN, per, Zhur Nikapil' Teoret Fiz, Vol XXVII,
1958, pp 595-604.

ABC Tr 2612

Sci - Electricity
Nov 56 (FEB)

Physics

40,477

Lebedev, S. V.
 PHENOMENA IN TUNGSTEN WIRES PRECEDING
 THEIR DISINTEGRATION UNDER THE EFFECTS
 OF HEAVY CURRENT [Vzveneniye v Volframovykh
 Provolokakh. Predshcheyushchiye ikh Vzryvu pod
 Deystviyem Sil'nogo Toka]. Sep 60, 1959. 5 refs.
 Technical notes no. PRL-TN-7; AD-244 828.
 Order from LC or SLA ml\$2.40, ph\$3.30 60-27011

Trans. of Zhurnal teoreticheskoy fiziki (USSR) 1954, v. 27, no. 5(11) p. 605-614.
 Another translation is available from LC or SLA
 ml\$2.70, ph\$4.80 and SCL-T-239, 27 Mar 59, 21p.

(Physics--Theoretical, TT, v. 5, no. 2)

60-27011

- I. Tungsten wire--Detonation
- I. Lebedev, S. V.
- II. PRL TN-7
- III. Belkman Research Labs.,
 Picatinny Arsenal,
 Dover, N. J.
- IV. Joint Publications Research
 Service, New York
- V. AD-244 828

Office of Technical Services

OF COMBINATION LIGHT SCATTERING. (Rautian, S. G. 18
Translated by Helen J. Duthley (Los Alamos Scientific Lab.,
N. Mex.), from Zh. Eksp. Teor. Fiz., 27: (25-35) (1954). 17017).

Relativistic translations 2120

24MN-34 19P NSA

Dew Points of Mixtures of Helium Isotopes,
by B. N. Kbel'mon, N. G. Berezhnyak,
2 pp.

RUSSIAN, Zhur Eksp. i Teoret Fiz, XXVII,
1951, pp 648, 649.

SLA 16790
ABC Tr 2298

Assoc Tech Serv Tr 6807R

Sci - Chemistry

27,205

Inelastic Reflection of Electrons From the Surface
of Cuprous Oxide, by H. B. Goryun, 6 pp.

RUBESIAN, also par, Zhur Eksp 1 Teoret Fiz,
Vol XXVII, 1958, p 45-46

Morris D. Friedman G-125
\$3.00

Scientific - Physics

CIS 67/Apr 55

22,943

On the Computation of Polarons by Direct
Variational Methods, by S. I. Pekar, 6 pp.

RUSSIAN, Memo per, Star Eksp. i Teoret. Fiz.,
Vol. XXVII, 1954, pp. 651-653. ~~CIA D 193572~~

Morris D. Friedman
\$3.00

P-100

Scientific - Physics

OTB 67/Apr 55

72, 94.6

Binary Distribution Functions for a System of
Interacting Charged Particles, by I. R.
Yushmanov, 12 pp.

RUSSIAN, per, Zhur Eksp. i Teoret Fiz, Vol XXVII,
1954, pp 690-698.

AEC UCRL-Trans-669(L)

Sci
Oct 61

171, 242

List 59

Spectral Theory of Gas-Magnetic Isotropic
Turbulence, by S. A. Kaplan.
RUSSIAN, per, Zh Eksp. Teor Fiz, No 27, 1954,
pp 689-
*ABC

Sci/Phy
Jun 60

The Effect of the Interaction of Ions on Their
Equilibrium Concentration in Multiple Thermally
Reversed Gases, by B. L. Tuman.

RESEARCH, per, Zinn: Deep Tech File, VOL XXVII,
1954, pp 708-711. 9203659

UFGI Tr 674(L)

Sci - Chem

Mar 63

926, 558

Method for Investigating the Secondary Emission Upon
Bombardment of the Conductors With Ions, by U. A.
Arifov, A. M. M. Ayukhanov, S. V. Starodubtseva,

NUBEM, Ser. Zhur Zhur 1 Teor. Fiz, No 6, 1954,
pp. 722-724, 905 (44).

AEC Tr-5055

Sec. - Phys
Jul. 62

204, 250

On the Theory of Magnetic Properties of
Atomic Semi-Conductors. Part I, by L. L.
Korenblit, 9 pp.

