

Contemporary Problems in the Use of Ultrasound. III.
Ultrasonic Microscope, by S. Va. Sokolov, 7 pp.

RUSSIAN, per, Uspekh Fiz Nauk, Vol XL, 1950, pp 20-27.

AEC Tr 3189

Sci - Phys

May 58

62,659

Quantum Theories of Adsorption, by V. L.
Bonch-Bruевич, 42 pp.

RUSSIAN, no per, Uspekhi Fiz Nauk, Vol XL,
No 3, 1950, pp 369-406.

Sci Mus Lib No 55/1123
Nat Res Lib TT-509

Sci - Physics
CTS 71/Aug 1955

25, 744

Combustion of Carbon, by L. N. Khitrin,
O. A. Tsukhanova, 25 pp.

RUSSIAN, no per, Uspekhi Fiz Nauk, VolXLI, No 3,
1950, pp 311-339.

CIA/FDD X 2087

Sci - Chemistry

- Fuels

Jun 56 CTS/ask

35,647

Elementary Particles and the Field, by
D. Blokhintsev, 25 pp.

RUSSIAN, no per, Uspekhi Fiz Nauk, 1950, pp 76-92.

CIA 9031177

AEC Tr 3011

Sci - Physics
Oct 57

54, 275

DSIR Lending Library Unit M. 216
SLA 59-19109

New Data on the Composition and Temperature of the
Higher Layers of the Atmosphere, by G. Rosenberg,
3 pp.

RUSSIAN, no per, Uspekhi Fiz Nauk, Vol XLII, No 2,
1950, pp 327 - 328.

AMC F-TS-7404

Scientific - Physics

Jan 1952 CTS

Survey of Current Data on Radio-Wave Propagation, by
A. L. Alpert, 77 pp. UNCLASSIFIED

Full translation.

RUSSIAN, no per, Uspekhi Fiz Nauk, Vol XLII, No 4,
Moscow, Dec 1950, pp 505-560.

AMC F-75-7501-RE

Scientific - Physics, radio-waves

Usp Fiz Nauk

Vol XLII, # 2 (1950)

This is an abstract of the following
pages:

pp 565-566 (Radio-Wave Propagation)
561-568 (Crystalline + Amorphous Subst)
569-570 (Elec. + Magn. Phenom)
571-584 (Current Res)
585-597 (Symp. on Astronomical Spectroscopy)

Copy in FDD Files

NAD 82409

F-TS-7501

Fresnel Diffraction From Convex Bodies, by V. A. Fok,
19 pp.

RUSSIAN, per, Uspekhi Fiz Nauk, Vol XLIII, 1950,
pp 589-599.

Morris D. Friedman
\$9.50

F-111

Sci - Physics
Mar 59

9092739

84,401

The Band Theory of Solids and the Limits
of Its Application, by F. F. Vol'kenshtein

RUSSIAN, per, Uspekhi Fiz Nauk, Vol XXXXIII,
No 1, 1951, pp 11-29.

AEC Tr 1166

Scientific - Physics

Part I. Transfer and Migration of Energy in Biochemical Processes, by A. N. Terenin.

RUSSIAN, per, Uspekhi Fiz Nauk, Vol XLIII, 1951,
pp 347-379, ~~pages 1 and 2 are pp.~~

AEC Tr 3031

Sci - Physics
Apr 58

61,082

F
Fresnel Diffraction from Convex Bodies, by V. A. Pok,
19 p.

RUSSIAN, per, Uspekhi Fiz Nauk, 1951, Vol XLIII, No 4,
pp 587-599.

SLA 59-20285

Sci
Mar 60
Vol 2, No 11

109,768

Usp Fiz Nauk Vol 44, #1 (1951)

Dynamical Stability of a Pendulum
Attached to an Oscillatory Suspension

CIA X- 7186
FOUO

P. L. Kapitza

PT-1013

proj 10008

A-2900.1

Same article as in Zhur Ets i Jes Fiz,
Vol 11, # 5, pp 588-597 (1951)

WAK

SR 25 Out 51

Can Crystals be Simultaneously Isotropic and Anisotropic?, by A. V. Shubnikov.

Full translation.

