

Silicon Films with Anomalous High
Photovoltage, by E. I. Adirovich, Yu. M.
Yuabov, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Physics
Section, Vol CLV, No 6, pp 1286-1289.

Amer Inst of Phys
Sov Phys-Doklady
Vol IX, No 4

Sci
Aug 65

Anomalous Galvanomagnetic Properties of
Cd, by Li. A. Babushkina, 2 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Physics
Section, Vol CLV, No 6, Apr 1964, pp 1290-1292.

Amer Inst of Phys
Sov Phys-Doklady
Vol IX, No 4

Sci
Aug 65

Cause of the Saturation in Carrier Drift
Velocity in Piezoelectric Semiconductors,
by A. A. Grinberg, 1 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Physics
Section, Vol CLV, No 6, pp 1293.

Amer inst of Phys
Sov Phys-Doklady
Vol IX, No 4

Sci
Aug 65

Transitions to Vibrational Levels Caused
by Molecular Collisions, by B. M. Smirnov,
3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Physics
Section, Vol CLV, No 6, Apr 1964, pp 1294-1297.

Amer Inst of Phys
Sov Phys-Doklady
Vol IX, No 4

Sci
Aug 65

The Theory of Laser Radiation, by H. L.
Ter-Mikaelyan, A. L. Mikaelyan, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Physics
Section, Vol CLV, No 6, Apr 1964, pp
1298-1301.

Amer Inst of Phys
Sov Phys-Doklady
Vol IX, No 4

Sci
Aug 65

Effect of Heat Treatment on the Strength
and Structure of Glass Fibers, by C. M.
Bartenev, L. I. Motorina, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Physics
Section, Vol CLV, No 6, Apr 1964, pp
1302-1305.

Amer Inst of Phys
Sov Phys-Doklady
Vol IX, No 4

Sci
Aug 65

Thermal Fatigue of Nickel, by V. P. Zubekhin,
P. D. Novokreshchenov, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Physics Section,
Vol CLV, No 6, Apr 1964, pp 1306-1309.

Amer Inst of Phys
Sov Phys-Doklady
Vol IX, No 4

*Sci
Eng*

Deformation of the Crystal Lattice of a
CoPt Alloy During the Initial Stages
of Ordering, by Yu. D. Tyapkin, K. M.
Yamaleev, 2 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Physics
Section, Vol CLV, No 6, Apr 1964, pp
1310-1313.

Amer Inst of Phys
Sov Phys-Doklady
Vol IX, No 4

D

Laboratory and Field Research into the Piezo-
electric Effect of Nepheline Containing Rocks,
by O. Yu. Schmidt, A. V. Shubnikov, 6 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CLV,
No 6, 1964, pp 1314-1316.
JPRS 25126

Sci - ES & A
Jun 64

262,026

The structure of the Products of photochemical
reactions of Porphyrins, by I. P. Shrinovskii,
et al,

Collection, per, Ukrainian Chem. Rev., Vol. 33,
1964, pp 1545-1547.

Ukr 30-4658

Ukr 30-4658

Ukr 30-4658

321,323

Determination of the Thermodynamic Constants
of Molecular Compounds by the Electrodeometric
Titration Method, by I. G. Arzamanova,
E. N. Gur'yanova, et al, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Physical
Chemistry, Vol CLV, No 6, Mar, Apr 1964,
pp 1391-1393.

CB

Sci

May 65

A Spectral Investigation into the Reaction
of Solid Layers of Porphin Dyes with Hydrazine
Vapor, by A. T. Vartanyan, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Physical
Chemistry, Vol CLV, No 6, Mar, Apr 1964,
pp 1394-1397.

CB

Sci
May 65

Antiradical Activity and Radioprotective
Properties of Free-Radical Reaction Inhibitors,
by E. B. Burlakova, V. D. Gayntseva, et al, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Physical
Chemistry, Vol CLV, No 6, Mar, Apr 1964,
pp 1398-1400.

