

Concentration Gradients of Chlorine and S^{35} in
Plants in Relation to Stages of Development, by
I. E. Bogalev, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Section,
Vol CXLIII, No 2, 1962, pp 467-470.

CB

Sci

Nov 63

The Nature of Cell Reproduction in the Central
Nervous System of the Nymph of the House Cricket
(Gryllus Domesticus L., Orth., Insecta), by
A. A. Panov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Section,
Vol CXLIII, No 2, 1962, pp 471-474.

CB

Sci

Nov 63

On the Possibility of Developing an Animal Organism
Under Conditions of Air Nitrogen Substituted by
Helium, by V. V. Boriskin, et al. 9 pp.

RUSSIAN, per, Dokl. Akad. Nauk SSSR, Vol 143,
No 2, 1962, pp 175-178. 9870638

FTD-TT-62-1072

CB

Sci - Biol
Nov 62

216, 924

Fertilization and Development of Eggs of the White
Sea Herring, *Clupea harengus pallasii* n. *maris-albi*
Berg (Var. A), by L. A. Galkina, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Section,
Vol CXLIII, No 2, 1962, pp 479-482.

CB

Sci

Nov 63

Amount of Blood and Hemoglobin and Some Properties
of Hemopoiesis in Newborn ~~XXXX~~Kittens, by
L. I. Irzhad, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Section,
Vol CXLIII, No 2, 1962, pp 483-486.

CB

SCI

Nov 65

Discharge of Glycine-C¹⁴ and Methionine-S³⁵ by
the Salivary Glands During Conditioned and
Unconditioned Secretion, by Yu. A. Petrovich,
R. P. Podorozhnaya, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Section,
Vol CXLIII, No 2, 1962, pp 487-490.

CB

Sci

Nov 63

Toxoplasmosis of Wild Birds in the USSR, by A. K.
Ivgiste, V. M. Gusev, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Section,
Vol CXLIII, No 2, 1962, pp 491-492.

CB

Sci

Nov 63

New Data on the Permian-Triassic Boundary in the
Severnaya Dvina Basin, by N.A. Pakhtusova and M.I.
Shishkin, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Earth Sciences
Section, Vol CKLIII, No 3, 1962, pp194-197.

Amer Geol Inst

Sci

Apr 64

Identities in Special Semigroups, by S. I
Adjan, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIII, No 3
E 1962, pp 499-502.

Amer Math Soc
Sov Math - Dok
Vol III, No 2

211, 642

Sci + Math

Sep 62

A Dynamical System Connected With the Distribution
of the Fractional Parts of a Second Degree Polynomial,
2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLI, No 3,
1962, pp 503-505.

Amer Math Soc
Sov Math - Dok
Vol III, No 2

Sci - Math

Sept 62

Conditions for the Existence of Wave Operators,
by M. S. Birman, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIII,
No 3, 1962, pp 506-509.

Amer Math Soc
Sov Math - Dok
Vol III, No 2

Sci - Math

211, 635-

Sep 62

Asymptotic Representations of Generating Functions
and Limit Theorems in Boundary Value Problems, by
A. A. Borovkov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIII,
No 3, 1962, pp 510-513.

Amer Math Soc
Sov Math - Dok
Vol III, No 2

Sci - Math

211, 636

Sep 62

A General Approximation Method for Solving Linear
Problems, by V. V. Ivanov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLI, No 3, 1962, pp 514-517.

Amer Math Soc
Sov Math - Dok
Vol III, No 2

211, 637

Sci - Math

Sep 62

Oscillatory Properties of Fundamental Functions in
Third-Order Boundary Value Problems, by P. B.
Kalafati, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIII,
No 3, 1962, pp 518-521.

Amer Math Soc
Sov Math - Dok
Vol III, No 2

Sci - Math

211, 638

Sep 62

A Construction Problem Concerned With the Distribution of the Fractional Parts of an Exponential Function,
by N. P. Kulikova, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIII, No 3,
1962, pp 522-524.

