

Immuno-Biological Study of the Process of Lens
Regeneration in Triton Taeniatus, by
O. E. Vyazov, M. V. Sazhina,

RUSSIAN, per, Zhur Obshch Biol, Vol XXII, No 4,
1962, pp 305-310. *906 9212*

USDA Tr A-1373

Sci - Biol
5 Sep 62
List 58

Dependence of the Intensity of Photosynthesis on
Temperature Gradient Between the Leaf and the
Surrounding Air, by V. S. Shaidurov.
RUSSIAN, per, Zhurnal Obschei Biol, Vol 23, No 2,
RNC/Ref: C-4788

Sci -
Aug 67

334,872

The Effect of Cosmic Radiation of Plant Activity,
by A. A. Shakhov, 20 pp.

RUSSIAN, per, Zhur Obsh Biol Vol XXIII, No 2,
1962, pp 81-89. 9678786

FTD-TT-62-771

Sci-Biol
Dec 62

217,574

CHARACTERISTICS OF THE ~~XX~~ AQUATIC FAUNA COMPOSITION
IN RELATION TO THE SALINITY OF THE MEDIUM, BY
V. V. KHLEBOVICH, 10 PP.

RUSSIAN, PER, ZHUR OBSHCHEY BIOL, VOL XXIII, NO 2,
1962, PP 90-97.

JPRS 20807

SCI - BIOL & MED SCI
AUG 63

342,823

XX
DEVELOPMENT OF GENERAL PROBLEMS OF BIOLOGY
IN RUSSIA, BY I. YE. AMLINSKIY, 12 PP.

RUSSIAN, PER, ZHUR OBSHCHEY BIOLOGII, VOL XXIII,
NO 5, 1962, PP 396-400.

JPRS 19357

SCI - BIOL

MAY 63

231,475

Effect of Exclusion of Light on Electrical Activity in Cortex and Reticular Formation of Rabbit Brain, by L. A. Novikova, V. I. Belyayev. 5 pp.
RUSSIAN, per, Zhurnal Vysshei Nervnoi Deyatel'-nosti, Vol 13, No 4, 1963, 715ff p.
FASEB

Sci/B&M
Jul 66

303,817

THEORETICAL ASPECTS OF THE CHEMICAL PROTECTION OF
MAMMALS FROM IONIZING RADIATION, BY E. YA.
GRAYEVSKIY, 25 PP.

RUSSIAN, PER, ZHURNAL OBSHCHEY BIOLOGII, VOL XXIV,
NO 1, 1963, PP 3-22.

JPRS 18918

SCI - BIOL-MED SCI

MAY 63

228,854

ANABIOSIS AND THE GENERAL PROBLEM OF LIFE,
BY A. M. GOLDOVSKIY, 30 PP.

RUSSIAN, PER, ZHURNAL OBSHCHEY BIOLOGII, VOL XXIV,
NO 2, 1963, PP 81-97.

JPRS 19994

SCI - BIOL/MED SCI

JUL 63

RXEBXXX

235,286

RXEBX

Earthworms - The Producers of Biologically
Active Substances., by K.I. Gavrilov.
RUSSIAN, per, Zhurnal Obshchei Biologii, Vol. 24, No. 2,
1963, pp 149-154.
NZDIA

Sci -
July 1967

334-635

STUDIES OF PROTECTION OF MAMMALS AGAINST RADIATION,
BY A. YA. GRAYEVSKIY, N. F. BARAKINA, ET AL, 17 PP.

RUSSIAN, PER, ZHURNAL OBSHCHEY BIOLOGII, VOL XXIV,
NO 3, 1963, PP 182-193.

JPRS 20964

BIOLOG MED
SEP 63

343,712

Regeneration of the Mamalian Brain After Mechanical Damage, by L. M. Belova. 23 pp.
RUSSIAN, per, Zhurnal Obshchei Biologii, Vol 24,
No 3, 1963, pp 215-220.
SLA TT-64-19226

Sci/B&M
Jul 66

303,801

TESTIS INJURY IN MATURE MICE AS A RESULT OF SINGLE
AND FRACTIONAL IRRADIATION DURING THE PERIOD OF
EMBRYONIC DEVELOPMENT, BY N. N. KUZNETSOVA, 5 PP

RUSSIAN, PER, ZHURNAL OBSHCHEY BIOLOGII, VOL XXIV,
NO 3, 1963, PP 221-225.

JPRS 20981

USSR
BIOL
SEP 63

343,240

Controversial Problems with Modern Teachings of Regeneration,
by A. N. Studitskiy, 27 pp.

RUSSIAN, per, Zhur Obshchey Biologii, Vol XXIV, No 4, Jul-Aug
1963, pp 241-260.

JPRS 22578

Sci-Biol & Med
Jan 64

246, 065

INFLUENCE OF CYSTEINE ON CYTOLOGICAL DAMAGE CAUSED
BY CO⁶⁰ GAMMA RAYS AND PROTONS DURING THE IRRADIA-
TION OF BARLEY SEED, BY N. I. NUZHDIIN, R. L.
DOZORTSEVA, ET AL, 20 PP.

RUSSIAN, PER, ZHUR OBSHCHEY BIOL, VOL XXIV, NO 4,
1963, PP 261-275.

JPRS 22147

SCI-BIOL & MED SCI
DEC 63

243,012

MODERN PROBLEMS IN PHYSIOLOGICAL STUDIES OF
INSTINCTS, BY A. D. SLONIM, 14 PP.

RUSSIAN, PER, ZHUR OBSHCH BIOL, NO 5, 1963,
PP 313-323.

JPRS 22230

SCI-BIOL
DEC 63

244,219

PROBLEMS OF SYSTEM ORGANIZATION IN THEORETICAL
BIOLOGY, BY K. M. KHAYLOV, 11 PP.

RUSSIAN, PER, ZHUR OBSHCH BIOL, NO 5, # 1963,
PP 324-333.