CB

Sci
May 65

An Electron-Microscope Investigation into the Structure of the Copolymer of Diethylvinyl Phosphate and Acrylic Acid Possessing Complexing Properties, by V. A. Kargin, A. A. Efendyev, et al. 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Physical Chemistry, Vol CLV, No 6, Mar, Apr 1964, pp 1401-1403.

CB

Sci
May 65

The Part Played by the Polarity of the Inter-
micellar Liquid and the Intensity of its
Interaction with the Surface of Silicic Acid
Hydrogel Particles in the Formation of
Silica Gel Textures, by B. M. Mitsyuk,
Z. Z. Vysotskiy, extal, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Physical
Chemistry, Vol CLV, No 6, Mar, Apr 1964,
pp 1404-1406.

CB

Scxi
May 65

Radiolysis of Hydrocarbons on a Semiconductor Adsorbent, by I. A. Myasnikov, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Physical Chemistry, Vol XLV, No 6, Mar, Apr 1964, pp 1407-1410.

CB

Sci
May 65

An Investigation into the Thermodynamic Properties of Solutions of Strong Electrolytes in Solvents with High ~~ED~~Dielectric Constants, by Yu. M. Povarov, Yu. M. Kessler, et al, 3 pp. RUSSIAN, per, Dok Ak Nauk SSSR, Physical Chemistry, Vol CLV, No 6, Mar, Apr 1964, pp 1410-1414.

CB

Sci
May 65

Neutron Diffraction Determination of the Position of the Hydrogen Atoms in Dicyandiamide, by H. V. Rannev, R. P. Ozerov, 3 pp. RUSSIAN, per, Dok Ak Nauk SSSR, Physical Chemistry, Vol CLV, No 6, Mar, Apr 1964, pp 1415-1418.

CB

Sci
May 65

Polymorphism and Formation of Hydroxyethylated
Alcohol Hydrates and Their Equilibrium with
Monolayers, by A. A. Trapeznikov,
T. A. Lomonosova, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Physical
Chemistry, Vol CLV, No 6, Mar, Apr 1964,
pp 1419-1422.

CB

Sci

May 65

Laws Governing Adsorption of Organic
Substances on Mercury, by G. A. Tedoradze, ~~1~~
2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Physical
Chemistry, Vol ~~235~~ CLV, No 6, Mar, Apr 1964,
pp 1423-1424.

CB

Sci

May 65

Determination of the Dimensions of the
Drops of a Sulfuric Acid Fog by Means
of the Electron Microscope, by M. E.
Kuperman, I. G. Stoyanova, 1 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Chemical
Technology Sections, Vol CLV, No 6,
Jan-Apr, 1964, pp 1427-1428.

CB

Sci
Aug 65

New Data on the Structure of the Earth's Crust in
the Sea of Japan, by Yu. P. Kopylov, V. I.
Kopylov, et al., 6 pp.
RUSSIAN, per, Doklady Akademii Nauk SSSR, Vol CLV,
No 6, 1964, pp 1429-1431.
JPRS 27055

Sci-Earth Sciences & Astronomy
Feb 65

272,977

Autoradiographic Investigation of Ovulatory,
Depositied, and Dividing Frog Eggs, by P. V. Makarov
4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Physical
Chemistry, Vol CLV, No 6, Mar Apr 1964,
pp. 1432-1434.

CB

Sci
Jul 65

Autoradiographic Investigation of DNA Synthesis during
Direct Nuclear Fission in Dinucleate and Polynucleate
Cells. by N. G. Khrushchov and I. V. Zaborskaya 3 pp,
RUSSIAN, per, Dok Ak Nauk SSSR, Physical Chemistry,
Vol, CLV, No 6, Mar Apr 1964, pp. 1435-1437.

CE

Sci
Jul 65

Nitrogen-Fixing Bacteria in Soils of Mangrove Thickets
of the Gulf of Tonkin, by A. G. Rodina, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Physical Chemistry,
Vol CLV, No 6, Mar Apr 1964, pp 1437-1439.

