

Acidity Function of the Diethyl Ether- BF_3 System,
by G. B. Manelis.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXII, No 5,
1959, pp 1030-1034.

MLL RTS 2232

Sci "
Jul 63

238,182

Self-Diffusion of Dibasic Phosphate Ion in the
System Water-Electrolyte-Nonelectrolyte, by
P. Ya. Silver, 9 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXIII, No 5, 1959,
pp 1065-1070.

SLA 60-17727

Sci

OTS, Vol IV, No 3

Sep 60

129,408

The Photocatalytic Properties of Zinc Oxide in
the Reduction of Methylene Blue. 4. Poisoning
of the Photocatalysts by Nitro Compounds, by I. N.
Barshchevskiy.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXIII, No 5,
1959, pp 1071-1079.

DSIR LLU RTS 1537

Sci - Chem

Sep 60

125,547

Investigation of the Rate of Burning of Aerosol
Fuel in a Turbulent Flow. ID 2132569

ROBINSON, JER, Zhur Vle Khim, Vol. XXXIII, 1959.
pp 1080-1085.

Sci - Phys

Oct 59

3
ACSI, H-480
ATS-05-137R
ATS/RJ-2472

110,349

Vasil'yev, S. S.
KINETIC ANALYSIS OF CHAIN REACTIONS. V.
REARRANGEMENT OF THE FORM OF THE SOLU-
TIONS OF THE BASIC EQUATIONS OF THE KINET-
ICS OF CHAIN REACTIONS FOR THE CASE OF
TWO ACTIVE SPECIES (Kineticheskiy Analiz
Tsepykh Reaktsii. V. Preobrazovaniye Formy
Reshenii Osnovnykh Uravnenii Kinetiki Tsepykh
Reaktsii dlya Sluchaya Dvukh Aktivnykh Chastits).
Jan 61 [16]p. 9 refs. RTS 1739.
Order from LC or SLA ml\$2.40, ph\$3.30 61-15732

Trans. of Zhur[na]l Fiz[icheskoy] Khim[ii] (USSR)
1959, v. 33, no. 5, p. 1100-1110.

Transformations of the form of the solutions of the
basic differential kinetic equations of chain reactions
for the case of two active species led to expressions
that directly show how the kinetic development of
chain reactions is affected by the magnitudes of the
generalized rate constants of the initial kinetic
(Chemistry--Physical, TT, v. 5, no. 12) (over)

61-15732

- I. Chemical reactions--
Mathematical analysis
2. Title: Chain reactions
- I. Vasil'yev, S. S.
- II. RTS-1739
- III. Department of Scientific and
Industrial Research
(Gt. Brit.)
- IV. Title: Rearrangement ...

106642

Office of Technical Services

Heat of Adsorption in the Electronic Chemical
Sorption Theory, by Sh. M. Kogan, V. B.
Sandomirskiy, 8 pp.

RUSSIAN, Sov. Jour. Phys. Chem., Vol. XXXIII, 1959,
pp 1129-1133.

AEC Tr-4299

Sci - Phys, Chem
21 Feb 61

140,948

Fedoseeva, O. P. and Tunitakli, N. N.
STUDY OF THE KINETICS OF ION EXCHANGE
SORPTION. III. COMPLETE EXCHANGE BETWEEN
MONOVALENT AND DIVALENT ION IN RESINS.
[1961] [9]p. 4 refs.

Order from OTS or SLA \$1.10

62-10307

Trans. of Zhurnal Fizicheskoi Khimii (USSR) 1959,
v. 33, [no. 5] p. 1140-1146.

DESCRIPTORS: *Ion exchange resins, Resins, Hydro-
gen, Sodium, Calcium, Strontium, Ions, Exchange
reactions, Reaction kinetics, Diffusion, Adsorption.

The effect was studied of the cationic form of the resin
on the diffusion coefficients of ionic microcomponents.
It is shown that monovalent as well as divalent ions
diffuse faster in a resin containing monovalent ions
than in a resin containing divalent ions. Swelling of
(Chemistry--Physical, TT, v. 7, no. 10) (over)

62-10307

I. Fedoseeva, O. P.
II. Tunitakli, N. N.
III. Title: Complete ...

Office of Technical Services

19

(DC-3692).