Amer Math Soc
Sov Math - Dok
Vol III, No 2

Sci - Math

211, 631

Sep 62

On the Stability of the Lagrange Periodic Solutions
for the Reduced Problem of Three Bodies, by An. M.
Leontovich, 5 pp.

RUSSIAN, per. Dok Ak Nauk SSSR, Vol. CXIII,
No 3, 1962, pp 525-528.

Amer Math Soc
Sov Math - Dok
Vol III, No 2

2/1, 632

Sci - Math
Sep 62

Dyadic Bicomacta and Continuous Mappings of Ordered
Bicomacta, by S. Mardesic, P. Papic, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIII, No 3,
1962, pp 529-531.

Amer Math Soc
Sov Math - Dok
Vol III, No 2

Sci - Math

Sept 62

On the Application of a Law Established by Wiman
and Valliron to the Investigation of the
Characteristic Functions of Probability laws, by
I. V. Ostrowskiy, 4 pp.

RUSSIAN, par, Dok Ak Nauk SSSR, Vol CXLIII,
No 3, 1962, pp 532-535.
3

Amer Math Soc
Sov Math - Dok
Vol III, No 2
211, 633

Sci - Math

Sep 62

The Space of Convergent Sequences, by L. A. Skornjakov,
2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIII, No 3,
1962, pp 536-538.

Amer Math Soc
Sov Math - Dok
Vol III, No 2

Sci - Math

Sept 62

Estimates of Large Deviations in Certain Problems
Concerning an Incomplete System of Residues, by
L. P. Uspol'nov, 4 pp.

RUSSIAN, Dokl. Akad. Nauk SSSR, Vol. CXLIX, No 3,
1962, pp 539-542.

Amer Math Soc
Sov Math - Dok
Vol. III, No 2

211, 631

Sci - Math

Sep 62

The Use of Asymptotic Approximations in the Investigation of the Dynamics of the Boisse-Sardou Regulator, by B. A. At'tshul', 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIII, No 3, 1962, pp 555-557.

AIP
Sov Phys - Dok
Vol VII, No 3

Sci] Phys

Oct 62

EXACT SOLUTION OF FREEZING PROBLEM WITH ARBITRARY T
TEMPERATURE VARIATION ON FIXED BOUNDARY, BY
I. G. PORTNOV, 4 PP.

RUSSIAN, PER, DOK AK NAUK SSSR, VOL CXLIII, NO 3,
1962, PP 559-562.

OTR 63-10287

AIP

SOV PHYS - DOK

VOL VII, NO 3

SCO - PHYS
OCT 62

212,112

QUENCHING OF THE FLUORESCENCE OF SOLUTIONS BY
FOREIGN SUBSTANCES, BY L. A. KIYANSKAYA, P. I.
KUDRYASHOV, 3 PP .

RUSSIAN, PER, DOK AK NAUK SSSR, VOL CXLIII, NO 3,
1962, PP 563-566.

AIP
SOV PHY S - DOK
VOLVII, NO 3

OCT 62
SCI - PHY S

2812,116

The Temperature Dependence of Electrical Conductivity
in Solids, by N. N. Sirota, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIII, No 3,
1962, pp 567-569

AIP
Sov Phys - Dok
Vol VII, No 3

Sci - Phys

Oct 62

On the Problem of the Generalized Character of Commutator
Functions, by D. A. Slavnov, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIII, No 3,
1962, pp 570-573.

AIP
Sov Phys - Dok
Vol VII, No 3

Sci - Phys

Oct 62

CRYSTAL STRUCTURE AND ORIENTATION OF THE
CARBIDE PHASE OF LOW-TEMPERED STEEL, BY M. P.
ARBUZOV, B. V. KHAENKO, 4 PP.

RUSSIAN, PER, DOK AK NAUK SSSR, VOL CXLIII, NO 3,
1962, PP 574-577.

AIP
SOV PHYS - DOK
VOL VII, NO 3

SCI - PHYS
OCT 62

212,120

Diffraction Phenomena Occurring During the Use of
the Shadow Photometric Method of the Knife and
Slit, by L. A. Vasilev, M. M. Skotnikov, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIII, No 3,
1962, pp 578-581.