RUSSIAN, bimo pag, 2 lin Ekaper 1 Teoret
Fiz SSSR, Vol XXVII, No 6(12), 1954,
pp 719-727.

Navy Tr 1283/ERL 544

Sci - Physics
Mar 56/CIS DEY

31,901

Shock Waves in a Relaxation Medium, by S. P.
D'yakov, 9 pp.

RUSSIAN, also per, Zhur Eksp. i Teoret Fis,
Vol. XXVII, No 6, 1954, pp 728, 734.

NACA N-41218

Scientific - Physics
Mar 55 CNE/dex

31, 328

On the Generation of Millimeter Band Radioaves When
a Bundle of Electrons Passes Through a Retarding
Medium, by G. A. Adzharyan, 2 pp.

RUSSIAN, dimo per, Zhur: Paper 1 Teoret Fiz, Vol XVII
No 6(12), 1954, p 761.

346 726

Morris D. Friedman

Scientific - Electronics; Physics

May 56 CTS/dex

Conductivity of Thin Metal Films, by
M. I. Kaganov, M. Ya. Azbel, 4 pp.
RUSSIAN, per, Zhur Eksper i Teoret Fiz,
Vol XXVII, 1954, pp 762, 763. 9228386
AEC-AHL-Tr-158

Sci

~~Apr~~

Apr 65

The Conductivity of Thin Metal Films, by
M. I. Kaganov, M. Ya. Arbel, 3 pp.

RUSSIAN, per, Zhur Ekspert i Teor Fiz, Vol XXVII,
1954, p 702.

Sci Mus Lib No 56/2442

Sci - Min/Metals

#2, 845-

28/20/07/07

JOURNAL EXPERIMENTAL NO. 1
TEORETICHESKOY FIZIKI
(Soviet Physics - JETP - monthly)
Translation begins with 1955, Vol. 29
Orig. time ca. 6 months
Order from: American Institute of Physics
335 East 45th Street
New York, N.Y. 10017
1971: \$ 95.00/year USA and Canada
\$ 100.00/elsewhere
\$ 9.00 single current or back issues
USA and elsewhere
(Prepayment required - surface mail postage
is included)

Russ
rel

Mar/Apr 1955 - Full translation
part 10 English of Alan Blumberg's
Tectonics, Beginning in 1951 by
the American Institute of Physics

Vol 1, No 2, - 5 - 10446

May/June - Full translation in English of
Zhuo Wenjun's "Theoretical Physics" (1955)
Physics

Vol. I, No. 1 - 0-40837

Table of Contents of "Journal of Experimental
and Theoretical Physics", 4 pp.

RUSSIAN, bimo per, Zhur Eksper i Teoret Fiz,
Vol. XXVIII, No 1, 2, 4, 5, 1955.

CIA/FDD/X-1832

Zhur Ekspert i Teoret Fiz, Vol XXVIII, 1955,
pp 3-9, 2 pp abstract

CIA C 37620

AP 664607

Zhur Ekspert i Teoret Fiz, Vol XXVIII, 1955,
pp 10-12, 2 pp. abstract

CI C 37830

AF 664607

Zhur Ekspert. Teoret Fiz, Vol XXVIII, 1955,
pp 13-16, 2 pp abstract

CU C 87820

IF 664607

Zhur Ekspert 1 Teoret Fiz, Vol XXVIII, 1955,
pp 17-27, 2 pp abstract

CIN C 37020

AF 664607

Zhur Esper i Teoret Fiz, Vol XXVIII, 1955,
pp 49-50, 2 pp abstract

CIN C 37520

AF 664607

Zhur Ekiper i Teoret Fiz, Vol XXVIII, 1955,
pp 70-76, 2 pp abstract

OL C 37820

AF 664607

Dr. Zhur Ekiper 1971 (C46845)

*Regression of Centers of the Partial
Photographic Image, 7 pp.*

Dr. S. Kazantsev, V. Vasilov

AF 378233

2hr Ekspert i Teoret Fiz, Vol XXVIII, 1955,
pp 111-113, 2 pp abstract

OL C 37820

AF 664607

Zhur Ekspert 1 Teoret Fiz, Vol XXVIII, 1955,
pp 113-115, 2 pp abstract

CIA C 37820

AF 664607

Surface Tension of Liquid Be^3 in the
Temperature Interval Between 0.93 and
3.34°K, by K. N. Zinov'eva, 2 pp.
PER.