CE

Sci
Jul 65

An Investigation of Complexes of Nucleic Acids with
Acridine Orange by the Rotatory Dispersion Method,
by V. I. Permogorov, Yu. S. Lazurkin, et al., 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Biophysics,
Vol CLV, No 6, 1964, pp 1440-1445.

CB

May 65

Study of Protein-Bound Carbohydrates of the Wall
of the Aorta in Atherosclerosis, by Yu. E. Bere-
zov, R. V. Merkuryeva, et al, 3 pp.
RUSSIAN, per, Dok Ak Nauk ~~SSSR~~SSSR, Biochemistry,
Vol ~~CLVI~~CLVI, Jan-Jun, No 6, 1965, pp 1444-1446.

CB

Sci
Jul 65

Effect of Watering on the Catechin Content of
Tea Plants, by K. M. Dzhemukhadze, F. G. Nakhme-
dov, 2 pp.
RUSSIAN, ~~2~~ per, Dok Ak Nauk SSSR, Biochemistry,
Vol ~~SLIV-SLVI~~, Jan-Jun, No 6, 1964, pp 1447-1448.

CAP

CB

Sci
Jul 65

Effect on Enzymatic and Optical Activity of Lysozyme of Irradiation with Electrons and Protons, by M N. A. Kravchenko, V. P. Zrelov, et al, 3 pp. RUSSIAN, per, Dok A^K Nauk SSSR, Biochemistry, Vol CLIV-CLVI, Jan-Jun, No 6, 1964, pp 1449-1451.

CB

Sci
Jul 65

Effect of Bivalent Cations on Displacement of
Electrochemical Equilibrium in K DNA Solutions,
by A. G. Pasynskiy, R. S. Chernyak, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Biochemistry, Vol
~~61IV-61VI~~, Jan-Jun, Vo 6, 1964, pp1452-~~15~~ 1454.

CKJ

/ CB

Sci
Jul 65

State of the Ammonia-Glutamic Acid-Glutamin System
in Rat Brain During Development of Sarcoma M-1,
by A. V. Rogoznaya, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biochemistry, Vol
~~Chimicheskii~~ I, Jan-Jun, No 6, 1964, pp 1455-1456.

CB

Sci
Jul 65

Study of the Kinetics of Hydrolysis of the Phos-
phamide Bond of Adenylyl-(5'-N)-Phenylalanine,
by E. P. Savelyev, T. S. Ryabova, et al, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Biochemistry, Vol
~~CLIV-0571~~, Jan-Jun, No 6, 1964, pp 1457-1459.

CB

Sci
Jul 65

Effect of Phosphates on the Yield of Essential
Oil, by Yu. F. Chirikov, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Biochemistry, Vol
~~CHIV-CLVI~~, Jan-Jun, No 6, 1964, pp 1460-1463.

CB

Sci
Jul 65

The Effect of Magnesium Concentration
on Pigment Synthesis in Scenedesmus
quadricauda, by I. M. Velichko, 2 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Botanical
Sciences, Vol Clv, Jan-Jun 1964, pp 1463-1464

CB

Sci
Aug 65

Free Homoplasty of Ground Muscular Tissue in Animal
Experiments, by A. N. Studitskiy, and O. K.
Rumyantseva, pp 3,
RUSSIAN, per Dok Ak Nauk SSSR, Physical
Chemistry, Vol CLV, No 6, Mar Apr 1964, pp.1465-1467

CE

Sci
Jul 65

Central Action of Certain Cholinergic
Substances on Mice on Intravenous Injection and
on Injection into the Lateral Ventricle. by E. V.
Zeynal' 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Physical
Chemistry, Vol CLV, No 6, Mar Apr 1964, pp
1468-1471.

CE

Sci
Jul 65

Experimental Hypercholesteremia and Atherosclerosis
in Rabbits after Castration. by A. I.
Seranova, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Physical Chemistry.
Vol CLV, No 6, Mar Apr 1964, pp. 1472-1475.

CB

Sci

Jul 65

The Joint Action of the Fungus *Beauveria Bassiana*
(Paals) Vuill. and Small Doses of DDT on the
Larvae of the Colorado Beetle *Leptinotarsa*
decemlineata Say. by V. P. Pristavko,
3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Physical
Chemistry, Vol CLV, No 6, Mar Apr 1964,
pp 1475-1477.

