

Radiation of Electric Radiators Located Near an
Ideally Conducting Elliptical Cylinder, by
G. N. Kocherzhevskiy.

RUSSIAN, no per, Zhur Tekh Fiz, Vol XXV, No 6,
1955, pp 1140-1155.

CIA/FDD X-2404
Nat Res Lib
TE.590 39,128

Sci - Physics
Sep 56 CTS/dec

CCT 1437B

On the Diffusion of Atoms of an Impurity Through
the Contact Layer of an Oxide Cathode, by N. D.
Morgulis, I. G. Ptushinskiy, 8 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXV, 1955, pp 1157-
1159.

SLA Tr R-1002

Sci - Nuclear Physics
Jan 58

58,200

Table of Contents of the Periodical
Zhur Tekh Fiz, Vol XXV, No 7, 8, 9, 1955.

Morris D. Friedman

© IA/FOO/X-1722

On the Theory of Semiconductors with Good
Semiconductivity, by L. I. Koresblit and
T. Y. Shraifeld,

RUSSIAN, per, Zhur Tekh Fiz, Vol XXV, No 7,
1955, p 1182-1189.

ASLIB-DB43

Sc1

Jul 581

68,729

Thermo-Electric Properties of the Alloys in the
System Antimony-Tellurium, by F. I. Vasenen.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXV, No 7, 1955,
pp 1190-1197.

SLA 62-12078
UKSM GB 43

Sci - Min/Met, Physics 52, 308

Sep 57

Thermodiffusion of Na Ions in Crystalline
NaCl, by T. I. Nikitinskaya, et al.
RUSSIAN, per, Zhur. Tekhn. Fiz. Vol. 25
1955, pp. 1198-1203.
*CFSTI TT 70-57015

Study of the Relaxation Processes in
Polyvinylacetate, by P. F. Veselovskii
and A. I. Slutsker.

RUSSIAN, per, Zhurnal Tekhnicheskoi
Fiziki, 1955, Vol 25, No 7, pp 1204-1208.
NLL RRS 2612 (On Loan or Purchase)

Aug 65

288,108

An Investigation of Partial (High Frequency)
Discharges Through Oiled Paper Insulation, by G. S.
Kuchinskiy, 7 pp.

RUSSIAN, no per, Zhur Tekh Fiz, Vol XXV, 1955,
pp 1209-1216.

AEC Tr 2710

Sci - Physics
Jun 57

48,621

Investigation of Light Phenomena Related to the
Development of the Spark-Discharge Channel, by
M. P. Vanyukov, V. I. Isayenko, L. D. Khazov,
12 pp.

RUSSIAN, no per, Zhur Tekh Fiz, Vol XXV, No 7,
1955, pp 1248-1256.

A.E.R.E. Harwell Lib Tr 732
Sci Mus Lib No 56/3262

Sci - Physics

44,037

SLA 12/17/55
AF

Application of Dimensional And Similarity Methods
to the Theory of Corona Discharge at a Constant
Voltage, by N. N. Tikhodeev, 16 pp.

RUSSIAN, per, Zhurnal Tekhnicheskoi Fiziki,
Vol XXV, No 7, 1955, pp 1257-1264. 9069383

AEC-tr-5356

217, 484

Sci - Electron
Dec 62

On the Transition of the Turbulent Flow from the Laminar to the Turbulent Flow Region in the Boundary Layer,
by L. M. Zysina-Molozhen, 12 pp.

RUSSIAN, no per, Zhur Tekh Fiz, Vol XXV, No 7, 1955,
pp 1280-1287.

Morris S. Friedman 2-112
\$6.00

Sci - Physics
Dec 56 CIS

41, 444

Certain Quantitative Characteristics of the Transition
From Laminar to Turbulent Flow in the Boundary Layer,
by L. M. Zysina-Molozhen, 12 pp.

