

The Effect of Continued Darkness on the Daily
Periodicity of Mitoses in the Corneal Epithelium of
Mice, by I. A. Utkin, L. Pl. Kosichenko, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIV, no 1,
1960, pp 191-194.

AIBS

Sci

JUL 61

163,607

Morphological and Functional Features of the
Transition from Day Vision to Twilight Vision
in Some Black Sea Fish, by V. P. Protasov, Yu. I.
Altukhov, N. D. Kovaleva, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol. CCXXIV, No. 1,
1960, pp 195-198.

AIMS

Sci

Aug 61

163,613

Dimensionless Characteristics of Duration of
Development in Embryology, by T. A. Detlaf,
A. A. Detlaf, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIV,
No 1, 1960, pp 199-202

AIP
Sov Phys - Dok
Vol V, No 5

Sci

152,530

Apr 61

On the Complex Which Fixes Carbon Dioxide in the
Photosynthetic Process, by L. A. Mezgovorova, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIV, No 1,
1960, pp 203-205.

AIBS

Sci

Jun 61

155,702

Study of the Mechanism of Processes in the Induction
Period of Photosynthesis Using Carbon¹⁴, by V. E.
Semenyko, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIV, No 1,
1960, pp 207-210.

AIBS

155,784

Sci

Jun 61

The Absorption of the Herbicide 2,4-D by the
Leaves of Weed Plants, by A. V. Voevodiy,
S. V. Andreyev, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIV,
No 1, 1960, pp 211-213.

AIBS

Sci

May 61

152,965

Concerning the Question of the Chemical Nature of the
Volatile Substances in the Leaves of Some Plants, by
G. A. Sanadze, G. M. Dolidze, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIV, No 1,
1960, pp 214-216.

AIBS

Sci

May 61

A New Class of Pharmacologically Active Substances
With a Marked Influence on the Central Nervous
System, by M. L. Belen'kiy, G. K. Gornare, A. K.
Arca, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol. CXXXIV, No 1,
1960, pp 217-220.

ATES

Sci

Aug 61

163,634

The Role of Serotonin in the Stimulant Action of Brain
Extract on the Working Ability of the Fatigued Neuro-
muscular Apparatus, by M. M. Gromakovskaya, 3 pp.

RUSSIAN, per, ~~Dok Ak Nauk SSSR~~, Vol CXXXIV, No 1,
1960, pp 221-224.

AIBS

A
Sci

Aug 61

163,635

The Amount of Bone Marrow in Reindeer, by P. A.
Korzhev, I. S. Nikol'skaya, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIV, No 1,
1960, pp 225-228.

AIBS

Sci

Aug 61

163,636

The Mechanism of Interaction Between Analyzers, by
S. P. Harikashvili, E. S. E Monyava, D. V. Kadzhaya,
4 pp.

RUSSIAN, per, ~~Dok Ak Nauk SSSR~~, Vol CXXXIV, No 1,
1960, pp 229-232.

AIBS

Sci

Aug 61

163,637

Regional Induction by the Chordomesoderm in Sturgeon;
by G. A. Ignat'yeva, 5pp.

RUSSIAN, per. Dok Ak Nauk SSSR, Vol CXIXIV, No 1,
1960, pp 233-236.

AIBS

Sci

Aug 61

163,616

The Life-cycle of the Trematode *Spasirostoma* *Spasiro*
Miller, 1976, by M. I. Chernogorenko-Bidulina,
I. D. Biliznyuk, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol. OBYKIV, No 1,
1960, pp 237-240.

AIES

Sci

Aug 61

163,632

(NY-5348)

Gas Flows at High Supersonic Speeds, by
M. D. Ladyzhenskiy, 10 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIV,
No 2, 1960, pp 296-299.

JPRS 7356

Sci - Phys

Mar 61

142,462

(NY-5348)

Linear Approximation of Velocity in the Case of
One-Dimensional Motion of a Plasma With Finite
Conductivity, by L. B. Levitin, K. P.
Stanyukovich, 10 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIV,
No 2, 1960, pp 300-303.

