

The Reaction Between Aliphatic Thio Ethers and Dialkyl  
Sulfates, by I. A. Usov, M. Z. Finkel'shteyn, V. N.  
Belov, 6 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol XVII, No 12,  
1947, pp 2253-2255.

Sci Tr ~~CIT~~ RT-3444

Scientific - Chemistry

34, 915

May 56 CTS/dex

To The Problem of the Structure and  
Transformations of the Diazo Compounds,  
IV. The Formation and Transformations of  
P. Nitroxylnitrosamine, by I. V. Grachev,  
7 pp.

RUSSIAN, per, Zhur Gbanch Khin, Vol XVII,  
1947, pp 2268-2276.

SLA 60-13721

Sci  
Vol IV, No 5  
Mar 62

188, 440

Mechanism For the Formation of Sugars  
From Formaldehyde. Part II, by

S. A. Balozin.

RUSSIAN, per, Zhurnal Obshchey Khimii,  
Vol 17, No 12, 1947, pp 2288-2291.

NASA TT F-11,716

Sci/Chem  
Oct 68

368,959

61-23323

Borovik, E.  
FORMULA FOR THE THERMAL CONDUCTIVITY  
OF LIQUIDS. [1961] 3p. (2 tables 1 diag. omitted)  
19 ref. [DSIR LLU] M. 2745.  
Order from OTS or SLA \$1.10

I. Borovik, E.  
II. DSIR LLU M. 2745

61-23323

Uncredited trans. of [Zhurnal Obshchey Khimii] (USSR)  
1943, v. 18 [no. 1] p. 48ff.

DESCRIPTORS: \*Liquids. \*Heat transfer. Conductivity.  
Liquefied gases.

61-23323

The proposed formula is omitted in the present trans-  
lation.

(Physics--Thermodynamics, TT, v. 6, no. 12)

Office of Technical Services

Action of Nitrogen Oxides on Unsaturated Acids  
of the  $C_nH_{2n-2}O_2$  Series. I. Action of  $N_2O_3$  On  
Petroselinic Acid, by N. V. Williams, S. V.  
Vasilev, 7 pp.

RUSSIAN, 8 no per, Zhur Obsheh Khim, Vol XVIII,  
1948, pp 77-81.

30,804

CIA/FDD/XX-68  
IAC INTERNAL USE ONLY

Scientific - Chemistry

Feb 56 CTS/DEX

Study of the Sulfonation Reaction VIII. Heat Effect  
of the Sulfonation Reaction of Naphthalene, by A. A.  
Spreyskov, 3 pp.

RUSSIAN, per, Zhur: Obshch Khim, Vol XVIII, 1948,  
pp 98-99.

SLA R-2769

Sci  
Apr 59

84,467

An Investigation of the Reaction of the  
Formation of Cobalt and Nickel Ferrites,  
by S. I. Bulyakova, Ya. I. Gerasimov, U. P.  
Sudakov and L. L. Klyachko-Gurvich, 12 pp.

RUSSIAN, per. Zhur. Obsh. <sup>ch</sup> Khimii, Vol. XVIII, 1948  
pp. 154-164.

CIA/FDD/Z-203

30,875

Scientific - Chemistry

Vinylogs of Malonaldehyde, by I. L. Knunyants, A. K. Shillegodskii, 11 pp.

Full translation.

RUSSIAN, per, Zhur Obshch Khim, Vol XVIII, No 2, 1943, pp 184-189.

CIA/FDD/X-975

USSR

Scientific - Chemistry

CPS/DEX

3831



Friedel-Crafts Ketone Syntheses With Zinc Chloride,  
by A. B. Kuchkarov, I. P. Tsvetkov, 3 pp.

RUSSIAN, no par, Zhur Obshch Khim, Vol XVIII,  
1948, pp 320-323.

CIA/PTD/XX-49

Scientific - Chemistry

JAN 56 GTS/DES

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Adsorptive Films As a Passivating Factor, by G. S. Keshurnikov, 12 pp. UNCLASSIFIED

RUSSIAN, per, Zhur Obshch Khim, Vol. XVIII (1900), No 3. 1938 377

REC  
CIA/FID/X-1404

RT-19 00

Scientific - Chemistry - Adsorption, Coatings

20,297

Application of Aromatic Arsenic Compounds in Chemical  
Analysis. Part I, by A. I. Portnov, 9 pp.

RUSSIAN, no per; Zhur Obshch Khim, Vol XVIII, No 4,  
1948, pp 594-600.

Sci Tr Center RT-1163

Scientific - Chemistry

Jul 54 CTS

16,052

Cracking Processes Using an Aluminous Catalyst in the  
Light of the Multiplet Theory of Catalysis, by I. V.  
Oborin.

Full translation.

RUSSIAN, no par, Zhur Obshch Khim, Vol XVIII, No 4,  
1948, pp 612-628.