RUSSIAN, no per, Zhur Tekh Fiz, Vol XXV, No 7, 1955,
pp 1266-296. 909 3238

Morris D. Friedman Z-111
\$6.00

Sci - Physics
Dec 56 CTS

41, 4445

(FDD 27230)

Photoelectric Fluxmeter, by S. P. Kapitsa, 14 pp.

XX RUSSIAN, no per, Zhur Tekh Fiz, Vol XXV, No 7,
Moscow, 1955 July, pp 1307-1315.

CIA/FDD U-8290

35, 311

USSR
Sci - Physics, electronics
May 56

New High Intensity Hydrogen Lamp, by I. I. Kondilenko,
M. P. Lisitsa, 9 pp.

RUSSIAN, no per, Zhur Tekh-Pis, Vol XXV, No 7, 1955,
pp 1316-1322.

Sci - Physics
Dec 56 CTS

Morris D. Friedman
\$4.50

R-129

41,442

Sci - Physics
Dec 56 CTS

On the Theory of Steam-Jet Vacuum Pumps, by I. M.
Lifshits, L. N. Rozentsveig, 3 pp.

RUSSIAN, no per, Zhur Tekh Fiz, Vol XXV, No 7,
1955, pp 1323-1325.

AEC Tr 2708

SIA R-1408

May 58

68,169

Inelastic Scattering of Electrons in Monocrystalline
NaCl and KCl, by A. R. Shulman, S. A. Freydraychov,
3 pp.

RUSSIAN, no per, Zhur Tekh Fiz, Vol XIV, No 7,
1955, pp 1344-1346.

US Dept of Commerce
Nat'l Bureau of Standards

Sci - Nuclear
Physics
Dec 56 CTS

41,187

Notes on the Problem of Generating High
Temperatures at High Pressures, by L.F.
Vereshchagin, Ya. A. Kalashnikov.
RUSSIAN, per. Zh. Tech. Fiz. Vol. 25, No. 8,
1955, pp 15-3-17
GB/93/RLC 1270

Sci -
Aug 87

337-081

Gorbayi, N. A. and Shuppe, G. N.
DEPENDENCE OF ADSORPTION BONDS ON METAL MONOCRYSTALS UPON THE CRYSTALLOGRAPHIC ORIENTATION (K Voprosu o Zavisimosti Adsorbsionnykh Svyezей na Metallicheskom Monokristalle ot Kristallograficheskikh Napravlenii) tr. by R. M. Flynn. [1963] [11]p

Order from OTS on loan

TT-63-23768

Unedited partial trans. (p. 1365-1367, 1374-1375) of Zhurnal Tekhnicheskoi Fiziki (USSR) 1955, v. 25, no. 8, p. 1364-1375.

DESCRIPTORS: *Metallic crystals, *Adsorption, Single crystals, Sputtering, Secondary emission, Electric fields, Crystal lattices, *Chemical bonds,

(Physics--Solid State, TT, v. 11, no. 1)

TT-63-23768

I. Gorbayi, N. A.
II. Shuppe, G. N.

Office of Technical Services

14 063

GF-1

PASYNKOV V. V.

Influence of radioactive radiation on a photoelement

Einfluss radioaktiver Strahlen auf ein Photoelement

Zhur. Tekhn. Fiz., 25, No. 8, 1376-1385 (1955)

German

E u r a t o m

Zandberg, Ye. Ya.

COMPARATIVE STUDY OF THE INTERACTION OF POSITIVE AND NEGATIVE IONS OF THE L. H. KINN AND OF EQUAL ENERGY WITH METALLIC TARGETS. [1960] [23]. 19 refs.

Order from LC or SI A m\$2.70, ph\$4.80 61-15123

Trans. of Zhurnal Tekhnicheskoy Fiziki (USSR) 1955, v. 28, p. 1386-1398.

