

The Mechanism of the Cathodic Passivation of Lead
Dioxide Electrodes, by B. Kabanov, D. Leikis,
E. I. Krasakova, 9 pp.

RUSSIAN, no per, Doklady Akad Nauk, USSR, Vol XXV
No 6, 21 Oct 1954, pp 989-992.

SLA Tr R-1007

Sci - Electronics
Jan 58

58, 180

Concentrations of Ions in a Thermally Ionized
Gas as a Function of Pressure, by B. Timan,

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCVII, 1954,
pp 1013-1014.

26,796

SEP 26 1955 RS-330
AEC Tr 2201
Assoc Tech Sv Tr 3306R

Scientific - Physics

Sep 55 CTS

Polymerization of Tetramethyl-Ethylene at Pressures
of up to 27,500 Atmospheres, by M. G. Gonikberg,
V. P. Butuzov, V. M. Zhulin, 7 pp.

RUSSIAN, per, Dok Akad Nauk SSSR, Vol XCVII, No 6,
1954, pp 1023-1026.

Sci Tr Center *RT 3413*

Chemistry

36,153

Jun 56 CTS

Interaction of the Globular Proteins
With Phenylalanine and Tyrosine Esters,
by B. A. Talmud, 2 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol XCVII, No 6, 1954, p 1037. CIA D 246069

Def Sci Info Sv
DRB, Canada,
T 184 R

Scientific - Chemistry
CTS 70/Jul 55

25,431

Sci. Mon. Jul 55/2160

Bazilevich, N. I. and Rodin, L. E.
PERCULARITIES OF THE REDUCED BIOLOGICAL
CYCLE IN ZONES CHARACTERIZED BY VARIOUS
SOILS AND FLORA (Osobennosti Malogo Biologicheskogo
Krugovorota v Razlichnykh Pochvenno-Rastitel'nykh
Zonakh). 1963, 6p. 15 refs. PL-480 Agr.
Order from OTS \$0.50

63-11028

Trans. of Akademiya Nauk SSSR. (Doklady, 1954, v. 97,
no. 6, p. 1061-1064.

72/3592
DESCRIPTORS: *Rhythm (Biology), *Plants (Botany),
*Soils, Ecology, Minerals.

It is shown that the interrelation between vegetation and
soil, in the form of a reduced cycle of the ash and other
elements, has significant differences within differing
natural zones.
(Biological Sciences--Botany, TT, v. 10, no. 3)

63-11028

- I. Title: Biogeocoenosis
- I. Bazilevich, N. I.
- II. Rodin, L. E.
- III. PL-480 Agr (63-11028)
- IV. National Science Foundation, Washington, D. C.

Office of Technical Services

Specificity of Races of Lupin Nodule Bacteria, by M. Fedorov and K. Svitych.

C /
RUSSIAN, per, Dok Ak Nauk SSSR, Vol XVII,
No 6, 1954, pp 1069-1073.

SSA/CSIRO-3099

Sci

Jul 58

68,375

Abstracts of Russian Physical Literature,
102 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol XCVIII, XCIX, Sep 1954-Jan 1955, Encl to
IR-754-55, Hq USAFE, Germany. CIA C 37509

AF 664067

Scientific - Physics
CTS 70/Jul 55

25,254

On a Change of the Boundary Conditions at the Plane
Problem of the Elasticity Theory, by V. Ya.
Natanzon (abstract)

RUSSIAN, thrice-mo per, Dok Ak Nauk, Vol XCVIII,
1954, pp 27-29, Encl to IR-754-55, Germany.
CIA C 37509

AF 664067

Forbidden Co² Lines in the EOLAS Spectrum, W
A. A. HILTON,

RUSSIAN, thrice-20 DEF, Doc AL Mark 6200, Vol
XCVIII, No 1, 1954, pp 31-33.

Sci (rus) Feb 55/2565-
Def Sci Info Gy
DNB T.162.R

Scientific - Astronomy

Feb 55 CTS/DKK

21, 201

On the Theory of the Hall Effect in Ferrimagnetics,
by N. S. Akulov, A. V. Chermishkina, 4 pp.
UNCLASSIFIED

RUSSIAN, thrice-mo per, Dok Ak Nauk, 8893,
Vol XCVIII, No 1, 1954, pp 35-38.

13,963
Scientific - Physics
Chemistry

Navy Tr 1175/ARL 518
D 518 12 11

May 55 CTS/DEX

Experimental Study of the Temperature Dependence of
the Intensity of the Stokes' Lines Arising From First
Order Combined Dispersion, by Ya. S. Bobovich, 4 pp.

