

Interpretation of the Spectral Composition
of Light Scattered by Fluctuations of Anisotropy
in Liquids, by V. S. Starunov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys Section,
Vol CLIII, No 5, 1963, pp 1055-1057.

Amer Inst of Phys
Sov Phys - Doklady
Vol VIII, No 12

Sci
Jul 64

Hypothesis of the Trajectory of a Quantum
Particle, by S. M. Feinberg, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys Section,
Vol CLIII, No 5, 1963, pp 1058-1061.

Amer Inst of Phys
Sov Phys - Doklady
Vol VIII, No 12

Sci
Jul 64

Determination of the Optical Anisotropy of
Macromolecules, by E. V. Frisman, A. K. Dadivanyan,
2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys Section,
Vol CLIII, No 5, 1963, pp 1062-1064.

Amer Inst of Phys
Sov Phys - Doklady
Vol VIII, No 12

Sci
Jul 64

Conditions Under Which Pitting Occurs During
Friction, by B. P. Mitrofanov, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys Section,
Vol CLIII, No 5, 1963, pp 1065-.

Amer Inst of Phys
Sov Phys - Doklady
Vol VIII, No 12

Sci
Jul 64

The Use of Statistical Methods in Studying the Finite-Difference Structure of the Balance Equation, by M. I.

Yudin, I. L. Vulis, 8 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CLIII, No 5, 1963,

pp 1067-1070

ALL 9222.55 1964 (31) on loan

JPRS 23267

Sci-Earth Sci

Feb 64

250,266

N-Vinylthiopyrrolidone, by M. Shostakovskii.
RUSSIAN, per, Akademiya Nauk SSSR. Doklady,
Vol 153, No 5, 1963, pp 1089-1092.
NTC-71-11696-07C

Feb 72

Photosensitized Reduction of Thiazine Dyes on Sols and
in Solutions, by Kh. L. Arvan, A. N. Terenin, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Physical Chemistry
Section, Vol CLIII, No 5, 1963, pp 1093-1096.

& CB

May 65

Adsorption of Ammonia on Methoxylated
Surfaces of Silica Gel, by G. Eliznikov,
R. Polikarova, I. Bakyrizhiev, Sp.
RUSSIAN, per, Akademiya Nauk SSSR.
Doklady, Vol 153, No 5, 1963, pp 1097-1100.
ATB-36880R

336, 170

Sci
Aug 67

Oxygen Quenching of Excited States in Chemiluminescing
Solutions, by B. F. Vasil'yev, I. F. Rusina, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Physical Chemistry
Section, Vol CLIII, No 5, 1963, pp 1101-1104.

CB

May 65

Separation of Hydrogen Isotopes on Type a Synthetic
Zeolites Containing Cobalt Ions, by Z. V. Gryaznova,
G. M. Panchenkov, et al., 2 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Physical Chemistry
Section, Vol CLIII, No 5, 1963, pp 1105-1107.

CB

May 65

Thermal Excitation Rate Constants of Sodium in
Sodium Vapor Mixed with Argon and Nitrogen, by V. N.
Kondrat'yev, 5 pp.
RUSSIAN, per, Dok Ak. Nauk SSSR, Physical Chemistry
Section, Vol CLIII, No 5, 1963, pp 1108-1110.

K CB

May 65

Approximate Calculation of the Smoothing Effect
During Electrochemical Deposition of a Metal, by S. I.
Krichnar, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Physical Chemistry
Section, Vol CLIII, No 5, 1963, pp 1111-1114.

Cb

May 65

Maximum Concentration of Vacancies and the Saturated Vapor Pressure of Simple Substances at the Melting Point, by L. F. Ormont, 4 pp.

Dokl. Akad. Nauk SSSR, Physical Chemistry Section, Vol. CLIII, No. 5, 1963, pp 1115-1118.