JPRS 7357

Sci - Phys

142,452

Mar 61

(NY-5348)

On Lagrangian Characteristics of Turbulence, by
A. S. Monin, 11 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIV,
No 2, 1960, pp 304-307.

Sci - Phys

Mar 61

JPRS 7358

JLA 61-10368

ATS/RT-2942

142,457

On Optimum Processes in Pulsed Automatic
Systems, by Ya. Z. Tsypkin, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIV,
No 2, 1960, pp 308-310

AIP
Sov Phys - Dok
Vol V, No 5
OTS 62-10173

Sci

Apr 61

152,488

Fine Structure of Excitation Functions of Bands
of the Molecular Ions N_2^+ , CO^+ and NO^+ , by
I. P. Zapesochnyy, S. M. Kishko, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIV,
No 2, 1960, pp 311-313.

AIP
Sov Phys - Dok
Vol V, No 5

Sci

152,503

Apr 61

Experimental Investigation of Electron Oscillations in Cyclical Accelerators, by F. A. Korolev, A. G. Ershov, O. F. Kulikov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIV, No 2, 1960, 314-317.

AIP
Sov Phys - Dok
Vol V, No 5

Sci

152,504

Apr 61

Radiation of Fast Particles in an Inhomogeneous
Medium, by M. L. Ter-Mikaelyan, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIV,
No 2, 1960, pp 318-.

AIP
Sov Phys - Dok
Vol V, No 5

Apr 61

Sci

152, 505

Application of Radioactive Isotopes to the
Investigation of the Space Distribution of
Atoms in a Direct-Current Arc Plasma in Various
Atmospheres, by E. E. Vainshtein, Yu. I. Belyayev,
4 pp.

RUSSIAN, per, Dok Ak Nauk, Vol CXXXIV,
No 2, 1960, pp 322-325.

AIP
Sov Phys - Dok
Vol V, No 5

152, 517

Sci
Apr 61

Magnetic Susceptibility of Nickel, Cobalt and
Iron at High Temperatures in the Liquid State,
by A. A. Vertman, A. M. Samarin, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIV,
No 2, 1960, pp 326-329.

AIP
Sov Phys - Dok
Vol V, No 5

Sci

152,518

Apr 61

X-Ray Investigation of Linear Compressibility
of Boron Nitride at Pressures up to 16,000
kg/cm². by S. S. Kabalkina, L. F. Vereshchagin,
3 pp.

RUSSIAN, per, Dok Ak Nauk, Vol CXXXIV,
No 2, 1960, pp 330-332.

AIP
Sov Phys - Dok
Vol V, No 5

Sci
Apr 61

152,519

On the Limiting Values of the Activation Energy
of Steady Creep Under Tension in a Vacuum
for α -Fe and α -Ti, by K. A. Osipov, A. L.
Sotnichenko, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, NVol CXXXIV,
No 2, 1960, pp 333-336.

AIP
Sov Phys - Dok
Vol V, No 5

Sci
Apr 61

152, 520

Critical Condensation Temperature of Bi, Sb, and
Pb, by L. S. Palatnik, Yu. F. Kozmik, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIV,
No 2, 1960, pp 337-.

AIP
Sov Phys - Dok
Vol V, No 5

Sci

152, 521

Apr 61

(NY-5348)

On the Possible Causes of Irregular Motions of
Ionization Clouds Connected With Auroras, by
A. P. Nikol'skiy, 12 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIV,
No 2, 1960, pp 341-344.

JPRS 9063

Sci - Geophys

May 61

150,996

The Combined Dehydration of Alcohols in an
Adsorbed Layer on Aluminum Oxide Catalysts,
by V. E. Vasserberg, A. A. Balandin, E. V.
Georgievskaya, 4 pp.

RUSSIAN, Dok Ak Nauk SSSR, Vol CXXXIV,
No 2, 1960, pp 371-375.

CB

Sci

152,989

May 61

The Infrared Spectra of Water, Ethanol, and Methanol Adsorbed on Chromic Oxide, -by L. M. Royev and A. N. Terenin, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol. CXXIV, No 2, 1959, pp 373-376.