AEC Tr 1175

Sci - Chem

Apr 52 CTS

Application of Aromatic Arsenic Compounds in  
Chemical Analyses, Part II, The Arsonate Method  
for the Determination of Cobalt, by A. I. Fortnev,  
6 pp UNCLASSIFIED

RUSSIAN, part, Zhur Obshch Khim, Vol XVIII, No 4,  
1948, pp 60-601.

Sci Tr Center  
RF-1076

15,358

Scientific Chemistry

Absorption Spectra and Structures of Benzene  
Derivatives, ~~XIV~~ <sup>XIV</sup>. Polarographic and Potentiometric  
Investigations of Acetophenone and Its  
Derivatives, by N. A. Valyashko, Yu. S. Rozum.  
RUSSIAN, per, Zh. Obshch. Khim., Vol 18, No 4,  
1948, pp 710-722.  
NLL 5828.4F (11702)

Sci - Chem  
Sept. 67

340,150

Dyes of the di- and Tripyridylmethane  
Series, by Knunyants, I. L. and Berezovskii  
V. M.

RUSSIAN, per, Zhurnal Obshchei Khimii,  
1948, Vol 18, No 4, pp 767-784.

NLI RTS 2488 (On Loan or Purchase)

VL-5878.4F P.767-774

Aug 65

287,003

Free Radicals with Hetero-Atoms, by M. Dyatkina.  
RUSSIAN, per, Zh. Obshch. Khim, Vol 18, No 5,  
1948, pp 823-831.  
NLL 5828.4F (11699)

Sci - Chem  
Sept. 67

340,154



ZHUR OBSHCH KHETI

Vol XVIII (LXXX), No 5, 4 pp  
May 48

"Alkaloids in the Plants of the Papaveraceae Family, IX"

R. A. Konovalova  
V. V. Kiselov

Available at Brookhaven  
See Guide to Russ Sci Per Lit, Vol 1,  
No 7, Page 51

8/49T58

The Preparation of Esters of ~~2,4,6~~<sup>2,4</sup>-nitro Substituted  
Carboxylic Acids. I. Ethyl Nitroacetate, by V. M.  
Rodionov, I. V. Machinskaya, V. M. Belikov, 7 pp.

RUSSIAN, per, Zhur. Obshchei Khim., Vol XVIII, No 5,  
1948, pp 917-920.

Sci Tr Center RT-2498

USSR  
Scientific - Chemistry

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Nov 55  
OTS/DEX

Binary System of Sodium Chromate-  
Calcium Chromate, by Ya. E. Vil'nyanskiy,  
O. I. Pukovkina.  
RUSSIAN, per, Zhurnal Obshch. Khimiy,  
Vol 18, No 6, pp 1033-1036, 1948 9229506  
AEC 50-T-65-723

Sci-Chem  
Oct 65

290,647

Catalytic Oxidation of Various Classes of  
Organic Compounds in a Jet, by  
L. Ya. Margolis, O. M. Todes.  
RUSSIAN, per, Zh Obshchey Khim, Vol 18,  
No 6, 1948, pp 1043-1050.  
Dept of Navy NRL Trans No 1171

Sci-Chem  
June 69

383,154

Investigation of Alkaloids of Senecio. species.  
VI. Structure of Seneciphylline, by R.  
Kononilova, A. Danilova, 8 pp. UNCLASSIFIED

RUSSIAN, par, Zhur. Obshch. Khim, Vol XVIII,  
No 6, 1948, pp 1198-1202.

Sci Tr Center  
RT-1674

20,532

Scientific - Chemistry

Jan 55  
Bureau CTS

Investigations in the Field of Thebaine. II. Study of  
the Products of Condensing ~~THEBINE~~ thebaine With Acroleine,  
by S. I. Yanavskaya, Mitryagina, 4 pp.

RUSSIAN, per, Zhur Obshchei Khimii, Vol XVIII, No 6, 1948  
PP 1203-1207. (2)

Sci Tr Center  
RT-1376

Scientific - Chemistry

77,442

Dependence of Azo Coupling Ability of Azo Compounds of  
ArX on Basicity of the Substituent X, by S. I. Burmistrov,  
22 pp. UNCLASSIFIED.

RUSSIAN, per, Zhur. Obshch Khim, Vol XVIII, No 7, 1948,  
pp 1361-1369.

HEX  
HEH Tr  
ICP-982

16,805

Scientific - Chemistry

6  
Physico-chemical Investigations of the Complex  
Compounds of Aluminium Bromide in the Fused State.  
Part I, by E. Ia. Gorenbein,

RUSSIAN, no REF, Zhur Obsh Khim, Vol XVIII, No 8,  
1948, pp 1127-1139

Sci Mu Lib 753/0367  
REL M. 4505

Scientific - Chemistry

10, 1976



Glebovskaya, E. A. and Vol'kenshtefn, M. V.  
SPECTRA OF PORPHYRINS IN OILS AND BITUMES.

18 p. 21 refs. MTWL-638.  
Order from OTS or EITC \$1.85

Trans. of Zhurnal Obshchei Khimii (USSR) 1948,  
v. 18, no. 8, p. 1440-1451.