RUSSIAN, Zhur Eksp. i Teoret Fiz,
Vol. XXVIII, 1955, pp 125.

AEC Tr 2300

Assoc Tech Serv
Tr 7107R

Sci - Chemistry

29,197

Investigation of High Frequency Discharges by
the Probe Method, by Kh. A. Dzharpetov, G. M.
Pateyuk, 9 pp.

RUSSIAN, per, Zhur. Eksp. i Teoret. Fiz.,
Vol. XXVIII, 1955, pp 343-351.

ABC Tr-2616

Sci. - Phys
May 61

150,354

Zhurk Ekeper 1 Teoret Fiz, Vol XXVIII, 1955,
pp 151-159, 2 pp Abstract

CIA C 37820

MF 664607

Zhur Eksp. 1 Teoret Fiz, Vol. XXVIII, 1955,
pp 150-170, 2 pp abstract

CIA C 37320

AF 664607

Self Quenching Photon Counters, by S. F.
Rodinov, M. S. Zaikin, & A. I. Schalnikov, 11 pp.

RUSSIAN, no per, Zhur Eksper i Teoret Fiz,
Vol. XXVIII, No 2, 1955, pp 223-227.

SLA R-1142

May 58

63,880

Increasing the Q of a Cavity Resonator by Using
Regeneration, by N. G. Basov, V. G. Veselago,
M. E. Zhabotinskiy, 1 p.

RUSSIAN, also par, Zhur Ekspar i Teoret Fiz,
Vol XXVIII, No 2, 1955, p 242.

Morris D. Friedman - 18-10-56

\$1.00

38 2 44

Sci - Physics

Zhur Ekspert i Teoret Fiz, Vol XXVIII, 1955,
pp 214, 215, 2 pp abstract

CIA C 38620

AP 664607

Zhur Eksper 1 Teoret Fiz, Vol XXVIII, 1955,
pp 246-248, 2 pp abstract

CLC 37820

AF 664607

On Possible Methods of Obtaining Active
Molecules for a Molecular Generator, by
H. G. Buzov, A. K. Prokhorov, 3 pp.

RUSSIAN, also per, Zhur Ester i Teoret Fiz,
Vol XVIII, No 2, 1955, p 249.

Morris D Friedman
\$4.00

Scientific - Physics

24, 740 OTB 69/Jun 55

The Phenomenological Relationships of
Ossinger, by K. Karanikolov, 5 pp.

RUSSIAN, per, Zhur Kasper i Teoret Fiz,
Vol XXVIII, 1955, pp 283-286.

SIA R-2137

Sci

Aug 58

72,844

On Spontaneous Fission of Thorium, by K. A. V.
Podgornskaya, V., E. Kalashnikova, G. A. Stolyarov,
R. D. Vorob'ev, G. N. Flerov, 6 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XXVIII,
1955, pp 503-505.

X Sci Mus Lib Tr 55/2023

A.E.R.E. Lib Tr 569

Sci - Chemistry

Physics

~~20,861~~
31,677

62-14472

Bass, F. G. and Tsidi'kovskii, I. M.
ON THE THEORY OF THE HALL AND NERNST-
ETTINGHAUSEN EFFECTS IN MIXED-CONDUCTION
SEMICONDUCTORS. [1962] 21p. 5 refs.
Order from ODS or SLA \$2.00

62-14472

- I. Title: Electromotive forces
- I. Bass, F. G.
- II. Tsidi'kovskii, I. M.

Trans. of Journal Eksperimental'noi i Teoreticheskoi
Fiziki (USSR) 1955, v. 28, no. 3, p. 312-320.

DESCRIPTORS: *Semiconductors, Hall effect,
Electrons, Magnetic fields, Impurities, Theory.