RUSSIAN, Es per, Dok Ak Nauk SSSR, Vol XCVIII, 1954,
pp 39-42.

AEC Tr 2561

Sci - Physics
Nov 56 CIB

40,432

Correlation of the Statistical and Impact Theories
On the Width of Spectral Lines, by I. I. Sobelman,
4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCVIII, 1954,
pp 43-45.

ABC Tr 2562
AF 664067 (Abstract)
CIA C 37509

Sci - Physics
Nov 56 CTS

40,434

(FDD 25851)

Dependence of a Brightness of Light Flashes Upon
Their Duration, by A. V. Luizov, 5 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol
XCVIII, No 1, Moscow, Sep 1954, pp 55-57.

CIA/FDD/U-7900

USSR

Sci - Biology, biochemistry

Feb 1956 CTS

32,377

Investigation of the Width of Spectral Lines in
an Arc Source of Light, by A. Ya. Vyatsky, I. M.
Nagibina. UNCL

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCVIII,
No 1, 1954, pp 59-62.

CCT-1290B

Sci - ~~Astronomy~~ Phys
Sep 59

96,652

Influence of Chrome Upon the Binding Forces of the
Crystals of the Alpha Iron, by V. K. Kriskaya,
B. E. Kurdyumov, T. I. Stelleskaya (abstract)

RUSSIAN, hrice-mo per, Dok Ak Nauk , Vol XCVIII,
1954, pp 63-66, Encl to IR-754-55, Germany.

CIA C 37509

AF 664067

61-25571

Putokhin, N. I. and Yakovlev, V. I.
THE REACTION OF DIAZOTIZATION OF
2-THIENYLAMINE AND THE AZO COMPOUNDS OF
THE THIOPHENE SERIES (Reaktsiya Diazotirovaniya
2-Tienilamina i Azosodineniya Tiofenovogo Ryada) tr.
by G. Belkov. 1961, 7p. NRCC Technical trans. 972.
Order from NRCC \$0.50 NRCC C-3733

Trans. of Akad[emiya] Nauk SSSR. (Doklady, 1954,
v. 98, no. 1, p. 89-91.

DESCRIPTORS: *Dyes, Synthesis, *Thiophenes,
*Amines, *Azo compounds, Chemical reactions.

(Chemistry--Organic, TT, v. 7, no. 3)

I. Putokhin, N. I.
II. Yakovlev, V. I.
III. NRCC TT-972
IV. NRCC C-3733
V. National Research Council
of Canada

Office of Technical Services

Optical Investigation of Adsorption and Surface
Condensation of Vapors Near Saturation, by B. V.
Deryagin, E. M. Zorin, 4 pp.

Full tr

RUSSIAN, ~~see~~ thrice-mo per, Dok Ak Nauk SSSR, Vol
XOVIIE, No 1, 1954, pp 93-95.

NLL Ref: 5828.4F (12215)

Navy Tr No 1359/NRL 569

ET 40, 282

Sci - Physics
Oct 1956 GFS/dex

Thermochemical Study of the Structure of Dilute
Aqueous Solutions of Uranyl Chloride and Nitrate, by
I. I. Lipilina, O. Ya. Samoylov, 10 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCVIII, 1954,
pp 99-102. 92-20566
AEC-Tr-6265

Sci-Mat & Met
Mar 64

252,229

Mechanism of Adsorption of Acids by Active Carbon
From Non-Aqueous Solutions, by D. N. Strazhansko et al.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCVIII, No 1,
1954, pp 107-110.

Co-Op Tr Sch 216
\$1.12s. (4s.00.)

Sci - Chemistry

59,702

(FDD 24836)

Antimicrobial Compounds of Phycocyanin, by N. N.
Sisakyan, E. N. Bezinger, F. R. Kivkutsan, 9 pp.

RUSSIAN, thrice-a-year, Dok Ak Nauk SSSR,
Vol XCIVIII, No 1, Moscow, 1 Sep 1954, pp 111-114.

CIA/FDD/U-7538

USSR

Sci - Chemistry, photosynthesis

29,634

Ultimate Shearing Stress and Internal Friction
in De-aired Clay, by P. P. Budnikov,
I. A. Alperovich, 5 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol XCVIII, No 1, 1954, pp 115-118.

26,759

115 11609
Sci M Lib No 55/1318

Scientific - Physics

Sep 55 CTS

Inhibition of Photosynthesis by Oxygen, by I. Y.
Shlyapintokh, 6 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCVIII, 1954,
pp 141-144.