The secondary emission of non-degassed and degassed, but not atomically clean targets of platinum and tungsten was investigated by the method of volt-ampere characteristics of the current in the target circuit as a function of the collector voltage. The targets were ionized with like positive or negative ions of various elements. The energy was varied between 30 and 120 e.v. The secondary electron emission of a degassed targets caused by negative ions is considerably more intense than that caused by positive ions. The coefficients of primary of secondary emission of degassed, but not (Physics-Electronics, TT, v. 5, no. 11) (over)

61-15123

1. Metals; Boronides
2. Ion beam analysis
3. Secondary emission
4. Zandberg, Ye. Ya.

Office of Technical Services

On the Growth of "Nuclear" Cracks Prompting
Brittle Strength of Bodies, by B. Ya. Pines,
9 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXV, No 8,
1955, pp 1399-1404. 9670179

ATIC MCL-530/1

Sci - Phys

Jul 61

161, 329

Fluctuations in Loaded Lines, by Troitskiy, V. S.,
14 pp.

RUSSIAN, no per, Zhur Tekhn Fiz, Vol LIV, No 8,
1955, pp 1426-1435.

Morris D. Friedman

\$7.00

34,944

Scientific - Physics
Jun 56 CTS/dec

The Differential Equation of a Unipolar Corona
and Its Integration in the Simplest Cases, by
N. N. Tikhodayev, 10 pp.

RUSSIAN, no per, Zhur Tekh Fiz, Vol XXV,
1955, pp 1449-1457.

AEC Tr 2749

Sci - Physics
Jun 57

48/644

S.A. Tikhodayev

On the Spreading of Intense Beams of Charged
Particles, by M. D. Gabovich, 4 pp.

RUSSIAN, no per, Zhur Tekh Fiz, Vol XXV, 1955,
pp 1458-1461.

AEC Tr 2748

Sci - Physics
Jun 57

48, 643

Sci-Mat Lib BN 57/25, 8

Notes on the Problem of Generating High Temperatures at High Pressure, by L. F. Vereshchagin, Ya. A. Kalashnikov.

RUSSIAN, no. per., Zhur Tekh Fiz, Vol. XIV,
No 8, 1955, pp 1508-1517.

RECEIVED
Copy Tr Sch Tr 170
D.S.I.A T-1383
Sci - Physics 36,345

Jul 1956

The Formula for the VA-Characteristic of the N-P
Transition, by V. L. Bonch-Bruevich, E. Y. Pumper,

RUSSIAN, per, Zhur Tekh Fix, Vol XXV, No 8, 1955,
p 1520.

UKSM GB-43

Sci -

May 58

63,099

Characteristics of Probes at Positive Potentials
and the Measurement of Gas Density During a
Discharge, by B. N. Klyarfeld, A. A. Timofeyev,
N. A. Neretina, L. G. S. Guseva, 15 pp.

RUSSIAN, no per, Zhur Tekh Fiz, Vol XXV, 1955,
pp 1581-1590.

CIA RDP91B00120011-8
AEC Tr 2747

Sci - Physics
Jun 57

48,642

Contribution to the Theory of the Scattering
of X-rays in Gases, Liquids, Amorphous
Solids and Polycrystallites, by V. N.
Filipovich.

RUSSIAN, per, Zhur. Tekh. Fiz., Vol 25, No
9, 1955, pp 1603-1621.
(GB/21/LC.58)

Sci -
Jul 67

334,395

Theory of Scattering of X-Rays in Gases, Liquids,
Amorphous Solid Bodies and Polycrystalline
Materials. Part I, by V. N. Fil'ippovich, 24 pp.

RUSSIAN, no per, Zhur Tekh Fiz, Vol XXV, 1955,
pp 1604-1621.

CIP 3616

AEC Tr 3064
NLL M 46 23
53,073

Sci - Physics
Nov 57

Theory of Scattering of X-Rays in Gases, Liquids,
Amorphous Solid Bodies and Polycrystalline Materials,
Part II, by V. N. Filipovich, 23 pp.

RUSSIAN, no per, Zhur Tekh Fiz, Vol XXV, 1959,
pp 1622-1638.

AEC Tr 3064

NLL m.7645
35, 072

Sci - Physics
Nov 57

The Internal Photoeffect and Structure of the
Basic Absorption Edge in Crystals, by Gross
and Belle, 5 pp.