JPRS 22228

SCI-BIOL
DEC 63

244,217

DNA CONSTANCY IN RELATION TO NEW EVIDENCE CONCERNING
ITS CONTENT IN ISOLATED NUCLEI OF EMBRYOS OF PEKING
AND MUSK DUCKS AND THEIR F₁ HYBRIDS, BY YU A.
MAGAKYAN, 10 PP.

RUSSIAN, PER, ZHUR OBSHCH BIOL, NO 5, 1963,
PP 352-359.

JPRS 22229

SCI-BIOL
DEC 63

244,218

S-947/63

On the DNA State in Unfertilized Frogs Eggs, by
J. B. Zbarskiy, L. S. Mil'man. (~~SF-2877~~) (SF-2878)

RUSSIAN, per, Zhurnal Obshchey Biologii, Vol XXIV,
No 5, 1963, pp 380-381.

*JPRS

Sci - Biol & Med Sci
Oct 63

Cytological Analysis of the Radiosensitivity of Similar Tissues
in Different Species of Mammals, by G. A. Chudinovskaya,
O. N. Kitayeva, 813 pp.

RUSSIAN, per, Zhur Obsh Biol, Vol XXIV, No 6, 1963, pp 435-444.

JPRS 22778

Sci-Biol & Med

Jan 64

247, 079

Natural Radiometric and Its Effect on Various Biological
Objects and Systems, by Yu. B. Kudryashov, G. I. Gasanov,
et al, 19 pp.
RUSSIAN, per, Zhur ~~Obshch~~ Obshch Biolog, Vol XXV, No 1,
1964, pp 3-16.

JPRS 235107

Sci-Med
Mar 64

231,517

A Few Comments on the Problem of Systemic Organization
in Theoretical Biology, by B. G. Ioganzen, 5 pp.
RUSSIAN, per, Zhur Obshch Biolog, Vol XXV, No 1, 1964,
pp 18-21.

JPRS 23514

Sci-Med
Mar 64

251,518

Synthesis of Mediators of the Sympathetic
Nervous System and Pigmensation in the
Ontogenesis of Vertebrates, by N. S. Smitten,
RUSSIAN, per, Zh. Obshch. Biol., Vol XXV,
No 1, 1964, pp 51-61.
NASA TT F-10,952

Sci-B&M
Jul 67

332,887

Comparative Study of the Radiosensitivity of Genetically
Different Strains of Animals and Their Hybrids, by
I. S. Kurnishkov, 6 pp.
RUSSIAN, per, Zhur Obshch Biolog, Vol XXV, No 2,
m Mar, Apr 1964, pp 141-144.
JPRS 24803

Sci-Biol
Jun 64

260,427

Analysis of the Production Process in Populations
of the Simplest Structure, by N. Yu. Bekman,
V. V. Menshutkin, 18 pp.
RUSSIAN, per, Zhur Obshch Biolog. Vol XXV,
No 3, May, Jun 1964, pp 177-187.
JPRS 26245

Sci - B * M
Sep 64

266,824

Characteristics of the System of Sodium and
Lithium Transport Through the Wall of the
Frog Bladder, by V. G. Leont'yev, Yu. V. Narochnin,
11 pp.
RUSSIAN, per, Zhurnal Obshch Biolog, Vol XXV, No 3,
May, Jun 1964, pp 210-216.
JPRS 26246

Sci- B & M
Sep 64

366,815

Electron Microscopic Study of Myofilaments of the
Stimulated Muscle Fiber, by V. P. Gilev, 9 pp.
RUSSIAN, per, Zhur Obshch Biolog, Vol XXV,
No 3, May, Jun 1964, pp 217-223.
JPRS 26246

Sci - B & M
Sep 64

266,816

The Effect of a Permanent Magnetic Field on the
Motor Activity of Birds, by A. L. El'darov,
Yu. A. Kholodov, 9 pp.
RUSSIAN, per, Zhur Obshch Biolog, Vol XXV,
No 3, May, Jun 1964, pp 224-229.
JPRS 26246

Sci - B & M
Sep 64

266,8147

The Self-Regulating Capacity of Growing Liver
Tissue, by G. D. Tumanishvili, 14 pp.
RUSSIAN, per, Zhur Obshch Biol, Vol XXV, No 4,
Jul, Aug 1964, pp 267-276.
JPRS ~~27109~~ 27109

Sci - B & M
Jan 65

270,682

Influence of Temperature on the Accumulation of
Cistheamin in Cells and on Its Antiradial Activity,
by E. Ya. Graevskiy, M. M. Konstantinova, et al, 6 pp.
RUSSIAN, per, Zhur Obshch Biol, Vol XXV, No 4,
Jul, Aug 1964, pp 298-301.
JPRS 270109

Sci - B & M
Jan 65

270,683

Relative Biological Effectiveness of Protons With
Energy of 660 Mev., by M. D. Pomerantseva,
L. K. Ramiya, 13 pp.
RUSSIAN, per, Zhur Obshch Biol, Vol XXV, No 4,
Jul, Aug 1964, pp 302-310.
JPRS 27109

Sci - B &M
Jan 65

270,684

S-1112/64

(SF-3457)

Messenger RNA in Early Embryogenesis, by
A. S. Spirin, N. V. Belitsina. (AP-1413)

RUSSIAN, per, Zhur Obsh Biol, Vol XXV,
No 5, 1964, pp 321-337.