CL

Sci
Jul 65

Instability of Dynamical Systems with
Several Degrees of Freedom, by V. I. Arnol'd,
5 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math,
Vol CLVI, No 1, 1964, pp 9-12.

Amer Math Soc
Sov Math - Doklady
Vol V, No 3

Sci
Oct 64

267,5232

On the Possible Rate of Decay of a Solution
of an Elliptic Equation, 5 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math,
Vol CLVI, No 1, 1964, pp 13-16.

Amer Math Soc
Sov Math - Doklady
Vol V, No 3

Sci
Oct 64

267,533

The First Boundary Value Problem for Elliptic
Equations Which Degenerate the Domain Boundary,
by A. Narchayev.

RUSSIAN, per, ~~Dok Ak Nauk SSSR~~, Vol CLVI,
No 1, 1964, pp 28-31.

*Navy/APL J431

Sci - Phys
Sep 64

*Doc. 100-100000
Vol. 4, No. 3*

A General Condition for the Stability of Higher-
Order Correlation Functions in a Plasma, by
A. V. Yulianskiy, A. G. Kulikovskiy, et al.

Journal, Sov. Jour. Math. Physics sections,
Vol XLVI, No 1, May 1994, pp 35-57.

Amer Inst of Phys
Moscow-ov Phys
Vol IV, No 1

Sci
Ref 55

270,671

A Particular Solution of the Equations of the
Theory of Perfect Plasticity, by H. A. Zadovyan,
2 pp.

RUSSIAN, per, Dok Ak Nauk Physics Sections,
Vol CLVI, No 1, May 1964, pp 38-39.

Amer Inst of Phys
Doklady Sov Phys
Vol IX, No 5

Sci
Jan 65

270,888

Plane Explosion Waves in an Elasto-Plastic
Medium, by H. V. Zvolinskiy, 2 pp.

RUSSIAN, per, Dok Ak Nauk Physics Sections,
Vol CLVI, No 1, May 1964, pp 40-42.

Amer Inst of Phys
Doklady Sov Phys
Vol IX, No 5

Sci

Jan 65

270,890

Magnetic Fields of Collapsing Masses and the Nature
of Supernovae, by V. L. Ginzburg.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CLVI, No 1,
1964, pp 43-46.

NASA TT F-8910

Amer Inst of Phys

Dok - Sov Phys

Vol IX, No 5

Sci-Phys

Aug 64

U.S. GOVERNMENT ONLY

265,653

Size Distribution of Cosmic Balls Originating
From the Region of the Tunguska Meteorite Fall,
by N. I. Zaslavskaya, I. T. Zotkin, et al.
RUSSIAN, per, K Dok Ak Nauk SSSR, Vol CLVI, No 1,
1964, pp 47-49.

~~XXXXXXXXXXXX~~

NASA TT F-8909

AMER INST of Phys
Dok - Sov Phys
Vol IV, No 5

Sci-Ear Sci & Astron

Aug 64

U.S. GOVERNMENT ONLY

265,128

Stationary Resonance Regimes in Certain Vibrating
Systems, by V. N. Volosov, N. I. Morgunov, S. M.

Pliginskii, per, Am Math Phys Soc, Vol
CXXI, No 1, Jan 1969, pp 50-53.

Amer Inst of Phys
Doklady Sov Phys
Vol IX, No 5

Sci
Jan 69

270,875

Role of Molecular-Ion Formations in the Excitation
of Atomic Spectral Lines, by I. P. Luganov,

I. P. Luganov, 3 pp.

Usp. Fiz. Nauk, Ser. Fiz. Nauk, Vol. CLVI, No. 1, May 1964, pp. 54-56.

Usp. Fiz. Nauk
Sov. Phys. Usp.
Vol. 12, No. 1

Vol

Jan 64

175, 87

Neutrino luminosity of a star in gravitational
collapse in the General Theory of Relativity,
by Yu. G. Zel'dovich, N. A. Podurets, 5 pp.

