

On the Question of Axo-Dendritic Connections in the
Cerebral Cortex. An Electronmicroscopical Investigation
by T.V. Davydova, L. N. Dyachkova, 3 pp

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLVII, No 5, 1963
pp 1191-1192.

CB

Sci
Nov 63

Amino Acid Precursors as Mutagens, By I. A. Rapoport,
3 pp

RUSSIAN, Per, Dok Ak Nauk SSSR, Vol CXLVII, No 5, 1962
pp 1193-1195

CB

Sci
Nov 63

Summer Sleep of th e Colorado Beetle (Leptinotarsa
Decemlineata Say) in the Transcaucasian Region of
Ukraine SSR., by D. V. Petrova, 3 PP

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLVII, No 5, 1962
pp 1196-1199

CB

Sci
Nov 63

Some Unknown Organic Substances in Sea Water, by K.M.
Khailov 3 pp

RUSSIAN, Per, Dok Ak Nauk SSSR, Vol CXLVII, No 5, 1962
pp 1200-1203

CB

Naval/NAL TR 931

Sci
Nov 63

A Hypothesis on the Physical Nature of the Forces
of Muscular Contraction, by L. Kh. Yedius,

RUSSIAN, per, Dok Ak Nauk SSSR, (Physics Section),
Vol CXLVII, No 5, 1962, pp 1204-1207.

Amer Inst of Phys
Sov Phys - Dok
Vol VII, No 12

Sci

CB

Aug 63

The Participation by Desoxyribonucleic Acid in the
Synthesis of the Polyribonucleotides by an Enzyme
System from Animal Tissues, by N. V. Bogoyavlenskaya,
M. A. Guberniev, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLVII, No 5, 1962
pp 1208-1210.

CB

Sci
Nov 63

A Comparative Study of the Nucleotide Composition of Soluble Ribonucleic Acids From Some Species of Bacteria and Animals, by G. N. Zaitseva, T. M. Dmitrieva, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLVII, No 5, 1962
pp1211-1214.

CB

Sci
Nov 63

Concentration of Trace Elements in the Organism and L
Blood Cells of Ascidia, by V. V. Koval'skii, L. T.
Remeva, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLVII, No 5, 1962
pp 1215-1217.

CB

Sci
Nov 63

Differences in the Character of Depression of Protein
Synthesis in Cancer Cells by Oxyaromatic Compounds and
Alkylating Agents, by G. V. Kukushkina, L.B. Gorbacheva,
2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLVII, No 5, 1962
pp 1213-1219

CB

Sci
Nov 63

Chemical Transformations of Di- and Tripeptides Subjected
to the Action of Ultrasonic Waves in the Presence of
Active and Inert Gases, by I. E. El'piner, A.V.
Sokol'skaya, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLVII, No 5, 1962
pp 1220-1222.

CB

Sci
Nov 63

The Development of Maize Plants at Different pH Values
of the Nutritive Medium, by S. S. Andreenko, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLVII, No 5, 1962
pp 1223-1225.

CB

Sci
Nov 63

Fixation of CO₂ by Potato Leaves in the Dark, by
A. T. Mokronosov and T.L. Mikhailova, 2pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLVII, No 5, 1962
pp 1226-1229.

CB

Sci
Nov 63

Resting Period of the Apple Root System, By Ya. S.
Nesterov, 4pp,

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLVII, No 5, 1962
pp 1230-1233.

CB

Sci
Nov 63

Effect of *Pontania Proxima* Lep. (Tenthredinidae) on
Growth, Photosynthesis, and Chlorophyll and Carotenoid
Content of Leaf Laminae in *Salix Fragilis* L. Pathogeni-
city of Gall-Formers, by E.I. Slepyan, 3 pp.

RUSSIAN, Per, Dok Ak Nauk SSSR, Vol CXLVII, No 5, 1962
pp 1234-1237.