RUSSIAN, no per, Uspekhi Fiz Nauk, [USSR], Vol XLIV, No 1, 1951, pp 3-6.

AEC Tr 1432

USSR

RT-944

Scientific - Physics, chemistry, ~~in~~ isotropic, anisotropic

Nov 52 CTS/DEZ

Some Applications of the Second Law of Thermodynamics to Electrical Fluctuations, by G. S. Gorelik, 11 pp.

RUSSIAN, no per, Uspekhi Fiz Nauk, Vol. ~~XLIV~~ XLIV, No 1, 1951, pp 33-45.

Sci Tr Center
RF-3938

39,124

Sci - Physics
Sep 56 CTS/dex

On the Origination of Cosmic Rays, by Ya. P. Terletskii

Full translation.

USSR

RUSSIAN, per, Uspekh Fiz Nauk, Vol XLIV, No 1, 1951,
pp 46-69.

AEC Tr 1297

Scientific - Physics

RT-738

Jun 52 CTS

DEX

Visualization of Space Modulated Sound Waves, by
S. N. Rzhevkin, 9 pp.

RUSSIAN, per, Uspekhi Fiz Nauk, Vol XLIV, No 1,
1951, pp 70-79.

Sci TransCenter RT-913

Scientific - Physics

CTS/DEX

14,068

Magnetic Spectroscopy and Radiospectroscopy of the
Atomic Nucleus, by V. K. Arkad'ev.

Full translation.

RUSSIAN, no par, Uspekhi Fiz Nauk, USSR, Vol XLIV,
No 1, 1951, pp 80-88. *CIA 9834404-C*

AEC Tr-1046

Scientific - Physics, nuclear physics, spectroscopy,
radiospectroscopy

Dec 52 CTS/DEX

Sikhote Alin Meteorite and its Value for Problems Concerning the Origination and Evolution of the Solar System, by V. G. Fesenkov, 9 pp.

RUSSIAN, no per. ^{Vol XLIV} ~~Uspekhi Fiz Nauk~~, ~~Vestnik~~,
No 1, 1951, pp 89-103.

Sci Tr Center RT-722

10,870
Scientific - Geophysics

1. There Always a "Dualism" In Waves and Particles?,
by D. I. Blokhintsev.

Full translation.

RUSSIAN, per, Uspekhi Fiz Nauk, Vol 44, No 1, USSR,
1951, pp 104-109.

AEC Tr 1340

Scientific - Physics

KT-669

Aug 52 CTS

DEX

The Corpuscular Aspect of Matter, Ya. I. Frenkel'.

Full translation.

RUSSIAN, per, Uspekhi Fiz Nauk, Vol XLIV, No 1, USSR,
1951, pp 110-116.

AEC Tr 1312

Scientific - Chemistry

Phase Displacement During the Reflection of Light by
Thin Layers, by V. Yur'ev.

Full translation.

RUSSIAN, per, Uspekhi Fiz Nauk, Vol 44, No 2, USSR,
1951, pp 283-287.

AEC Tr 1363

Sci - Physics

RT-257

Aug 52 CTS

DEX

B. Ya. Pines High Illuminating-Power X-Ray Monochromators, by D. B. Gogoberidze.

RUSSIAN, per, Uspekhi fiz. Nauk, Vol XLIV, (2), 1951, pp 291-292.

Fulmer Research Institute
Tr No 32 OT/404

Scientific - Physics, illuminating-power, X-Ray,
monochromators

Index Aeronauticus

New Developments in the Technique of Focusing X-Rays,
by I. A. Bagaryatskii.

RUSSIAN, per, Uspekhi fiz Nauk, Vol XLIV(2), 1951,
pp 292-295.

Fulmer Research Institute

Tr No 34 OT/409

F. R. I. No. 34
Scientific - Physics, X-rays, techniques

Index Aeronauticus

Also available in English Not Lab.

Slow Electromagnetic Waves, by A. I. Akhiezer,
Y. B. Faynberg, 30 pp.

RUSSIAN, per, Uspekhi Fiz Nauk, Vol XLIV, No 3,
Jul 1951, pp 331-339.

