

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 20931

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  $Co^{60}$  GAMMA RAYS AND PROTONS DURING THE IRRADIA-  
TION OF BARLEY SEED, BY N. I. NUZHDIK, R. L.  
DOZORTSEVA, ET AL, 20 PP.

RUSSIAN, PER, ZHURNAL 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, M 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 F<sub>1</sub> 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-2877)

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, 13 pp.**

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

**JPRS 22778**

**Sci-Eicl & Med**

**Jan 64**

**247, 079**



Natural Radiomimetic 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

251,517

**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 Pigmentation 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-BQM  
Jul 67

332,887

**Comparative Study of the Radiosensitivity of Genetically  
Different Strains of Animals and Their Hybrids, by  
I. S. Kuratshkov, 6 pp.  
RUSSIAN, per, Zhur Obshch Biolog, Vol XXV, No 2,  
in 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  
Lifelin Transport Through the Wall of the  
Frog Bladder, by V. G. Leont'yev, Yu. V. Natochin,  
11 pp.  
RUSSIAN, per, Zhurnal 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  
Striated 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 ~~36189~~ 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  
C

Sci - Biol & Med Sci  
Oct 64

Autographic Investigations of Nuclei of  
Root Meristem of Germinating Pea Seeds with  
The Application of  $^{13}$  - Thymidine, by  
Yu. F. Bogdanov, A. B. Iordanskiy. 9 pp.  
RUSSIAN, par, Zhurnal Obshchei Biologii, Vol 25,  
No 5, 1964, pp 357-367.  
CESTI IT 68-50418

sci/ b and m  
sept 69

389,813

Alteration of Generations and Life Span of Rodents,  
by S. S. Shvarts, E. G. Ishchenko, et al., 20 pp.  
RUSSIAN, per, Zhurnal Obshchey Biologii, Vol XXV,  
No 6, 1964, pp 417-432.  
JPRS 18301

Sci-Biol Med Sci  
Mar 68

275,404

Effect of Rabbit Testicular Extract on Testicular Regeneration in the Rat, by R. G. Gachachiladze and G. D. Tumanishvili, 11 pp. RUSSIAN, per Zhurnal obshchey biologii, Vol XXV, No 6, 1964, pp 431-442.  
UMRS 28600

USSR  
Sci-Bio & Med Sci  
Feb 65

275,105

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

63-10346

63-10346

I. Gustavson, G.

Trans. of [Zhurnal Obshchei Khimii] (USSR) 1881,  
v. 13, p. 1494.

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

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

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: \*Alkenes, \*Hypochlorous acid,  
Chemical reactions.

((Unannounced))

61-25130

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

184183

Office of Technical Services

Volhonski, E.  
THE EQUILIBRIUM OF TWO SUBSTANCES IN A  
MIXED BINARY SOLVENT. VIII. SYSTEM  
 $BaSO_4 - H_2SO_4 - H_2O$ . [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. Volhonski, E.  
II. Title: System..

Office of Technical Services

61-16118

I. Arbutov, A. Ye.  
II. Dunin, A. A.

Arbutov, 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 OIS or SIA \$1.10 61-16118

Trans. of [Zhurnal Obshchei Khimii] (USSR) 1914, v. 40  
[no. 2] p. 295-302.

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

184024

Office of Technical Services

(Unannounced)

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

RUSSIAN, per, Zhur Oshchey Khimi, 19<sup>65</sup>  
Vol XLVII, pp 1374-1401.

SIA 59-10697

Sci  
Jan 60  
Vol 2, No 5

104,590

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

RUSSIAN, Ser. Zhur. Obshch. Khim. USSR, Vol. XXVII,  
1955, pp. 1401-1412.

SLA 59-10675

Sci  
Dec 59  
Vol 2, No 1

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 59-10672

Sci - Chem  
# Dec 59  
Vol 2, No 4

102,758

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

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

SLA 59-10376

Sci  
Dec 59  
Vol 2, No 4

103,117



On the Condensation of a Mixture of Acetic Aldehyde  
and Ethyl Alcohol into Erythrene, by I. E. Ostroval  
skiy, S. S. Klebasinskiy, 19 pp.

RUSSIAN, DOKL. Akad. Nauk SSSR, Vol XLVII, 1975,  
pp 1509-1528.

SIA 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. Ostromislen-  
skiy, 9 pp.

RUSSIAN, per, Zhur Goshchey Khim SSSR, Vol XLVII,  
1915, pp 1494-1505.