The Hall and Nernst-Ettinghausenelectromotive forces
and the distribution of carrier concentrations are
calculated for a mixed conduction semiconductor in
a nonuniform magnetic field. Taken into account are
the presence of impurity levels and carrier
recombination. (Author)

(Physics--Solid State, JET, v. 8, no. 10)

Office of Technical Services

Nuclear Disintegrations Associated With Heavy
Unstable Particles, by I. M. Gerasimovskiy, E. A.
Zaslavskaya, M. I. Podgoretskiy, M. I. Tret'yakova,
M. N. Shcherbakov, 4 pp.

RUSSIAN, bimo par, Zhur Eksp 1 Teoret Fiz,
Vol XXVIII, 1955, pp 616, 617.

AEC Tr 2135

Scientific - Nuclear Physics
CNS 72/Sep 1955

26,561

Reaction (D,p) Pour Noyaux Lourds. ((d,p) Reaction
for Heavy Nuclei), by K. A. Ter-Martirosyan, 46 pp.

RUSSIAN to FRENCH, per, Zhur Elaper i Teoret Fiz,
Vol OIX, 1955, pp 7-3-729.

Reverse Trans
CEA tr R-155

Nov 59

Adiabatic Process at High Temperatures, by I. L.
Apteher*, D. L. Timan, 2 pp.

RUSSIAN, no par, Zhur Neper i Teoret Fiz, Vol
XXVIII, 1955, pp 758, 759.

American Inst of Physics
Soviet Physics, Vol II, No 2

Sci - Physics
Feb 57 CTS

43,828

AE 111111

Title of Contents of Abstracts of "East Express"
1. Terce, Plz, Vol 2, No 1 (7), 1955, 1 p.

RUBINIAN, to per, East Express: Terce Plz, Vol 2,
No 1, (7), 1955.

CIA/FDDX-18

Theory of the Molecular Attraction Forces Between
Solids, by E. M. Lifshits.

RUSSIAN, per, Zhur Eksptl i Teort Fiz, Vol XXIX,
No 1, 1955, pp 94-110.

UKSM GB 43

Sci -

Physics

52, 251

Sep 57

Academician Nikolai Nikolayevich Andreyev, 3 pp.

RUSSIAN, no par, Zhur Eksper i Teoret Fiz, Vol.
XXIX, No 2, 1955, pp 137-139.

American Inst of Physics
Soviet Physics, Vol II, No 2

Sci - Physics
Feb 57 GTS

4-3,802

Tensors Which are Characterized by Two Real
Spinors, by G. A. Zaitsev, 7 pp.

RUSSIAN, no per, Zhurn Eksper i Teoret Fiz, Vol
XXIX, No 2, 1955, pp 166-175.

American Inst of Physics
Soviet Physics, Vol II, No 2

Sci - Physics
Feb 57 CHS

43, 811

On a Theory of the Electrical Conductivity of
Metals, by P. S. Zyrjanov, 5 pp.

RUSSIAN, no per, Zhur Eksper i Teoret Fiz, Vol
XXII, No 2, 1955, pp 193-200.

American Inst of Physics
Soviet Physics, Vol II, No 2

Sci - Physics
Feb 57 CTS

43,812

Photoelectron Emission in a Ferromagnetic, by A. Z.
Vekshel, 6 pp.

RUSSIAN, no par, Zhur Eksper i Teoret Fiz, Vol
XXIX, No 2, 1955, pp 201-208.

American Inst of Physics
Soviet Physics, Vol II, No 2

Sci - Physics
Feb 57 CIB

43,817

The Formation of Negative Oxygen Ions in the Collisions of Positive Oxygen Ions With Gas Molecules, by M. M. Fogel', L. I. Krupnik, 10 pp.

RUSSIAN, not per, Zhur Eksper i Teoret Fiz, Vol XXIX, No 2, 1955, pp 209-220.

American Inst of Physics
Soviet Physics, Vol II, No 2

Sci - Physics
Feb 57 CEB

4.3 813

Phenomena in the Vicinity of Detonation Formation
in a Gas, by K. I. Shchelkin, 5 pp/

RUSSIAN, no per, Zhur Ekspoz 1 Teoret Fiz, Vol
XCIX, No 2, 1955, pp 221-226.

American Inst of Physics
Soviet Physics, Vol II, No 2

Sci - Physics
Feb 57 CTS

43,820