*JPRS 27804
6

Sci - Biol & Med Sci
Oct 64

Autoradiographic Investigations of Nuclei of
Root Meristem of Germinating Pea Seeds With
The Application of H^3 - Thymidine, by
Yu. F. Bogdanov, A. B. Iordanskiy. 9 pp.
RUSSIAN, per, Zhurnal Obshchei Biologii, Vol 25,
No 5, 1964, pp 357-367.
CPSTI TT 68-50418

sci/ b and m

spet 69

389,813

Alternation of Generations and Life Span of Rodents,
by S. S. Shvarts, B. G. Ishchenko, et al., 20 pp.
RUSSIAN, per, Zhurnal Obshchey Biologii, Vol XXV,
No 6, 1964, pp 417-432.
JPRS 28601

Sci-Bio& Med Sci
Mar 65

275,404

Effect of Rabbit Testicular Extract on Testicular Regeneration in the Rat, by R. G. Gachechiladze and G. D. Tumanishvili, 11 pp. RUSSIAN, per Zhurnal obshchey biologii, Vol XIV, No 6, 1964, pp 434-442.
JPRS 28600

USSR
Sci-Bio & Med Sci
Feb 65

275,405

Gustavson, G.
DECOMPOSITION OF HYDROCARBONS OF AMERICAN
AND CAUCASIAN PETROLEUM AT LOW TEMPERA-
TURES. [1962] 6p. 1 ref.
Order from OTS or SLA \$1.10

63-10346

Trans. of [Zhurnal Obshchey Khimii] (USSR) 1881,
v. 13, p. 149ff.

DESCRIPTORS: *Decomposition, *Hydrocarbons,
*Petroleum, Temperature, Pyrolysis, Aluminum com-
pounds, Bromides, Chemical reactions.

(Chemistry--Organic, TT, v. 9, no. 11)

63-10346

I. Gustavson, G.

Office of Technical Services

Sheshukova, M.

STUDY OF THE PRODUCTS OBTAINED BY THE
ACTION OF CHLORINE ON VARIOUS BUTYLENES.

[1963] 52p 42refs

Order from OTS, SLA, or ETC \$5.60 TT-64-10278

Trans. of [Russkoe Fiziko-Khimicheskoe Obshchestvo.
Zhurnal] 1884, v. 16, p. 478-511.

(Chemistry--Organic, TT, v. 11, no. 11)

TT-64-10278

I. Sheshukova, M.

Office of Technical Services

Smirnov, F. V.
THE ADDITION OF HYPOCHLOROUS ACID TO
ALLENE HYDROCARBONS, I. [1961] 15p. 11 refs.
Order from ES \$13.00

Trans. [Zhurnal Obshchei Khimii (USSR) 1903] v. 35,
p. 854-872.

DESCRIPTORS: *Allenenes, *Hypochlorous acid,
Chemical reactions.

(Unannounced)

61-25130

I. Smirnov, F. V.
II. Stux, Erica, Akron, Ohio

184183

Office of Technical Services

Volhonskii, E.
THE EQUILIBRIUM OF TWO SUBSTANCES IN A
MIXED BINARY SOLVENT. VIII. SYSTEM
 $\text{BaSO}_4 - \text{H}_2\text{SO}_4 - \text{H}_2\text{O}$. [1962] 22p. (figs. omitted)
6 refs.
Available on loan from SLA

63-10404

Trans. of [Zhurnal Obshchei Khimii] (USSR) 1909,
v. 41, p. 1763-1778 and 1910, v. 42, p. 1180-1194.

DESCRIPTORS: *Chemical equilibrium, Solvents,
*Barium compounds, Sulfates, *Sulfuric acid,
Water, Reaction kinetics.

(Chemistry--Physical, TT, v. 9, no. 7)

63-10404

I. Volhonskii, E.
II. Title: System..

Office of Technical Services

Arbuzov, A. Ye. and Dunin, A. A.
THE ACTION OF HALOGEN-SUBSTITUTED FATTY
ACID ESTERS ON THE ESTERS OF PHOSPHOROUS
ACID. [1961] [8]p. 2 refs.
Order from OTS or SLA \$1.10

61-16118

Trans. of [Zhurnal Obshchey Khimii] (USSR) 1914, v. 46
[no. 2] p. 295-302.

DESCRIPTORS: *Fatty acid esters, *Phosphorus
compounds, Esters, Chemical reactions, *Halides.

(Unannounced)

61-16118

I. Arbuzov, A. Ye.
H. Dunin, A. A.

184024

Office of Technical Services

Determination. Classification and Evaluation of
Rubbers, by I. I. Ostromislenskiy, 20 p.

RUSSIAN, per, Zhur Obshchey Khimii, 19⁶⁵
Vol XLVII, pp 1374-1401.

SLA 59-10697

Sci
Jan 60
Vol 2, No 5

104,590

On Two New Rubber Constants: "Elasticity Point"
and "Dead Temperature", by I. I. Ostromislenskaya,
I. M. Kalbasinskaya, 30 pp.

RUSSIAN, per, Zhur Obshch Khim USSR, Vol XLVII,
1915, pp 1401-1441.

SLA 59-10675

Sci
Dec 59
Vol 2, No 4

103,124

New Methods of Obtaining Erythrene, by I. S. I.
Ostromislenskiy, 17 pp.

RUSSIAN, per, Zhur Obshchey Khim USSR, Vol XLVII,
1915, pp 1472-1494.

SLA 59-10678 [✓]

Sci - Chem

8 Dec 59

Vol 2, No4

102, 758

On Vulcanization of Synthetic Rubbers, by I. I.
Ostromislenskiy, 11 pp.

RUSSIAN, per, Zhur Obshch Khim USSR, Vol XLVII,
1915, pp 1441-1453.

SLA 59-10676

Sci
Dec 59
Vol 2, No 4

103, 117

On the Condensation of a Mixture of Acetic Aldehyde
and Ethyl Alcohol into Erythrose, by I. I. Ostromisl-
skiy, S. S. Klebasinskiy, 19 pp.

RUSSIAN, per, Zhur Obshch Khim. Vol XLVII, 1915.
pp 1509-1528.

SLA 59-10680

Sci
Dec 59
Vol 2, No 5

103, 518

On the Condensation of Alcohols and Aldehydes in
Presence of Water-Eliminating Substances and on
the Mechanism of This Process, by I. I. Ostromislenskiy, 9 pp.

RUSSIAN, per, Zhur Goshchey Khim SSSR, Vol XLVII,
1915, pp 1494-1506.