CB

May 65

On the Texture of Electrodeposited Zn,
by N. Pangarov, V. Mihailova.
JOURNAL, per, Dok Ak Nauk BSSR, Vol CLIII,
No 5, 1964, pp 1119-1121.
BISI 3006

cb

sci-1/14
Apr 65

270, 115

The Concentration Dependence of the Sedimentation
Constant in "Ideal" Solvents, by I. Ya. Poudubnyy,
V. A. Grechanovskiy, 3 pp.
RUSSIAN, per, dok Ak Nauk SSSR, Physical Chemistry
Section, Vol CLIII, No 5, 1963, pp 1122-1124.

CB

May 68

The Influence of Organic Acids on the Boundary
Friction and Adhesion of Solids in Hydrocarbon
Liquids, by G. I. Fuks, G. S. Gratova, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Physical Chemistry
Section, Vol CLIII, No 5, 1965, pp 1125-1128.

CB

May 65

2-721-711

The Theory of the Passage of Direct Current Through
a Solution of a Binary Electrolyte, by A. A.
Cherenko, 5 pp.
RUSSIAN, per, Dokl. Akad. Nauk SSSR, Physical Chemistry
Section, Vol CLIII, No 5, 1963, pp 1129-1131.

CB

May 65

Temperature Dependence of the Deactivation of the
Metastable State of Chlorophyll, by A. K. Gnibisov,
A. V. Earyakin, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Physical Chemistry
Section, Vol CLIII, No 5, 1963, pp 1132-1135.

CB

May 65

Electron Microscopic and Cytochemical Study of
Golgi Apparatus in Yeast Cells, by V. I.
Biryuzova, T. M. Volkova, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Biology Section,
Vol CLIII, No 5, 1963, pp 1180-1182.

CB

May 65

Study of the Karyotypes of Certain Species of Black
Flies (Family Simuliidae), by L. A. Chubareva,
I. S. Shcherbakov, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Biology Section,
Vol CLIII, No 5, 1963, pp 1183-1185.

CL

May 65

The Neurosecretory Cell System in the Lepidopteran
Brain (Lepidoptera, Insecta), by A. A. Panov, T. V.
Kina, 5 pp.

RUSSIAN, Izv. Akad. Nauk SSSR, Biology Section,
Vol. CCIII, No 5, 1963, pp 1186-1189.

CB

May 65

280,273

Afferent Innervation of the Esophagus of the
Turtle (Testudo horsefieldii), by S. S. Peshetnikov,
3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Biology Section,
Vol CLIII, No 5, 1963, pp 1190-1192.

CB

May 65

S-230/64

The Mutagenic and Antimutagenic Action of
Sodium Gallate, by V. A. Baraboy, G. S. Yukova,
(NY-9093)

RUSSIAN, per, Doklady Akademii Nauk, SSSR,
Vol CLIII, No 5, 1963, pp 1193-1194.

*JPRS

6 1

Sci- Medical
Mar 64

Effect of Cultivation Conditions on the Ratio of
Components of the Antibiotic Elaborated by
Actinomyces violaceus Strain No. 719, by V. N.
Shaposhnikov, N. N. Bekhtereva, et al., 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Biology Section,
Vol CLIII, No 5, 1963, pp 1195-.

CB

May 65

Postradiation Restoration of Yeast Cells Irradiated
Under Aerobic and Anaerobic Conditions, by
V. S. Barsukov, O. V. Malinovskiy, et al, 5 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CLIII, No 5,
1963, pp 1199-1201.
JPRS 23945

CB

Sci - Med
Apr 64

253, 790

Two Fusion Thresholds of Light Stimuli in the Visual
Analyzer of Man, by M. I. Venslauskas, A. M. Gutman,
5 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, No 5, Vol CLIII, No 5,
1963, pp 1202-1203.
JPRS 23946

CB

Sci - Med
Apr 64

253, 789

The Effect of Radiation Inactivation of Nuclei on the
Synthesis of Informational Ribonucleic Acid in
Embryos of Fish *Misgurnus Fossilis*, by N. V. Belitsina,
L. P. Gavrilova, et al, 6 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, No 5, Vol CLIII,
1963, pp 1204-1206.
JPRS 23944

Sci - Med
Apr 64

CB
253, 791

Fructokinase of Fat Tissue of the Ovarian Adnexa of
Fats, by K. G. Cromova, 5 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Biology Section,
Vol CLIII, No 5, 1963, pp 1207-1209.