DESCRIPTORS: Porphyrins, Mineral oils,  
Spectrographic analysis.

61-17210

- I. Glebovskaya, E. A.
- II. Vol'kenshtefn, M. V.
- III. MTWL-638
- IV. Stichting Moeilijk Toegankelijke Wetenschappelijke Literatuur

AEC TR 1376  
NRCC-77-281

Office of Technical Services

Mechanism of Friedel-Crafts Reaction. VII. Reaction of Vinylidene Chloride With Benzene, by V. V. Korshak, K. K. Sarglavskaya.

RUSSIAN, per, Zhur Obshchei Khim, Vol XVIII, No 8, 1948, pp 1470-1474.

Assoc Tech Serv EJ-1440  
" " " 72023R

Sci - Chem

Apr 59

85, 317

Polymerization of Propylene by Molecular Com-  
pounds of Boron Fluoride, by A. V. Topchiev,  
Ya. M. Paushkin.  
RUSSIAN, per, Zh. Obshch. Khim, Vol 18, No 8,  
1948, pp 1537-1544.  
NLL 5828.4F (11809)

Sci - Chem  
Sept. 67

340,370

Polymerization of Butadiene. IV. Dimer-  
ization of Butadiene. V. Butadiene Te-  
tramer, by Ya. N. Slobodin, et al,  
6 pp.

RUSSIAN, par, ~~Zhur Oshch Khin,~~  
Vol XVIII, No 8, 1948, pp 1545-  
1549

SLA 60-13715

Sci  
Vol IV, No 5  
Mar 62

188, 444

ZHUR OBSHCH KHIMII

Vol XVIII (LXXX), No 8

#8

"Problem of the Structure and Conversion of Diazo  
Compounds: VIII, Acid and Base Properties of Diazo  
Compounds" 23 pp.

I.V. Grachev  
N.A. Kirzner

Trans Nat'l Insts of Health  
Bethesda, Md.  
X-190

RT- 3885  
pp 1525-1536

19/49T18

ZHUR OBSSHCH KHIMII

Vol XVIII, No 9, 1948

"Synthetic Research in a Series of Analogues of a Colchicine Alkaloid"

T. F. Dankova  
L. G. Yevdokimova  
I. I. Stepanov  
N. E. Preobrazhenskiy

National Institutes of Health Translation

On loan to OSI

7273.2 *Index by*  
*W. R. Lewis*

RT-1510

30/49T13

Catalytic Decomposit on of Diacetaldehyde.

RUSSIAN, per, Zhur Obshch Khimii, No 9, 1948.

Res Info Sv R-526

34,888 \$21.50

Sci - Chemistry

May 1956

On the Synthesis of Alkylnaphthalene With  
the Aid of Organic Lithium Compounds.

RUSSIAN, per, Zhur Obshch Khimii, No 9, 1948.

Res Info Sv - R-520

\$19.00

Sci - Chemistry

34,887

May 1956



On the Question of the Interaction of Chlorine  
With Carbon.

RUSSIAN, per, Zhur Obshch Khim. i, No 9, 1946.

Res Info Sv - R-527

\$21.25

Sci - Chemistry

34,883

May 1956

Properties of Cupro-Complexes, by O. A. Chaltyidan,  
27 pp.

RUSSIAN, no per, Zhurn. Obshch. Khim., Vol XVIII, No 9,  
1948, pp 22 1526-1638.

SLA 60-18073

Sci Tr Center

IR-3874

39,132

Sci - Chemistry  
Sep 58 GTS/act

TT-41-20524

Free Energies of Bonds in Organic Compounds, by  
V. B. Fal'kovskii.  
RUSSIAN, per, Zh. Obshch. Khim, Vol 18, No 9,  
1948, pp 1639-1642.  
NLL 5828.4F (11697)

Sci - Chem  
Sept. 67

340,155

Zharkova, V. and Moldavskii, B.  
A STUDY OF THE ISOMERIZATION OF AMYLENES  
AND THEIR EQUILIBRIUM CONCENTRATIONS.  
Pt. 9 of Isomerization of Hydrocarbons. [1961] 8p.  
Order from ATS \$12.90      ATS-87N56R

Trans. of Zhurnal Obshchei Khimii (USSR) 1948,  
v. 18, no. 9, p. 1674-1680.

DESCRIPTORS: \*Hydrocarbons, \*Pentenes, Isomeric  
transitions. Chemical equilibrium.

(Chemistry--Organic, TT, v. 7, no. 3)

62-12210

- I. Title: Amylenes
- I. Zharkova, V.
- II. Moldavskii, B.
- III. Title: Isomerization...
- IV. ATS-87N56R
- V. Associated Technical  
Services, Inc.,  
East Orange, N. J.

Office of Technical Services

Polycyclic Compounds. VIII. Benzenaphthenone  
Nitrosokide, by A. M. Lukin, L. D. Dashevskaya,  
11 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XVIII, No 9,  
1943, pp 1703-1709.