SLA 59-10678

Sci - Chem

Dec 59

Vol 2, No 4

102,759

Ostromyslenskii, I. I. and Rabinovich, P. N.
NORMAL PROPYL OR ISOPROPYL ALCOHOL AND
ACETALDEHYDE: A NEW METHOD OF PREPARA-
TION OF 1,3-PENTADIENE. Pt. 2 of Condensation
of Alcohols with Aldehydes. [1961] 2p. 1 ref.
Order from OTS or SLA \$1.10

61-18136

Trans. of [Zhurnal Obshchei Khimii] (USSR) 1915,
v. 47, p. 1507-1509.
Another trans. is available from LC or SLA at \$1.80.
ph\$1.80 as 59-10679 [1958] 2p.

DESCRIPTORS: Alcohols, Condensation, Aldehydes,
Chemical reactions, Pentadienes.

For abstract see Technical Translations 2: 405, 1959.

(Unannounced)

61-18136

- I. Ostromyslenskii, I. I.
- II. Rabinovich, P. N.
- III. Title: New ...
- IV. Title: Condensation ...

Office of Technical Services

On the Polymerization of Isoprene, Divinyl and
Dimethylethylene Into Rubber or Into Its
Homologues, by I. Ostromislenskiy, 33 pp.

RUSSIAN, per, Zhur Obshch Khim USSR, Vol XLVIII,
1916, pp 1071-1114.

SLA 59-10759

Sci
Dec 59
Vol 2, No 4

103,123

Chichibabin, A. E. and Bukhol'ts, L. A.
C -AMINONICOTINE, II. [1962] 7p.
Order from K-H \$8.75

K-H 5398-a

Trans. of [Zhurnal Obshchei Khimii] (USSR) 1920,
v. 50, p. 548-552.

DESCRIPTORS: *Amines, *Nicotine.

(Unannounced)

62-17885

- I. Chichibabin, A. E.
- II. Bukhol'ts, L. A.
- III. K-H-5398-a
- IV. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

Office of Technical Services

Formation of Mercaptan Upon Action of Phosphorous
Pentaculfide on Alcohol, by P. B. Piskunova, 3 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol LVI, 1925,
pp 11-14.

LC or SLA 59-10068

Sci - Chemistry
Feb 59

81,555

1.80

Kolosovskii, N. A. and Udovenko, V. V.
HEAT CAPACITY OF SATURATED VAPORS AT
THE BOILING POINT, II. [1961] 7p. 11 refs.
Order from OTS or SLA \$1.10

61-18143

Trans. of Zhurnal Obshchei Khimii (USSR) 1931,
v. 1, p. 255-262.

DESCRIPTORS: Vapors, Thermodynamics, Heat
tolerance, Boiling.

(Unannounced)

61-18143

I. Kolosovskii, N. A.
II. Udovenko, V. V.

Office of Technical Services

Decomposition of Ortho Esters of Monosilane
on Heating Under Pressure and Splitting Out of the
Free Silicon, by D. N. Dolgov, Yu. N. Vol'nov.
RUSSIAN, per, Zhur Obshchei Khimii, Vol I, I,
No 2, 1931, pp 330-339.
SLA TT 64-30152

May 67 325,053

Arsinosulphides of the Aliphatic and Aromatic
Series, by A. R. Kremov, A. J. Berlin.

RUSSIAN, per, Zhur Obshch Khim, Vol I, No 3/4,
1931, pp 411-.

DSIR LLU M.1860
(loan)

Sci - Chem

Oct 60

128,909

Chlorination of Milk of Lime of High Concentration
for Production of Chlorates, 4 pp.

RUSSIAN, per, Zhur Obshchei Khim, Vol VII, 1930,
pp 2039-2042.

S.L.A. Tr No R-325

Sci - Chemistry - inorganic
Apr 57

46,875

Dolgov, B. and Volnov, Yu.
HYDROGENATION AND REARRANGEMENT OF THE
DERIVATIVES OF MONO-SILANE, REPT. 2 on
Research in the Field of Silico-Organic Compounds.
[1963] 21p. 18 refs.
Order from OTS or SLA \$2.60

63-16803

Trans. of Zhur[nat] Oshchebi Khim[i] (USSR) 1931,
v. 1, p. 91-104.

DESCRIPTORS: *Silanes, *Molecular structure,
Benzenes, Alcohols, Phenyl radicals, Phenols, Cya-
nates, Oils, Pressure, Hydrogenation.

(Chemistry--Organic, TT, v. 10, no. 8)

63-16803

I. Dolgov, B.
II. Volnov, Yu.
III. Title: Research ...

Office of Technical Services

Mercurio-Organic Derivatives of Benzoic Acid, by
A. N. Nesmeianov, L. G. Makarova, 50 pp.

Full translation.

RUSSIAN, no per, Zhur Obshch Khim, Vol I, No 5, 1931,
pp 598-615.

CIA/FDD/X-860

USBR

Scientific - Chemistry

2800
Jun 53 CTS

Lozovoi, A. V.
THE THERMIC POLYMERIZATION OF ACETYLENE
IN THE PRESENCE OF ZINC CHLORIDE. [1962] 21p.
30 refs.

Order from OTS or SLA \$2.60

63-10420

Trans. of Zhurnal Obshchei Khimii (USSR) 1931, v. 1,
no. 6, p. 717-728.

DESCRIPTORS: *Acetylenes, *Zinc compounds,
Chlorides, *Polymerization, Heat treatment, Benzenes,
Reaction kinetics, Catalysts, Tests, Chemical analysis,
Pyrolysis.

(Chemistry--Physical, T1, v. 10, no. 1)

63-10420

I. Lozovoi, A. V.

Office of Technical Services

Diffusion of Gases Under Pressure, by V. V.
Ipat'ev, V. I. Tikhomirov, 12 pp.

RUSSIAN, per, Zhur Obshchei Khim, Vol I, 1931,
pp 736-739.

AEC Tr-4307

Sci - Chem
21 Feb 61

140,951

Excerpt from Methanol Catalyzers, by V. A. Plotnikov,
K. N. Ivanov, 2 pp.

per, 2 pp
RUSSIAN, *per, 2 pp* Obshchei Khim, Vol I, 1931, pp 826-844.