Consultative Bureau

Gci

SWA 62-1436-6

Feb 60

108,158

The Effect of the Structure of Hydrocarbons on Their Solubilization in Solutions of Sodium Salts of Saturated Aliphatic Acids, by P. A. Demchenko, A. V. Dumanskiy, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIV, No 2, 1960, pp 374-375.

Sci

May 61

CB
ATS-RJ-2890
ATS-CONSUR
152,990

The Relationship Between the Floatability of
Antimonite and the Magnitude of the Zeta
Potential, by B. V. Deryagin, N. D. Shukakidze,
6 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIV,
No 2, 1960, pp 376-379.

CB

Sci

152, 991

May 61

Convective Instability in an Electrochemical System, by V. G. Levich, Yu. A. Chizmadzhev, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIV, No 2, 1960, pp 380-383.

CB

Sci

May 61

152,992

The Structure of Graphitized Thermal Carbon
Black Particles and of Their Fission Products,
by E. A. Leont'yev, V. M. Luk'yanovich, 4 pp.

RUSSIAN, per, Dok AK Nauk SSSR, Vol CXXXIV,
No 2, 1960, pp 384-386.

CB

Sci

May 61

152,993

A Polarographic Study of Iodomethyltrialkylsilanes,
An Unusual Polarographic Maximum on the Iodomethyl-
phenyldimethylsilane, by S. G. Mairanovskiy, V. A.
Fonomarenko, N. V. Barashkova, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIV,
No 2, 1960, pp 387-390.

CB

Sci

May 61

152,994

A Study of the Mechanism of Oxidation of Copper
by Liquid Sulfur Using the S^{35} Isotope. I. I.
Pokrovskiy, M. M. Pavlyuchenko, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIV,
No 2, 1960, pp 391-393.

CB

Sci

May 61

152,995

The Relaxation Mechanism in the Critical Region of
Separation into Layers, by L. A. Rott, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIV,
No 2, 1960, pp 394-396.

GB

Sci

May 61

152,996

Mechanism of Gas Formation During Radiolysis
of Organic Substances and Its Connection With
Their Aggregate State, by A. B. Tautman, L. P.
Yanova, R. S. Maslovskaya, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIV,
No 2, 1960, pp 397-399.

CB

Sci

May 61

152,997

61-22129

Sledkevich, V. S., Sokolov, V. A., and Butin, R. V.
PROTEROZOIC ALGAL BIOHERMS ON YUZHNYI
OLENNI ISLAND IN KARELIA. [1961] 5p.
Order from ATS \$3.30 ATS-18N50R

Trans. of Akad[emiya] Nauk SSSR. Doklady, 1960,
v. 134, no. 2, p. 435-438.

1. Paleocology--USSR
2. Algae--USSR
- I. Sledkevich, V. S.
- II. Sokolov, V. A.
- III. Butin, R. V.
- IV. ATS-18N50R
- V. Associated Technical

Services, Inc.,
East Orange, N. J.

ATS/RT-2917

158841

Office of Technical Services

(Earth Science--Geology, TT, v. 5, no. 10)

The Effect of Roshtgen Radiation on the Content of
Nucleic Acids in the Nuclei of Bone Marrow Cells
by V. Ya. Brodskiy, I. A. Suetina, 3 PP.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol. CXXXIV, No 2,
1960, pp 439-442.

AJBS

Sci

Jul 61

163,608

Activation of the Lipolytic Enzymes in the Wall of
the Human Aorta in Atherosclerosis, by V. I. Deribas,
B. B. Fuks, G. S. Shishkin, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIV, No 2,
1960, pp 443-444.

AIBS

Sci

Jul 61

The Functional Purpose of Static Myosin in the Lower
Vertebrates, by E. I. Koloss, 5 pp.

RUSSIAN, not Ak Nauk SSSR, VOL. XXVII, No 2,
1960, pp. 15-19.

ALBS

Sci

Aug 61

163,527

An Attempt to Induce Hereditary Variation in the
Silkworm by Means of Interline Injections of
Deoxyribonucleic Acid, by B. L. Astaurov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIV, No 2,
1961, pp 449-452.