CB

May 65

The Role of Zinc in Augmenting Heat Tolerance of
Plants, by N. S. Petinov, Yu. G. Molotkovskiy, 5 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Biology Section,
Vol CLIII, No 5, 1963, pp 1210-1212.

CE

May 65

Interaction Mechanisms of Specific and Non-Specific
Brain Structures, by R. A. Durinyan, A. G. Rabin,
5 pp.
RUSSIAN, per. Dok Ak Nauk SSSR, Vol CLIII, No 5,
1963, pp 1213-1215.
JPRS 23947

Sci - Med
Apr 64

CB
253, 786

The Histochemistry of Glycogen in the Brain of
hibernating Animals, by M. E. Shtark, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Biology Section,
Vol CLIII, No 5, 1963, pp 1216-1219.

CB

May 65

Prolonged Changes in Cortical Potential during
Stimulation of the Reticular Formation of the
Mesencephalon, by Zh. P. Shuranova, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Biology Section,
Vol CLIII, No 5, 1965, pp 1220-1222.

CB

May 65

Elucidation of the Developmental Cycle of the
Nematode Stephanofilaria stilesi Chitwood, 1954-
A Skin Parasite of Ruminants, by V. M. Ivasakin,
L. A. Khromova, et al., 2 pp.
Zhurnal, per, Dok Ak Nauk SSSR, Biology Section,
Vol CLIII, No 5, 1963, pp 1223-1224.

Cb

May 65

The Generalized Cauchy Formula for a First-Order
Elliptic System, by M. S. Volosina, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Mathematics Section,
Vol CLIII, No 6, 1963, pp 1231-1233.

Amer Math Soc
Sov Math _ Dok
Vol IV, No 6

Sci
Apr 64

Analytic Solutions for a Class of Operator
Equations, by A. E. Gel'man, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Mathematics Section,
Vol CLIII, No 6, 1963, pp 1234-1237.

Amer Math Soc
Sov Math - Dok
Vol IV, No 6

Sci
Apr 64

The Lattice of Polyverbal Operations, by
O. N. Golovin, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Mathematics Section,
Vol CLIII, No 6, 1963, pp 1238-1241.

Amer Math Soc
Sov Math - Dok
Vol IV, No 6

Sci
Apr 64

Likelihood Ratio for Hypotheses on the Trend of
Certain Gaussian Processes, by Ju. I. Golosov,
A. A. Tempel'man, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Mathematics Section,
Vol CLIII, No 6, 1963, pp 1242-1244.

Amer Math Soc
Sov Math - Dok
Vol IV, No 6

Sci
Apr 64

Conditions for the Uniqueness of a Continuous
Solution of the Problem of the Decay of the
Discontinuity for a Set of Three Equations, by
V. F. Djacenko, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Mathematics Section,
Vol CLIII, No 6, 1963, pp 1245-1248.

Amer Math Soc
Sov Math - Dok
Vol IV, No 6

Sci
Apr 64

A General Boundary Value Problem for Parabolic
Equations on a Plane, by E. K. Isakova, 5 pp.

RUSSIAN, per, Dok Ak Nauk USSR, Mathematics Section,
Vol CLIII, No 6, 1963, pp 1249-1252.

Amer Math Soc
Sov Math - Do
Vol XIV, *No 6

Sci
Apr 64

Representations of the (p,P) Group Over a Field
of Characteristic p , by S. A. Krugljak, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Mathematics
Section, Vol CLIII, No 6, 1963, pp 1253-1256.

Amer Math Soc
Sov Math - Dok
Vol IV, No 6

Sci
Apr 64

Linear Differential Equations of Second Order,
by A. Ju. Levin, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Mathematics
Section, Vol CLIII, No 6, 1963, pp 1257-1260.

Amer Math Soc
Sov Math - Dok
Vol IV, No 6

Sci
Apr 64

On the Foundations of the Ergodic Hypothesis for a
Dynamical System of Statistical Mechanics, by
Ja. G. Sinai, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Mathematics Section,
Vol CLIII, No 6, 1963, pp 1261-1264.