RUSSIAN, per, Zhur Tekh Fiz, Sep 1955.

USASIA Tr 912

Sci - Physics

50,106

(FDD 27166)

Stabilization of the Field of a Magnetic Analyzer of
a Beam of Accelerated Ions, by X V. I. Mil'mailov, V. M.
Morozov, 8 pp.

IN RUSSIAN, no per, Zhur Tek Fiz, Vol XXV, No 9, Moscow,
Leningrad, 5 Sep 1959, pp 1549-1552.

CIA/FDD U-8511

38,204

USSR
Sci - Physics

Diffraction Light Modulator, by A. M. Bonch-Bruevich,
V. A. Molchanov, 7 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXV, No 9, 1955,
pp 1653-1658. 9095535

AEC UCRL Tr-733

Sci - Phys
Mar 62

186, 483

The Distribution of Heat in a TwoPhase System
for a Specified Equation of Motion of the Phase
Boundary, by G. A. Martynov, 17 pp.

RUSSIAN, no per, Zhur Tekh Fiz, Vol XXV, No 10,
1955, pp 1754-1767.

4230
Sci Tr Center RT 4409

Scientific - Physics
Dec 56 CMS

42,051

4

Electromagnetic Oscillations in a Parabolic Pipe
as a Particular Case of the Interaction of Two
Cavities Through a Bend, by E. R. Mustel, 13 pp.

RUSSIAN, no per, Zhur Tekh Fiz, Vol XXV, No 10,
1955, pp 1788-1799.

CIA/FDO X-2414

Sci - Physics
May 1957 CTS/dex

47,337

Calculation of Alternating Current Corona
Characteristics, by G. N. Aleksandrov, 19 pp.

RUSSIAN, per, Zhurnal Tekhnicheskoi Fiziki,
Vol XXV, No 10, 1955, pp 1804-1816. 9069001

AEC-tr-5355

Sci - Phys
Dec 62

217, V 80

Concerning an Error Which Appears When the
Method of Integral Equations Is Used in Antenna
Theory, by B. V. Braude, 6 pp.

RUSSIAN, no pag., Zhur Tekh Fiz, Vol XXV, No 10,
1955, pp 1819-1825.

CIA/FDD X-2397

Sci - Physics
May 1957 CTB/act

47,499

Some Problems of Phase Measurements, by A. M.
Donch-Bruevich, V. I. Shirukov, 26 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXV, 1955,
pp 1825-1842. 9095537

AEC UCRL Tr-734

Sci - Phys
Mar 62

186.484

Propagation of Electromagnetic Waves Along a Ribbon Helix Located Inside a Round Waveguide, by E. V. Anisimov, N. M. Sovetov, 8 pp.

RUSSIAN, no per, Zhur Tekh Fiz, Vol XXV, No 11,
1955,

CIA/FDD X-2396

Sci - Physics
May 1957 CTB/dec

47,497

Photo-Electromotive Force of Lead Sulfide Photo-conductivity, by R. Ya. Berlaga, M. A. Runsh, L. P. Strukhov, 10 pp. UNCLASSIFIED

RUSSIAN, per, Zhur Tekh Fiz, Vol XIV, No 11, 1955, pp 1878-1882.

ATIC F-TS-9487/III

Sci - Phys

Dec 58

77,982

Preparation of a Semiconducting Ceramic on a Base of
W₀3 and Investigation of Some of Its Dielectric and
Thermal Characteristics, by G. I. Shanavi, et al.

RUSSIAN, no per, Zhur Tekh Fiz, Vol XXV, No 11, 1955,
pp 1883-1892.

Co-Op Trans Sch Tr 300
£4.

43,948

Sci - Physics
Feb 1957 CTS/dex

Supersonic Mercury Vapour Jets, by Ya. M. Fogel,
G. A. Lisochkin, G. I. Stepanova, 9 pp. UNCL.