X AIP

Sov Phys - Dok

Vol VII, No 3

Sci - Phys

Oct 62

On the Maximum Directivity of Antennas Consisting of
Discrete ~~RE~~ Radiators, by E. I. Krupitskiy, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIII, No 3,
1962, pp 582-585.

AIP
Sov Phys - Dok
Vol VII, No 3

Sci - Phys

Oct 62

The Reaction of Sodium Hexanitrocobaltate with
Pyridine, by A. V. Babayeva, I. B. Baranovskiy, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIII, No 3,
Mar/Apr 1962, pp 587-589.

CB

Sci

Feb 63

Determination of the Flexibility of Polyethylene
Chains from Adsorption Data, by T. V. Gatovskaya,
G. M. Pavlyuchenko, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIII, No 3,
Mar/Apr 1962, pp 590-591.

CB

Sci

Feb 63

Pseudoallyl Rearrangement of Tri-(Chloromethyl)-
Phosphine, by M. I. Kabachnik, E. N. Tsvetkov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLI, No 3,
Mar/Apr 1962, pp 592-595.

CB

Sci

Feb 63

The Problem of the Separation of Phosphonium Compounds
with an Asymmetric Phosphorus Atom, by Gil'm Kamaev,
G. M. Rusetskaya, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLI, No 3,
Mar/Apr 1962, pp 596-598.

CB

Sci

Feb 63

The Problem of the Equilibrium of the Reduction of
Beryllium Oxide by Carbon, by F. Sh. Muratov,
A. V. Novoselova, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLI, No 3,
Mar/Apr 1962, pp 599-602.

CB

Sci

Feb 63

An Investigation of the Element-Oxane Bond, Lead-Oxanes, by E. M. Panov, N. N. Zemlyanitskiy, K. A. Kocheshkov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLI, No 3, Mar/Apr 1962, pp 603-605.

CB

Sci

Feb 63

Preparation of Solid Solutions of the System Ge-Si
from the Vapor Phase, by A. V. Sandulova,
P. S. Bogoyavlenskiy, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIII, No 3,
Mar/Apr 1962, pp 610-614.

CB

Sci

OTS 62-18820

Feb 63

Synthesis and Conversions of α -Dicyanoalkyltetra-
methyldisiloxanes, by A. D. Petrov, V. M. Vdovin,
4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLI, No 3,
Mar/Apr 1962, pp 606-609.

CB

68/37/106.

Sci

Feb 63

The Iron-Zirconium Phase Diagram, by V. N. Svechnikov,
A. Ts. Spektor, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLI, No 3,
Mar/Apr 1962, pp 615-616.

CB

Sci

Feb 63

The Effect of Irradiation on the Catalytic Properties
of Copper, by P. Tetenyiy, L. Babernics, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIII, No 3,
Mar/Apr 1962, pp 616-617.

CB

Sci

Feb 63

The Relation between the Surface Tension of Cesium
and Temperature, by O. A. Timofeyevicheva,
V. B. Lazarev, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIII, No 3,
Mar/Apr 1962, pp 618-620.

CB

Sci

Feb 63

On the Interaction of Polymers and Co-Polymers of
2-Methyl-5-Vinylpyridine with Aromatic Nitro Compounds,
by A. V. Topchiev, N. N. Kaptsov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIII, No 3,
Mar/Apr 1962, pp 621-624.

CB

Sci

Feb 63

An Investigation of the Dependence of the Course
of the Process of Catalytic Reduction of Dinitriles
on Their Structures, by L. Kh. Freidlin, T. A. Sladkova,
4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIII, No 3,
Mar/Apr 1962, pp 625-628.

CB

Sci

Feb 63

The Relative Rates of the Synthesis of Peptides (The
Aminolysis of p-Nitrophenyl Esters)., by Yu. I. Khurgin,
M. G. Dmitrieva, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLI, No 3,
Mar/Apr 1962, pp 629-632.