AIBS

Sci
Aug 61

163,781

Ecology of Mesocyclops Crassus (S. Fisch.) 1953
(Crustacea, Copepoda), by S. N. Ulomskiy, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIV, No 2,
1960, pp 453-456.

AIBS

Sci

Aug 61

163,614

Significance of Different Parts of the Folic
Acid Molecule in the Biosynthesis of Purine and
Pyrimidine Bases in Plants, by N. A. Andreyeva,
3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIV, No 2
1960, pp 457-459.

AIBS

Sci

155,703

Jun 61

Enzymatic Exchange of Ammonia With the Amido
Group of α -Ketosuccinamic Acid, by M. I.
Lerman, S. R. Mardashev, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIV, No 2,
1960, pp 460-462.

AIBS

Sci

155705

Jun 61

A Model of Color Vision, by V. K. Lyapidevskiy, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIV, No 2,
1960, pp 463-466.

AIP
Sov Phys - Dok
Vol V, No 5

Sci

AIIS

Apr 61

Leeches of the Subfamily Toricinae Subfam. N. and Their
Geographical Distribution, by E. I. Lukin, V. N.
Yepshtein, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIV, No 2,
1960, pp 478-481.

AIRS

Sci

Aug 61

163,641

Study of Live Microorganisms in Electron Micro-
scope by Gas Microchamber Method, by I. G.
Stoyanova, T. A. Hnekrasova, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIV,
No 2, 1960, pp 467-470.

AIP
Sov Phys - Dok
Vol V, No 5

Sci

1185
152,531

Apr 61

On the Reflection of Light as Related to Leaf
Structure, by I. A. Shul'gin, V. S. Khazanov,
A. F. Kleshnin, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIV,
No 2, 1960, pp 471-474.

AIBS

Sci

May 61

152,964

Certain Peculiarities of Urea Nitrogen Intake
by Corn Plant Leaves From Direct Supplementary
Applications, by A. N. Pavlov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIV,
No 2, 1960, pp 475-477.

AIBS

Sci

May 61

152,966

On the Application of the Properties of the Regions
of Holomorphy to the Study of the Solutions of
Differential Equations, by V. S. Vladimirov.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIV, No 3,
1960. 9662337

USASIA Tr-1151-A

Sci - Phys
Jun 61

152, 891

Quantitative Characteristics of Bone Marrow from
Mature Chinchilla Rabbits, by V. I. E. Kosobytskiy,
S. D.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIV, No 2,
1960, pp 482-484.

AIBS

Sci

Aug 61

163631

The Frontal Vectordynamocardiogram, by E. E. Babitskiy,
L. A. Yoffe, V. L. Karpman, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIV, No 2,
1960, pp 485-488.

AIES

Sci

Aug 61

163,638

Absorption of Specific Tumor Antigens on Erythrocytes,
by L. A. Zil'ber, L. A. Lyudogovskaya, 4 pp.

RUSSIAN, ~~per, Dok Ak Nauk SSSR~~, Vol CXXXIV, No 2,
1960, pp 489-492.

AIDS

Sci

Aug 61

163,639

Pseudoplacental Vascular Anastomosis in Embryonic
Fasciitis and the Appearance of Frenum in
Sheep, by K. M. Kursonov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIV, No 2,
1960, pp 493-496.

ATBS

Sci

Aug 61

163617

The Thermodynamics of the Modification of
Kaolinite Induced by Heating, by
P. P. Budnikov, O. P. Chedlov-Petrosyan,

RUSSIAN, per, Dok Ak Nauk SSSR,
Vol CXXXIV, No 3, 1960, pp 349-350.

NLL M. 3262

Sci - Chem, Engr

Feb 62

186,697

Vladimirov, V. S.

ON THE APPLICATION OF THE PROPERTIES OF
THE REGIONS OF HOLOMORPHY TO THE STUDY
OF THE SOLUTIONS OF DIFFERENTIAL EQUA-
TIONS (O Primenenii Svoisty Oblastei Golomorfnosti
k Izuchenii Differentsialnykh Uravnenii). [1962] [10]p.
(foreign text included) 10 refs. [USASIA] Trans. Log.
no. 1151 A.
Order from OTS or SLA \$1.10 62-32626

Trans. of Akademiya Nauk SSSR, Doklady, 1960,
v. 134, no. 3 [p. 511-513].