S.L.A. Tr R-517

Sci - Electricity
May 57

48,726

(FDD 21298)

Slow Electromagnetic Waves, by A. I. Akhiezer,
Ya. B. Faynberg, 30 pp.

RUSSIAN, no a per, Uspekhi Fiz Nauk, Vol XLIV,
No 3, Moscow/Leningrad, ~~Jul 1952~~, pp 331-339,
355-360, 360-369.

CIA/FDD/U-6189

USSR

Sci - Geophysics, electromagnetic waves

18,371

Table of Nuclear Moments, by Dzh. E. Makk, ³¹/₂ pp

RUSSIAN, no per, Uspekhi Fiz Nauk, Vol XLIV, No 3,
1951, pp 393-436.

Sci Tr Center RT-667

Scientific - Physics

10,683

Photonuclear Reactions With the Formation of
Protons, by B. R.

Full translation.

RUSSIAN, per. Uspekhi Fiz. Nauk, Vol XLIV, No 3,
USSR, 1951, pp 437-442.

AEC Tr 1523

USSR

PT-1760

Scientific - Nuclear physics, protons

Brookhaven Nat Lab Mar 24 1953

863

Gamma Spectroscopy With the Aid of Scintillation
Counters, by A. Vaisenberg.

Full translation.

RUSSIAN, per, Uspekhi Fiz Nauk, Vol XXXIV, No 3, 1951,
pp 453-457.

AEC Tr 1491

Scientific - Physics, spectroscopy, scintillation

Jan 53 CTS/DEX

The Pressure of Light Measured With a Mirror Placed
in a Refractive Medium, G. Rozenberg.

Full translation.

RUSSIAN, no per, Uspekhi Fiz Nauk, Vol XLIV, No 3, USSR,
1951, pp 463-466.

AEC Tr 1379

Scientific - Physics, Refractive Medium

Sep 52 GRS/DEX

Handwritten: 35.2

The So-Called Physical Conception of Matter, by
S. G. Suворov.

Full translation.

RUSSIAN, no per, Uspekhi Fiz Nauk, USSR, Vol XLIV,
No 4, 1951, pp 485-510.

AEC Tr 1462

Scientific - Physics, matter

KT-933

Dec 52 CTS/DEX

New Data on Radio Emission of the Sun and of the Galaxy, by G. G. Gekmantsev.

Full translation.

RUSSIAN, no per, Uspekhi Fiz Nauk, USSR, Vol XLIV, No 4, 1951, pp 527-557.

AEC Tr 1450

Scientific - Geophysics, radio, sun, galaxy
RT 674

Dec 52 CTS/DEX

Fresnel Diffraction From Convex Bodies by V.A. Fock.

RUSSIAN, per, Uspekhi Fizicheskikh Nauk, Vol XLIII,
1951, pp 587-599.

CSIRO

Oct. 62

Properties of Nuclear-Active Particles of Atmospheric
Cosmic Ray Showers, by L. ~~Eidus~~.

EIDUS

Full translation.

RUSSIAN, no per, Uspekhi Fiz Nauk, USSR, Vol XLIV, No 4,
1951, pp 610-611.

AEC Tr 1448

Scientific - Physics, nuclear physics, cosmic ray

Dec 52 CTS/DEX

Also called Cosmic Ray Matter Lab.

The Magnetic Field of the Earth, by V. L.

Full translation.

RUSSIAN, per, Uspekhi Fiz Nauk, Vol 44, No 4, USSR,
1951, pp 616-618. (CIA 542943)

AEC Tr 1349

ATIC F-TS-8960/III

Sci - Physics

Aug 52 CTS

DEX

Instantaneous Photography, by L. I.

Full translation.

RUSSIAN, no per, Uspekhi Fiz Nauk, Vol XLIV, No 4, USSR,
1951, pp 618-622.

ABC Tr 1374

KT-950

Scientific - Physics, Optics, Photography

Rep 52 CTS/DEX

News in Diffraction Microscopy, by G. R.

Full translation.

RUSSIAN, no per, Uspekhi Fiz Nauk, Vol XLIV, No 4,
USSR, 1951, pp 622-625.

ABC Tr 1378

Scientific - Physics, Microscopy

Sep 52 CTS/DEX

and Joseph L. ...