Amer Math Soc
Sov Math - Dok
Vol IV, No 6

Sci
Apr 64

Calculation of the Mathematical Expectation of a
Quasiadditive Path Function on a Graph, by
Ju. I. Smirnov, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Mathematics Section,
Vol CLIII, No 6, 1963, pp 1265-1268.

Amer Math Soc
Sov Math - Dok
Vol IV, No 6

Sci
Apr 64

Uniqueness Classes of the Solution of the Cauchy
Problem for Parabolic Equations, by G. N. Zhimova,
4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Mathematics Section,
Vol CLIII, No 6, 1963, pp 1269-1272.

Amer Math Soc
Sov Math - Dok
Vol IV, No 6

Sci
Apr 64

The Fourier Coefficients of Poincare Series
of Dimension-2, by O. M. Fomenko, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Mathematics Section,
Vol CLIII, No 6, 1963, pp 1273-1275.

Amer Math Soc
Sov Math - D'k
Vol IV, No 6

Sci
Apr 64

On an Integral Representation of a Vector
Holomorphic in a Ball, by V. I. Sevchenko, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Mathematics Section,
Vol CLIII, No 6, 1963, pp 1276-1279.

Amer Math soc
Sov Math - Dok
Vol IV, No 6

Sci
Apr 64

Choice of Synthesis Criteria for Variable-
Structure Combined Servomechanisms, by
B. N. Petrov, S. V. Emel'yanov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys Section,
Vol CLIII, No 3, 1963, pp 1280-1287.

Amer Inst of Phys
Sov Phys - Doklady
Vol VIII, No 12

Sci
Jul 64

Nonlinear Theory of the Generation of Turbulence,
by A. M. Khazen, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys Section,
Vol CLIII, No 6, 1963, pp 1284- .

Amer Inst of Phys
Sov Phys - Doklady
Vol VIII, No 12

FIG-11-13-1971-11-17

Sci
Jul 64

Ship Waves in a Viscous Liquid, by L. V. Cherkosov,
2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys Section,
Vol CLIII, No 6, 1963, pp 1288-1290.

Amer Inst of Phys
Sov Phys - Doklady
Vol VIII, No 12

Sci
Jul 64

Transferability of the Potential-Energy
Coefficients for Polyatomic Molecules, by
D. S. Bystrov, 3 pp.

RUSSIAN, per, Dok Ak nauk SSSR, Phys Section,
Vol CLIII, No 6, 1963, pp 1291-1294.

Amer Inst of Phys
Sov Phys - Doklady
Vol VIII, No 12

Sci
Jul 64

Acoustic Ion Oscillations Excited by an
Electron Current, by V. I. Petviashvili, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys Section,
Vol CLIII, No 6, 1963, pp 1295-1298.

Amer Inst of Phys
Sov Phys - Doklady
Vol VIII, No 12

Sci
Aug 64

Second Series of Ground Tests With Weightless Liquids,
by V. V. Shuleykin, 7 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CLIII, No 6, 1963,
pp 1299-1302.

JPRS 23259

FTD-TT-64-613(9695893)

Sci-M/M
Feb 64

250,440

D-111774

Hydrodynamic Forecasting of Pressure Fields in the
Mid-level of the Atmosphere for the Eastern Part of
the Earth Taking Geography Into Consideration, by
A. B. Rogin. (NY-7080)

SISSA, Ser. Doc. di Publ. 1968, Vol. CLIII, No. 1,
1968, p. 1303-1304.

JPE

Sci. - Earth Sci. & Atmos.
Jan 69

Dynamic Characteristics of a Sub-Polar Front in the North
Atlantic, by V. M. Gruzinov, K. A. Chekotillo, 5 pp .
RUSSIAN, per, Dok Ak Nauk SSSR, No 6, Vol XLIII, 21 Dec 1963,
pp 1307-1309. *CLIII*

JPRS 23109

Sci-Ear Dci
Feb 64

248, 162

Phase-Transitions in Zinc and Manganese
Fluorides at High Pressures and Temperatures,
by S. S. Kabalkina, S. V. Popova, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys Section,
Vol CLIII, No 6, 1963, pp 1310-1312.