DESCRIPTORS: *Differential equations, Functions.

This paper indicates a new approach to the study of
questions involving the correctness of formulation of
problems for a single class of differential equations
with constant coefficients and even for equations of a
(Mathematics, TT, v. 10, no. 6) (over)

62-32626

I. Vladimirov, V. S.
II. USASIA Trans-1151-A
III. Army Signal Intel-
ligence Agency,
Arlington, Va.

Office of Technical Services

On the Synthesis of Self-Correcting Relay
Circuits, by Yu. G. Potapov, S. V. Yablonakiy,
4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIV,
No 3, 1960, pp 544-.

AIF
Sov Phys - Dok
Vol V, No 5

Sci

152, 489

Apr 61

On the Synthesis of Self-Correcting Contact Networks,
by Yu. G. Potapov, S. V. Yablonskiy.

RUSSIAN, per, Dok Ak Nauk, Ser. 3 Vol CXXXIV, No 3,
Sep 1960, pp 544-547.

Internat'l Phys Index
Automation Express
Vol III, No 5

Sci

Mar 61

143,826

Stability of a Cylindrical Shell Reinforced
by a Ring Under the Action of External Pressure,
by V. M. Darevskiy, R. I. Kshnyakin, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIV,
No 3, 1960, pp 548-.

AIP
Sov Phys - Dok
Vol V, No 5

Sci

152, 528

Apr 61

The Motion of Comet Encke-Backlund During 1898-
1911 and a New Determination of the Mass of
Mercury, by S. G. Makover, N. A. Bokhan, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIV,
No 3, 1960, pp 552-554.

AIP
Sov Phys - Dok
Vol V, No 5

Sci

Apr 61

152,486

Lead and Its Isotopic Composition in Iron
Meteorites, by I. E. Starik, E. V. Bobotovich,
G. P. Lovtsyus, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIV
No 3, 1960, pp 555-.

AIP
Sov Phys - Dok
Vol V, No 5

Sci

152,487

Apr 61

Potential Functions of Molecules of the Homologous Series $(\text{CH}_3)_n\text{SiH}_{4-n}$ ($n = 1-4$), by I. F. Kovalev, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIV, No 3, 1960, pp 559-562.

AIP
Sov Phys - Dok
Vol V, No 5

Sci

Apr 61

152,506

Reaction Forces Produced by Čerenkov Radiation
in a Crystal, by V. N. Kurdyumov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIV,
No 3, 1960, pp 563-566

AIP
Sov Phys - Dok
Vol V, No 5

152,507

Investigation of Surface Recombination in Organic Dye
Photoconductor Layers, by L. D. Rosenshtein,
A. T. Vartanyan, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIV,
No 3, 1960, pp 567-.

AIP
Sov Phys-Dok
Vol V, No 5

Sci

152,508

Apr 61

The Bauschinger Effect in Sliding Friction,
by A. S. Radchik, V. D. Evdokimov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIV,
No 3, 1960, pp 571-573.

AIP
Sov Phys - Dok
Vol V, No 5

Sci

Apr 61

152,522

Kinetics of the Fine Comminution of Quartz, by
G. S. Khodakov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIV,
No 3, 1960, pp 574-.

AIP
Sov Phys - Dok
Vol V, No 5

Sci

Apr 61

152, 523

On the Composition and Stability of Calcium
Silicate Hydrates Under Conditions of Hydrothermal
Treatment at 700 ATM and 200°, by P. P. Budnikov,
S. M. Royak, et al.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIV, No 3,
1960, pp 591-594.