Boris Vasil'yevich Yerofeyev (On his 50th
Birthday), by S. V. Markevich, 4 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXIII, No 5,
1959, pp 1155, 1156.

JPRS 3368

USSR
Biog
Jun 60

117,571

Study of the Oxidation of Cyclohexane by
the Method of Inhibition During the Reaction,
by E. T. Denisov, 13pp.

RUSSIAN, per, Zhurnal Fizicheskoi Khimii,
Vol 33, 1959, No 6, pp 1198-1208.

CFSTI TT-64-18412

323,208

Sci - Chemistry

Apr 67

Presentation of the Equation of State of Real
Gas in Explicit Form in Terms of the Independent
Variables T and v , by V. A. Zagoruchenko,
P. M. Kessel'man, 8 pp.
RUSSIAN, per, Zhurnal Fizicheskoy Khimiy, Vol 33,
No 6, 1959, pp 1221-1229.
NTIS TT 69-55051

Sci/Chem
Dec 70

Investigation of the Surface State of Nickel
and Iron Cathodes From the Drop in Potential
After Disconnecting the Current, by
V. M. Past, Z. A. Iofa.
RUSSIAN, per, Zhurnal Fizicheskoy Khimii,
Vol 33, No 6, 1959, pp 1230-1237.
NASA TT F-11,770

Sci
Dec 68

371,123

A Study of the Wetting of Solid Surfaces of Refractory Oxides by Liquid Metals, by V. N. Yerenenko, Yu. V. Naydich.
RUSSIAN, per, Zhurnal Fiz Khimii, Vol 33, No 6, 1959, pp 1238-1245.
CIA X-6779

Oct 68

369,408

Investigation of the Influence of the Structure of Unsaturated Compounds on Their Reactivity in Copolymerization Processes. Part 2. The Effect of Different Substituents Attached to the Nitrogen on the Reactivity of Methacrylamide Derivatives With Respect to a Common Type of Radical, by G. A. Petrova, G. A. Shtraykhman, 9 pp.

RUSSIAN, per, Zhur Fiz Khim, , Vol XXXIII, No 6, 1959, pp 1246-1252.

195, 969

Sci

Vol 4, No 10, May 62

ATB-2304R
ATS/RJ-2450

The Effect of Ionizing Radiation of the Corrosion of
Metals Under Atmospheric Conditions, 11 pp.

ID 57623902
RUSSIAN, per, Zhur Fiz Khim, Vol XXXIII, No 6,
1959, pp 1256-1262.

ACSI, H-4619

Sci - Chem

Nov 59

TICKET T-2171

100,509

Zosimovich, D. P. and Bogatova, N. F.
ELECTRO DEPOSITION OF ZINC IN THE PRE-
SENCE OF SMALL QUANTITIES OF ANTIMONY AND
COBALT (Elektroliticheskoye Vydeleniye Tsinka v
Prisutstviy Mal'kikh Kolichestv Sur'my i Kobal'ta).
Nov 60 [S]p. 10 refn. RTS 1692.
Order from LC or SLA m51.80, jh51.80 61-15219

Trans. of Zhurnal Fizicheskoy Khimii (USSR) 1959,
v. 33, no. 6, p. 1324-1327.

It is established that in the presence of small quanti-
ties of antimony (0.05 mg/l) and cobalt (20 mg/l)
during the electrolytic deposition of zinc an increase
in polarisation is observed. When cobalt is present in
solutions containing 0.2 mg/l of antimony, the process
is determined by the presence of antimony. Antimony,
introduced into the electrolyte either as potassium
antimonyl tartrate (tartar emetic) or as antimony
sulphate, has the same influence on the course of the
polarisation curves. It is suggested that small
(Chemistry--Physical, TT, v. 5, no. 7) (over)

61-15219

- I. Zinc--Electrodeposition
- I. Zosimovich, D. P.
- II. Bogatova, N. F.
- III. RTS-1692
- IV. Department of Scientific
and Industrial Research
(Gt. Brit.)

148,730

Office of Technical Services

Phase Equilibria in the System Melamine-Ammonia,
by I. P. Krichevskiy, G. D. Efremova,

RUSSIAN, per, Zhur Fiz Khim, Vol XXXIII, No 6,
1959, pp 1328-1335.