ASTJAC, per, Dok Ak Nauk Physics Sections,
Vol CLVI, No 1, May 1964, pp 57-60.

Amer Inst of Phys
Doklady Sov Phys
Vol IX, No 5

Sci

Dec 65

270,879

Classification of Aluminos by Transition Metals.
by G. A. Lomilov, G. V. Samsonov, 3 v.

Abstract, Ser. Dok Ak Nauk Physics Sections,
Vol CML, No 1, May 1964, pp 61-63.

Amer Inst of Phys
Doklady Sov Phys
Vol IX, No 5

Sci
Jan 65

270,888

Effects of Collisions on the Drift Instability
of a Plasma for a Finite Larmor Ion Radius,
by A. L. Gikhalovskiy, G. P. Pogutse, 2 pp.

Abstract, per, Dokl Ak Nauk Physics sections,
Vol XLVI, No 1, May 1964, pp 61-65.

Amer Inst of Phys
Doklady Sov Phys
Vol IX, No 3

SCI
JIN 66

270,881

Structural defects and plastic strain of copper
at high pressures, by M. R. Gulyaev, M. I.
Gerasimov, 5 pp.

Abstract, for, Dokl. Akad. Nauk SSSR, Vol. XVI, No 1, May 1964, pp. 67-68.

Abstr Inst of Phys
Doklady Sov Phys
Vol IX, No 5

Sci
Jan 65

273,884

Effect of Pressure on the Temperature of the
Antiferromagnetic Transition of Chromium, by
A. S. Litvin, L. G. Pomyatovskiy, 3 pp.

USSR Acad. Sci., Sov. Akad. Sci. Phys. Sect.,
Vol. CIVI, No. 1, May 1964, pp. 69-71.

Sov. Inst. of Phys
Sov. Inst. of Phys
Vol. IX, No. 3

Vol
Jan 65

270, 185

An Electromotive Force Study of the Thermodynamic
Properties of Indium Arsenide, by A. S. Abbasov,
A. V. Nikol'skaya, et al, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Physical
Chemistry, Vol CLVI, No 1, May, Jun 1964,
pp. 118-120

CB

Sci
Jul 65

Luminescent Studies of the Part Played by Impurity
Silver Centers in the Photolysis of Silver Halides-
by V. M. Belous and K. V. Chibisov, 4pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Physical Chemistry,
Vol CLVI, No 1, May, June 1964, pp 121-124

CB

Sci
Jul 65

The Mechanism of Porphyrin Regeneration After a Photo-reduction Reaction by G. P. Gurinovich., A. I. Patsko, et al, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Physical Chemistry
Vol CLVI, No 1, May, June 1964, pp125-127.

CB

Sci
Jul 65

The Choice of an Equation for the Adsorption Isotherm
by B. B. Damaskin
RUSSIAN, per, Dok Ak Nauk SSSR, Physical
Chemistry, Vol CLVI, No 1, May, June 1965 pp 128-130.

CB

Sci
Jul 65

Investigation of the Structure of Compounds with
a Stannoxane Bond by the Methods of Dipole
Moments and Infrared Spectra by N. N. Zemlyanskiyi,
I. P. Gol'dshtenyn, et al, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Physical
Chemistry, Vol CLVI, No 1, May, Jun 1964, pp 131-134

Sci
Jul 65

CB

Magnetic Relaxation of Protons and Deuterons in
Aqueous Solutions of Cr Ions by R.R. Mazitov
3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Physical Chemistry,
Vol CLVI, No 1, May, Jun 1964, pp 135-138.

CB

Sci
Jul 65

Nuclear Quadrupole Resonance In Orpiment
by I. P. Pen'kov and I. A. Safin 3 pp.
RUSSIAN, per, Dok Ak, Nauk SSSR, Physical
Chemistry, Vol CLVI, No 1, May, Jun 1964,
pp 139-141.