ILL M. 3260

Sci - Chem

191,929

Apr 62

<p>Razuvayev, G. A., Latyayeva, V. N., and Vyshinskaya, L. I. SOME REACTIONS OF DICYCLOPENTADIENYLDI- PHENYL TITANIUM. [1960] 4p. Order from ATS \$5.75</p> <p>Trans. of Akademiya Nauk SSSR, Doklady, 1960, v. 134, no. 3, p. 612-614.</p>	<p>61-12360</p> <p>I. Titanium compounds (Organic)--Chemical reactions</p> <p>i. Razuvayev, G. A. ii. Latyayeva V. N. iii. Vyshinskaya, L. I. IV. ATS-64M46R V. Associated Technical Services, Inc., East Orange, N. J.</p> <p>Office of Technical Services</p>
---	---

147,072

(Chemistry--Organic, TT, v. 5, no. 5)

61-10634

Nesmeyanov, A. N., Nogina, O. V., and
Berlin, A. M.
THE REACTION OF CYCLOPENTADIENYL SODIUM
WITH ALKOXYTITANIUM CHLORIDES. [1961] [4]p.
10 refs.
Order from LC or SLA mi\$1.80, pt\$1.80 61-10634
Trans. of Akad[emiya] Nauk SSSR, Doklady, 1960,
v. 134 [no. 3] p. 607-608.

151800

1. Cyclopentadiene--
Chemical reactions
 2. Titanium chlorides--
Chemical reactions
 3. Sodium compounds
(Organic)--Chemical
reactions
- I. Nesmeyanov, A. N.
 - II. Nogina, O. V.
 - III. Berlin, A. M.

Office of Technical Services

(Chemistry--Organic, TT, v. 5, no. 9)

13 325

US-14

RAZUVAEV G. A., LATYAEVA V. N., VYSHINSKAYA L. I.

Some reactions of dicyclopentadienyldiphenyltitanium

Dokl. Akad. Nauk SSSR, 134, No. 3, 612-614 (1960)

ATS-64M46R. \$ 5.75 - English

E u r a t o m

The Thermodynamic Properties of Liquid Indium-
Bismuth Alloys, by N. V. Alekseyev, I. Gerasimov,
A. M. Evseyev, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIV,
No 3, 1960, pp 618-620.

CB

Sci

152,998

May 61

The Comparative Reactivities of the C-H and C-T Bonds in n-Heptane, Benzene, Toluene, Ethyl Benzene, and Cyclohexane in Liquid Phase Reactions With CH_3 Radicals, The Effect of a Phenyl Group and Aromatic Medium, by V. L. Antonovskiy, I. V. Berezin, L. V. Shevel'kova, 4 pp.

RUSSIAN, per, Dokl Ak Nauk SSSR, Vol. CXXXIV, No 3, 1960, pp 621-624.

Sci

CE

152,999

May 61

The Catalytic Activity of Tungsten Pentoxide,
by A. A. Balandin, A. A. Tolstoyatova, V.
Stahizhevskiy, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIV.
No 3, 625-628, 1960.

CB

Sci

May 61

153,000

The State of the Carbon in Liquid Cast Iron,
by A. A. Vertman, A. M. Sumarin, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIV,
No 3, 1960, 629-631.

CB

*prohibited
LE 3189*

Sci

May 61

153,001

The Dielectric Constant and Molecular Structure of
Solutions Having a Critical Region of Separation
into Layers, by N. N. Lomova, M. I. Shakhparonov,
4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIV,
No 3, 1960, pp 632-635.

CB

certified
2/2/61

Sci

153,007

May 61

Effect of Ionizing Gamma Radiation on the
Structural Mechanical Properties of Starch
Gels, by V. F. Oreshko, L. E. Chernenko,
N. G. Shakhova, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIV,
No 3, 1960, pp 636-638.