The Interference Microscope, by V. Yur'ev.

Full translation.

RUSSIAN, per. Uspekhi Fiz Nauk, Vol 44, No . USSR,
1951, pp 626-628.

AEC Tr 1362

Sci - Physics

Aug 52 CTS

DEX

Oscillations of Piezoelectric Crystals Investigated
by the Method of Multi-Ray Interferometry, by
V. Yur'ev, 1 p.

RUSSIAN, per, Uspekhi Fiz Nauk, Vol XLIV, No 4, 1951,
pp 629-630.

Sci⁹ Trans Center RT-943

Scientific - Physics
CTS/DEX

14,062

New Method for Studying Thermal Fields, by F. Urbakh,
7 pp.

RUSSIAN, per. Uspekhi Fiz Nauk, Vol XLIV, No 4, 1951,
pp 630-633.

Sci Trans Center RT-906

Scientific - Physics
CTS/DEX

14,071

Diffraction of X-Rays by Particles With a Dimension
of 0.5 of a Micron, by A. K.

Full translation.

RUSSIAN, per. Uspekhi Fiz. Nauk, Vol 44, No 4, USSR,
1951, pp 633-635.

AEC Tr 1346

Sci - Physics

Aug 52 CTS

DEX

Fresnel Diffraction From Convex Bodies, by
V. A. Fock, 19 pp.

RUSSIAN, per, Uspekhi Fizicheskikh Nauk,
Vol XLIII, No 1951, p 587.

29,473

CIA/FDD/XX-27

EA

IAC INTERNAL USE ONLY

Scientific - Physics

Dec 55 CTS/DEX

Fok, V. A.
KRITIK DER ANSCHAUUNGEN BOHRS UBER DIE
QUANTENMECHANIK (Kritika Vzgl'yadov Bora na
Kvantovuyu Mekhaniku). [1961] [11]p. 3 refs. TL 969;
[DSIR LLU] M 2084.
Order from OTS or SLA \$1.60

61-13441

Trans. in German of Uspekhi Fizicheskikh Nauk
(USSR) 1951, v. 45, no. 1, p. 3-14 (pub. in Sowjetwis-
senschaft. Naturwissenschaftliche [Beiträge] (West
Germany) 1952, v. 5, no. 1).

DESCRIPTORS: *Quantum mechanics

See also 61-13300

(Physics--Theoretical, TT, v. 6, no. 3)

61-13441

I. Fok, V. A.
II. Trans-T/L-969
III. DSIR LLU M. 2084

176189

Office of Technical Services

61-13649

Blokhtintsev, D. I.
A CRITIQUE OF THE IDEALISTIC INTERPRETATION
OF THE QUANTUM THEORY (Kritika Idealisticheskoye Poniizheniye Kvantovoy Teorii). (1961) (62p. -
(4 figs. omitted) 22 refs. TL 1403; [DSIR LLJ] M 2154
Order from OTS or SLA \$6.60 61-13649

Trans. from Uspekhi Fizicheskikh Nauk (USSR) 1951,
v. 45, no. 2.

DESCRIPTORS: *Quantum mechanics, Theory.

(Physics--Theoretical, TT, v. 6, no. 1)

I. Blokhtintsev, D. I.
II. Trans-T/L-1403
III. DSIR LLJ M. 2154

161670

Office of Technical Services

Study of Summer Precipitations and the Storm
Electricity Formation Processes, by H. S.
Shishkin, 41 pp.

RUSSIAN, per, Uspekhi Fiz Nauk, Vol XLV, No 3,
Nov 1951, pp 313-356.

CIA/FDD X-2932

Sci - Geophysics
Jul 58

68,978

S-2945

Equation of State for Ideal Gas , by D. I.
M~~M~~ Mendeleev, Goloushkin.

RUSSIAN, per, Uspekhi Fiz Nauk, Vol XLV, 1951,
pp 616-621.

14/11/57

Superconductivity II. Microscopic
Theory, by V. L. Ginzburg, 46 pp.

RUSSIAN, per, ^{Hejckh} ~~Uspen~~ Fiz Nauk, 7
Vol XLVIII, No 1, 1952, pp 25-118.