26,689

Sci. Trans Center  
RT-2404

Scientific - Chemistry

Sep 55 CTS/DEX

Investigation of the Alkaloids of Cynaglossum  
Viridiflorum. I. Viridiflorine, a New Alkaloid,  
and Its Structure, by G. P. Men'shikov, 7 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol XVIII,  
No 9, 1948, pp 1736-1740.

Sci Tr Center  
RT-2215

Scientific - Chemistry  
CTS 70/Jul 55

25,228

Study of the Alkaloids of Lindelofia  
Anchusoides. I. The New Alkaloids Lindelofine  
and Lindelofamine and Their Structure, by  
A. S. Labenskiy, G. P. Men'shikov, 11 pp.

RUSSIAN, no par, Zhur Obshch Khim, Vol XVIII,  
No 10, 1948, pp 1896-1892.

Sci Tr Center  
RT-2268

Scientific - Chemistry  
CTS 70/Jul 55

25,230

Transformation of Simple Vinyl Ethers. III.  
Interaction of Simple Vinyl Ethers and Organic Acids.  
by N.A.Gershtein and M.F.Shostakovskii  
RUSSIAN, per, Zhurnal Obshchel Khimii, 1948, vol.18,  
no.11, pp.1989-1999  
SLA-TI-64-20462

Chem  
Aug 66

307,779



ZHURNAL OBSHCHEY KHIMII - 24 issues/year  
(Journal of General Chemistry)  
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*Russ  
old*

The Preparation of Boron Trifluoride by Acidic  
Methods, by I. G. Ryss, E. M. Polyakova, 9 p.

RUSSIAN, per, Zhur Obshchey Khim, 1949, Vol XIX,  
No 9, pp 1596-1603.

AFS-64L32R

Sci  
Jan 60  
Vol 2, No 8

105,571

Kirsanov, A.V. and Zolotov, Yu.M.  
EEN NIEUWE METHODE VOOR DE OMZETTING VAN  
AMIDEN VAN CARBONZUREN IN NITRILEN (New  
method of transformation of carboxamides into nitriles)  
tr. by G.J.M. Fritschy, 5 p. 5 refs. MTWL:481.  
Order from OIS or ETC \$0.80 61-17000

Partial trans. of Zhurnal Obshchei Khimii (USSR) 1950,  
v. 20, p. 284-288.

61-17000

- I. Cyanides
2. Amides
- I. Kirsanov, A.V.
- II. Zolotov, Yu.M.
- III. MTWL-481
- IV. Stichting Moeilijk Toegankelijke Wetenschappelijke Literatuur

Office of Technical Services

Reactions with Aluminium Chloride Obtained  
According to Radzivanovskiy. Condensation of Benzene  
With Some Aliphatic Unsaturated Halogen Derivatives  
and Polyhalogenated Compounds, by B. N. Dolgov,  
N. A. Larin, 13 pp.

RUSSIAN, per, Zhur Obshechi Khim, Vol XX, 1950,  
pp 450-457.

OFS 61-17174

Sci  
May 62

Befles, R.G. and Postovskif, I.Ya.  
DE BEREIDING VAN NAPHTACEEN (Preparation of  
naphhtacene) 7p. 7 refs. MTWL: 461 (Text in Dutch)  
Order from OIS or ETC \$1.85 61-17026

Trans. of Zhurnal Obshchei Khimii. (USSR) 1950,  
v. 20, no. 3, p. 518-521.

DESCRIPTORS: \*Naphhtacenes, Preparation.

61-17026

- I. Befles, R.G.
- II. Postovskif, I.Ya.
- III. MTWL-461
- IV. Stichting Moelijk  
Toegankelijke Wetenschap-  
pelijke Literatuur.

Office of Technical Services

Levina, R. Ya., Skvarchenko, V. R., and others.  
SYNTHESE VAN KOOLWATERSTOFFEN. X. GE-  
DEELTIELIJKE REDUCTIE VAN DIEENKÖÖLWATER-  
STOFFEN MET EEN GECONJUGEERD SYSTEEM VAN  
DUBBELE BINDINGEN MET NATRIUM IN VLOEIBARE  
AMMONIAK. (Synthesis of Hydrocarbons. X. Partial  
Reduction of Diene Hydrocarbons with a Conjugated  
Double Bond System by Means of Sodium in Liquid  
Ammonia). 11 p. 13 refs. MTWL: 358. (text in Dutch).  
Order from OIS or ITC Sl. 55 61-17619

Trans. of Zhurnal Obshchei Khimii (USSR) 1950,  
v. 20, no. 4, p. 684-689.

DESCRIPTORS: \*Hydrocarbons, \*Reduction, Sodium,  
Ethylenes, Ammonia, Liquids.