CB

Sci

Feb 63

On the Interaction of 3-Aminopropene-1,2-Thiocarbonate
with Ammonia and with Amines, by Y. S. Yetlis,
G. A. Razuvayev, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLI, No 3,
Mar/Apr 1962, pp 633-635.

CB

Sci

Feb 63

Thermodynamics of Phase Transformations in
Binary Alloys, by I. L. Aptekar, D. A.
Kuznetsovskaya, 6 pp. *212*

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIII,
1962, pp 636-639. *9066 940*

AEC Tr-5184

Sci - Min/Met

212, 660

Sep 62

Some Sulfhydryl Compounds of Trivalent Iron,
by I. A. Kakovskiy, E. A. Vershinin, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, (Chemical Technology
Section, Vol CXLIII, No 3, 1962, pp 649-652.

CB

Sci

Aug 63

The Sorption of Alkali Metal Xanthates by Anion-
Exchangers, by I. N. Plaksin, S. A. Tetaru, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, (Chemical Technology
Section), Vol CXLI, No 3, 1962, pp 653-654.

CB

Sci

Aug 63

The Study of the Liquid - Vapor Equilibrium for
High-Boiling Mixtures at Pressures Other Than
Atmospheric, for the Case of the Cadmium-Zinc
System, by D. M. Chizhikov, Yu. V. Tsvetkov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, (Chemical Technology
Section), Vol CXLIII, No 3, 1962, pp 655- .

CB

Sci

Aug 63

EFFECT OF X IRRADIATION OF ANIMALS DURING PREGNANCY
ON PERIPHERAL BLOOD OF PROGENY, BY N. I. NUZHDIN,
N. N. KUZNETSOVA, 3 PP.

RUSSIAN, PER, DOK AK NAUK SSSR, VOL CXLIII, NO 3,
1962, PP 717-720.

AIP
SOV PHYS - DOK
VOL VII, NO 3

SCI - PHY S

ce

OCT 62

212,122

Rate of Turnover of Water in Marine Teleost
Fishes, by B. B. Vartapetyan, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Section,
Vol CXLIII, No 3, 1962, pp 721-723.

CB

Sci

Nov 63

Therapeutic Action of Sodium Phenylethylacetate,
Vanadyl Sulfate, and of Their Combination in
Experimental Atherosclerosis, by V. V. Korkhov,
3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Section,
Vol CXLIII, No 3, 1962, pp 724-726.

CB

Sci

Nov 63

Biosynthesis of Valine From Its Keto-Analog in
Sunflower Shoots, by V. L. Kretovich, Z. S. Kagan,
3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Section,
Vol CXLIII, No 3, 1962, pp 727-729.

CB

Sci

Nov 63

Isolation and Some Properties of Teichoic Acid of
Actinomyces Streptomyces Krass, by I. B. Naumova,
A. N. Belozerskiy, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Section,
Vol CXLIII, No 3, 1962, pp 730-733.

CB

Sci

Nov 63

Mechanism of Action of Vitamin B₁₅ (Pangamic Acid),
by Yu. F. Udalov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Section,
Vol CXLIII, No 3, 1962, pp 734-736.

CB

Sci

Nov 65

Kinetic Characteristics of Antitumor Activity of
Chemical Compounds Belonging to Different Classes,
by N. M. Emanuel', N. P. Konovalova, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Section,
Vol CXLIII, No 3, 1962, pp 737-740.

CB

Sci

Nov 63

The Germination of Resting Spores of Chaetoceros
Lauderi Ralfs, by N. F. Mikhailova, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Section,
Vol CXLIII, No 3, 1962, pp 4 741-742.

CB

Sci

Nov 63

Changes in the Excitability of the Motoneurons of the Thoracic Ganglion of the Asia Locust Induced by Stimulation of the Supraesophageal Ganglion, by I. V. Chudakova, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Section, Vol XXX CXLIII, No 3, 1962, pp 743-745.