Amer Inst of Phys
Sov Phys - Doklady
Vol VIII, No 12

Sci
Jul 64

Structure of Blood Group Substances Hydroxylamin-
olysis of Blood Group Substance a Aand General
Structure of the Biopolymer, by N. K. Kochetkov,
S. G. Kara-Murza, et al, 7 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CLIII,
No 6, 1963, pp 1338-1341.
JPRS 24141

Sci - Med
Apr 64

254, 375

Molecular Product Yields From the Radiolysis of
Water as a Function of Radical Scavenger Con-
centration, by V. N. Byakov, 6 pp.
RUSSIAN, per, dok Ak Nauk SSSR, Physical Chemistry
Section, Vol CLIII, No 6, 1965, pp 1586-1589.

CB

May 65

260,272

The Behavior of Zeolite water and the Symmetry of
Barnotome, by S. F. Gabuda, G. M. Mikhaylova, et al.,
5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Physical Chemistry
Section, Vol CLIII, No 6, 1965, pp 1360-1362.

CB

May 65

Spectra of Electron-Donor-Acceptor Complexes of
4-Nitrodiphenylalkanes Containing a Donor Group
in the Other Nucleus. EPR Effect, by V. A.
Glushenkov, V. A. Izmail'skiy, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Physical Chemistry
Section, Vol CLIII, No 6, 1963, pp 1365-1366.

CB

May 65

The Conjugation Effect in the Infrared Spectra of
Nitro Compounds, by A. V. Iogansen, G. D.
Litevchenko, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Physical Chemistry
Section, Vol CLIII, No 6, 1963, pp 1367-1369.

CP

May 65

Role of TiO_2 in the Formation of the Crystal
Structure of Glass, by Yu. N. Kondrat'yev, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Physical Chemistry
Section, Vol CLIII, No 6, 1963, pp 1370-1375.

CR

May 65

Faraday Heterodyning, by V. G. Levich, B. I.
Knaykin, et al., 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Physical Chemistry
Section, Vol CLIII, No 6, 1965, pp 1574-1577.

CB

May 65

Influence of Semiconductor Additives on the
Radiation Polymerization of Acrylonitrile and
Methylmethacrylate, by L. P. Mezhirova, A. P.
Sneyker, et al., 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Physical Chemistry
Section, Vol CLIII, No 6, 1963, pp 1378-1380.

CB

May 65

Photoconductor Properties of Metal Acetylides,
by V. S. Lyul'nikov, A. N. Terenin, 5 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Physical Chemistry
Section, Vol CLIII, No 6, 1963, pp 1581-1584.

CB

May 65

The Kinetics of the Processes of Coagulation
Structure-Formation in Aqueous Clay Dispersions, by
F. D. Ovcharenko, V. Yu. Tretinnik, et al., 2 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Physical Chemistry
Section, Vol CLIII, No 6, 1963, pp 1385-1386.

CB

May 65

The Reaction of Tributyl Phosphate (TBP) and TBP-Solvate with Diluents, by A. M. Rozen, L. P. Khorkhorina, et al., 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Physical Chemistry Section, Vol CLIII, No 6, 1965, pp 1387-1390.

CB

May 65

Electronic Vibrational Quasiline Spectra of Porphin
and Dihydroporphin, by A. K. Sevchenko, K. A.
Solov'yev, et al., 5 pp.
USSR, per, dok Ak Nauk SSSR, Physical Chemistry
Section, Vol CLIII, No 6, 1965, pp 1591-1594.

CF

May 65

260,273

Catalytic Activity of Zeolites NaX, CaA and BX in
Cracking and Dehydration Reactions, by G. V.
Tsitsishvili, Sh. I. Sidamonidze, et al., 2 pp.
RUSSIAN, per, Dok. Ak. Nauk SSSR, Physical Chemistry
Section, Vol. CLIII, No. 6, 1963, pp. 1395-1397.

00

May 65

9-111, 114

Some Results of Geophysical Studies of the Earth's
Crustal Structure in the Antarctic North of Station
Novolazarevskaya, by V. A. Gladun. (NY-4100)

RUSSIAN, per, Dokl. Akad. Nauk SSSR, Vol. CLIII, No. 5, p. 5,
1961, 1962.