CB

Sci
Jul 65

Nuclear Magnetic Resonance Spectra of Protons in
Ferrocene Compounds and the Magnetic Anisotropy
of Ferrocene by Yu. Yu. Samitov and R. M. Aminova,
4 pp.

RUSSIAN, per, Dok Ak Nauk, SSSR, Physical Chemistry
Vol CLVI, No 1, May June 1964, pp 142-144

CB

Sci
Jul 65

A Thermographic Study of the Low Temperature
Crystallization of Natural Rubber By B. Ya.
Teytel'baum and N. P. Anoshina, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Physical
Chemistry, Vol CLVI, No 1, May Jun 1964, pp 145-
148

CB

Sci
Jul 65

The Stimulating Effect of Some Compounds on the
Quenching of Chlorophyll Fluorescence by
Nitrocompounds by I. N. Chernyuk and I. I. Dilung
3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Physical
Chemistry, Vol CLVI, No 1, May Jun 1964, pp 149-
151

CB

Sci
Jul 65

The Detonation Rate of Liquid Hydrazoic Acid by
G. S. Yakovleva, A. Ya. Apin, et al, 2 pp.
RUSSIAN, per Dok Ak Nauk SSSR, Physical
Chemistry, Vol CLVI, No 1, May Jun 1964, pp152-
153.

CB

Sci
Jul 65

The Electrom-Microscope Study of the Fine Structure
of the Fine Structure of Glass by Means of Ultra-
thin Sections, by F. K. Aleinikov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Chemical Technol-
ogy, Vol CLVI, No 1, May-Aug 1964, pp 154-157.

CB

Jul 65

The Synthesis of Mullite-Spinel Ceramic and the
Study of its Properties, by P. P. Budnikov, K. M.
Zlochevskaya, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Chemical Technol-
ogy, Vol CLVI, No 1, May-Aug 1964. pp 158-161.

CB

Jul 65

A New Principle in the Trevention of Corrosion
by Means of Inhibitors, by I. L. Rozenfel'd, V.
P. Persiantseva, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Chemical Tech-
nology, Vol CLVI No 1, May-Aug, 1964, pp 162-
165.

CB

Jul 65

Soil Biochemistry and Biology, Soil De-
hydrogenases, by A. Sh. Galstyan, 2 p.
RUSSIAN, per, Doklady Akademii Nauk SSSR,
Vol CLVI, No 1, 1964, pp 166-167.
Soil Sci Soc Am

Sci-Ear Sci
Mar 66

Characteristics of Cell Complexes of Ascites
Hepatoma 22 of Mice, by Yu. M. Vasil'yev,
I. M. ~~GE~~ Gel'fand, et al, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Biological
Sciences, Vol ~~1964~~, No 1, May, Jun, 1964,
pp 168-170. C201

CB

Sci
Jun 65

Changes in the Nucleic Acid Content of the Regenerating Rat's Testis Brought about by Rabbit Testicular Extract, by R. G. Gachenchiladze, G. C. Tumanishvili, 3 pp.
Russian, per, Dok Ak Nauk SSSR, Biological Sciences, Vol ~~1964~~, No 1, May, Jun, 1964, pp 171-173

CEI

CB

Set

June 65

Intrinsic Ultraviolet Fluorescence of Mitochondria,
by N. A. Chernogryadskaya, E. M. Pil'shchik,
et al, 4pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Biological Sciences,
Vol ~~174~~, No 1, May/June, 1964, pp 174-177
CLVZ

CE

Sci
June 65

Changes in the Inflammatory Reaction during Immun-
ization (Experiments with Candida albicans), by
A. A. Tsinzerling, 2 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Biological Sciences,
Vol ~~100~~, No 1, May, Jun, 1964, pp 177-178

CH 12

- 18

See

June 1964

Some Morphological Hepatic Changes Occurring
after Transplantation of a Brown-Pearse into the
Ventricles, by K. G. Shchitkov, 4 pp.
RUSSIAN, per, Dok. Ak. Nauk SSSR, Biological Sciences,
Vol. ~~187~~, No 1, May, Jun, 1964, pp 179-182