MDF G-203
9092755

171,535

Sci
Oct 61

Awarding the Stalin Prizes in Physics for the Year 1951
by V. Shepel, 10 pp, UNCLASSIFIED

USPERM - FID - NAUK

RUSSIAN, per, Progress of Physical Sciences, Vol 47,
No 1, May 1952

ATIC F-TS-7936

Scientific - Miscellaneous

CIA 1311410

940

Experimental Proof of the Existence of Electric
Currents in the Ionosphere, by G. Rozenberg, (AF 495375).

RUSSIAN, per, Uspekhi Fiz Nauk, Vol XLVI, No 1, 1952,
pp 131-133.

*ATIC F-TS-9273/V

Sci - Geophys

Aug 57

Ginzburg, V. L.
CERTAIN QUESTIONS OF THE THEORY OF ELECTRICAL FLUCTUATIONS. 15 Sep 61, 39p. 17 refs.
Order from OTS or SLA \$3.60 61-20730

Trans. of Uspekhi Fizicheskikh Nauk (USSR) 1952,
v. 46, no. 3, p. 348-387.

DESCRIPTORS: *Electricity, Electrical networks, Thermoelectricity, Theory, Quantum mechanics, Quantum statistics, Ferroelectric materials, Ferromagnetic materials, Superconductors, Electrical conductance, Phase transitions

The present paper, which is mainly of a methodological character, is devoted to the analysis of these three questions: (1) the singularities of electrical fluctuations near the point of a phase transition of the second kind (Curie point); (2) the application of thermodynamics to electrical fluctuations, and (3) the quantum generalization of the Nyquist formula.

61-20730

1. Title: Nyquist formula
1. Ginzburg, V. L.

(Physics--Electricity, TT, v. 7
no. 10)
Office of Technical Services

Work on Study of Short-Wave Solar Ultraviolet
Radiation, by S. L. Mandelshtam, 55 pp.
RUSSIAN, per, Uspekhi Fiz. Nauk, Vol 46, No 2,
1952, pp 145-178.
ARM/RSIC/Tr-886-68

Sci/Phy
Feb 69

374,155

Scattering and Absorption of Microwaves in Atmospheric
Formations (Rain, Snow, Clouds, Mist) and Radar, by
D. M. Vysokovskiy, 57 pp.

RUSSIAN, per, Uspekhi Fiz Nauk, Vol XLVII, No 3,
July 1952, pp 398-444.

ATIC F-TS 9319/V

Sci - Geophysics
Jun 58

65, 618

Candoluminescence, by V. A. ~~SOXX~~ Sokolov, 17 pp.

RUSSIAN, per. Uspekhi Fiz Nauk, Vol XLVII,
No 4, 1952, pp 537-560.

ATS-67M38\$

ATS/RJ-2627

Sci
Aug 61

OTS, Vol III, No 12

163149

Ginzburg, V. L.
SUPERCONDUCTIVITY. II. MICROSCOPIC THEORY.
[1961] 46p. 146 refs.
Order from MDF \$10.00

MDF G-203

Trans. of Usp[ekhi] Fiz[icheskikh] Nauk (USSR) 1952,
v. 48, no. 1, p. 25-118.

DESCRIPTORS: *Superconductivity, *Cryogenics,
Metals, Electron transitions, Theory.

(Physics--Theoretical, TT, v. 6, no. 3)

61-22665

I. Ginzburg, V. L.
II. MDF G-203
III. Title: Microscopic...
IV. Friedman, Morris D., Inc.
West Newton, Mass.

Office of Technical Services

Review of S. I. Pekars' "Studies on -the Electron
Theory of Crystals," by S. V. Tyablikov, 11 pp.

RUSSIAN, per, Usp Fiz Nauk, Vol XLVIII, 1952,
p 447-451.

Morris Friedman T-111

Scientific - Physics

\$5.50

CTS 64/Jan 55

20,840

The Statistical Character of the Ionosphere
Structure, by Ya. L. Al'pert, 57 pp.

RUSSIAN, per, Uspekhi Fiz Nauk, Vol XLIX, 1953,
No 1, pp 49-91.