CB

Sci
Nov 63

Heterochronic Development of Functionally Different
Striped Muscles in Human Embryogenesis, by A. A. Klishov
4 pp

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLVII, No 5, 1962,
pp 1238-1241

CB

Sci
Nov 63

The Effect of γ -Aminobutyric Acid on the Strychnine
Potentail of the Cerebral Cortex, A.S. Batuev, I.A.
Sytinskii, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLVII, No 5, 1962,
pp 1242-1243.

CB

Sci
Nov 63

-----Spread of Excitation in the Motor Zones of the Cerebral
Cortex and Brain Stem Structures in a State of Adaptation
of Convulsants, by S.A. Dolina, 3pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLVII, No 5, 1962
pp 1244-1246.

CB

Sci
Nov 63

The Resistance of Insects to Ultra-Low Temperatures,
by L.K. Lozina-Lozinskii, 3pp.

RUSSIAN, per. Dok Ak Nauk SSSR, Vol CXLVII, No 5, 1962
pp 1247-1249.

CB

JPRS 18218

Sci
Nov 63

An Experimental Study of Metabolic Acidosis Under
Conditions of Profound Hypothermia, by E.P. Stepanyan
R.V. Merkur'eva, 3pp

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLVII, No5, 1962,
pp 1250-1252.

CB

Sci

Nov 63

A new Species of Monogenetic Trematode, Acolpenteron
Petruschewskyi, Adapted to the Excretory System of the
Bitterling, by Yu. A. Strelkov, 3 pp

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLVII, No 5, 1962
pp 1253-1255

CB

Sci
Nov 63

Numerical Solution of the Dirichlet Problem for
Poisson Equations, by M. Aleksidze, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, (Mathematics
Section), Vol CXLVII, No 6, 1962, pp 1271-2173.

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

Sci

Aug 63

Special Modules and Special Radicals, by V. A.
Andrunakievic, Ju. M. Rjabuhin, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, (Mathematics
Section), Vol CXLVII, No 6, 1962, pp 1274-1277.

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

Sci

Aug 63

Orthogonal Systems of Rational Functions on a
Circle With a Given Set of Poles, by M. M.
Dzrbasjan, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, (Mathematics Section),
Vol CXLVII, No 6, 1962, pp 1278-1281.

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

Sci

Aug 63

Stationary Gaussian Sequences That Satisfy the
Strong Mixing Condition, by I. A. Ibragimov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, (Mathematics
Section), Vol CXLVII, No 6, 1962, pp 1282-1284.

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

Sci

Aug 63

The Use of Ljapunov Functions for Investigating the Behavior of Trajectories of Systems of Differential Equations, by M. B. Kudayev, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, (Mathematics Section), Vol CXLVII, No 6, 1962, pp 1285-1287.

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

Sci

Aug 63

Solution of a Fundamental Boundary Value Problem
for Certain Linear Partial Differential Equations
of Even Order, by A. E. Martynjuk, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, (Mathematics
Section), Vol CXLVII, No 6, 1962, pp 1288-1291.

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

Sci

Aug 63

Conditional Stability in Critical Cases, by V. A.
Pliss, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, (Mathematics
Section), Vol CXLVII, No 6, 1962, pp 1292-1293.

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

Sci

Aug 63

The Law of Large Numbers and the Strong Law of
Large Numbers for Inhomogeneous Markov Chains,
by M. Rozenblat-Rot, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, (Mathematics
Section), Vol CXLVII, No 6, 1962, pp 1294-1295.

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

Sci

Aug 63

The Operator of Analytic Prolongation of Generalized
Functions, by L. S. Hodzayev, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, (Mathematics
Section), Vol CXLVII, No 6, 1962, pp 1296-1299.

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

Sci

Aug 63

ON THE INVERSION OF FINITE AUTOMATA, BY
V. I. LEVENSHTEYN, 7 PP.

RUSSIAN, PER, DOK AK NAUK SSSR, VOL CXLVII,
NO 6, 1962, PP 1300-1303.

JPRS 18127

SCI - MATH - DATA PRO

MAR 63

225,134

S-149/63

"Synthesis of a Class of Calculating Machines;" by
M. V. Rybashov, *3 pp* (SF-2505)

RUSSIAN, per, Doklady Akademii Nauk SSSR, VOL CXLVII,
No 6, 1962; pp 1304-1305.