61-17619

- I. Levina, R. Ya.
- II. Skvarchenko, V. R.
- III. MTWL-358
- IV. Stichting Moelijk Toegankelijke Wetenschappelijke Literatuur

Office of Technical Services

Rabinovich, B. Ya.  
MOLECULAIRE VERBINDINGEN VAN ALUMINIUM-  
BROMIDE MET AMMONIAK EN AROMATISCHE  
KOOLWATERSOFFEN (Molecular compounds of  
aluminium bromide with ammonia and aromatic hydro-  
carbons). 12 p. 25 refs. MTWL: 451 (Text in Dutch).  
Order from OIS or ETC: \$1.85 61-17040

Trans. of Zhurnal Obshchei Khimii (USSR) 1951,  
v. 21, no. 1, p. 66-73.

DESCRIPTORS: \*Aluminium compounds, \*Bromides,  
\*Ammonia, \*Carbohydrates, \*Benzenes, Molecular  
association.

61-17040

- I. Rabinovich, B. Ya.
- II. MTWL-451
- III. Stichting Moelijk Toegankelijke Wetenschap-  
pelijke Literatuur.

Office of Technical Services

Index, 81 pp.

RUSSIAN, per, Zhur Obsheh Kaimii, Vol XXI, 1951.

Consultants Bureau

Available CIA Library

*D151397*



Investigation of the ~~is~~ Isomerization and Polymeriza-  
tion Process of Dimethylvinylcarbinol as a Function of  
the pH of the Reagent, by A. I. Lebedeva, L. L.  
Safirukovskaya, 9 pp.

RUSSIAN, part, Zhur Obshch Khim, Vol XXI, 1951, pp  
1132-1139.

ATB-RJ142

Sci

AUG 59

93,597

Terentev, A. P. and Kost, A. N.  
SYNTHESES WITH ACRYLONITRILE. XIV. PREP-  
ARATION OF SUCCINODINITRILE. [1961] 4p. 10 refs.  
Order from OTS or SLA \$1.10 61-18831

Trans. of [Zhurnal Obshchei Khimii] (USSR) 1951,  
v. 21 [no. 10] p. 1867-1869.

DESCRIPTORS: \*Acrylonitriles, Synthesis, \*Nitriles,  
Synthesis, Potassium compounds, Magnesium com-  
pounds, Sulfates.

A method is given for obtaining succinodinitrile (80-85%  
yield) by the action of acrylonitrile on a saturated aque-  
ous solution of a mixture of KCN and MgSO<sub>4</sub>. In the  
case of acrylonitrile it is shown that HCN can be re-  
placed very satisfactorily in practical work by a mix-  
ture of a solution of KCN + MgSO<sub>4</sub>. (Author)

(Chemistry--Organic, IT, v. 6, no. 9)

61-18831

I. Terentev, A. P.  
II. Kost, A. N.  
III. Title: Preparation...

105489

Office of Technical Services

Index to the Periodical, The Journal of General  
Chemistry of the USSR, 72 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol XXIII, 1953.  
CIA C 41478

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Interaction of Nonsymmetrical RHgR  
Mrcury Compounds with Phenols, by M. H.  
Koton, A. A. Dol'shakova, Cp.  
RUSSIAN, per, Zhurnal Obshchei Khimii,  
Vol 23, No 12, 1953, pp 2023-2027.  
OTS TT-65-60310

333, 827

Sci  
Aug 67

Toropova, V. F.  
THIOSULPHATE COMPLEXES OF MERCURY. 11p.  
13 refs. MTWL-741.  
Order from CTS or ITC \$1.55 61-17271  
Trans. of Zhurnal Obshchei Khimii (USSR) 1954, v. 24,  
no. 3, p. 423-427.

DESCRIPTORS: Mercury compounds, Complex  
compounds, Thiosulphates, Polarographic analysis.

61-17271

- I. Toropova, V. F.
- II. MTWL-741
- III. Stichting Moeilijk  
Toegankelijke Wetenschap-  
pelijke Literatuur

Office of Technical Services

The Transformation and Synthesis of Carbohydrates  
Report II. Study of the Oxidation of Ketoses, by  
V. N. Berezovskiy, L. I. Spreschnias, 8 pp.

RUSSIAN, per, Zhur Obshch Khim (USSR), Vol XXIV,  
No 5, 1954, pp 855-858.

LC or SLA 59-10014

Sci - Chemistry  
Feb 59

1.80

81,532

*Zhurnal Obshchey Khimiy*

*Vol 26, Nos 7-12, 1956*

*Vol 27, Nos 1-12, 1957*

*Vol 28, Nos 1-9, 1958*

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S-171/60

(DC-3524).

The Hydrogen Exchange of Phenol, Its Ethers, and Aromatic Amines With Liquid DBr, by A. I. Shatenshteyn, et al, 12 pp.

RUSSIAN, ~~Per~~, Zhur Obshch Khim, Vol XXVIII, No 10, 1958, pp 2638-2644.

JPRS 3374

118,666

Sci - Chem  
Jun 60



S-172/60

(DC-3524).

Hydrogen Exchange of Phenol and Its Ethers With  
Solutions of Potassium Amide in Liquid Deutero-  
ammonium, by A. I. Shatenshteyn, A. V. Vedencyev, 14 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXVIII, No 10,  
1958, pp 2644-2652.