ATS RJ-2040

Sci - Chem
Dec 59

103,974

A Method for Calculating Vapor-Liquid Equilibria
of Tricomponent Systems, by V. B. Kogan, V. M.
Safronov, 11 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXIII, No 6,
1959, pp 1353-1359.

SLA 60-17729

Sci

129,401

OTS, Vol IV, No 3

Sep 60

61-13488

Shilov, A. Ye. and Sabirova, R. D.
MECHANISM OF THE PRIMARY ACT OF DECOM-
POSITION OF CHLORINE DERIVATIVES OF METH-
ANE. I. DECOMPOSITION OF CARBON TETRACHLO-
RIDE AND METHYL CHLORIDE (Mekhanizm Pervich-
nogo Akta Termicheskogo Raspada Khlorproizvodnykh
Metana) Nov 60 [17]p. 19 refs. RTS 1527.
Order from LC or SLA ml\$2.40, ph\$3.30 61-13488

Trans. of Zhurnal Fizicheskoy Khimii (USSR) 1959
[v. 33] no. 6, p. 1365-1373.

The kinetics of the thermal decomposition of carbon
tetrachloride and methyl chloride in jets was investi-
gated. The primary decomposition in both cases takes
place with the disruption of a chlorine atom. A mech-
anism for the secondary reaction is suggested, which
agrees with the products of reaction and the kinetic
data. (Author)

(Chemistry--Physical, TT, v. 5, no. 4)

- I. Chlorides--Decomposition
- I. Shilov, A. Ye.
- II. Sabirova, R. D.
- III. Title: Decomposition...
- IV. RTS-1527
- V. Department of Scientific
and Industrial Research
(Gt. Brit.)

143,240

Office of Technical Services

Kazanskii, K. S., Entelis, S. G., and Chirkov, N. M.
THE SOLUBILITY OF GASEOUS ISOBUTYLENE IN
WATER. [1962] 6p.
Order from ATS \$8.95

ATS-97P64R

Trans. of Zhurnal Fizicheskoi Khimii (USSR) 1952,
v. 33, no. 6, p. 1409-1413.

DESCRIPTORS: *Butenes, Gases, Solubility, Water

ALL 8732 Ref (1110)

Natl Lib

Card

(Chemistry--Physical, TT, v. 9, no. 2)

63-12262

- I. Kazanskii, K. S.
- II. Entelis, S. G.
- III. Chirkov, N. M.
- IV. ATS-97P64R
- V. Associated Technical
Services, Inc., East
Orange, N. J.

ATS AT-2942

Carnegie

NAC 6-177

Office of Technical Services

Absorption Properties of Cellulose in the Process of
Its Thermal Decomposition, by T. V. Gatovskaya.

RUSSIAN, per, Zhur Fiz Khim., Vol 33, No 6, 1959,
pp 1418-1421.

*NTIS TT 71-51001

July 71

Marinin, V.A.
VARIATION THERMIQUE DU COEFFICIENT DE DIFFUSION DE CERTAINES SUBSTANCES DANS LE TETRACHLORÉTHANE ET LE TETRABROMMETHANE (Temperature Relation of the Diffusion Coefficient of Substances in Tetrachloro- and Tetrabromoethane). 5p. 5 refs. CNRS-VIII bis 690
Order from OTS, ETC or CNRS \$0.80 TT-62-26386

Trans. in French of Zhurnal Fizicheskoi Khimii (USSR) 1959, v.33, no.6, p.1430-1433.

DESCRIPTORS: Bromine compounds, Chlorine compounds, Hydrogen compounds, Carbon compounds, Diffusion, Heat, Ethanes.

(Chemistry--Physical, TT, v. 11, no. 7)

TT-62-26386

- I. Marinin, V.A.
- II. CNRS-VIII bis 690
- III. Centre National de la Recherche Scientifique, Paris

Office of Technical Services
European Translations Centre

The Thermodynamics of the Superstate, by V. K. Semanchenko, 8 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol IXXIII, 1959, pp 1440-1445.

ABC Tr-4271

Sci - Phys
9 Mar 61

141,572

Applying Thermodynamics of Irreversible Processes
to the Phase Theory. The Case of the Two Component
Two-Phase System at Constant Temperature and
Pressure, by Kiril A. Popov.