SIA Tr R-1317

Sci

Jun 58

65, 844

Euphausiids of the Sea of Japan Feeding on the
Copepoda, by L. A. Ponomareva.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XVIII,
No 1, 1954, pp 153-154.

Dept of Interior
QL1 E78 No 40

Sci - Biol

215,910

Oct 62

V
~~(FOUO 25894)~~
(FDD 25894)

The Determination of the Resultant Mechanical Processes Connected With Cardiac Activity and the Movement of Blood in the Vessels, by Ye. B. Babukiy, I. T. Akulinichev, 8 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XCVIII, No 1, Moscow, Sep 1954, pp 159-162.

CIA/FDD/U-7901

USSR

33,077

SCI - Medicine, cardiovascular system

A New Species of Dactylogyrus From the Gills
of the Amur Hypophthalmichthys Molitrix, by
A. Kh. Akhmerov.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCVIII, No 1,
1964, pp 167-168.

1964

Virginia Inst of
Marine Science
(Loan)

Sci
Sept 64

Effective Solution of Linear Approximation
Problems for Processes With Random, Stationary
 n -th Increments, ~~paper~~ by A. M. Yaglom, 6 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol. XCVIII,
No 2, 1954, pp 189-192.

Morris D. Friedman

\$3.00 *FILE*

Sci - Physics; Mathematics

38,250

Threshold Duration of Obscuration of a
Point-Source of Light, by K. N. Bulanova,
A. V. Luizov.

RUSSIAN, thrice-mo per, Dok Ak Nauk, Vol
XCVIII, No 2, 1954, pp 205-206. *CIA D177062*

NIH 5-43
Def Sci Info Sv
DHB T.160.R

Scientific - Physics

Trans 3717/APLT914
Feb 55 CTS/DEX

21,199

Discovery of an Innercrystalline Interior Absorption
in Aluminum Alloys by Means of the Method of
Microhardness, by V. I. Archarov, I. P. Berenova,
N. A. Kozina (abstract)

RUSSIAN, thrice-mo per, Dok Ak Nauk, Vol XCVIII, 1954,
pp 207-209, Encl to IR-754-55, Germany.

CIA C 37509

AF 664067

On the Determination of the Number of Vacancies
and the Energy of Vacancy Formation in Metals and
Alloys, by S. S. Gertsiken, 5 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol XCVIII, USSR, 1954, pp 211-213.

NEE 10/1/55
AEC Tr 2105

Scientific - Physics

CIA/FDD/X-1984
OTS 67/Apr 55

23,011

Influence of Alloying Additions Upon the Temperature
Dependence of the Shear Modulus of Iron, by N. S.
Rysina, B. N. Finkelsteiyn (abstract

RUSSIAN, thrice-mo per, Dok Ak Nauk, Vol XCVIII, 1954,
pp 215-217, Encl to IR-754-55, Germany.
CIA C 37509

AF 664067

Differential-Thermal Investigation of the
Formation of Complexes of Urea With n-Paraffins,
by ~~XXXXXXXXXXXX~~ A. V. Topchyev.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol XCVIII, 1954, pp 223-226.

Assoc Tech Sv RJ-226
\$7.60

TPH/TIB
TIL-T-4625

Scientific - Chemistry
CIS 73/Oct 1955

27,501

On the Relation Between the Ratio of the Heat
of Fusion and the Atomic Number of the Elements,
by A. A. Bochvar, G. M. Kuznetsov, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCVIII,
No 2, 1954, p 227.

OT/1235
Sci Ma Lib Tr 55/0800

25,169

AERE 505

Scientific - Nuclear Physics ¹ Jun 55 CTS

Exchange and geological preservation of the
oxygen of solid carbonates in aqueous solutions,
by A. Trofimov, 11 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, 98, no 2,
p 237-40, 1954.

9847-297
SLA R-3641

Sci

Aug 59

94, 434

Plaksin, I. N. and Seasonov, S. V.
ABSORPTION OF OXYGEN IN SULPHIDE SUS-
PENSIONS (Pogloshchenie Kisloroda v Sul'fidnykh Sus-
penziyakh). Dec 61 [5]p. 1 ref. RTS 1931.
Order from OTS or SLA \$1. 10 62-13916

Trans. of Akademiya Nauk SSSR, (Doklady), 1954,
v. 98, no. 2, p. 251-252.