CB

Sci

153,008

May 61

<p>Nikonov, V. P. DISTRIBUTION OF ORGANIC CARBON, BITUMENS AND HEAVY HYDROCARBONS ALONG THE MESO- CENOZOIC SECTION OF THE EASTERN URAL RE- GION IN CONNECTION WITH OIL AND GAS OCCUR- RENCE. [1961] 5p. Order from ATS \$8.60</p>	<p>61-22386</p> <p>I. Nikonov, V. P. II. ATS-20NS1R III. Associated Technical Services, Inc., East Orange, N. J.</p> <p>ATS/RT-2803</p> <p>161867</p> <p>Office of Technical Services</p>
<p>Trans. of Akad[emiy] Nauk SSSR, Doklady, 1960, v. 134, no. 3, p. 654-657.</p>	
<p>DESCRIPTORS: *Petroleum, *Gases, Distribution, *Carbon, *Hydrocarbons, Organic compounds, *Bitumens.</p>	
<p>(Earth Sciences--Geology, TT, v. 6, no. 1)</p>	

61-22367

Radchenko, O. A.
PROBLEMS OF THE GEOCHEMISTRY OF POR-
PHYRINS IN CRUDE OILS. [1961] 5p.
Order from ATS \$7.00 ATS-21NS1R

Trans. of Akademiya Nauk SSSR, Doklady, 1960,
v. 134, no. 3, p. 684-687.

DESCRIPTORS: *Oils, *Porphyrins, *Geochemistry,
*Petroleum.

I. Radchenko, O. A.
II. ATS-21NS1R
III. Associated Technical
Services, Inc.,
East Orange, N. J.

ATS/KT-2801

161859

Office of Technical Services

(Earth Sciences--Geology, TT, v. 6, no. 1)

The Stimulation of Mitoses in the Intestinal Epithelium
Subsequent to Painful Stimulation of the Tongue, by
L. N. Zhinkin, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol. CXXIV, No 3,
1960, pp 694-696.

AIBS

Sci

Jul 61

163,610

The Structure and Formation of Lipid Inclusions, by
I. B. Tokin, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIV, No 3,
1960, pp 697-698.

AIBS

Sci

Jul 61

163,611

Sexual Ripening of the Maksun (*Coregonus maksun*
(Pall.)#] in the Case of Interruption of the
Spawning Migration, B by N. P. Botinov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIV, No 3,
1960, pp 699-701.

AIBS

Sci

Aug 61

163,615

The Physicochemical Changes Induced in DNA by
Ultrasonics, by G. A. Dvorkin, I. E. El'pinex,
3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIV,
No 3, 1960, pp 702-705.

AIP
Sov Phys - Dok
Vol V, No 5

Sci

AIBS 152, 532

Apr 61

Recovery From Primary Radiation Damage in Resting
Seeds as a Function of Water Content, by N. A.
Poryadkova, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, NVol CXXXIV,
No 3, 1960, pp 706-709

AIP
Sov Phys - Dok
Vol V, No 5

AIBS

152, 533

Sci

Apr 61

<p>Godnev, T. N. and Akulovich, N. K. THE NATURE OF THE PIGMENTS OF THE PROTO- CHLOROPHYLL GROUP [1960] [4]p. 10 refs. Order from LC or SLA mi\$1.80, ph\$1.80 61-10347</p> <p>Trans. of Akad(emija) Nauk SSSR, Doklady, 1960, v. 134 [no. 3] p. 710-712.</p>	<p>61-10347</p> <p>I. Chlorophylls--Properties I. Godnev, T. N. II. Akulovich, N. K.</p>
<p>146,968</p> <p>AIBS</p>	<p>Office of Technical Service</p>
<p>(Biological Sciences--Biochemistry, T1, v. 5, no. 5)</p>	

Biosynthesis of Orotic Acid From α -Ureido- β -
Methylsuccinic Acid and Aspartic Acid, by S. R.
Mardashev, S. S. Debov, L. M. Yarovaya, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIV, No 3,
1960, pp 713-716.

AIBS

Sci

Jun 61

155, 707

Effect of Temperature on the State of
Macromolecules of High-Polymeric Ribonucleic
Acid of Animal Tissues, by A. S. Spirin, L. S.
Mil'man, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIV, No 3,
1960, pp 717-720.

AIBS

Sci

155, 706

Jun 61

The Structure of Integumentary Tissues of Certain
Early-Flowering Far Eastern Plants in Relation to
Their Resistance to Sun Scald, by E. D. Taleisnik,
2 pp.

RUSSIAN, per, Dok Ak'Nuak SSSR, Vol CXXXIV, No 3,
1960, pp 721-723.