[Signature]
*JPRS

18127

Sci - ~~Eng~~ MISC

Feb 63

The Asymptotic Behavior of Waves Generated in a
Liquid of Finite Depth by Arbitrary Initial
Disturbances of the Free Surface, by R. M. Garipov,
3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, (Physics Section),
Vol CXLVII, No 6, 1962, pp 1306-1309.

Amer Inst of Phys
Sov Phys - Dok
Vol VII, No 12

Sci

Aug 63

A Mathematical Model of Separated Flows in an
Incompressible Liquid, by M. A. Gol'dshtik, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, (Physics Section),
Vol CXLVII, No 6, 1962, pp 1310-1313.

Amer Inst of Phys
Sov Phys - Dok
Vol VII, No 12

Sci

Aug 63

The Stability of a Thick Plastically Deformed Plate,
by I. D. Legenya, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, (Physics Section),
Vol CXLVII, No 6, 1962, pp 1314-1317.

Amer Inst of Phys
Sov Phys - Dok
Vol VII, No 12

Sci

Aug 63

A Qualitative Investigation of a Circular, Symmetrically
Compressed Plate Under a Large Edge Load (Proof of
the Appearance of Crimping), by N. F. Morozov,
4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, (Physics Section)
Vol CXLVII, No 6, 1962, pp 1318-1319.

Amer Inst of Phys
Sov Phys - Dok
Vol VII, No 12

Sci

Aug 63

Elastic Scattering of 6.9-MeV Protons by Isotopes
of Chromium and Zinc, by A. K. Val'ter, A. P.
Klyucharev, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, (Physics Section),
Vol CXLVII, No 6, 1962, pp 1325-1327.

Amer Inst of Phys
Sov Phys - Dok
Vol VII, No 12

Sci

Aug 63

Acceleration of Burning Velocity Through
Introduction of Inert Admixtures, by
V. N. Kondram'yevym.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLV,
No 6, 1962, pp 1328-1330.

*FTD-TT-63-460

Sci - Phys
May 63

AIP
Sov Phys - Dok
Vol VII, No 12

Electron-Positron Annihilation During Ordering
of Alloys, by I. Ya. Dekhtyar, S. G. Litovchenko,
3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, (Physics Section),
Vol CXLVII, No 6, 1962, pp 1332-1335.

Amer Inst of Phys
Sov Phys - Dok
Vol VII, No 12

Sci

Aug 63

A Model of Scalar Field Theory in Quantum
Space-Time, by V. G. Kadyshevskiy, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, (Physics Sectio),
Vol CXLVII, No 6, 1962, pp 1336-1339.

Amer Inst of Phys
Sov Phys - Dok
Vol VII, No 12

Sci

Aug 63

Criterion of Superconductivity, by V. A. Moskalenko,
4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, (Physics Section),
Vol CXLVII, No 6, 1962, pp 1340-1343.

Amer Inst of Phys
Sov Phys - Dok
Vol VII, No 12

Sci

Aug 63

Electron Density Distribution and Diamagnetic
Susceptibility of Grey Tin, by N. N. Sirota,
A. U. Sheleg, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, (Physics Section),
Vol CXLVII, No 6, 1962, pp 1344-1347.

Amer Inst of Phys
Sov Phys - Dok
Vol VII, No 12

Sci
Aug 63

Possible Changes in the Gravitational Constant,
by K. P. Stanyukovich, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, (Physics Section),
Vol CXLVII, No 6, 1962, pp 1348-1351.

Amer Inst of Phys
Sov Phys - Dok
Vol VII, No 12

Sci

Aug 63

Mechanism of Plastic Deformation of Alloys in the
Range of Melting Temperatures, by I. I. Novikov,
F. S. Novik, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, (Physics Section),
Vol CXLVII, No 6, 1962, pp 1352-1354.

Amer Inst of Phys
Sov Phys - Dok
Vol VII, No 12

Sci

Aug 63

Interaction of Polyester and Polyamide in the ...
V. V. Korshak, S. V. Vinogradova, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLVII, No 6,
1962, pp 1365-1368.