SIA/R-2628

Sci
Apr 59

84,890

The Question of Allotropy of Phosphorus, II. The
Rate of Conversion of White Phosphorus into Red
Phosphorus, by A. A. Vvedenskiy, A. V. Frost, 15 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol I, 1931, pp
917-925.

SLA R-2817

Sci

Jul 59

13

92, 358

The Oxidation of Phosphorous Acid by Water in the
Presence of Colloidal Metals, by A. A. Vvedenskiy,
A. V. Frost, 7 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol I, 1931,
pp 1108-1113.

SLA/R-2587

Sci
Apr 59

84,439

Drozdov, N. S.
CONDENSATION OF FORMALDEHYDE WITH
AROMATIC AMINES. [1963] 6p.
Order from ATS \$10.75

ATS-25Q70R

Trans. of Zhurnal Obshch[ei] Khim[i] (USSR) 1931,
v. 1, no. 10, p. 1171-1176.

DESCRIPTORS: *Amines, *Formaldehyde, Condensation
reactions.

(Chemistry--Organic, TT, v. 10, no. 8)

63-17758

I. Drozdov, N. S.
II. ATS-25Q70R
III. Associated Technical
Services, Inc.,
East Orange, N. J.

Office of Technical Services

Determination of the Heat of Combustion of
Halogenated Organic Compounds, by I. A. Kablukov,
F. M. Perel'man, UNCLASSIFIED

RUSSIAN, per, Zhur Obshch Khim, ^{Vol} No 1, 1931,
pp 1249-1257.

18,100

Assoc Tech Ser,
RJ-180

Scientific - Chemistry

Price: \$14.50 (\$2.45)

Akhumov, E. I. and Vasil'ev, B. B.
OVER HET ONDERZOEK VAN WATERIGE OPLOS-
SINGEN BIJ VERHOOGDE TEMPERATUREN.
2. HET EVENWICHT IN HET QUATERNAIRE SYS-
TEEM KCl-NaCl-MgCl₂-H₂O (Aqueous Solutions at
High Temperatures. II. Equilibrium in the Quaternary
System KCl-NaCl-MgCl₂-H₂O). 12p. MTWL: 23.

(text in Dutch).

Order from OTS or ETC \$1.85

61-17687

Trans. of Zhurnal Obshchei Khimii (USSR) 1932, v. 2,
p. 282-289.

DESCRIPTORS: *Salts, Solutions, Chemical equilibri-
um, *Phase studies, Sodium compounds, Potassium
compounds, Chlorides, Magnesium compounds.

61-17687

I. Akhumov, E. I.

II. Vasil'ev, B. B.

III. MTWL-23

IV. Stichting Moeilijk

Toegankelijke Wetenschap-
pelijke Literatuur

Office of Technical Services

Esters of Pyrophosphorous, Hypophosphoric, and
Pyrophosphoric Acids. III. Diethyl Phosphorous
acid Chloride and Preparation of the Ethyl Ester
of Pyrophosphorous Acid Therefrom, by A. E.
Arbuzov, B. A. Arbuzov, 6 pp.

RUSSIAN, per, Zhurnal Obshchei Khimii, Vol II,
No 4, 5, 1932, pp 371-375.

Sci Tr Center RT 3595
36/146

Chemistry

Jun 56 CTS

Oxidation of Phosphine with Oxygen and Air ^B
in the Presence of Hydrogen, by I. N. ~~Wush-~~
makin, A. A. Vvedenskiy and A. V. Frost, 7
pp.

RUSSIAN, per, Zhur Obshch Khim, Vol II, 1932
pp 415-420.

SLA R-2287

Sci

Aug 58

72,120

The Rate of Solution of Oxygen in Water and in
Solutions of Substance that React with Oxygen and
the Effect of Liquid Surface Films on Said Solubility,
by S. A. Voznesenskiy, L. A. Klyucharev, 10 pp.

RUSSIAN, per, Zhur Obsheh Khim, Vol II, No 6, 1932,
pp 506-514.

Assoc Tech Serv-RJ 646

Sci

Apr 59

84,438

Preparation of Phosphonium Compounds With an
Asymmetric Phosphorus Atom, by Gil'm Kanai.

RUSSIAN, per, Zhur Obsh Khim, Vol II, No 6, 1932,
pp 524-528.

NLL RPS 2226 (*Loan*)

Sci - Chem
Feb 64

248,407

Chemical Equilibria of Reactions Between Hydrocarbons, II. Constant of Equilibrium of Reaction $2C_6H_6$ Goes Reversibly Into $C_6H_5C_6H_5$ Plus H_2 , by A. A. Vvedenskiy, A. V. Proet, 18 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol II, 1932, pp 542-552.

AEC 3326

Sci - Chem

74, 475

Oct 58

2-Amino-Resorcinol and Its Derivatives, by M. V.
Likhoshesterov, V. E. Zhabotinskaya, 8 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol II, 1932,
pp 761-769.

A.E.R.E. Tr 11/3/5/351

Scientific - Chemistry

CTS/DEX

11/3/5/351 7291

Isomerization of α -Pinene Into an Aliphatic
Terpene. Communication I., by V. A. Arbusov, 11 pp.

RUSSIAN, per, Zhur Obshchei Khim., Vol III, No 1,
1933, pp 21-27.

Sci Tr Center
RT - 3598

Sci - Physics

Aug 1956

37,171

Electrochemical Reduction of Pyridine, by
N. S. Drozdov, 11 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol III, 1963, No 3,
pp 351-359.

AEC-tr-6097

Sci- Chem
Jan 64

248,359

Oxidation of Nitric Oxide to Nitrogen Pentoxide by
Means of Ozone in the Silent Electric Discharge,
by N. I. Kobozev, M. Tsukin, S. ~~Shchegolev~~, 8 pp.

Freiburg
RUSSIAN, per, Zhur Obshchei Khim, Vol III, 1933,
pp 534-539.