DESCRIPTORS: *Sulfides, *Solutions, *Oxygen,
*Absorption, Pyrites, Minerals, Flotation

Experiments show that oxygen is absorbed by the
sulfides to a significant extent even when the sulfide
pulp is considerably diluted. The oxygen is absorbed
by pyrites and galena principally at the first instant
of contact, whereas chalcopyrite absorbs the oxygen
gradually. These peculiarities of the minerals with
regard to the action of oxygen agree with the influence
(Metallurgy, TT, v. 7, no. 8) (over)

62-13916

- I. Plaksin, I. N.
- II. Seasonov, S. V.
- III. RTS-1931
- IV. Department of Scientific
and Industrial Research
(Gt. Brit.)

201386

Office of Technical Services

Peculiarities in the Diurnal Rhythm of Engorged
Ixodes Persulcatus Dropping From Cows, by Yu. S.
Balashov, 6 pp.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol XCVIII,
No 2, 1954, pp 317-319.

Sci Tr Center RT-3736

36,119

Scientific - Biology

Jun 56/dex

On Some Coupled (dual) Integral Equations.
by ~~XXXXXXXXXXXX~~ A. I. Zhukovskiy, 6 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR.
Vol KCVIII, 1954, p 333-336.

Morris D. Friedman

\$3.00

Scientific - Physics

See Serials Lib-56/0523
CTS 67/Apr 55

22,948

Improvement of the First Approximation in
for Studying Self-Oscillations of High Order
Nonlinear Systems, by E. P. Popov, 7 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol XXVIII, 1954, p 345. ~~347~~

Morris D. Friedman *P-115*
\$3.50

9093106

USSR

Scientific - Physics

OTS 65/Feb 55

21, 317

On the Stability and the Sloping Flowing Through
of Two-Parametric Whirl Paths, by Bl. Dolapsiyev
(abstract)

RUSSIAN, thrice-mo per, Dok Ak Nauk, Vol XCVIII, 1954,
pp 349-352, Encl to IR-754-55, Germany.
CIA C 37509

AF 664067

On the Nature of the Discrete Sources of Cosmic
Radio Emission, by I. S. Shkolovskiy.

RUSSIAN, thrice-mo per, Dok Ak Nauk, Vol
XCVIII, No 3, 1954, pp 353-356. CIAD166673

Def Sci Info Sv
DRB T.163.R

Astronomy

Scientific -- ~~Electronics~~ Feb 55 ~~1955~~

21,156

Calorimetric Measurements of the Activity and Number of
Gamma-Quanta per Decay Act, by K. K. Aglintsev,
E. A. Khol'nova, 8 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCVIII, 1954,
pp 357-360. 9218769

AEC-UCRL-Tr-1002(L)

Sci-Nucl Sci
Feb 64

248,918

The Renormalization of Mass and Charge in the
Covariant Equations of the Quantum Theory of the
Field, by A. D. Galanin, B. L. Ioffe, I. Ya.
Pomeranchuk (abstract)

RUSSIAN, thrice-monthly, Dok Ak Nauk, Vol XCVIII,
1954, pp 361-364, Encl to IR-754-55, Germany.
CIA C 37509

AF 664067

Experimental Investigation of the Reflecting Power
of Coloured Cloudy Media, by A. A. Ily~~a~~ina, G. B.
Rozenberg (abstract)

RUSSIAN, thrice-mo per, Dok Ak Nauk, Vol XCVIII, 1954,
pp 365-368, Encl to IR-754-55, Germany.
CIA C 37509

AF 664067

S-5270

(DC-2943).

The Problem of Experimental Verification of
the Theory of Crystal Growth, by Yu. A. Krishtal,
5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Novaya Seriya,
Vol. XCVIII, No 3, 1954, Moscow, pp 395-397.

JPRS-L-1787-D

Sci - Phys, Crystal Growth
Aug 59

93, 345

A Statistical Determination of ~~the~~ the Basic
Structural Amplitudes, by I. M. Rumanova

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol ~~XCVIII~~, No 3, 1954, pp 399-402.

Navy Tr 1275/RRL 541

Scientific - Physics
Jan 56 GTS/dex

30,697

NLL 11.2398

The Structure of Drying Gels, Their Pores and
Particles, by A. V. Kiselev.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCVIII,
No 3, 1954, pp 431-434.