JPRS 3375

118,667

Sci - Chem  
Jun 60

Dehydrogenation Kinetics of Cyclohexane and Its Homologs  
on a Chromis Catalyst at Atmospheric Pressure, by  
G. N. Maslyarskiy, N. R. Bursian.

RUSSIAN, per, ~~Zhur Obshch Khim~~, Vol XXVIII, No 10,  
1958, pp 2656-2662.

ATS RJ-1605

Sci - *Chem*  
Jul 59

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The Investigation of Structural Properties and Chemical Transformations of Carbazole and Some of Its Derivatives, by S. I. Gmelchenko, Z. V. Pushkareva, 9 pp. UNCL.

RUSSIAN, per, Zhur Obshch Khim, Vol XXVIII, No 10, 1958, pp 2706-2710. 9660720

AFIC MCL-254/III

Sci - Chem

149,685

Apr 61

Telecom IC 41547

ZHURNAL OESHCHY KHIMIY

Vol 28, Nos 11-12, 1958

Vol 29, Nos 1-12, 1959

Vol 30, Nos 1-11, 1960

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Fedorova, G. K., and Kirsanov, A. V.  
REACTION OF PHOSPHORUS PENTACHLORIDE WITH  
UNSATURATED HYDROCARBONS. [1961] 6p.  
Order from ATS \$7.50

ATS-72N51R

Trans. of Zhurnal Obshchei Khimii (USSR) 1960,  
v. 30, no. 12, p. 444-448.

DESCRIPTORS: Phosphorus compounds. \*Chlorides.  
\*Hydrocarbons. Chemical reactions.

(Chemistry - Organic, TT, v. 6, no. 7)

61-25215

- I. Fedorova, G. K.
- II. Kirsanov, A. V.
- III. ATS-72N51R
- IV. Associated Technical Services, Inc., East Orange, N. J.

35133

Office of Technical Services

Yarovenko, N. N. and Motornyi, S. P.  
METHODS OF PREPARATION OF FLUORINE ANA-  
LOGS OF DICHLOROFORMALDEHYDE OXIME.  
7 Mar 60 [7]p. 6 refs.  
Order from QTS or SLA \$1.10 61-18808

Trans. of Zhur[nal] Obshchei Khim[i] (USSR) 1960,  
v. 30, no. 12, p. 4066-4069.

DESCRIPTORS: Preparation, \*Fluorine, \*Chlorides,  
\*Oximes, \*Formaldehyde, Chemical reactions,  
Reduction, Nitroso radicals, \*Sulfonyl radicals.

Experiments established that on reaction of  $Cl_2FCSCl$   
and  $ClF_2CSCl$  with  $HNO_2$ , the corresponding nitroso  
compounds and sulfonyl chlorides are formed.  $ClFCNOH$   
can be obtained (in ether solution) by the reaction of  
 $Cl_2FCNO$  with  $H_2S$ .

(Chemistry--Organic, IT, v. 6, no. 9)

61-18808

I. Yarovenko, N. N.  
II. Motornyi, S. P.

105485

Office of Technical Services

Martynov, V. F. and Titov, M. L.  
THE USE OF ETHYL FLUOROACETATE IN THE  
DARZENS REACTION. 13 July 61 [3]p. 2 refs.  
Order from OTS or SLA \$1.10 61-18686

Trans. of Zhurnal Obshchei Khimii (USSR) 1960,  
v. 30, no. 12, p. 4107-4108.

DESCRIPTORS: \*Acetates, \*Fluorides, \*Ethyl radicals,  
Condensation reactions, Synthesis, Decomposition,  
Water, Molecular weight, Chemical analysis.

Ethyl fluoroacetate was condensed with F aldehyde  
in the presence of dry sodium ethoxide under the usual  
conditions for this synthesis, without special precautions.  
Results showed that the Darzens reaction goes by an  
aldol mechanism. (Author)

(Chemistry--Organic, TT, v. 6, no. 9)

61-18686

I. Darzens reaction  
I. Martynov, V. F.  
II. Titov, M. L.

185470

Office of Technical Services

ZHURNAL O~~S~~HCHFY KHIMIY

Vol 31, Nos 1-12, 1961

Vol 32, Nos 1-12, 1962

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Compounds With a Potential Antitubercular Activity  
VI. Thiouamide Amidoximes, Amidrazones and S-Oxides  
of Certain Heterocyclic Acids, by T. F. Sycheva,  
T. Kh. Trupp, 9 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXXII, 1962,  
pp 3669-3674.