SLA R-2968

Sci

Jul 59

92, 343

On the Question of the Anodic Passivity of Lead,
by P. P. Porfirov, 9 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol III, No 5,
1933, pp 590-595.

Def Sci Info Sv
DRB Canada T 106 R

Scientific - 54/0785

USSR
Scientific - Chemistry

9117

CIA 2201692

Jan 54 CTS

Korotkov, P. M. and Sokolov, N. K.
CONDUCTIVITY OF POTASSIUM AND SODIUM HY-
DROXIDE SOLUTIONS AT ELEVATED TEMPERA-
TURES. [1964] 11p (tables figs omitted)
Order from OTS, SLA, or ETC \$1.60 TT-64-10763

Trans. of Zhurnal Obshchei Khimii (USSR) 1933, v. 3,
p. 670-678.

(Chemistry--Physical, TT, v. 11, no. 12)

TT-64-10763

I. Korotkov, P. M.
II. Sokolov, N. K.

Office of Technical Services

Lebedev, S. V.
PREPARATION OF BUTADIENE DIRECTLY FROM
ALCOHOL. [1961] 25p. 29 refs.
Order from OTS or SLA \$2.60

61-18060

Trans. of Zhurnal Obshchei Khimii (USSR) 1933, v. 3,
p. 698-717.

DESCRIPTORS: Butadienes, Synthesis, Alcohols.

(Unannounced)

61-18060

I. Lebedev, S. V.

Office of Technical Services

TT-61-16675

Dintses, A. I. and Frost, A. V.
KINETICS AND MECHANISM OF DECOMPOSITION OF
HYDROCARBONS. I. THERMAL DECOMPOSITION OF
HEXANE UNDER ATMOSPHERIC PRESSURE. 12p
27refs

Order from OTS, SLA, or ETC \$1.60 TT-61-16675

Trans. of ~~Zhurnal Obshchei Khimii~~ (USSR) 1933, v. 3,
p. 747-758.

I. Dintses, A. I.
II. Frost, A. V.
III. Title: Thermal ...

(Chemistry--Organic, TT, v. 12, no. 4)

Office of Technical Services

Lebedev, S. V. and Livshitz, I. A.
INVESTIGATION IN THE DOMAIN OF POLYMERIZA-
TION. ARTICLE 14. DEPOLYMERIZATION OF TRI-
ISOBUTYLENE, 23p. MTWL: 174.
Order from OTS or ETC \$1.91

61-17840

Trans. of Zhurnal Obshchei Khimii (USSR) 1934,
v. 4, no. 1, p. 13-22.

DESCRIPTORS: *Butenes, *Polymers, Polymerization.

OTS-61-17840

61-17840

- I. Lebedev, S. V.
- II. Livshitz, I. A.
- III. MTWL-174
- IV. Stichting Moelijk
Toegankelijke Wetenschap-
pelijke Literatuur

Office of Technical Services

Lebedev, S. V. and Slobodin, Ya. M.
ISOMERIZATION OF HYDROCARBONS OF THE
DIALLYL SERIES BY SILICATES. [1961] 7p 18 refs
Order from OTS, SLA, or ETC \$1.10 TT-61-16615

Trans. of Zhurnal Obshchei Khimii (USSR) 1934,
v. 4 [no. 1] p. 23-30.

Another trans. is available from SLA as
SLA-R-3964, 8p.

DESCRIPTORS: *Dienes, Molecular isomerism,
*Butanes, Bromination, Grignard reactions, *Butenes,
*Butadienes, Synthesis (Chemistry), Polymerization,
*Silicates, Allyl radicals.

(Chemistry--Organic, TT, v. 11, no. 3)

TT-61-16615

I. Lebedev, S. V.
II. Slobodin, Ya. M.
III. SLA-R-3964

Office of Technical Services

Solubility of Hydrogen in Water Under Pressure at
High Temperatures, by V. Ipatev, E Jr, V. P. Teodorovich,
7 pp.

RUSSIAN, Zhur Obshch Khim, Vol IV, No 3, 1934,
pp 395-399.

CIA/PDD/X-1292

Scientific - Chemistry
CTS/DEX

11,120

Slobodin, Ya. M.

ISOMERIZATION OF ALLENE HYDROCARBONS BY SILICATES. I. ISOMERIZATION OF UNSYMMETRICAL DIMETHYLALLENE UNDER THE ACTION OF FLORIDIN. [1961] 6p. 18 refs.

Order from OTS or SLA \$1.10

61-18131

Trans. of Zhurnal Obshchei Khimii (USSR) 1934, v. 4, p. 778-782.

DESCRIPTORS: Isomeric transitions, Allenes, Hydrocarbons, Silicates, Methyl radicals, Fluorides.

(Unannounced)

61-18131

- I. Title: Floridin
- I. Slobodin, Ya. M.
- II. Title: Isomerization ...

Office of Technical Services

Thermal Decomposition of Cyclohexanes, bt N. D.
Zelinskiy, B. M. Mikhailov, et al. 9 pp.
RUSSIAN, per, Zhurnal Obshchei Khimii, Vol 4,
1934, pp 856-865.
OTS-TT-61-16969
SLA

Sci/Chemistry
Jul 66

306,001

Nametkin, S. S. and Zvorykina, V. K.
NEUTRAL PRODUCTS OF OXIDATION OF PETRO-
LEUM HYDROCARBONS BY OXYGEN OF THE AIR.
[1961] 10p. 9 refs.
Order from OTS or SLA \$1.10

61-18184

Trans. of Zhurnal Obshchei Khimii (USSR) 1934, v. 4,
p. 906-914

DESCRIPTORS: Petroleum, Hydrocarbons, Oxidation,
Oxygen

(Unannounced)

61-18184

I. Nametkin, S. S.
R. Zvorykina, V. K.

Office of Technical Services

Drozdov, N. S. and Cherntsov, O. M.
THE REACTION OF SOME SECONDARY AMINES
WITH EPICHLOROHYDRIN. [1963] 10p. 19 refs.
Order from OTS or SLA \$1.10 63-14558

Trans. of [Zhurnal Obshchei Khimii] (USSR) 1934,
v. 4, no. 7, p. 969-974.