RUSSIAN, par., Zhur Tekh Fiz, Vol XXV, 1955,
pp 1934-1953. 9042951

AC81L 1112

Sci - Proj S
Oct 59

99,629

Turbulent Boundary Layer of an Incompressible Fluid on a Porous Wall, by L. Ye. Kalikhman,
13 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXV, No 11,
1955, pp 1957-1964.

OTS 60-17353

Sci

188, 919

30 Mar 62

Electromagnetic Surface Waves in Rectangular
Grooves, by M. A. Miller, 10 pp.

Russian, no per, Zhur Fiz Tekh, Vol XXV, No 11,
1955, pp 1972-1982.

CIA/PDD X-2410

Sci - Physics
May 1957 CTS/8ex

47,342

On a Method of Analysing a K-Doublet of Rontgen Lines, by D. M. Vasil'yev.

RUSSIAN, no per, Zhur Tekh Fiz, Vol XXV, No 11,
1955, pp 1994-1997.

D.S.I.R./26672

Sci - Physics
Apr 57 CEB/dex

46, 825

Some Problems of the Many-Electron Theory of
Semiconductors, by S. V. Vonsovski, 18 pp.

RUSSIAN, per, Zhur Tekh Fiz SSSR, Vol XXV, No 12,
1955, pp 2022-2029.

S.L.A. Tr R-446

Sci - Electronics 48, 754
May 57

The Present State of Some Problems in Semiconductor
and Dielectric Theory, and Desirable Directions of
Further Development, by E. I. Pekar, UNCLASSIFIED

RUSSIAN, per, Akad Nauk SSSR, Vol XXV, No 12,
1955, pp 2030-2073.

Sci Mus Lib Tr 57/4489

Sci - Phys
Sep 58

73,354

On the Theory of Semiconductors With an Impurity Band, by A. G. Samoilovich, M. I. Klinger. Ural.

RUSSIAN, per, Zhur Tekh Fis, Vol XIV, No 12,
1955, pp 2050-2060.

DSIR Lending Library Unit M.22

Sci - Phys
Ayr 59

83, 985

2641

Properties and Structure of Ternary Semiconductor Systems. 2. Electric Properties and Structure of Materials in the Systems Formed by the Thallium-, Antimony- and Arsenic Selenides, by M. A. Goryunova, B. T. Kolomietz. UNCLASSIFIED

RUSSIAN, por, Zhur Tekh Fiz, Vol XXV, No 12, 1955,
pp 2069-2078.

Sci Mus Lib 57/4462

Sci & Phys
Sep 58

73,384

New Dielectric Properties of Zinc Telluride,
by D. I. Bol'tska, et al. UNCL

RUSSIAN, por, Zhur Tekh Fiz, Vol XIV, No 12,
1955, pp 2097-2103.

DSIR Lending Library Unit N.23

Sci - Phys; Chem
Apr 59

83,986

The Possibility of Obtaining a P-N-Transition in
Germanium by Means of Pulse Heating, by M. M. Bredov.

RUSSIAN, per, Zhur Tekh Fiz, Vol XAV, 1955, pp 2104-
2111. CIA D 9010133

A.C.S.I.L. Tr 876

Sci -Chemistry
Jul 57

49, 884

Absorption Spectra of Silver Halide and Thin
Silver Layers, by E. A. Krillov, 15 pp.

RUSSIAN, no pag, Zhar Tekh Piz, Vol XXV, No 12,
1955, pp 2143-2149.

Sci Tr Center
RT-4916

Sci - Physics
Sep 56 CMS/dec

39,127

Acoustic Resonance Stressing as a Method of
Investigating the Characteristics of the Elasticity of
Elastomers, by M. P. Votinov, et al.

RUSSIAN, por, Zhur Tekh Fiz, Vol XXV, No 12,
1955, pp 2157-2162.

Co-op Tr Sch Tr 418

Sci - Physics
Mar 58

CIR^o 59, 351

4

Brittle Fracture Under Biaxial Compression, by
N. N. Davidenkov, V. A. Yarkov, 5 pp.