ATTC F-TS-9944/1

Sci - Geophya

Dec 60

136,691

Wide Showers of Cosmic Rays, by H. A. Dobrotin,
G. T. Zatsepin, I. L. Rozenal', ~~and others~~
L. I. Sarycheva, G. B. Kristiansen, L. Kh.
Eydus, 37 pp

RUSSIAN, per, Uspekhi Fiz Nauk, Vol XLIX, No 2,
Feb 1953, pp 185-242.

14,428

USSR

Scientific - Astronomy

~~SECRET~~

~~US OFFICIALS ONLY~~

CIA/FDD/Z-107

US OFFICIALS ONLY

The Present State of the Theory of Thermoelectric
and Thermomagnetic Effects in Semi-Conductors,
by A. G. Samoilovich, L. L. Korenblit *Part 1*

RUSSIAN, per, Uspekhi Fiz Nauk, Vol XLIX, No 2,
1953, pp 243-272.

? ABI T/643

per only 9525

Scientific - Electronics

appeared as 0314 list as T404
?

Rontgen Radiation of the Atom Mesonic Orbit,

RUSSIAN, per, Uspekhi Fizicheskikh Nauk, Vol XLIX,
No 2, 1953, pp 304-305.

Insdac
National Physical Laboratory
of India,
Hillside Road,
New Delhi-12, India

Physics

36,159

Jun 56 CTS

(FDD 21772)

Conference on Ultrasonic Defect Detection and
General Topics of Ultrasonic, by B. D. Tartakov-
skiy, 23 pp.

RUSSIAN, no per, Uspekhi Fiz. Nauk, Vol XLIX, No 4,
Moscow, Apr 1953, pp 601-611.

CIA/FDD/U-6413

USSR

Sci - Physics, acoustics

18,189

Letter to the Editor on the Review "Modulation
Interferometry", by I. L. Bernshtein, 3 pp,

RUSSIAN, per, Uspekhi Fiz Nauk, Vol XLIX, No 4,
1953, pp 631-633.

23,311

Sci Ma Lib No 54/3558

Scientific - ~~in~~ Physics

May 55 CTS

(FDD 21771)

Conference on Physical and Measurement
Acoustics, by B. D. Tartakovskiy, 25 pp.

RUSSIAN, no per, Uspekhi Fiz Nauk, Vol L, No 1,
Moscow, May 1953, pp 123-133.

CIA/FDD/U-6357

USSR

Sci - Physics, acoustics

18, 190

(FDD 20399)

Heavy Mesons, by A. I. Alikhanov, 80 pp.

RUSSIAN, no per, Uspekhi Fiz. Nauk, Vol L, No 4, Moscow,
Apr 1953, pp 481-537.

CIA/FDD/U-6083

USSR

Sci - Physics

16,002

The Reflection of Limited Wave Trains and
Impulses, by L. M. Drekhovskikh, 52 pp.

RUSSIAN, per, Uspekhi Fiz Nauk Ak Nauk SSSR,
Vol L, No 4, Aug 1953, pp 539-576.

APPC P-TS-9320/V

Sci - Phys

Feb 59

80,019

Physico-Chemical Hydrodynamics, by V. G. Levich,
Reviewed by M. P. Volarovich, 4 pp.

RUSSIAN, per, Uspekhi Fiz Nauk, Vol LI, No 1,
1953, pp 155-158.

NLL M. 4535

21,826

A.E.E.E., Harwell
Tr No ~~465~~ 477
OT/MAEX 1119

Scientific • Chemistry, Physics Mar 55 CTS

Sci Tr Center
RT-2351

Fabry-Perot Interferometer for Radio Waves in
Millimeter Region, pp 6 pp.

by R. Sh.
RUSSIAN, no per, Uspekhi Fiz. Nauk, Vol LII, 201
1953, pp 173-178.

514 62-16532
AEC Tr 2736

48,685

Sci - Physics
Jun 57

Ann Tech Sv RJ-600
E-7.80

Sci Mus Lib
Tr 57/2562

Sh R-1394

Failure of the Photochemical Reciprocity Law for
Photographic Emulsions, by A. L. Kartushanskiy,
72 pp.

RUSSIAN, per, Uspekhi Fizicheskikh Nauk, Vol 11,
No 2, 1953, pp 161-203.