JPN

Call number of original
Jan 19

Cytophotometric Determination of DNA Content in
Nuclei of Trophoblast Giant Cells, by E. V. Zybina,
4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Biology Section,
Vol CLIII, No 6, 1965, pp 1423-1431.

CB

May 65

Formation of Isocloortetracycline and Isotetracycline in the Biosynthetic Process, by T. N. Laznikova, V. G. Makarevich, 5 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Biology Section,
Vol CLIII, No 6, 1963, pp 1432-1434.

CE

May 65

Brain Acetylcholinesterase in Vertebrate Phylogenesis,
by N. I. Leibson, 4 pp
RUSSIAN, per, Dok Ak Nauk SSSR, Biology Section,
Vol CLIII, No 6, 1963, pp 1435-1438.

CB

May 65

Effect of Products of Oxidation of Phloroglucinol
on Dehydrogenases of Botrytis cinerea, by E. A.
Rubin, T. M. Ivanova, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Biology Section,
Vol CLIII, No 6, 1963, pp 1439-1442.

CB

May 65

Heterogeneity of the Ribosome Fraction of
Chloroplasts, by I. I. Filippovich, F. N.
Svetaylo, et al., 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Biology Section,
Vol CLIII, No 6, 1963, pp 1443-1446.

CB

May 65

Effect of Trace Elements on the Content of ATP in
Plants Exposed to a Water Shortage and High
Temperatures, by V. P. Bozhenko¹, M. Ya. Shkol'nik,
et al., 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Biology Section,
Vol CLIII, No 6, 1965, pp 1447-1449.

CB

May 65

S-260/64

Stimulation of Regeneration of Heart Muscles of
Rabbits and Dogs, by L. V. Polezhayev,
L. V. Akhbadze. (SF-3075)

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CLIII, No 6,
1963, pp 1450-1453.

*JPRS

06

Sci - Biol & Med Sci
Mar 64

Investigation of the Neuronal Activity of the
Hypothalamic Food Center upon Stimulation of the
Gastric Mechanoreceptors and Intravenous Injection
of Insulin or Glucose, by V. A. Zabolotnykh, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Biology Section,
Vol CLIII, No 6, 1963, pp 1454-1457.

CE

May 65

Ascorbic Acid and Catecholamines in Experimental
Deep Hypothermia, by E. P. Stepanyan, M. A.
Chernyavskaya, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Biology Section,
Vol CLIII, No 6, 1963, pp 1458-1460.

CB

May 65

Acrosome Reaction in Sturgeons and the Role of Calcium Ions in the Union of Gametes, by T. A. Petlaf, A. S. Ginzburg, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Biology Section, Vol CLIII, No 6, 1965, pp 1461-1464.

CB

May 65

DOKLADY AN SSSR, BIOLOGIYA
(Doklady Biological Sciences -bimonthly)
Proceedings of the Academy of Sciences of
the USSR, all Biological Sciences Sections,
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No 1, 1964, pp 13-15.

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Sov Math - Doklady
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Sci

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Sov Math - Dok
Vol V, No 1

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No 1, 1964, pp 20-22.

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Vol V, No 1

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No 1, 1964, pp 23-25.

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Sov Math - Dok
Vol V, No 1

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No 1, 1964, pp 26-29.

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Sov Math - Dok
Vol V, No 1

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Periodic Function with bounded Derivative, by
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Vol CLIV, No 1, 1964, pp 45-47.

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Sov Math - Dok
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Sci
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No 1, 1964, pp 55-56.

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Vol V, No 1

Sci
Jun 64

The Homotopic Topology of Banach Spaces,
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Vol CLIV, No 1, 1964, pp 61-63.

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Vol V, No 1

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Vol CLIV, No 1, 1964, pp 64-67.

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Vol CLIV, No 1, 1964, pp 68-71.

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Vol CLIV, No 1, 1964, pp 72-75.

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Vol CLIV, No 1, 1964, pp 76-79.

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Vol CLIV, No 1, 1964, pp 80-84.

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