Sci Tr Center
RT-2922

Sci - Chemistry
Jan 1956/CTS No 77

30,539

Phenomena of Destruction of the Passive State
in Stainless Steels in Highly Oxidizing Solutions,
by N. D. Tomashov, G. P. Chernova. UNCLASSIFIED

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XLXCVIII,
No 3, 1954, pp 435-438. 967 663

Navy 2254/IRL 734

Sci - Min/met
Aug 59

CIA/FDD X-3460

95,663

Gonikberg, M.G., Gavrilova, A.E., and Kazanskiĭ, B.A.
THERMAL AND CATALYTIC CRACKING OF PARAF-
FINS AT HIGH PRESSURE. 7 p. 8 refs. MTWL: 664.
Order from OTS or ETC \$1.55 61-17196

Trans. of Akademiya Nauk SSSR, Doklady, 1953,
v. 98, no.3, p. 483-486.

DESCRIPTORS: High pressure research, High tempe-
rature research, Decomposition, *Hexanes,
Alumina-silica catalysts.

61-17196

- I. Gonikberg, M.G.
- II. Gavrilova, A.E.
- III. Kazanskiĭ, B.A.
- IV. MTWL-664
- V. Stichting Moeilijk
Toegankelijke Wetenschap-
pelijke Literatuur

Office of Technical Services

Mashkovtsev, M. F., Tasapkova, N. A., and
Motseeva, M. E.

DESTRUCTION OF NICOTINE BY THE TISSUES OF
THE TOBACCO PLANT DURING THE AUTOLYSIS
AND HUNGER METABOLISM. [1962] 10p.

Order from K-H \$12.50

K-H 3390-d

Trans. of Akademiya Nauk SSSR. Doklady, 1954,
v. 98 [no. 3] p. 491-494.

DESCRIPTORS: *Nicotine, Decomposition, *Tissues
(Biology), *Tobacco, *Metabolism, Hunger.

(A) (reduced) (First Cultivation, TT, v. 8, no. 2)

62-22546

I. Mashkovtsev, M. F.

H. Tasapkova, N. A.

III. Motseeva, M. E.

IV. K-H-3390-d

V. Kresge-Hooker Science

Library Associates,

Detroit, Mich.

Order from K-H 3390-d

62-25644

Strogonov, B. P. and Ivanitskaya, E. F.
EFFECT OF SOIL SALINITY ON THE STABILITY OF
THE CHLOROPHYLL-CHLOROPLAST PROTEINS LINK
IN COTTON (Vliyaniye Pochvennogo Zasoleniya na
Prochnost' Svyazi Khlorofilla s Belkami Khloroplastov u
Khlopchatnika) tr. by M. Slade. [1962] [9]p. (foreign
text included) 8 refs. [CSIRO] Trans. no. 5471.
Order from OTS or SLA \$1.10 62-25644

Trans. of Akademiya Nauk SSSR, Doklady, 1954, v. 98,
no. 3, p. 497-499.

DESCRIPTORS: *Soil, *Salinity, Chlorophylls, Proteins,
*Cotton, Dehydration, Plants, Injuries.

Salt additions to the plants in a cotton field had a mass
effect, but this effect was not uniform; it was concen-
trated in discrete portions of the field, and in the indi-
vidual rows injured plants alternated with plants that
(Agriculture--Plant Cultivation, TT, v. 9, no. 7)(over)

- I. Strogonov, B. P.
- II. Ivanitskaya, E. F.
- III. CSIRO Trans-5471
- IV. Commonwealth Scientific
and Industrial Research
Organization (Australia)

Office of Technical Services

1750 (LA-tr-71-67) PRESERVATION OF CONDITIONALLY
PERIODIC MOVEMENTS WITH SMALL CHANGE IN THE HAM-
ILTON FUNCTION. Kolmogorov, A. N. Translated by Helen
Dahlby (Los Alamos Scientific Lab., N. Mex.), from Dokl.
Akad. Nauk SSSR; 98: 527-30(1954). 7p.

mathematics; physics; translations

ND-34 P RC

Unlimited

On the Transformation of a Mimosyclic Sequence
into a Recurrent, by V. I. Shestakov, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCVIII,
No 4, 1954, pp 541-544.

MDF 8-107

Sci ~ *Electron*
Jul 61

/61,386

Self Oscillations of High Order Nonlinear Systems
With Slowly Varying External Action, by E. P.
Popov, 6 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol XCVIII, 1954, p 545. 549

Morris D. Friedman P-116
\$3.00

4043007

USSR

Scientific - Physics

OTS 65/Feb 55

21,310

Determination of the Filtration Velocity of a
Liquid at the Colmation Process, by Yu. M. Tsechtman
(abstract)

RUSSIAN, thrice-mo per, Dok Ak Nauk, Vol XCVIII,
1954, pp 549-552, Encl to IR-754-55, Germany.