RUSSIAN, per, Zhurnal Tekh Fiz, Vol XXV, No 12,
1955, pp 2200-2202.

Sci Mus Lib 56/1153

Sci - Physics

39,487

On the Material Constants Necessary for the
Description of the Elastic Properties of
Crystals, by A. V. Stepanov, 7 pp.
Abstract

RUSSIAN. no per, Zhur Tekh Fiz, Vol XXV,
1955, pp 2203v.

CIA/FDD X-2525

Sci - Physics
Aug 57

37, 846

SLA R - 1989

Single Scattering of Stripped Argon Ions, by
D. M. Kaminker, N. V. Fedorenko, 16 pp.

RUSSIAN, no per, Zhur Tekh Fiz, Vol XXV, 1955,
pp 2239-2255.

ABC Tr 2745

Sci - Physics 48,641
Jun 57

The Photoeffect of Antimony-Cesium Cathodes
Sensitized by Oxygen, by B. I. Dyatlovitskaya.

RUSSIAN, no per, Zhur Tekh Fiz, Vol XXV, No 13,
1955, pp 2264-2276.

Assoc Tech Sv
Tr RJ-588
\$16.80

52,240

Sci - Chem Physics
Sep 57

Determination of the Coefficient of Diffusion of Ionic Ag in AgBr by the Method of Removing Thin Slices, by S.N.Banasevich et al.

RUSSIAN, pr, Zhur.Tekhn. Fiz.Vol. 25
1955, pp. 2277-2279.

*CFSTI TT 70-57017

Sci/phys
FEB 70

On an Optimum Law of the Automatic Sweep of Mass-Spectra, by V. L. Tal'roze, 3 pp.

RUSSIAN, no per, Zhur Tekh Fiz, Vol XIV, No 13,
1955, pp 2280-2281.

Morris D. Friedman, T-1
\$1.50

38,236

Sci - Physics

Automatic Magnetic Sweep System of Mass-Spectra,
by L. L. Dekebrun, A. K. Lyubimova.

USSRAN, no per, Zhur Tekh Fiz, Vol XXV, No 13,
1979, pp 2282-2285.

Morris D. Friedman 10-10-87

Sci - Physics
Oct 1986 CTS/dex

39,853

Investigation of Construction Methods of
Characteristic Curves of Thermal Inertia,
by G. N. Levin, Ye. M. Malkova,
A. K. Semenova, 15 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXV, No 13,
1955, pp 2286-2295.

OTS 60-17348

Sci

188,909

30 Mar 62

Induced Thermal Noise in Antennas, by M. L. Levin,
6 pp.

RUSSIAN, no per, Zhur Tech Fiz, Vol LV, No 13,
1955, pp 2313-2315.

CIA/FDD X-2408
Columbia Tech 144174
Sci - Physics
May 1957 CTS/dex 47,341

CCT 144174

Electrical Properties of Cadmium Telluride, by
B. I. Boltaks, et al.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXV, No 13, 1955,
pp 2329-2335.

Assoc Tech Sv *Tr*
\$9.50

RT-771

Sci - Chemistry
Aug 57

51, 531

On the Formation of Cohesion of Metals During
Joint Plastic Deformation, by S. G. Alnbinder,
E. F. Klokova, 12 pp.

RUSSIAN, no per, Zhur Tekh Fiz, Vol XXV, No 13,
1955, pp 2356-2364.

Morris D. Friedman
\$6.00 35, 211

Scientific - Physics
Min/Metals

Jun 56 CTS/dex

Disintegration of the Surface of the Metal as the
Function of the Angle of the Abrasive Particle,
by V. N. Kashcheyev, S. G.
RUSSIAN, per, Zhur Tekh Fiz, Vol XXV, 1955,
pp 2465-2468.

Ref C - U.S. L-T I - P-19(1) 12-26-65 7

Sci-Phys
Nov 64

The Electromagnetic Field of a Dipole Radiator
Which Is Located Inside a Paraboloidal
Reflector, by I. P. Skal'ekaya, 12 pp.