CIA/FDD XXXII-1519

NO FOREIGN DISSEM

Sci - Chem

Apr 64

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255,171

*ZHURNAL OESHCHY KHIMIY*

*Vol 33, Nos 1-9, 1963*

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ZHURNAL OBSHCHEY KHIMIY

Vol 33, Nos 11 & 12, 1963

Cover-to-cover Consultants Bureau

Vol 33, No 11, 1963, pp 3455-3460 JPRS 22794 9 pp

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ZHURNAL OBSHCHEY KHIMIY

Vol 34, No 1-8, 1964

*Cover-to-cover Consultants Bureau  
Available at Library Serials*

Vol 34, No 5, 1964, pp 1693-1695 FTD-TT-64-1050 11 pp  
9695846

ZHURNAL OBSHCHEY KHIMIY

Vol 34, No 10-12, 1964

Cover-to-cover Consultants Bureau

Available Libr Ser

/ Zhurnal Prikl Khim, XX 997-1004, 1947

Decomposition of Mixtures of Hydrocarbons in an Arc Discharge

A. F. Dobryanskiy and A. D. Kokurin (Leningrad Technological Inst)

(Wilson Dam 2634)

И. А. АРБУЗОВА

Vinyl Formate, by S. N. Ushakov, I. A. Arbuzova,  
E. N. Rostovskiy, 10 pp.

RUSSIAN, per, Zhurnal Prikladnoi Khimii, Vol XX,  
No 10, 1947, pp 1013-1018.

Sci Trans Center RP-3404

Scientific - Chemistry

32,695-

Apr 56

Zhur Prikl Khim, XX, 1053-82 (1947)

Technology of Fertilizers and Sulfuric Acid in the USSR for 30 years

S. I. Vol'fkovich and A. M. Dubovitskiy

(Wilson Dam 2728)

SLA R-3021



VOZDVIZHNSKII, G. S.

Zhurnal prikladnoi khimii, vol. 20, No. 9. 1 table.  
2600 words; 1947.

Mechanism of the Electrodeposition of Nickel.

Bratcher Trans, Order No. 2144. \$4.55.

Nikitin, N. I.  
SUCSESSES OF SOVIET WOOD CHEMISTRY DURING  
THE PAST THIRTY YEARS. 25p. 64 refs. MTWL:197.  
(text in Dutch).

Order from OTS or ETC \$1.95

61-17821

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1947,  
v. 20, no. 11, p. 1083-1096.

DESCRIPTORS: SSSR, \*Wood, \*Chemistry.

61-17821

- I. Nikitin, N. I.
- II. MTWL-197
- III. Stichting Moeilik  
Toegankelijke Wetenschap-  
pelijke Literatuur

Office of Technical Services

Physicochemical Investigations in the Field of the  
Ammonia-Soda Process. VI. Dependence of Velocity of  
Carbonization of Ammonia-Salt Solutions on Partial  
Pressure of CO<sub>2</sub> in Carbonizing Gas, by A. P.  
Malopolskiy, 23 pp.

RUSSIAN, per Zhur Prik Khim, Vol XX, No 11, 1947,  
pp 1133-1146.

Sci Tr Center  
RT-1592

Scientific - Chemistry

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18,786

On the Mechanism of the Setting and Hardening of  
Puzzolanic Cements, by Yu. G. Shteynbergh, 5pp.

RUSSIAN, Zhur Prik Khim, Vol 20, No 11, 1947,  
pp 1165-70.

See Watford: Building Research Station.

BRL Comm No 312.

Sci Museum No 51/2750

Scientific - Chemistry

The Behaviour of Sulphated High-Alumina Cement Exposed to  
Chemical Agents, by P. P. Budnikov, I. G. Goldenberg.

RUSSIAN, per, Zhur Prik Khim, Vol XX, No 11, 1947.

Sci Mus Lib 50/1013

Scientific - Chemistry

16,718

Pospkhov, D.A.  
VERGELIJKENDE KARAKTERISTIEK VAN KATALY-  
SATORS VOOR DE METHANOLSYNTHESE (Compa-  
ring characteristics of catalysts for the synthesis  
of methanol) by G. J. M. Fritschy, 6 p. 26 refs.  
MTWL:477. (Text in Dutch)  
Order from OTS or EIT \$0.80

61-17025

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1947, v. 20,  
p. 1182-1184

61-17025

- I. Methanol Synthesis
- I. Pospkhov, D.A.
- II. MTWL-477
- III. Stichting Moeilijk Toeganke-  
lijke Wetenschappelijke Lite-  
ratuur

Office of Technical Services

Physicochemical Investigations in the Field of the Ammonia-Salt Process. VII. Application of Theory of Absorption, Complicated by Chemical Reactions in the Liquid Phase, to Carbonization of Ammonia-Salt Solutions, by A. P. Belopol'skiy, 16 pp.

RUSSIAN, per, Zhur Prikl Khim, Vol. XX, No 11, 1947, pp 1145-1154.

Sci Tr Center  
RT-1574

Scientific Chemistry

18,787

CTS/DEK

Stability of Industrial Ammoniacal Copper Solutions,  
by K. P. Pavlov and I. I. Lopatin.

Full translation.

RUSSIAN, no per, Zhur Prikl Khim, Vol XX, No 12, 1947,  
pp 1223-1234.