CIA C 37509

AF 664067

The Operators of the True Particles and a Precised
Determination of the T-Product, by B. L. Bong-
Bruyevick (abstract) ck

RUSSIAN, thrice-mo per, Dok Ak Nauk, Vol XCVIII,
1954, pp 561-563, Encl to IR-754-55, Germany.
CIA C 37509

AF 664067

Surface Tension of Solutions of Isotopes of Helium,
by B. M. Reelson, N. G. Bereznyak, 6 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol. LXVIII, 1954,
pp 569-571.

SEC TM 3264

AF 664067

CIN-C-32509

Sci - Chem

sep 50

72, 716

The Movement of Positive Ions in Their Own Gas, by
Yu. M. Kagan, V. I. Peral, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCVIII, 1954,
pp 575-8.

ABU tr 2564
~~AT 66069 (Abstract)~~
~~CTA 8 37509~~

Sci - Physics
Nov 56 CFB

40,436

Investigation of Thin Films With Variable Composition of the System Mg-Sb by I. V. Mosan (abstract)

RUSSIAN, mo per, Dok Ak Nauk, Vol XCVIII, 1954, pp 579-582, Encl to IR-754-55, Germany.
CIA C 37509

NTC/BOL-TR-387-70 AF 664067

NTC-71-11786-20L 772579-884

Accelerated Graphitization of White Cast
Iron With Increased Chromium Content, by
M. A. Krishtal,

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCVIII,
No 4, 1954, pp 503-504,

23,609

Brutcher Tr No 3446
#1.75

Scientific - Min/Metals

May 55 CTS

Precision Determination of the Parameters of the
Unit Cell in Crystals of the Triclinic System,
by A. F. Yevinsh, Ya. K. Ozol, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCVIII, No 4,
1954, pp 589-591.

Sci Mu Lib Tr 55/0924

25,179

Scientific - Physics

Jul 55 CTS

61-15384

Shilov, A. Ye.
THE KINETICS AND MECHANISM OF THE PRI-
MARY DECOMPOSITION OF ALLYL CHLORIDE
(Kinetika i Mekhanizm Pervichnogo Raspada
Khloristogo Ailila). Jan 61 [9]p. 5 refs. RTS 1706.
Order from LC or SLA mi\$1.80, ph\$1.80 61-15384

Trans. of Akademiya Nauk SSSR. Doklady, 1954,
v. 98, no. 4, p. 601-604.

148,744

1. Allyl compounds--
Decomposition
2. Chlorides--Decomposition
1. Shilov, A. Ye.
- II. RTS-1706
- III. Department of Scientific
and Industrial Research
(Gt. Brit.)

Office of Technical Services

(Chemistry--Physical, TT, v. 5, no. 7)

Electrodeposition of Chromium, by A. T. Vagramyan,
D. N. Usachev,

RUSSIAN, per, Dok. Ak. Nauk SSSR, Vol. XCVIII,
No 4, 1954, pp 605-607.

22,165

Brutcher Tr No 3441
\$2.90

Scientific - Min/Metals

Apr
~~May~~ 55 CTS

Investigation of the Absorption Spectrum of Primary
Centers in the Grains of Photographic Emulsions, by
E. A. Kirillov and E. A. Nesterovskaya, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCVIII, No 4,
1954, pp 609, 610.

CIA/X-1803

USSR
Sci - Physics

26, 339

Cryoscopic Titration, by M. Usanovich, T. Sumarokova,
Yu. Nevskaya, 6 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCVIII,
1954, pp 617-618.

AEC UCRL-Tr-573(L)

Sci - Chem
21 Feb 61

140,915

New Data on the Origin of Ukrainian Losses, by A.
Ryabchenkov.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCVIII, No 4,
pp 633-636, 1954.

CSIRO-3140

Sci - Chem
Aug 58

70,699

Polygraphic Investigation of Sulfuric Acid
Solution of Titanium and Niobium, by E. I. Krylov,
D. S. Kolevator, V. A. Samarina, 7 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol
XCVIII, 1954, pp 593-595.

AEC Tr 3040

Sci - Chem
Oct 57

54, 286

Morphological Peculiarities of Some Accessory
Minerals of Igneous Rocks and Their Significance
fro the Petrography of Sedimentary Rocks, by
V. A. Vakhrushev,

RUSSIAN, per, Do Ak Nauk SSSR, Vol XCVIII, No 4,
1954, pp 641-644.