C. 12

6

See

7-1-65

The Influence of Glyceric and Pyruvic Acids on
Fermentation by Lactobacterium delbrueckii, by
V. N. Shaposhnikov, E. M. Krasil'nikova, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Biological Sciences,
Vol ~~1964~~, No 1, May Jun, 1964, pp 183-185
CAVE

Role of Histamine and Serotonin in Radiation-
Induced Changes in the Excitability of the Vagal
Center, by H. H. Gromakovskaya, 4 pp.
USSR, per, Dok Ak Nauk SSSR, Biophysics,
Vol CXXI, No 1, 1964, pp 187-190.

CR

May 65

The Possibility of an Indirect Effect of Ionizing
Radiation in Lipid Solutions. Radiolysis of

-Carotene in Oleic Acid, by Yu. B. Kudryashov,
Z. Balharzovs, et al., 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biophysics,
Vol CLVI, No 1, 1964, pp 191-193.

CB

May 65

Mortality of Rat Fetuses F₁ After Irradiation of
Parental Gametes With Small Doses of X-Rays During
Various Periods of Their Ontogenesis,
by Ye. A. Pozhidayev.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CLVI, No 1,
1964, pp 194-197.
NASA TT F-9036

Sci-Biol & Med

Aug 64

U.S. GOVERNMENT ONLY

265,665

Subunits of Cytoplasmic Membranes of Micrococcus
lysodeikticus, by V. I. Biryuzova, M. A. Lukyanova,
et al, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biochemistry, Vol
CLVI, Jan-Jun, No 1, 1964, pp 198-199.

CB

Sci
Jul 65

Incorporation of C^{14} - β -Mercaptopropylamine into
Proteins of Isolated Microsomes, Nuclei, and
Mitochondria of Mouse Liver, by E. F. Romantsev,
G. V. Kalistratov, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Biochemistry, Vol
CLVI, Jan-Jun, No 1, 1964, pp 200-202.

CB

Sci
Jul 65

An Experimental Investigation of the
Mechanism of Succession of Forest
Biogeocenoses in the Taiga Zone, by
V. G. Karpov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Botanical
Sciences, Vol CLVI, No 1, Jan-Jun 1964,
pp 203-206.

CB

Scib
Aug 65

The Effect of Microelements on Plant
Cytochrome Oxidase Activity, by D. A.
Aliev, 2 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Botanical
Sciences, Vol CLVI, No 1, Jan-Jun, 1964,
pp 207-208.

CB

Sci
Aug 65

The Shift in Carbohydrate Metabolism of
Leaves of Wheat Plants in the light
Stage, by O. A. Korchagina, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Botanical
Sciences, Vol CLVI, No 1, Jan-Jun
1964, pp 208-211.

CB

Sci
Aug 65

The Effect of a Boron Deficiency on
Adenosine Triphosphatase Activity in
Sunflower, by A. N. Maevskaya, Kh. A.
Alekseeva, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Botanical
Sciences, Vol CLVI, No 1, Jan-Jun 1964,
pp 212-213.

CE

Sci
Aug 65

Utilization of Urea by Maize Roots, by
F. N. Pyl'heva, I. V. Mosolov, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Botanical
Sciences, Vol CLVI, No 1, Jan-Jun 1964,
pp 214-~~17~~217.

CB

Sci
Aug 65

Growth and Flowering Characteristics
of Apple Trees Derived From Crown and
Root Tissues, by E. S. Cherenko, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Botanical
Sciences, Vol CLVI, No 1, Jan-Jun 1964,
pp 218-~~2~~ 223.