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  
Dimethylacetylene 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 1

103,123

Chichibabin, A. E. and Bukhol'ts, L. A.

α-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.

62-17885

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

(Unannounced)

Office of Technical Services

Formation of Hexaptas Upon Action of Phosphorus  
Pentachloride on Alcohol, by P. N. Pishchinskaya, 3 pp.

RUSSIAN, par, Zhur Obshch Khim, Vol LXI, 1925,  
pp 11-14.

IC of NSA 59-10068

Sci - Chemistry  
Feb 59

81,555

1.80

Kolosoovskii, 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: Vapor, 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 Obsheei 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 411-412.

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 Gshchei Khiz, 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 OCS or SIA \$2.60

63-16803

Trans. of ~~Zhur[ne]~~ ~~Obshchei Khim[i]~~ (USSR) 1931,  
v. 1, p. 91-104.

DiSCRIPToRS: \*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. Ilesmetanov, 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

USSR

Scientific - Chemistry

2800

Jun 59 CTE

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, IT, 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 Oshchei Khim, Vol I, 1931,  
pp 736-739.

AEC Tr-4307

Sci - Chem  
21 Feb 61

146,951

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

*per, 23/11/59*  
RUSSIAN, *per, 23/11/59* 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 Obshchei Khimii (USSR) 1931,  
v. 1, no. 10, p. 1171-1175.

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,  
P. M. Pereiman, UNCLASSIFIED

RUSSIAN, per, Zhur Obshch Khim, Vol 1, 1931,  
pp 1249-1257

Assoc Tech Ser,  
RJ-180

18,100

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-MgCl<sub>2</sub>-H<sub>2</sub>O (Aqueous Solutions at  
High Temperatures. II. Equilibrium in the Quaternary  
System KCl-NaCl-MgCl<sub>2</sub>-H<sub>2</sub>O). 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 Moeitijk  
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 <sup>B</sup>  
in the Presence of Hydrogen, by I. N. ~~Mish-~~  
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 Obshch Khim, Vol II, No 6, 1932,  
pp 501-514.

Assoc Tech Serv-RJ 646

Sci  
Apr 59

84, 438

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

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

NLL RPS 2226 (*Lead*)

Sci - Chem  
Feb 64

248,407



Chemical Equilibria of Reactions Between Hydro-  
 carbons, 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. Proot, 18 pp.

RUSSIAN, per, Zhur Obelch 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 par, Zhur Obshch Khim, Vol II, 1932, pp 761-769.

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

Scientific - Chemistry

CTS/DEX

*See American Library 7291*

Isomerization of  $\alpha$ -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  
H. S. Dronov, 11 pp.

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

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. Tsarkin, S. ~~Bozhov~~, 8 p.

*Froisberg*

RUSSIAN, *rus*, 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.

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DRB Canada T 103 R

*Sci Museum Lib 54/0785*

USSR  
Scientific - Chemistry

9117

CIA 2201692

Jan 54 CTS

TT-64-10763

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 O'S, SLA, or ETC \$1.60    TT-64-10763

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

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

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

Office of Technical Services

61-18060

Lebedev, S. M.  
PREPARATION OF BUTADIENE DIRECTLY FROM  
ALCOHOL. [1961] 25p. 29 refs.  
Order from OTS or SIA \$2.60 61-18060

I. Lebedev, S. V.

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

DESCRIPTORS: Butadienes, Synthesis, Alcohols.

(Unannounced)

Office of Technical Services



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

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

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

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

TT-61-16675

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

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 Moeilijk 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 18refs  
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, Elimination, 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, R 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/DEK

11,120

61-15131

Siobodin, Ya. M.  
ISOMERIZATION OF ALLENE HYDROCARBONS BY  
SILICATES. I. ISOMERIZATION OF UNSYMMETRI-  
CAL DIMETHYLALENE UNDER THE ACTION OF  
FLORIDIN. [1961] 6p. 18 refs.  
Order from OTS or SLA \$1.10

61-15131

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

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

(Unannounced)

- I. Title: Floridin
- I. Siobodin, 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] 1 (p. 2 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.
- II Zvorykina, V. K.