CB

Sci

Nov 65

The Time Taken for Maturation and for Embryonic
Development in the Sturgeon and Sevruga, by
T. A. Detlaf, S. E. Zubova, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Section,
Vol CXLI, No 3, 1962, pp 746-748.

CB

Sci

Nov 63

A New Genus and Species of Tapeworm, *Breviscolex Orientalis* (Caryophyllaeidae, Cestodes), & From Fish in the Amur Basin, by O. P. Kulakovskaya, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Section, Vol CXLIII, No 3, 1962, pp 1001-1004.

CB

Sci

Nov 65

The Proton Magnetic Resonance of the Sulfite and
Carbonate of 2,2-Dimethylpropanediol-1,3, by
B. A. Arbuzov, Yu. Yu. Samitov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIII, No 4,
Mar/Apr 1962, pp 338-341.

CB

Sci

Feb 63

A Problem of Hydraulic Engineering, by L. I.
Kamynin, 3 pp.

RUSSIAN, ~~XXXX~~ per, Dok Ak Nauk SSSR, Vol CXLIII,
No 4, 1962, pp 779-781.

Amer Math Soc
Sov Math - Dok
Vol III, No 2

Sci - Math

211, 620

Sep 62

The Construction of a Number α for Which the
Fractional Parts $\{n\alpha^k\}$ are distributed With
Rapid Uniformity, by M. F. Kulikova, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIII,
No 4, 1962, pp 782-784.

~~XXXXXXXXXX~~

Amer Math Soc
Sov Math - Dok
Vol III, No 2

211.621

Sci - Math

Sep 62

Distribution of Primitive Integral Points on Certain
Cones, by V. P. Mjakisev, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLI, No 4,
1962, pp 785-786.

Amer Math Soc
Sov Math - Dok
Vol III, No 2

Sci - Math

Sept 62

Projective Methods in Applied Mathematics, by
N. I. Pol'skiy, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIII,
No 4, 1962, pp 787-790.

Amer Math Soc
Sov Math - Dok
Vol III, no 2

211, 622

Sci - Math

Sep 62

Strongly Paracompact Spaces, by V. Ponomarev, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIII, No 4,
1962, pp 791-793.

Amer Math Soc
Sov Math - Dok
Vol III, No 2

Sci - Math

Sept 62

A Class of Nonlinear Degenerating ~~SSSR~~ Parabolic
Equations, by E. S. Sabinina, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIII,
No 4, 1962, pp 794-797.

Amer Math Soc
Sov Math - Dok
Vol III, No 2

211, 615

Sci - Math

Sep 62

Difference Methods of Solving the Cauchy Problem for
the Laplace Equation, by L. A. Cudov, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIII,
No 4, 1962, pp 798-801.

Amer Math Soc
Sov Math " Dok
Vol III, No 2

Sci - Math

211, 61⁶

Sep 62

(SF-2316)

X-RAY STUDY OF THE EFFECT OF HYDROSTATIC PRESSURE
TO 18,000 KG/CM² ON THE STRUCTURE OF LEAD TITANATE,
BY S. S. KABALKINA, 6 PP.

RUSSIAN, PER, DOK AK NAUK SSSR, VOL CXLIII, NO 4,
1962, PP 818-821.

JPRS 15191

SCI - PHYS

SEP 62

210,171

62-20019

I. Levinson, I. B.
II. Plavina, I. Z.

ATS-14662R (4pp)

Levinson, I. B. and Plavina, I. Z.
THE MECHANISM UNDERLYING THE FORMATION
OF LATENT ELECTROPHOTOGRAPHIC IMAGES IN
ZINC OXIDE LAYERS (O Mekhanizme Obrazovaniya
Skrytogo Elektrofotograficheskogo Izvrazheniya v
Sloyakh iz Oksidi Tsinka). [1962] [8p]. (foreign text
included) 6 refs.

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62-20019

Trans. of Akademiya Nauk SSSR, Doklady, 1962,
v. 143, no. 4, p. 822-824.