Assoc Tech Sv Tr RJ-88

Scientific - Chemistry

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SHA R-2101



Physicochemical Investigations in the Field of the  
Ammonia-Soda Process. VIII. Concerning the  
"Ammonias" in the Middle Range of the Carboni-  
zation of Ammonia-Salt Solutions, by A. P.  
Belopol'skiy, 16 pp.

RUSSIAN, per, Zhurn. Prikl. Khim., Vol. XXI, No. 12, 1947,  
pp 1235-1241.

Sci Tr Center  
FT-1575

Scientific - Chemistry

CTS/DEX

18,789

Kumanin, K. G.

A LABILE THERMOREGULATOR [Labil'nyl  
Termoregul'yator]. [1963] 9p. 8 refs.

Order from ODS or SLA \$1.10

63-14831

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1947,  
v. 20, no. 12, p. 1241-1247.

Another trans. is available from LC or SLA at \$1.80,  
pb \$1.80 as 59-19124, LC-355, Oct 49 [10]p.

DESCRIPTORS: \*Calorimetry, \*Furnaces, \*Temperature  
control, \*Thermocouples, Thermostats, Design.

A method of thermal analysis was worked out, based  
on the principle of automatic control of the tempera-  
ture difference between the wall of a furnace and the  
sample being investigated (labile thermoregulator).  
The labile thermoregulator insures the correct  
securing of the physical expression of isothermal and  
(Engineering-Chemical, TT, v. 10, no. 6) (over)

63-14831

I. Kumanin, K. G.

Office of Technical Services

Synthesis of Ethylene Chlorohydrin. Use of High Pressure, by E. A. Shilov, S. M. Solodushenko, UZSU

RUSSIAN, Zhur Prikl Khim, Vol XX, 1947, pp 1270-1282.

DSER IZV M. 1062  
= 4A 60-15161

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Rus. 60

111,126

Synthesis and Properties of Mono- and Poly-  
allylnaphthalene, III., by D. N. Andreyev, A. D.  
Petrov, 9 pp.

RUSSIAN, per; Zhur Frank Khim, Vol XXXI, No 2,  
1968.

OSIN Tr No 231

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Sci - Chem

Oct 62

Polymorphous Transformation Of Calcium Orthosilicate,  
by F.I. Vasenin.

RUSSIAN, per, Zhurnal Prikladnoi Khimii, Vol XXVIII,  
No 1, 1948, pp 10-17.

CSIRO

Oct. 62

VOSKRESINSKAYA, H. K.

Zhurnal Prikladnoi Khimii, vol. 21, No. 1, 3 figures,  
4 tables, 1100 words; 1948.

Heat Capacity of Mixtures of Sodium and Potassium  
Nitrites and Nitrates.

Bratcher Trans, Order No. 2153, \$7.70.

Polymorphic Transformations of Calcium  
E Orthosilicate, by F. I. Vasenin, 9 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XXI, 1948,  
pp 10-17.

EX SIA R-2604

Sci - Chem

Jun 59

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Theory and Practice of the Ammonia-Soda Process.  
Contribution to the Theory of the Process of  
the Carbonization of Ammonical brines, by Ya. R.  
Mikhaïl, 37 pp.

USSRIAN, per, Zhur Prikl Khim, Vol XXI, No 1, 1948,  
p 82-100.

Sci Tr Center  
RT-1593

Scientific - Chemistry

CTB/DEX

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S-2945

Recalculation of Adsorption Isotherms, by  
G. V. Vinogradov.

RUSSIAN, per, Zhur Prik Khim, Vol XXI, 1948,  
pp 101-103.

14/11/57

Acetylation of Alpha-cyanohydrins, by A. IA.  
Yakubovich, V. A. Rudenko, E. M. Markulova, 12 pp.

RUSSIAN, per, Zhur. Prikladnoi Khim., Vol XXI, No 2,  
1948, pp 151-155.

Sci Trans Center RT-2567

USSR  
Scientific - Chemistry

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Nov 55  
CTS/DEX

TT-63-20164

I. Pozin, M. E.  
II. Title: Criterial...

Pozin, M. E.  
THE THEORY OF CHEMICAL ABSORPTION. X. THE  
CRITERIAL EQUATION OF MASS TRANSFER  
THROUGH THE DIFFUSION LAYER OF GAS IN THE  
PROCESS OF SCRUBBER ABSORPTION [Teoriya  
Khemosorbtsii. X.] [1963] [16p] Srefta  
Order from OTS, SLA or ETC \$1.60 TT-63-20164

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1948,  
v. 21, no. 3, p. 218-226. (Abstract available)

DESCRIPTORS: \*Absorption, \*Towers (Chemistry),  
Transport properties, Diffusion, Gases, Equations.

The task of the experimental study was to verify the  
finding from the experimental data of the function  
 $Nu_g = f(Re_g, Pr'_g)$ , with the aim of verifying the  
functional bonds, which determine the magnitude of the  
partial coefficient of absorption  $k_g$ , characterizing the  
rate of mass transfer through the diffusion layer of  
(Chemistry--Physical. TT. v. 11, no. 4) (over)

Office of Technical Services