Assoc Tech Sv RJ-736
\$6.60

Sci - Geophysics
Aug 57

51,735

(FDD 25850)

The Determination of Nucleic Acids in the Fibers of
the Skeletal Musculature During Regeneration, by YE
Ye. V. Dmitriyeva, 7 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XCVIII,
No 4, Moscow, 1 Oct 1954, pp 653-656.

CIA/FDD/U-7858

USSR

Sci - Medicine, biochemistry

32,341

Feb 1956 CTS

V
(FDD 25893)

The Histo-Cytological Changes in a Wound at a Different Level of Basic Metabolism, by G. V. Khomullo, 6 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XCVIII No 4, Moscow, 1 Oct 1954, pp 685-688.

CIA/FDD/U-7859

USSR

Sci - Medicine, cytology

32,342

Feb 1956 CTS
+

Some Criteria for the Completeness of a System
of Characteristic and Adjoint Vectors of Linear
Operations in Hilbert Space, by M.A. Naimark.

RUSSIAN, per, Doklady Akad. Nauk SSSR, Vol 98,
No 5, 1954, pp 727-730. P91129266

PAEC ANL to 365

Sci/Mathematical Sci
Oct 66

Hydromechanics, (The Approximate Determination
of the Vortex Resistance), by Bl. Dolaptchov,
3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCVIII, No 5,
1954, pp 743-746.

CIA/FDD X-3787

Sci .. ^{6/19/58} Physics
Nov 59

dist. no. 100
100,233

Absorption of Ultrasonic Sound in Helium 2, by
R. G. Arkhipov, 3 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol XCVIII, 1954, p 747-748.

Sci Mus Lib No 55/1090

Sci - Physics
CTS 71/Aug 1955

25, 738

D.S.I. 54

SLA 60-13879

Quantum Theory of the Magnetostriction of Ferro-
Magnetic Monocrystals, by A. A. Gusev (abstract), 6/1/

RUSSIAN, thrice-mo per, Dok Ak Nauk, Vol XCVIII,
1954, pp 749-752, Encl to IR-754-55, Germany.
CIA C 37509

AF 664067

RT 3418

Infrared Radiation of a High-Frequency Discharge
of Carbon Monoxide and Carbon Dioxide, by N. Ya.
Dodonova (abstract)

RUSSIAN, thrice-mo per, Dok Ak Nauk, Vol XCVIII,
1954, pp 753-756, Encl to IR-754-55, Germany.
CIA C 37509

AF 664067

See Index file
00/2000

7/15/55

(THE Trenchard)

T-535

Some Regularities in the Formation of the Chemical
Composition of Atmospheric Precipitation, by
P. P. Voronkov, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, 1954, Vol XCVIII,
No 5, pp 765-768.

SLA 59-15448

Sci

Oct 59

Vol 2, No 3

79,928

Energy Distribution in the Luminosity Spectrum
of the Night Sky, by E. N. Pavlova, 5 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol ~~SEVEN~~
XCVIII, No 5, 1954, pp 769-771.

ATIC F-TS-8705/III

Sci - Astronomy

33,245

Apr 56

AFU-11-11/100
-10 T-250N 11/11/11
11/11/11

On the Problem of the Mechanism of the Artificial
Aging of Aluminum Alloys, by V. M. Berezianin
(abstract)

RUSSIAN, thrice-mo per, Dok Ak Nauk Vol XCVIII, 1954,
pp 773-775, Encl to IR-754-55, Germany.
CIA C 37509

AF 664067

Influence of Aluminum Upon the Greatness of the
Interatomic Bindings of Silver, by B. N. Finkelsteyn,
A. I. Yamskikova (abstract)

RUSSIAN, thrice-mo per, Dok Ak Nauk, Vol XCVIII, 1954,
pp 781-782, Encl to IR-754-55, Germany.
CIA C 37509

AF 664067

61-187-2

Conjugate Reactions of the Addition of Halogens to
Olefins, by A. I. Titov, F. L. Maklyayev,

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol XCVIII,
No 5, 1954, pp 795-798.

Assoc Tech Sv
RJ-350

Sci - Chemistry

Aug 1956

37,003

\$5.25

The Influence of Nucleic Acids on ^{18}O Respiration of
Cells, by O. P. Chapinoga, N. I. Kerova, 3 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol ^{XCVIII} ~~BIOMEDICAL~~
No 5, 1954, pp 819-820.