Cb

Sci
Aug 65

Radiotelemetric Investigation of pH Content in the
Alimentary Canal, by Ye. B. Babakiy, A. M. Sorin,
et al.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CLVI, No 1,
1964, pp 222-224.
NASA TT F-9026

Sci-Chem

Aug 64

U.S. GOVERNMENT ONLY

265,642

The Functional Condition of the Vestibular Apparatus
of White Rats Rotating Under the Daily Influence of
Acceleration, by A. A. Gyurdzhyan, Z. I. Apanasenko.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CLVI, No 1,
1964, pp 225-227. 722 9070
NASA TT F-9025

CB

Sci-Chem

Aug 64

U.S. GOVERNMENT ONLY

265,656

Distribution of Radioactive Chlorine in Rats with
Acute Intestinal Obstruction, by A. S. Synovets,
G. M. Butenko, 2 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Biological Sciences,
Vol. ~~104~~, No 1, May, Jun, 1964, pp 228-229.

0-12

0-12

511

None of

The Influence of Hyperthermia on the Developing
Brain, by P. R. Kucherenko, 4 pp.
RUSSIAN, Paper, Dokl. Ak. Nauk SSSR, Biological
Sciences, Vol ~~125~~, No 1, May, Jun, 1964, pp 230-
233. *CLVI*

On the Mechanism of the Radiation Polymerization
of Ethylene by G. N. Gerasimov, P. M. Khomikovskiy,
4 pp.

RUSSIAN, per, Dok Ak Nauk, SSSR Physical
Chemistry, Vol CLVI, No 1, May Jun 1964,
pp. 1150-1153.

CB

Sci
Jul 65

Singular Elliptic Equations and Systems of
Variable Order, by M. I. Visik, G. I. Eskin,
5 pp.
RUSSIAN, per, Dokl Ak Nauk SSSR, Sov Math,
Vol CLVI, No 2, 1964, pp 243-246.

Amer Math Soc
Sov Math - Doklady
Vol V, No 3

Sci
Oct 64

267,534

Reversibility of Feller Processes,
by G.I. Kalmykov, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math,
Vol CLVI, No 2, 1964, pp 251-254.

Amer Math Soc
Sov Math - Doklady
Vol V, No 3

Sci
Oct 64

Riemann Integration in Constructive Analysis,
by B. A. Kusner, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math,
Vol CLVI, No 2, 1964, pp 255-257.

Amer Math Soc
Sov Math - Doklady
Vol V, No 3

Sci
Oct 64

Convergence of the Projection Method in
Eigenvalue Problems, by V. A. Medvedev, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math,
Vol CLVI, No 2, 1964, pp 258-260.

Amer Math Soc
Sov Math - Doklady
Vol V, No 3

Sci
Oct 64

Relative Stability of Sums of Non-negative
Random Variables Forming a Markov Chain,
by M. Rozenblat-Rot, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math,
Vol CLVI, No 2, 1964, pp 261-263.

Amer Math Soc
Sov Math - Doklady
Vol V, No 3

Sci
Oct 64

General Methods of "Multiplier-enlargement"
and Approximation of Nonbounded Continuous
Functions by Explicit Polynomial Operators,
by L. S. Sjuj, Z. H. Van, 4~~5~~ pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math,
Vol CLVI, No 2, 1964, pp 264-267.

Amer Math Soc
Sov Math - Doklady
Vol V, No 3

Sci
Oct 684

Stable Methods for the Summation of Fourier
Series, by A. N. Tihonov, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math,
Vol CLVI, No 2, 1964, pp 268-271.

Amer Math Soc
Sov Math - Doklady
Vol V, No 3

S. 1
Oct 64

Closure of Classes of Spaces With Respect
to Mappings, by Vera Trnkova, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math,
Vol CLVI, No 2, 1964, pp 272-274.

Amer Math Soc
Sov Math - Doklady
Vol V, No 3

Sci
Oct 64

The Riemann-Hilbert Problem for the Exterior
of Cuts Along a Straight Line or a Circle,
by G. P. Cerepanov, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math,
Vol CLVI, No 2, 1964, pp 275-277.

Amer Math Soc
Sov Math - Doklady
Vol V, No 3

Sci
Oct 64

Solution of Certain Matrix Inequalities
Encountered in Non-linear Control Theory,
by V. A. Yakubovic, 5 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math,
Vol CLVI, No 2, 1964, pp 278-281.

Amer Math Soc
Sov Math - Doklady
Vol V, No 3

Sci
Oct 64