DESCRIPTORS: Chemical reactions, *Amines,
*Halohydrins, *Chlorides, Ethyl radicals, Methyl
radicals, Piperidines, Propanols, Ammonia, Poly-
merization.

At the condensation of diethyl--and dimethylamine and
piperidine with epichlorohydrin one obtains the cor-
responding chloropropanol together with a small amount
of products which contain the chlorine ion. These
latter ones continue to be formed if the reaction mass
is allowed to stand for a longer period of time. Under
(Chemistry--Organic, TT, v. 10, no. 4) (over)

63-14558

I. Drozdov, N. S.
II. Cherntsov, O. M.

Office of Technical Services

Vvedenskiĭ, A. A. and Ivannikov, P. Ya.
CHEMICAL EQUILIBRIA IN REACTIONS OF HYDRO-
CARBONS. VII. EQUILIBRIA IN THE REACTIONS
 $C_6H_{14}-C_6H_{12}H_2$ AND $C_6H_{18}-C_6H_{16}H_2$. 5p 11refs
Order from OTS, SLA, or ETC \$1.10 TT-61-16990

Trans. of Zhurnal Obshchei Khimii (USSR) 1934, v. 4
[no. 7] p. 975-978.

(Chemistry--Organic, TT, v. 12, no. 4)

TT-61-16990

I. Vvedenskiĭ, A. A.
II. Ivannikov, P. Ya.
III. Title: Equilibria ...

Office of Technical Services

Shoraigin, P. P. and Kreshkov, A. P.
OXIDATION OF HYDROXY ACIDS OBTAINED BY
OXIDATION OF PARAFFIN WAX WITH AIR. [1961]
16p. 3 refs.

Order from LC or S.A. ml\$2.40, pb\$3.30 61-10795

Trans. of Zhurnal Obshchey Khimii (USSR) [1931] v. 4,
p. 983-994.

61-10795

1. Synthetic waxes--Oxidation
2. Organic acids--Chemical reactions

- I. Shoraigin, P. P.
- II. Kreshkov, A. P.

10/15

Office of Technical Services

(Unannounced)

Kolosovskii, N. A., and Udovenko, V. V.
HEAT CAPACITY OF LIQUIDS, II [1961] 6p
Order from OTS, SLA or ETC \$1.10 TT-61-16817

Trans. of Zhurnal Obshchei Khimii (USSR)
1934, v. 4, p. 1027-1033.

DESCRIPTORS: *Thermochemistry, Liquids,
Hydrocarbons, Halogen compounds, Oxygen compounds,
Nitrogen compounds, Equations.

(Chemistry--Physical, TT, v. 11, no. 3)

TT-61-16817

I. Kolosovskii, N. A.
II. Udovenko, V. V.

Office of Technical Services

См. также: Система Голубица, 1950, by A. V.
Novoselova, 10 pp.

См. также: Система Голубица, Vol. IV, 1954,
pp. 1200-1210.

ADD NP-12-295

Jan 60

105,547

62-10121

Levin, R. Ya. and Isenkov, E. P.
CONTACT CONVERSION OF VINYL CYCLOHEXANE,
ALLYLCYCLOHEXANE AND ALLYLBENZENE [paper]
[The Russian version of this paper is in
Vysokomol. Soedin., 1964, 6, 10, 1800-1801.]

1. Levin, R. Ya.
2. Isenkov, E. P.

Trans. of Zhurnal Obshchei Khimii, 1964,
34, no. 9, p. 2294-2297.
Another translation of this paper is in Soviet
USSR, No. 9, 1964, 1964, 14, 10, 1800-1801.

DESCRIPTORS: Cyclohexanes, Vinyl radicals, Allyl
radicals, Benzenes, Catalysts, Molecular isomerism.

The ability of unsaturated cyclic six-member rings
carbons with a double bond in the side chain (vinyl
cyclohexane and allylcyclohexane) to enter into a re-
action of a reversible catalysis is demonstrated. A
catalytic isomerization of allylbenzol into propenyl
(Chemistry of Organic, 11, no. 9, no. 6) (over)

Office of Technical Services

Likhoshesterov, M. V., Petrov, A. A., and Alekseev, S. V.

FORMATION OF PHENOLS IN CATALYTIC DECOMPOSITION OF ETHYL ALCOHOL BY THE METHOD OF S. V. LEBEDEV. [1961] 7p 26refs
Order from OTS, SLA, or ETC \$1.10 TT-61-16830

Trans. of Zhurnal Obshchei Khimii (USSR) 1934, v. 4, p. 1274-1278.

DESCRIPTORS: *Phenols, Ethyl radicals, *Cresols, Synthesis (Chemistry), *Ethanol, Catalysis, Degradation, *Phenolic plastics.

(Chemistry--Organic, TT, v. 11, no. 3)

TT-61-16830

I. Title: Philorol

I. Likhoshesterov, M. V.

II. Petrov, A. A.

III. Alekseev, S. V.

IV. Lebedev, S. V.

Office of Technical Services

Kazaryan, L.
A NEW WAY OF USING CALCIUM CARBIDE
(PRELIMINARY REPORT). 6 Dec 51, 10p. 6 refs.
Order from OTS or SLA \$1.10 62-20150

Trans. of Zhurnal Obshchei Khimii (USSR) 1934, v. 4,
no. 10, p. 1347-1352.

DESCRIPTORS: *Calcium compounds, *Carbides,
Acetylenes, Alcohols, Chemical reactions.

(Chemistry--Organic, TT, v. 10, no. 2)

62-20150

I. Kazaryan, L.

Office of Technical Services

Borisov, P. P., Shachnazarova, E. M., and
Margolis, E. E.
THERMAL DECOMPOSITION OF HYDROCARBONS.
[1962] 7p. 10 refs.
Order from OTS or SLA \$1.10 63-10370

Trans. of Zhurnal Obshchei Khimii (USSR) 1934, v. 4,
no. 10, p. 1385-1389.