CB

Sci -
Oct 63

Investigation of Carbohydrates by Mass Spectrometry.
Methyl Ethers of Monosaccharides, by N. K. Kochetkov,
N. S. Vulf'son, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLVII, No 6,
1962, pp 1369-1372.

CB

Sci -
Oct 63

Complex Compounds of Indium in Its Lowest Valence State.
The Synthesis and a Study of the Properties of Amines
of Indium Dihalides, by A. P. Kochetkova, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, X Chemistry Section,
Vol CXLVII, No 6, 1962, pp 1373-1375.

CB

Sci -
Oct 63

Organometallic Synthesis of Organic Germanium Compounds
From Dimethyldichlorogermane. Some Reactions With
the Possible Intermediate Formation of $(\text{CH}_3)_2\text{Ge}^+$,
by O. M. Iefedov, M. N. Manakov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Chemistry Section,
Vol CXLVII, No 6, 1962, pp 1376-1379.

CB

Sci -
Oct 63

Reciprocal Effects of Thorium and Cerium (IV) Nitrates
During Coextraction With Tributyl Phosphate, by
A. V. Nikolaev, Yu. A. Afanas'yev, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Chemistry Section,
Vol CXLVII, No 6, 1962, pp 1380-1381.

CB

Sci -
Oct 63

Investigation of the Mechanism of Propylene Oxidation
Over Copper Catalysts by the Method of Differential
Calorimetry, by N. I. Popova, V. P. Latyyshev, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Chemistry Section,
Vol CXLVII, No 6, 1962, pp 1382-1385.

.CB

Sci -
Oct 63

Polymerization of Trichloroacetaldehyde With an
Organometal Catalyst, by G. E. Semenido, D. E. Il'ina,
3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Chemistry Section,
Vol CXLVII, No 6, 1962, pp 1386-1388.

CB
075 63-16975

Sci -
Oct 63

Fractionation of Copolymers. The Effect of Composition
on the Ratio of the Phases, by A. V. Topchiev,
A. D. Litmanovich, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Chemistry Section,
Vol CXLVII, No 6, 1962, pp 1389-.

CB

Sci -
Oct 63

Study of the Properties of a Polymer-Semiconductor
Interface, by G. A. Sokolina, N. A. Krotova, 8 pp.
RUSSIAN, per, Dok Akk Nauk SSSR, Vol CXLVII, No 6,
1962, pp 1409-1412. 9694931
FTD-TT-64-467

Sci - Elec
Oct 64

268,332

High-Active Iron-Aluminsilicate Contact for Thermal
Desulfurization of Petroleum Products, by
V. S. Komarov, N. F. Ermolenko, et al, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLVII, No 6,
1962, pp 1413-1416.

CB

Sci

Oct 63

Mechanism of Pitting Corrosion of Stainless Steels,
by I. L. Rozenfel'd, I. S. Danilov, 6 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLVII, No 6,
1962, pp 1417-1419.

CB

Sci

Oct 63

Author Index and Table of Contents, Vols 142-147.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLVII, No 6, 1962,

CB

Sci

Oct 63

New Data on Mineral And Chemical Composition of
Pumice on Iturup and Kunashir Islands in the Kurils, by O. & I. Bent, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Earth Science
Section, Vol CXLVII, No 6, Nov, Dec 1962, pp
1441-1443.

Amer Geol Inst

Sci
Aug 65

Weathered Crust on Ultrabasic Rocks Along the
Middle Dnieper, by A. U. Litvinenko, A. D. Dod-
atko, et al, 3 pp.
RUSSIAN, PER, Dok Ak Nauk SSSR, Earth Science
Section, Vol CXLVII, No 6, Nov, Dec 1962,
pp 1444-1447.

Amer Geol Inst

Sci
Aug 65

Petrology of the Hercynian Granitoids in Central
Kazakhstan, by T. V. Perekalina, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Earth Sciences
Section, Vol CXLVII, No 6, Nov, Dec 1962,
pp 1448-1451.