RUSSIAN, no per, Zhur Tekh Fiz, Vol XXV, No 13,
1955, pp 2371-2380.

CIA/FDO X-2417

Sci - Physics
May 1957 CTS/dex

47, 340

Photoconductivity in HgI_2 Generated by the Action
of Visible Light, by D. V. Chupur, 17 pp.

SUSSIM, no per, Khur Tekh Fiz, Vol XX, No 14,
1955, pp 2411-2418.

Sci Tr Center
~~Int'l~~ 5995

Sci - Physics

37,862

Aug 1956

Use of Hydrophobic Earth for Elimination of
Frost-Heaving, by D. I. Sel'kin, 9 pp.

RUSSIAN, per, Zhur. Tekh. Fiz., Vol XXV, 1955,
pp 2451-2457. ^{No 14}

S.L.A. Tr No R-248

Sci - Meteorology
Apr 57

46,888

1/1226

Vykhovskaya, L. N. and Kushnir, Yu. M.
ELECTRON-OPTICAL INVESTIGATIONS OF MULTI-LAYER PHOTOCATHODES. [1963] [12p] 9refs
AERDL T-1710.
Order from OTS, SLA, or ETC \$1.60 TT-64-13557

Trans. of Zhurnal Tekhnicheskoi Fiziki (USSR) 1955,
v. 25, no. 14, p. 2477-2485.

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

TT-64-13557

I. Vykhovskaya, L. N.
II. Kushnir, Yu. M.
III. AERDL-T-1710
IV. Army Engineer Research
and Development Lab.,
Fort Belvoir, Va.
V. Faraday Translations,
New York

Office of Technical Services

Stretching of Polymers Under Polarized
Infra-Red Light, by V. N. Nikitin, M. V.
Vol'kenshtein, et al.

RUESIAN, per, Zhur Tekh Fiz, Vol XXV,
1955, pp 2486-2491.

CSIRO

Sci - Phys
Jul 62

204, 906

(FDD 27527)

A Stigmator for Electron Microscopes, by P. A. Stoyanov
8 pp.

RUSSIAN, no per, Zhur Tekh Fiz, Vol XIV, No 14, Moscow/
Leningrad, Dec 1955, pp 2,537-2,541.

CIA/FDD U-8580

USSR
Sci - Electronics, microscopy

38,855

Aug 55 CTS/DEX

Photoelectro-Optical Dyanometer, by G. A.
Dubov, V. R. Regel.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXV, No 14,
1955, pp 2542-2544.

*TIL T-5137

St1 - Phys

Jul 60

Determination of Hydrogen in Certain Metals by the
Method of Isotopic Balancing, by A. N. Zaidel, 7 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXV, 1955, pp
2571-2573.

AEC Tr 3162

Sci - Phys

May 58

62, 636

Table of Contents.

Zhur Tekh Fiz
RUSSIAN, Journal of Technical Physics, USSR,
Vol XXV, No 14.

Amer Inst of Physics
Soviet Physics, Vol II, No 3

Feb 57 CTS

43, 800

Table of Contents

RUSSIAN, per, Zhur Tekh Fiz, Vol XXV, No 14, 1955.

CIA/FDD/X-2051

ZHURNAL TEKHNICHESKOY FIZIKI
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Vol 26, Nos 1-6, 1956

*Cover-to-cover Amer Inst of Physics
Available Br 5 Lib*

Contradictions Between the DeBoer Scheme & the
Facts Concerning the Region Cs-o-Ag and
Similar Cathodes, by N. S. Khlebnikov.
RUSSIAN, per, Zhur Tekh Fiz, Vol XXVI, No 7,
1956, Chapter III, Section I.
ERDL, Ft Belvoir T-420a
(AD 436426)

Sci - Phys
Sep 64

265,046

Mechanism of Action of Thin-Film Cathodes,
by N. S. Khlebnikov.
RUSSIAN, per, Zhur Tekh Fiz, Vol XXVI, No 7,
1956, Chapter V, Section 1, 2.
ERDL, Ft Belvoir T-420b
(AD 436425)