Office of Technical Services

Drozdov, N. S. and Chernysov, 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, T7, v. 10, no. 4) (over)

63-14558

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

Office of Technical Services



TT-61-16990

Vvedenskiĭ, A. A. and Ivannikov, P. Ya.  
CHEMICAL EQUILIBRIA IN REACTIONS OF HYDRO-  
CARBONS. VIII. EQUILIBRIA IN THE REACTIONS  
 $C_6H_6 + C_6H_6 \rightleftharpoons C_{12}H_{12}$  AND  $C_6H_6 + C_6H_6 \rightleftharpoons C_{12}H_{12}$ . 5p 11 refs  
Order from OTS, SIA, or ETC \$1.10    TT-61-16990

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

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

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

Office of Technical Services

61-10795

Shorngin, P. P. and Kreshkov, A. P.  
OXIDATION OF HYDROXY ACIDS OBTAINED BY  
OXIDATION OF PARAFFIN WAX WITH AIR [1961]

6p. 3 refs.  
Order from IC or SLA by \$2.40, pb\$3.30 61-10795

Trans. of Zhurnal Obshchey Khimii, (USSR) [1961] : 4,  
p. 988-994.

- 1. Synthetic waxes--Oxidation
- 2. Organic acids--Chemical reactions
- 1. Shorngin, P. P.
- II. Kreshkov, A. P.

61-10795

Office of Technical Services

(Unannounced)

Kolosovskii, N. A., and Uklovenko, 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. Uklovenko, V. V.

Office of Technical Services

TT-61-16830

Likhosherstov, 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)

- I. Title: Phlorol
- I. Likhosherstov, M. V.
- II. Petrov, A. A.
- III. Alekseev, S. V.
- IV. Lebedev, S. V.

Office of Technical Services

62-20150

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

I. Kazaryan, L.

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

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

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

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 \$2.10

63-10370

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

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

(Chemistry--Physical, IT, 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  
FLUORIDE. [1963] 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 transition, Alkenes, Methyl radicals, Fluorides, Silicates.

(Unclassified)

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,  
XXXXX L. I. Yashtanov, S. M. Kobrin, 13 pp.

RUSSIAN, per, Zhur Obsch 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. I. Stoichiometry in the Oxidation of Sulfur Dioxide with Ozone in Aqueous Solution, by S. S. Vasil'ev, M.V. Prolov, L. L. Mashtanov, T. L. Kostorskaya, 7 pp.

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

SIA/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 <sup>^</sup>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 METHAEN (Pyrogenetic Reactions of Polymerization of Hydrocarbons, II. Kinetics of Polymerization and Decomposition of Ethylene) 21p, 39 refs.  
MTWL: 1371 (text in Dutch)  
Order from OTS or ETC \$1.85      61-17721

Trans. of Zhurnal Obshchei Khimii (USSR) 1935, v. 5, p. 348-355.

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

TT-61-16833

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

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

Order from OTS, SLA, or ETC \$1.10      TT-61-16833

Trans. of Zhurnal Obshchei Khimii (USSR) 1935, v. 3,  
p. 444-449

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

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 Obsch Khim, Vol V, No 4,  
1935, pp 555-561.

Sci Tr Center  
RT-1012

Scientific - Chemistry

15,352

61-18115

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, Toluene.

(Unannounced)

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

Office of Technical Services

Of Equilibrium in Liquid Mixtures and Solutions.  
II. Solubility of Phosgene Vapors in Certain  
Solvents at Pressures Below Atmospheric, by  
V. A. Kireyev, S. E. Kaplan, K. Vasneva, 8 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol VI, 1935,  
pp 799-805.

SLA Tr R-563

Sci - Chem  
Jul 57

49, 935



TT-61-16818

Moor, V. G., Strigaleva, N. V., and Shilyaeva, L. V.  
KINETICS AND MECHANISM OF THERMAL CON-  
VERSIONS OF UNSATURATED HYDROCARBONS:  
THERMAL POLYMERIZATION OF 1,3-BUTADIENE  
UNDER ATMOSPHERIC PRESSURE. [1961] 12p 15refs  
Order from OTS, SLA, or ETC \$1.60      TT-61-16818

I. Moor, V. G.  
II. Strigaleva, N. V.  
III. Shilyaeva, L. V.  
IV. Title: Thermal...

Trans. of Zhurnal Obshchei Khimii (USSR) 1935,  
v. 5, p. 818-829.

DESCRIPTORS: \*Butadienes, Polymerization, Reaction  
kinetics, \*Hydrocarbons, Pyrolysis, Decomposition,  
Temperature.

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

Office of Technical Services

63-14305

Tarassenkov, D. N., Grigorovich, A. N., and  
Bogoslovskaya, A. V.

ON METHODS OF MEASURING THE VAPOR PRES-  
SURE OF METAL SALTS. [1963] [19]p. (figs.  
omitted) 12 refs.