Amer Geol Inst

Sci
Aug 65

Composition of Titanomagnetites of the Urals, by
D. S. Shteynberg, V. G. Fominykh, 2 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Earth Science
Section, Vol CXLVII, No 6, Nov, Dec 1962,
pp 1452-1454.

Amer Geol Inst

Sci
Aug 65

Two Stages of Sericitization in the Zyuzel'skiy
Pyrite Deposit, by P. Ya. Yarosh, 2 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Earth Science
Section, Vol CXLVII, No 6, Nov, Dec 1962, pp
1456-1457.

Amer Geol Inst

Sci
Aug 65

Elemental Composition of the Black Sea
Plankton, by Z. A. Viongradova, V. V.
Koval'skiy, 2 pp.
RUSSIAN, per, Dok Ak nauk SSSR, Earth
Science Section, Vol CXLVII, No 6, Nov,
Dec 1962, pp 1458-1460.

Amer Geol Inst

Sci
Aug 65

Effect of the Acid-Base Interaction of the
Components in the System Aegirite-Heden-
bergite-Dioopside, by L. L. Perchuk, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Earth
Sciences Section, Vol XXXCLVII, No 6,
Nov, Dec 1962, pp 1461-1464.

Amer Geol Inst

Sci
Aug 65

Organic Acids in Ancient Deposits, by
N. T. Shabarova, 2 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Earth
Science Section, Vol CXLVII, No 6, Nov,
Dec 1962, pp 1465-1466.

Amer Geol Inst

Sci
Aug 65

The Part Played by Mitochondria in the Formation of
Synaptic Vesicles, L. N. D'Yachkova , T. V. Davydova,
3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLVII, No6, 1962
pp 1467-1469

CB

661
Nov 63

Experimental Androgenesis in the Maise, by D.F. Petrov,
N.B. Zhelezhova, 2 pp

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLVII, No 6, 1962
pp 1470-1472

CB

Sci
Nov 63

The Inheritance of Experimentally Induced Functional
Changes in the Giant Chromosomes, by N.B. Khristolyubova,
N.Z. Zagorskaya 2 pp

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLVII, No 6, 1962
pp 1473-1475

CB

Sci
Nov 63

Formation of New Aurantin Fractions and an Investigation
of Their Chemical and Biological Properties, by V. N.
Shaposhnikov, M. V. Nefelova, 4pp

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLVII, No 6, 1962
pp 1476-1479

CB

JPRS 18493

Sci
Nov 63

The Nucleotide Composition of the Desoxyribonucleic Acid
of Animals and Higher Plants, By A.S. Antonov,
C.O. Favorova, 4 pp.

RUSSIAN, per Dok Ak Nauk SSSR, Vol CXLVII, No 6, 1962
pp 1480-1483.

CB

Sci
Nov 63

The Formation of A Peroxide and Phosphatidylethanolamine
in the Enzymic Reduction of Carbonic Acid, by E.A.
Boichenko, T.M. Udel'nova, 3pp

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLVII, No 6, 1962
pp 1484-1486.

CB

AEC/UCRLT-943

Sci
Nov63

Application of Violaxanthin-C¹⁴ in a Study of the Photo
Transformation of the Xanthophylls, D.I. Sapozhnikov,
2 pp

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLVII, No 6, 1962
pp 1487-1488.

CB

Sci
Nov 63

Uncoupling of Oxidation and Phosphorylation During
Recovery from Hypothermia, by S. E. Severin, V. P.
Skulachev, 4 pp

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLVII, No 6, 1962,
pp 1489-1492

CB

Sci
Nov 63

The Role of the Lipoprotein of Chloroplasts in Protein
Synthesis, by N.M. Sisakyan, E. N. Bezinger, 2 pp

RUSSIAN, PER, Dok Ak Nauk SSSR, Vol CXLVII, No 6, 1962,
pp1493-1494

CB

Sci
Nov 63

Formation of Sterile Pollen in Tomatoes, by L.I. Orel,
3 pp

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLVII, No 6, 1962
pp 1495-1498.