DESCRIPTORS: *Hydrocarbons, *Pyrolysis,
Decomposition, Chemical analysis.

(Chemistry--Physical, TT, v. 9, no. 12)

63-10370

I. Borisov, P. P.
II. Shachnazarova, E. M.
III. Margolis, E. E.

Office of Technical Services

Slobodin, Ya. M.
ISOMERIZATION OF ALLENE HYDROCARBONS
WITH SILICATES. II. ISOMERIZATION OF
METHYLALLENE UNDER THE ACTION OF
FLORIDIN. [1961] 6p. 12 refs.
Order from OTS or SLA \$1.10

61-18130

Trans. of Zhurnal Obshchei Khimii (USSR) 1935,
v. 5, p. 48-52.

DESCRIPTORS: Hydrocarbons, Isomeric transitions,
Allenes, Methyl radicals, Fluorides, Silicates.

(Unannounced)

61-18130

- I. Title: Floridin
- I. Slobodin, Ya. M.
- II. Title: Isomerization of
Methylallene...

Office of Technical Services

Tsukervanik, I.
CONDENSATION OF ALCOHOLS WITH AROMATIC
HYDROCARBONS IN THE PRESENCE OF ANHY-
DROUS ALUMINUM CHLORIDE. I. CONDENSATION
OF TERTIARY ALIPHATIC ALCOHOLS WITH
BENZENE AND TOLUENE. [1961] 4p. 19 refs.
Order from OTS or SLA \$1.10 61-18116

Trans. of Zhurnal Obshchei Khimii (USSR) 1935,
v. 5, p. 117-120.

DESCRIPTORS: Alcohols, Hydrocarbons, Benzenes,
Toluenes, Aluminum compounds, Chlorides, Con-
densation reactions.

(Unannounced)

61-18116

I. Tsukervanik, I.
II. Title: Condensation of
Tertiary...

Office of Technical Services

Investigation of the Function of Catalytic Factors
on Thermal Cracking of Methane, by N. I. Kobozev,
XXXX L. I. Kashtanov, S. M. Kobrin, 13 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol V, 1935, pp
143-148.

Assoc Tech Serv

Sci

Aug 58

K-H-1338 F

73, 576

A Study of Chain Processes in the Reaction Between Sulfur Dioxide and Ozone. E. Stoichiometry in the Oxidation of Sulfur Dioxide with Ozone in Aqueous Solution, by S. S. Vasil'ev, M.V. Frolov, L. L. Kashtanov, T. L. Kastorskaya, 7 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol V, 1935, pp 149-154.

SLA/R-2539

Sci
Apr 59

84,436

Equilibrium in the System Sodium Oxide-
Hydrofluoric Acid-Water, by N. D. Nagor-
skaya and A. V. Novoselova, 4 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol V,
1935, pp 182-184.

SLA R-2265

Sci

Aug 58

72,140

Krauze, M. V., Nemtsov, M. S., and Soskina, E. A.
BESTUDERING VAN DE PYROGENETISCHE CONDENSATIEREACTIES VAN KOOLWATERSTOFFEN.
II. KINETICA DER POLYMERISATIE, EN ONTLEDING VAN AETHEEN (Pyrogenetic Reactions of Polymerization of Hydrocarbons. II. Kinetics of Polymerization and Decomposition of Ethylene) 21 p. 39 refs.
MTWL: 137, (text in Dutch).
Order from OTS or ETC \$1.85

61-17721

Trans. of Zhurnal Obshchei Khimii (USSR) 1935,
v. 5, p. 343-355.

DESCRIPTORS: *Ethylenes, *Polymerization, *Decomposition, Pyrolysis, Chemical reactions.

61-17721

- I. Krauze, M. V.
- II. Nemtsov, M. S.
- III. Soskina, E. A.
- IV. MTWL-137
- V. Stichting Moeilijk Toegankelijke Wetenschappelijke Literatuur

Office of Technical Services

Kireev, V. A., Kaplan, S. I. and Romanchuk, M. A.
SOLUBILITY OF ETHYLENE, PROPENE AND
BUTENE IN SOME SOLVENTS AT TEMPERATURES
OF FROM -20 to +40° AND PRESSURES BELOW
ONE ATMOSPHERE, V. 7p 4refs
Order from OTS, SLA, or ETC \$1.10 TT-61-16833

Trans. of Zhurnal Obshchei Khimii (USSR) 1935, v. 5,
p. 444-449.

(Chemistry--Organic, TT, v. 12, no. 4)

TT-61-16833

I. Kireev, V. A.
II. Kaplan, S. I.
III. Romanchuk, M. A.

Office of Technical Services

Polymerization Ability of Substituted Styrenes and
Their Structure, by P. P. Shorygin, N. V. /Shorygina,
12 pp UNCLASSIFIED

RUSSIAN, per, Zhur Obshch Khim, Vol V, No 4,
~~1935~~ 1935, pp 555-561.

Sci Tr Center
RT-1012

Scientific - Chemistry

15,352

Tsukervanik, I. and Tokareva, K.
CONDENSATION OF ALCOHOLS WITH AROMATIC
HYDROCARBONS IN THE PRESENCE OF ALUMINUM
CHLORIDE. II. CONDENSATION OF SECONDARY
ALCOHOLS WITH BENZENE AND TOLUENE. [1961]
3p. 4 refs.

Order from OTS or SLA \$1.10

61-18115

Trans. of Zhurnal Obshchei Khimii (USSR) 1935, v. 5,
p. 764-766.

DESCRIPTORS: Condensation reactions, Alcohols, Hy-
drocarbons, Aluminum compounds, Chlorides, Ben-
zenes, Toluenes.

(Unannounced)

61-18115

I. Tsukervanik, I.
II. Tokareva, K.
III. Title: Condensation ...

Office of Technical Services