Order from OIS or SLA \$1.60

63-14305

Trans. of Zhurnal Obshchei Khimii (USSR) 1935, v. 5,  
p. 924-933.

DESCRIPTORS: \*Vapor pressure, \*Lead compounds,  
\*Sulfides, \*Chlorides, \*Copper compounds, Metallic  
compounds, Salts, Measurement, Fluid flow, Statistical  
analysis, Boiling.

(Chemistry--Physical, TT, v. 10, no. 7)

I. Tarassenkov, D. N.  
II. Grigorovich, A. N.  
III. Boroslovskaya, A. V.

Office of Technical Services

Dimerization of Butadiene, by Ya. M. Slobodin  
UNCLASSIFIED

RUSSIAN; Zhurnal Obshchei Khimii, 1935, Vol 5,  
pp 1415-1420.

Sci. Mis Lib No 52/2731

Scientific - Chemistry

OTS TT-61-18046

25 October 1952

Lobachev, S. V., Guliyeva, A. I., and  
Vasil'eva, A. A.  
HYDROGENATION OF VINYLACETYLENE. [1961]  
14p. 17 refs.  
Order from OTS: SLA \$1.00      61-28100

Trans. of Zhurnal Obshchei Khimii (USSR) 1935,  
v. 5, p. 1422-1433.

DESCRIPTORS: Vinyl radicals, Acetylenes,  
Hydrogenation.

(Unannounced)

61-28100

I. Lobachev, S. V.  
H. Guliyeva, A. I.  
III. Vasil'eva, A. A.

Office of Technical Services

Preparation of N,N'-Disubstituted Barbituric and  
Thio-barbituric Acids, by E. V. Koshkin.

RUSSIAN, part Zhur Obshch Khim, Vol V, No 10,  
1937, pp 1152-1157.

100 21-1170

Sci - Chem

Jan 60

105056

Viscosity and Electrical Conductivity in the KCl-LiCl  
System of Fused Salts, by S. V. Garpachev, A. G. Stromberg,  
N. Podchainova, 18 pp.

RUSSIAN, in part, Zhurn Obsh Khim, Vol 6, No 11, 1935,  
pp 1517-1526.

STS TT-65-20746  
Sci Tr Center RT-775

11,005

Scientific - Chemistry

K-H-2867-U

Lebedev, S. V. and Orlov, S. M.  
RESEARCH ON POLYMERIZATION. XV. POLY-  
MERIZATION OF 2-BUTENE. Z1961 | 6p. 12 refs.  
Order from CTS on SLA \$1.10 61-18099

Trans. of Journal, Khimicheskii Khimii (USSR) 1935,  
v. 5, p. 1589-1594

DESCRIPTORS: Polymerization, Butanes

61-18099

I. Lebedev, S. V.  
II. Orlov, S. M.  
III. Title: Polymerization...

Office of Technical Services

Levedev, S. V. and Borgman, Yu. A.  
RESEARCH ON POLYMERIZATION XIV. LOW TEM-  
PERATURE POLYMERIZATION OF ISOBUTENE.  
[1961] 10p, 10 refs.  
Order from OTS or SLA \$1.10

61-16616

Trans. of Zhurnal Obshchei Khimii (USSR) 1935, v. 5,  
p. 1595-1600.

DESCRIPTORS: \*Butenes, \*Polymerization, Polymers,  
Temperature.

(Unannounced)

61-16616

I. Levedev, S. V.  
II. Borgman, Yu. A.  
III. Title: Low ...

184031

Office of Technical Services



Conditions Influencing Condensation of Acetone  
Molecules, by P. P. Surmin, 6 pp.

RUSSEAN, per, Zhur Obshch Khim, Vol V, No 12,  
1935, pp 1639-1641.

SLA 59-10783

Sci - Chem  
Sep 59  
Vol 2, No 2

98,012

TT-61-16610

Gorin, Yu. A. and Neimark, O. M.  
MECHANISM OF CONTACT CONVERSION OF ALCOHOLS TO DIOLEFIN HYDROCARBONS BY THE METHOD OF S. V. LEBEDEV. I. CATALYTIC CONVERSION OF PRIMARY PROPYL ALCOHOL TO DIOLEFINS. 9p 16refs  
Order from OTS, SLA, or ETC \$1.10 TT-61-16610

I. Gorin, Yu. A.  
II. Neimark, O. M.  
III. Title: Catalytic ...

Trans. of Zhurnal Obshchey Khimii (USSR) 1935, v. 5, p. 1772-1780.

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

Office of Technical Services