CB

Sci
Nov 63

First Discovery of A Troglobiontic Calanoid
(Crustacea, Copepoda) in Underground Waters, by
E. V. Borutskii, 6pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLVII, No 6,
1962. pp 1499-1502.

CB

Sci
Nov 63

Experimental Injury to the Crystalline Lens after Division
of the Optic Nerve in Adult Frogs, by V.V. Popov,
E.B. Vsevolodov, 4pp

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLVII, No 6, 1962
pp1503-1506

CB

Sci
Nov 63

Catechol Amines of the Heart of Birds During Ontogenesis,
by V.A. Govyrin, G.R. Leont'eva, 3 pp

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLVII, No 6, 1962
pp 1507-1509.

CB

Sci
Nov 63

The Importance of the Individual Groupings on the N-Dichloroacetyl-D,L-Serine Molecule to Its Biological Activity, by G.L. Zhdanov, I.B. Sorokina, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLVII, No 6, 1962 pp 1510-1511.

CB

Sci
Nov 63

Correlation between Anlagen of the Proboscis and Pharynx
in the Nemertines *Lineus Desori* (Mihi, Species Nova)
and *Lineus Ruber* (O.F. Mulleri, 1774, G. A. Schmidt,
1945), By G. A. Schmidt, 4 pp

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLVII, No 6, 1962
pp 1512-1515

CB

Sci
Nov 63

The Effect of Extracts of the Hypothalamus and Posterior
Lobe of the Hypophysis on Secretion of the Luteinizing
Hormone, by Ya M. Kabak, E. V. Sokolova 3 pp

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLVII, No 6, 1962
pp 1516-1519

CB

Sci
Nov 63

ONE CLASS OF TURING MACHINES, BY N. V. BELYAKIN,
7 PP.

RUSSIAN, PER, DOKLADY AK NAUK SSSR, VOL CXLVIII,
NO 1, 1963, PP 47-49.

JPRS 18244

SCI - MATH-DATA PRO

MAR 63

AIP
Sov Phys. Dok
Vol VIII, No 1

225,476

CONCERNING GATES, BY E. I. NECHIPORUK, 9 PP.

RUSSIAN, PER, DOK AK NAUK SSSR, VOL CXLVIII,
NO 1, 1963, PP 50-53.

JPRS 18244

SCI - MATH - DATA PRO

MAR 63

225,477

Mangeron, D. and Croitoru, E.
ON THE GENERAL THEORY OF REDUCED AC-
CELERATIONS IN TANGENTIAL COORDINATES.
[1963] [6]p. 12 refs.

Order from OTS or SLA \$1.10

63-14415

Trans. of Akademiya Nauk SSSR. Doklady, 1963,
v. 148, no. 1, p. 54-56.

DESCRIPTORS: *Acceleration, Theory, Equations of
motion, Analytic geometry.

A treatment of the systematic use of the methods for
tangential geometry in investigations, concerning: en-
velopes of certain straight lines, connected with units
of mechanisms in the plane-parallel motion; envelopes
of certain planes, connected with units of mechanisms
in a complicated spatial motion; and, dual problems,
i.e. ruled surfaces, formed by certain straight lines,
connected with units of mechanisms in a complicated
spatial motion.

63-14415

I. Mangeron, D.
II. Croitoru, E.

(Mechanics, TT, v. 10, no. 8)
Office of Technical Services

Dynamic Equilibrium Explosions in Perfect Media
With Zero Temperature Gradient, by N. N. Kochina,
3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR (Physics Section),
Vol CXLVIII, No 1, 1963, pp 57-60.

AIP
Sov Phys - Dok
Vol VIII, No 1

Sci
Aug 63

The Motion of Gas Behind an Unsymmetric Piston, by
M. P. Mikhailova, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR (Physics Section),
Vol CXLVIII, No 1, 1963, pp 61-63.

AIP
Sov Phys - ~~NS~~ Dok
Vol VIII, No XI

Sci
Aug 63

The Theory of Complex Media, by D. D. Ivlev, 3 pp.

RUSSIAN, p~~x~~er, Dok Ak Nauk SSSR (Physics Section),
Vol CXLVIII, No 1, 1963, pp 64-67.