AIBS

Sci

May 61

Terminal Oxidases of Germinating Rice Grains, by
E. P. Aleshin, B. V. Filin-Koldakov, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIV, No 3,
1960, pp 724-726.

AIBS

Sci

May 61

Proteins of Tumorous Growths From Infections of
Potatoes With Synchytrium Endobioticum, by A. S.
Okanenko, B. I. Bershtein, 3 pp.

RUSSIAN, per, Dok Ak. Nauk SSSR, Vol CXXXIV,
No 3, 1960, pp 727-730.

AIBS

Sci

152,960

May 61

Assignment of Polychaete Larva of Rostraria Type
From Plankton of Norwegian and Barents Seas to
Species Euprosyne Borealis Oersted, 1843, and of
All Larvae of This Type to the Families Euprosynidae
and Amphinonidae (Polychaeta Errantia, Amphino-
morpha, by S. A. Mileikovskiy, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIV, No 3,
1960, pp 731-734.

AIBS

Sci

Aug 61

Assignment of Polychaete Larva of Rostratic Type
From Plankton of Norwegian and Barents Seas to
Species *Euprosyne borealis* Cuvier, 1803, and of
All larvae of this type to the Families Euprosynidae
and Amphinomidae (Polychaeta Errantia, Amphino-
morpha, by S. A. Mileikovskiy, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIV, No 3,
1960, pp 731-734.

AIBS

Sci

Aug 61

163,642

Differences in Rhythms of Life Cycles of Atlantic-
Scandinavian Herrings of Different Sizes, by D. A.
Shubnikov, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol. CXXXIV, No 3,
1960, pp 735-736.

AIBS

Sci

Jul 61

Optimal Control Systems With Distributed
Parameters, by A. G. Butkovskiy, A. Ya.
Lerner, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIV,
No 4, 1960, pp 778-781

AIP
Sov Phys - Dok
Vol 7, No 5.
OTS 62-10174
152,490

Sci

Apr 61

The Equations of Relaxation Hydrodynamics, by
E. V. Stupochenko, I. P. Stakhanov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIV,
No 4, pp 782-. 1960

AIP
Sov Phys - Dok
Vol V, No 5.

Sci

152,492

Apr 61.

Measurement of the Shear Stress in Various Substances
at Pressures up to 100,000 Atmospheres, by L. F.
Vereshchagin, E. V. Zubova, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIV, No 4,
1960, pp 737-738.

AIP
Sov Phys - Dok
Vol V, No 5

Sci

Apr 61

Chemical Shifts in Nuclear Magnetic Resonance
in Light of Recent Studies of Magnetic
Properties, by Ya. G. Dorfman, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIV,
No 4, pp 789-791. 1960.

AIP
Sov Phys - Dok
Vol V, No 5

Sci

Apr 61

152,509

Depolarization of Fluorescence of Solutions for
Excitation Energy Transfer by Radiation and
Radiationless Transfer, by P. I. Kudryashov,
B. Ya. Sveshnikov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIV,
No 4, 1960, pp 792-794.

AIE
Sov Phys - Dok
Vol V, No 5

Sci

152, 510

Apr 61

On Certain Phenomena, Observable During Deformation of Single Crystals of Antimony, by L. M. Soifer, V. I. Startsev, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIV, No 4, 1960, pp 795-798.

AIP
Sov Phys - Dok
Vol V, No 5

Sci

152, 511

Apr 61

Variations in the Intensity of the Line λ 6562A HI
in the Spectrum of the Nightglow of the Sky, by
L. M. Fishkova, G. V. Markova, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIV,
No 4, 1960, pp 799-.

AIP
Sov Phys - Dok
Vol V, No 5

Sci

152, 512

Apr 61

152, 512

Effect of Neutron Bombardment on the Fine
Crystal Structure and Properties of Metals
and Alloys, by I. V. Batenin, V. A. Il'ina,
V. K. Kritakaya, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIV,
No 4, 1960, pp 802.

AIP
Sov Phys - Dok
Vol V, No 5

Apr 61
Sci

152,524