DESCRIPTORS: *Photographic images, Electrical
double layer, Surface properties, Ions, *Zinc com-
pounds, *Oxides, *Electrophotography, \
Semiconductors.

(Materials--Photographic, TT, v. 10, no. 4)

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Fridkin, V. M.
THE ISOPAQUE IN ELECTROPHOTOGRAPHY
(XEROGRAPHY). [1961] 5p.
Order from ATS \$6.75

ATS-15068R

Trans. of Akad[emiya] Nauk SSSR. (Doklady) 1962,
v. 143, no. 4, p. 825-828.

DESCRIPTORS: *Electrophotography, Optical
properties.

(Materials--Photographic, TT, v. 10, no. 1)

63-17125

I. Fridkin, V. M.
II. ATS-15068R
III. Associated Technical
Services, Inc., East
Orange, N. J.

Office of Technical Services

Synthesis of Some Organosilicon Monomers with a
Phosphorus-Containing Functional Group, by
E. F. Bugarenko, E. A. Chernyshev, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIII, No 4,
Mar/Apr 1962, pp 840-843.

CB

Sci

Feb 63

The Dipole Moments and Structure of Certain Fluorine-Substituted Styrenes, by V. N. Vasil'eva, K. A. Kocheshkov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol. CXLIII, No 4, Mar/Apr 1962, pp 844-846.

CB

Sci

Feb 63

A Study of the Mechanism of the Oxidation of Hydroxybenzaldehydes by Peroxides, by Means of O18., by N. A. Vysotskaya, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIII, No 4, Mar/Apr 1962, pp 847-848.

CB

Sci

Feb 63

Soda Formation as a Consequence of Sorption of Sulfate
Ion, by S. A. Durov, N. I. Perova, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIII, No 4,
Mar/Apr 1962, pp 849-851.

CB

Sci

Feb 63

Perchloric Acid-Catalyzed Deacetylation of Carbon-hydrate Acetates, by Yu. A. Zhdanov, G. A. Korol'chenko, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLI, No 4, Mar/Apr 1962, pp 852-854.

CB

Sci

Feb 63

Tin and Lead Derivatives of Hydrocarbons with
1,3-Enyne Radicals, by V. S. Zavgorodniy, A. A. Petrov,
3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIII, No 4,
Mar/Apr 1962, pp 855-858.

CB

Sci

Feb 63

α -Alkyl Derivatives of Allyl and 2-Butenyl Esters of
Arsenious Acid, by Gil'm Kamay, R. K. Zaripov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLI, No 4,
Mar/Apr 1962, pp 859-862.

CB

Sci

Feb 63

Thin-Layer Chromatography of Monosaccharide Derivatives
on Aluminum Oxide, by N. K. Kochetkov, B. A. Dmitriev,
3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLI, No 4,
Mar/Apr 1962, pp 863-866.

CB

Sci

Feb 63

Investigation of the Structure of Some Inner-Complex
Compounds by Electron Paramagnetic Resonance,
by B. V. Lokshin, A. K. Piskunov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLI, No 4,
Mar/Apr 1962, pp 867-870.

CB

Sci

Feb 63

Interaction Between the Intermetallic Compounds
 Ni_3Al and Ni_3Nb , by R. S. Mints, G. F. Belyayeva,
4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLI, No 4,
Mar/Apr 1962, pp 871-874.

CB

Sci

Feb 63

The Rearrangement of Methyl (Bisdiethylphosphono)
Carbinol, by A. N. Pudovik, I. V. Konovalova, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIII, No 4,
Mar/Apr 1962, pp 875-878.

CB

Sci

Feb 63

Polymerization of Allyl Benzene in the
Presence of a Ziegler Type Catalytic
System, by A. V. Topchiev
RUSSIAN, per, Akademiya Nauk SSSR. Doklady,
Vol 143, 1962, pp 879-882
NTC 71-15233-07C

1/3

mar 72

Investigation of Selectivity and Stereospecificity
in the Hydrogenation of n-Hexynes over Skeletal
Nickel Catalyst, by L. Kh. Freidlin, Yu Yu. Kaup,
4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLI, No 4,
Mar/Apr 1962, pp 883-886.