AIP
Sov Phys - Dok
Vol VIII, No 1

Sci
Aug 63

Radiative Production of Electron-Positron Pairs
on Nuclei, by N. F. Nelipa, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR (Physics Section),
Vol CXLVIII, No 1, 1963, pp ~~71-73~~ 68-70.

AIP
Sov Phys - Dok
Vol VIII, No 1

Sci -
Aug 63

Use of X-Rays to Determine the Diamagnetic Susceptibility of Some Ionic and Semiconductor Compounds,
by N. N. Sirota, N. M. Olekhovich, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR (Physics Section),
Vol CXLVIII, No 1, 1963, pp 71-73.

AIP
Sov Phys - Dok
Vol VIII, No 1

Sci
Aug 63

Stability of Stationary States of Quantum Generators,
by B. I. Stepanov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR (Physics Section),
Vol CXLVIII, No 1, 1963, pp 74-77.

AIP
Sov Phys - Dok
Vol VIII, No 1

Sci
Aug 63

X-Ray Spectral Investigation of Metals of the Iron
Transition Group, by V. V. Nemoshkalenko, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, (Physics Section),
Vol CXLVIII, No 1, 1963, pp 78-81.

AIP
Sov Phys - Dok
Vol VIII, No 1

Sci
Aug 63

The Effect of Substructure on the Creep of Iron
Silicide Single Crystals, by V. M. Rozenberg,
A. V. Shalimova, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, (Physics Section,)
Vol CXLVIII, No 1, 1963, pp 82-.

AIP
Sov Phys - Dok
Vol VIII, No 1

Sci
Aug 63

A Study of the Combined Action of Radiation
and Oxide Catalysts in the Dehydrogenation of
Cyclohexane, by V. I. Vladimirova.
RUSSIAN, per, Doklady Ak Nauk SSSR, Vol 148,
No 1, 1963, pp 101-104.
NASA TF F-11,109

Sci-Chem
Nov 67

344,664

Investigation of Organotin Compounds by the Method
of Mossbauer Resonance Absorption of γ -Quanta, by
A. Yu. Aleksandrov, N. N. Delyagin, et al, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLVIII, No 1,
1963, pp 126-128.

CB

Sci

Jan 64

Mechanochemical Transformations in Macromolecules at 80°
K, by P. Yu. Butyagin, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLVIII, No 1, 1963,
pp 129-131.

CB

Sci

Jan 64

Electrochemical Oxidation of Formic Acid \dot{x} and Its Salts
on a Rotating Platinum Electrode, by Yu. B. Vasil'ev,
V. S. Bagotskiy, 3 pp. (5 pp ATS).

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLVIII, No 1, 1963,
pp 132-135.

CB
ATS-82Q70R

Sci

Jan 64

Frequency of Autooscillations in Electrolytic Systems,
by A. Ya. Gokhshtein, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLVIII, No 1, 1963,
pp 136-139.

CB

Sci

Jan 64

Radiation-chemical Oxidation of $\text{K}_2\text{Fe}(\text{CN})_6$
Pericyanide in Aqueous Solutions, by
A. V. Egunov, P. I. Dolin, 9 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLVIII,
No 1, 1963, pp 140-143. 9689757

Navy Tr 3656/NRL 951

CB
OTS TT-63-11772

Sci - Chem
Dec 63

244,158

Calculation of the Single-Step Separation Coefficients of
Certain Exchange Reactions, by E. M. Kuznetsova,
Z. V. Gryaznova, et al, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLVIII, No 1, 1963,
pp 144-147.

CB

Sci

Jan 64

The Role of the Original Protective Film in the
Oxidation of a Metal in Aqueous Solution, by L. Lepin,
A. Lokenbakh, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLVIII, No 1, 1963,
pp 148-151.

CB

Sci

Jan 64

The Ionization of Oxygen on Palladium, by Yu. A. Mazitov
K. I. Rozental', et al, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLVIII, No 1, 1963,
pp 152-155.

CB

Sci

Jan 64