Sci Tr Center RT 3106

SCIENTIFIC - Chemistry

Feb 56

31,037

A New Biological Type of Bacteria With a
Predatory Mode of Nutrition, by B. V. Perfil'ev,
12 pp.

XLVIII

No 5,

RUSSIAN, per, Dok Ak Nauk SSSR, Vol 98(5),
1954, pp 845-848.

Sci Mus Lib Tr 55/2922

Sci - Biology

30,860

The Variation of Multivalent Functions, by S. A. Gel'fer.

RUSSIAN, per, Dokl Akad Nauk SSSR, Vol. XXXVIII, 1954,
pp 885-888.

Amer Math Soc

Sci - Math & Data Pro
Sept 63

344,237

Defects of Meromorphic Functions, by A. A. Gol'dberg,

RUSSIAN, Tr. Akad. Nauk SSSR, Vol. LXVIII, 1954,
pp 893-911 895.

Amer Math Soc

Sci-Math

Jan 64

246, 440

The Solution of the Problem of the Filtration of
a Liquid Mixture With suspended Solid Particles
at an Output Variable by Time and at Constant
Decrease in Pressure, by Yu. M. Tsechtman (abstract)

RUSSIAN, thrice-mo per, Dok Ak Nauk, Vol XCVIII,
1954, pp 917-920, Encl to IR-754-55, Germany.

CIA C 37509

AF 664067

On the Carrying Capacity of Primarily Anisotropic
Shells, by M. Ts. Mikaladze (Abstract)

RUSSIAN, thrice-mo per, Dok Ak Nauk, Vol XCVIII,
1954, pp 921-923, Encl to IR-754-55, Germany.
CIA C 37509

AF 664067

On the Excitation of Nonideal Radio Wave
Conductors, by V. A. Ilyin (abstract

RUSSIAN, thrice-mo per, Dok Ak Nauk, Vol XCVIII,
1954, pp 925-928, Encl to IR-754-55, Germany.

CIA C 37509

AF 664067

The Hyperfine Structure of the Lines of the
Paramagnetic Resonance in Solutions of Mn^{++} and
 VO^{++} (abstract)

RUSSIAN, thrice-mo per, Dok Ak Nauk, Vol XCVIII,
1954, pp 929-931, Encl to IR-754-55, Germany.
CIA C 37509

AF 664067

On the Theory of the Vacuum Functional, by N. P.
Klepikov, (abstract)

RUSSIAN, thrice-mo per, Dok Ak Nauk, Vol XCVIII,
1954, pp 937-940. CIA Ø C-37509
Encl to IR-754-55, Germany.

AF 664067

On the Excitation Mechanism of the Oscillation
Levels of Molecules in an Electric Discharge,
by N. Ya. Dodonova (abstract)

RUSSIAN, thrice-mo per, Dok Ak Nauk, Vol XCVIII,
1954, pp 933-935, Encl to IR-754-55, Germany.
CIA C 37509

AF 664067

(R.A.E. FARNBOROUGH)

T 536

Schmidt 55/2/87

Electromagnetic Waves in a Rectangular Waveguide
Filled With a Magnetized Ferrite, by A. L.
Mikheylyan, 6 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol XCVIII, 1954, p 941-~~944~~

Morris D. Friedman *M-101*
\$3.50

Scientific - Physics

CTS 62-11617

CTS 67/Apr 55

22,942

The Consideration of the Magnetic Interaction in
the s-d Exchange Model of a Ferromagnetic Metal,
by E. A. Turov, (abstract)

RUSSIAN, thrice-mo per, Dok Ak Nauk, Vol XCVIII,
1954, pp 945-948, Encl to IR-754-55, Germany.
CIA C 37509

AF 664067

Correlation of the Amplitudes and Phases in
Wave Propagation in Statistically-Inhomogeneous
Media, by L. A. Chernov, 7 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol XCVIII, 1954, p 953.

Morris D. Friedman
\$3.50

Scientific - Physics

JIB/SI - D.SI. - 63
CTS 67/Apr 55

22,939

Annual Curve of the Infrared Emission of the
Night Sky, by S. F. Rodionov, 7 pp.

RUSSIAN, thrice-a-week per, Dok Ak Nauk SSSR, Vol XCVIII,
No 6, 1954, pp 957-960.

0-11111

34,359

ATTC F-18-B 8708/III

Scientific - Astronomy

SLA R-257
Nov 55 CTS/DEX

AF 114.211 Galto IR-162-57

11/11/54