CB

Sci

Feb 63

New Routes for the Synthesis of B-Monohalo-Substituted
N-Dialkylborazenes and N-Trialkylborazanes, by
L. L. Shchukovskaya, M. G. Voronkov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIII, No 4,
Mar/Apr 1962, pp 887-889.

CB

Sci

Feb 63

On the Theory of Superfine Splitting Anisotropy in
Electron-Paramagnetic Resonance Spectra of Free
Radicals, by S. I. Vetchinkin, S. V. Karigan.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIII, No 4,
1962, pp 890-893.

[Signature]
*Navy/APL

7/27/62 3477/APL 666

Sci - Phys

25 Sep 62

The Ordering of a Solid Solution Based on -Mn, by
N. V. Ageyev, V. Sh. Shekhtman, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, (Chemical Technology
Section), Vol CXLIII, No 4, 1962, pp 922-924.

CB

Sci

Aug 63

Control of Wetting Power of Polyethylene Films, by
A. A. Sinegub-Lavrenko, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, (Chemical Technology
Section), Vol CXLIII, No 4, 1962, pp 925- .

CB

Sci

Aug 63

Crystalline Structure of the New Close-Grained
Modification of Silica, SiO_2 , by S. M. Stishov,
N. V. Belov, 7 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLI, No 4,
1962, pp 951-954. 9681600

FTD-TT-62-1709

Sci-Chem
May 63

229,498

Demonstration in Vivo of Mitochondria in Bacteria,
by M. N. Malatyan, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Section,
Vol CXLIII, No 4, 1962, pp 955-957.

CB

Sci

Nov 63

Cytophotometric Determination of the Amount of
DNA in Complete Cells of Different Genotypes,
by D. K. Belyayev, I. I. Kiknadze, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Section,
Vol CXLIII, No 4, 1962, pp 958-960.

CB

Sci

Nov 63

Action of a Transient Temperature Rise in Forked
Mutants of *Drosophila Melanogaster* on Characteristics
of the Offspring, by P. G. Svetlov, G. F. Korsakova,
3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Section,
Vol CXLIII, No 4, 1962, pp 961-964.

CB

Sci

Nov 63

New Data on the Northern Limit of Occurrence of Young
Cod, Haddock, Norway Haddock, and Herring in the
Barents Sea, by T. S. Berger, B. A. Popov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Section,
Vol CXLIII, No 4, 1962, pp 965-967.

CB

Sci

Nov 63

Quantitative Distribution of Benthic Macrofauna on
the Caucasian Coasts of the Black Sea, by V. N. Nikitin,
3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Section,
Vol CXLIII, No 4, 1962, pp 968-971.

CB

Sci

Nov 63

Effect of IFRD-1 on Clubroot of Cabbages, by
N. V. Tsitsin, E. S. Cherkasskii, et al, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Section,
Vol CXLIII, No 4, 1962, pp 972-975.

CB

Sci

Nov 63

INCREASING THE RADIORESISTIVITY OF NERVE TISSUE
WITH THE AID OF THIAMINE PREPARATIONS COMBINED
WITH NARCOTICS, BY P. F. MINAYEV, P. MOSHCHINSKIY,
ET AL, 7 PP.

RUSSIAN, PER, DOK AK NAUK SSSR, VOL CXLIII,
NO 4, 1962, PP 976-979. ~~9677961~~

FTD-TT-62-831

CB

SCI - MED
AUG 62

207,958

Synthesis and Degradation of Starch in Coacervate
Droplets, by A. I. Opatin, T. N. Evreinova, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Section,
Vol CXLIII, No 4, 1962, pp 980-983.

CB

Sci

Nov 63

Formation of Dark-Colored Substances in Plants
Poisoned by Salts, by B. P. K Stroganov,
N. I. Shevyakova, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Section,
Vol CXLIII, No 4, 1962, pp 984-986.

CB

Sci

Nov 63