Sci - Phys
Sep 64

265,047

Energy Band Picture for Cs-o-Ag Cathodes,
by N. S. Khlebnikov.
RUSSIAN, per, Zhur Tekh Fiz, Vol XXVI, No 7,
1956, Chapter V, Section 4, 5.
ERDL, Ft Belvoir T-420c
(AD 436424)

Sci - Phys

Sep 64

265,048

Fatigue of Thin-Film Cathodes, by N. S. Khlebnikov.
RUSSIAN, per, Zhur Tekh Fiz, Vol XXVI, No 7,
1956, Chapter V, Section 7.
ERDL, Ft Belvoir T-420d
(AD 436423)

Sci - Phys
Sep 64

265,049

Methods of Precision Measurement of Peltier
Effects and Thermal EMF'S, by M. Shtenbek, P. I.
Baranskiy, 17 pp.

RUSSIAN, per, Zhur Tekh Fiz (USSR), Vol XXVI, No 7,
1956, pp 1373-1378.

LC or SLA 59-10079

Sci - Physics
Feb 59

81, 531

Electrical Properties of the Bismuth Chalcogenides.
2. Electrical Properties of Bismuth Selenide
 Bi_2Se_3 , by P. P. Konorov. UNCLASSIFIED
RUSSIAN, per, Zhur Tekh Fiz, Vol XXVI, No 7, 1956;
pp 1394-1399.

Sci Phys Lib 57/4301

Sci - Phys
Sep 58

73,369

Electrical Properties of the Bismuth Chlorogenide,
by P. P. Zonarov. UNCLASSIFIED

RUSSIAN, per, Zhur Tekh Fiz, Vol XXV, No ?,
1956, pp 1400-1405.

Sci Mus Lib 57/4302

Sci - Phys
Sep 58

73,376

RUSSIAN TO FRENCH
OTS TT-62-28180

Vasenin, F. I. and Konovalov, P. F.
HET IONISATIE RONTGENONDERZOEK VAN TELLURIDE BISMUTHI (An Ionization X-ray Investigation of the Structure of Bismuth Telluride) tr. by G.B.J. Overbeek. 12p. 13 refs. MTWL: 914. (Text in Dutch).
Order from OTS or ETC \$1.85

61-17594

Trans. of Zhurnal Tekhnicheskof Fiziki (USSR) 1956, v. 26, no. 7, p. 1406-1414.

DESCRIPTORS: *Bismuth alloys, *Tellurium alloys, ionization, X-ray diffraction analysis, *Crystal structure, *Thermo electricity.

61-17594

- I. Vasenin, F. I.
- II. Konovalov, P. F.
- III. MTWL-914
- IV. Stichting Moeilijk Toegankelijke Wetenschappelijke Literatuur

Office of Technical Services

Charge Carrier Diffusion in Semiconductors in the
Presence of an External Electric Field, by N. I.
Rashba, 6 pp. UNCLASSIFIED

RUSSIAN, per, Zhur Tekh Fiz, Vol XXVI, No 7,
1956, pp cited: 1115-1418.

Sci Mus Lib Nr 57/4322

Sci - Phys
Sep 56

73,350

Kinetics of the Increase in the Photoelectric Current and the Phenomenon of Quenching of the Photoconductivity of Cadmium Sulfide, by A. D. Shnneider, 11 pp.

RUSSIAN, DOR, Zhur Tekh Fiz, Vol XXVI, No 7,
1956, pp 1428-1432.

Sci Mus Lib Tf 57/1804

SLP 2-13

Sci - Physics
Nov 57

33-122

X-2774 4/14-28-1432

Study of the Crustallinity of Some Polymers by
Means of Infrared Spectroscopy, by E. I. Pokrovskiy,
I. P. Kotova.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXVI, No 7, 1956,
pp 1456-1460.

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Sci - Chemistry
Aug 57

31,746