CIA/X-1809

USSR

Sci - Physics

26, 335

On Non-Local Fields and the Complex Nature of
Elementary Particles, by M. A. Markov,

RUSSIAN, no per, Uspekhi Fiz Nauk, Vol LI, No 3,
1953, pp 317-341.

~~xxxx~~

Natl Res Lib TT. 544

Scientific - Physics
Dec 55 CTS/DEX

29,425

Origin of Cosmic Rays and Radio Astronomy, by
V. I. Ginzburg, 81 pp.

RUSSIAN, no per, Uspekhi Fiz Nauk, Vol LI, No 3,
1953, pp 343-392.

Sci Tr Ctr RI-3973

Sci - Astronomy
Aug 56 CTB/dex

37,522

Apropos of the Review by S. V. Tyablikov of the
book by S. I. Pekar "Studies on the Electron
Theory of Crystals", by M. F. Deigen, 6 pp.

RUSSIAN, per, Usp Fiz Nauk, Vol LI, 1953, p 426.

Morris Friedman

Scientific & Physics

Jan 55 OTS/DEX

20,905

\$3.00

Reply to M. F. Deigen and K. B. Tolpygo, by
S. V. Tyablikov, 6 pp.

RUSSIAN, per Usp Fiz Nauk, Vol LI, ⁷⁴³1953, p 428.-430

Morris Friedman T-110

Scientific - Physics

Jan 55 CTS/DEX

20,906

\$ 3.00

(FDD 22897)

The Mechanism of the Photographic Activity of
Ionizing Particles, by A. L. Kartuzhanskiy, 35 pp.
59 pp.

RUSSIAN, no per, Uspekhi Fiz Nauk, Vol LII, No 3,
Moscow, Mar 1954, pp 341-376.

CIA/FDD Tr 343
USSR RT-3943
Scientific - Physics, ionizing particles

21,336

CTS 63/Dec 54

Baking, Creep, Rest, Recrystallization and Other
Phenomena, Conventional Selfdiffusions in
Crystalline Bodies, by B. Ya. Pines.

RUSSIAN, per, Usp. Fiz Nauk, Vol LII, No 4,
1954, pp 501-559. 9204994

AEC-Tr-5563

Sci - Phys

227,039

Apr 63

Symmetry Properties in the Theory of Elementary
Particles and of Nuclear Processes, by I. S.
Shapiro.

RUSSIAN, no per, Uspekhi Fiz Nauk, Vol LIII,
No 1, 1954, pp 7-68.

Sx Natl Res Lib Tr TT.543

Scientific - Physics
Jan 56 CTS/dex

30, 2/8
Sci Mus Lib
55/1844

Review of the Book, "Propagation of Radio Waves,"
by V. N. Kessenikh, (AF 630748)

RUSSIAN, no per, Uspekhi Fiz Nauk, Vol LIII, No 2,
1954, pp 293-303. *CIA D-334353.*

ATIC F-TS-8403/III

Scientific - Electronics Aug 55 CTS/DEX

26,395

12 144

GE-1

ZEL'TSER G. I.

Isobaric spin and the hypothesis of independence from charge
in nuclear forces

Der Isobarens spin und die Hypothese der Ladungsunabhängig-
keit der Kernkräfte

Uspekhi Fiz. Nauk, 53, 455-500 (1954)

Der Isospin von Atomkernen, 55-99. Akademie Verl. Berlin
1960 - German

E u r a t o m

(FDD 24177)

Modern Thermionic Cathodes, by N. D. Morgulis, 39 pp:

RUSSIAN, bimo per, Uspekhi Fiz Nauk, Vol LIII, No 4,
Moscow, Aug 1954, pp 501-543.

CIA/FDD Tr 523

USSR

Sci - Electronics thermal electrons

Feb 1956 EX CTS

32,370

Russian Physical Literature III, 88 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz,
Vol XXVII, 1954; Vol XXVIII, 1955; Uspekhi
Fiz Nauk, Vol LIV, 1954, Encl to ATTI IR-
839-55. CIA C 37820

AF 664607

Scientific - Physics
CTS 70/Jul 55

25355