RUSSIAN, per, Zh. Fiz Khim, Vol 32, 1958,
pp 1638-47.

WAPD-tr-57

Sci - Chem
Oct 67

342,701

Ion Hydration and Its Mechanism. The Structure
and Dimensions of Hydrated Ions, by A. F.
Kapustinskiy, 15 pp.

RUSSIAN, per, Zhur Fiz Khim, 1958, Vol XXXII,
No 7, pp 1648-1657.

SLA 60-17725

Sci.

3 Mar 62

186, 171

Andreeva, V. V. and Shishakov, N. A.
DE L'ÉPAISSEUR DES PELLICULES D'OXYDES SUR
CERTAINES MÉTAUX SELON LES DONNÉES DES
ÉTUDES ELECTRONOGRAPHIQUES ET OPTIQUES
[On the Thickness of Oxide Films on Some Metals from
the Data of Electron Diffraction and Optical Investiga-
tions] tr. by de Trezvinaky. 22 Mar 60 [8]p. 5 refs.
CEA Trans. no. R 855 (text in French).
Order from OTS or SLA \$1.10

61-23816

Trans. in French of Zhurnal Fizicheskoi Khimii
(USSR) 1958, v. 32, no. 7, p. 1671-1672.
A translation in English is available from LC or SLA
ml\$1.80, ph\$1.80 as AEC-tr-3955, Jan 60, 5p.

DESCRIPTORS: *Metals. *Oxidation. *Thin films.
*Oxides. Electron diffraction analysis. Optical analysis.
Thickness.

For abstract see Technical Translations 3: 776. 1960.
(Chemistry--Physical, TT, v. 6, no. 6)

61-23816

- I. Andreeva, V. V.
- II. Shishakov, N. A.
- III. CEA-tr-R855
- IV. Commissariat à l'Énergie
Atomique (France)

176696

Office of Technical Services

Processing Approval
Req. 154-71

R--13363-D
28 June 1971

Zhur. Fiz. Khim. Vol. 32, pp. 1690-1691. (1958).
(Russian Journal of Physical Chemistry)

Medvedev, V. A.

Language: Russian

Please translate & type 1 copy only.

The Approximation Computation of the Temperature
Function of Heat Capacity, by M. Kh. Karapet'-
yants, 14 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXII, No 8,
1958, pp 1763-1773.

OTS 60-17719

Sci

30 Mar 62

188, 910

Processes of Catalytic Cracking of n-Paraffins,
by G. N. Ponomarev, A. A. Kuznetsova, 6 pp.

KHIMIKAT, par, Ther Via Khim (CHEM), Vol 2000,
No 8, 1958, pp 1779-1783.

Assoc Tech Serv

570202

ATS/RJ-1595

Sci. - Chem

May 59

Chem, V 3, No 6

86,347

The Mechanism of the Cathode Process in the
Electrolysis of a Fused $\text{NaCl}-\text{CaCl}_2$ Mixture on
an Iron Cathode, by L. Suskii, *ibid* 19 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXII, 1958,
pp 1785-1795.

AEC Tr 3658

Sci - Phys

*Dept of Science
TNT, E-7, No 303*

Jun 59

88,899

Catalytic Properties of Cerium Dioxide in the
Dehydrogenation and Dehydration of Alcohols
and in the Dehydrogenation of Cyclohexane, by
A. A. Tolstopyatova, A. A. Balandin.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXII, No 8,
1958, pp 1831-1841.

ATS RJ-1903

Sci - Chem
Dec 59

104,080

Antonovskaya, E.I., and Sukhotin, A.M.
SUR LES PARTICULARITES DE L'ACTIVATION
ANODIQUE DU CHROME ET DES ACHERS AU CHROME
II (Ob Osobennostyakh Anodnogo Aktivirovaniya Khroma
i Khromistykh Stalей). III (Peculiarities of the Anodic
Activation of Chromium and Chromium Steels. II) 14p.
(foreign text included) 5refs, CNRS-VIII bis 584,
Order from OIS, ETC or CNRS 50,80 TT-62-28263

Trans. in French of Zhurnal Fizicheskoi Khimii (USSR)
1958, v. 32, no. 8, p. 1427-1440.
Trans. in English available from: ATS \$8.00 as
ATS-63M41R.

DESCRIPTORS: *Chromium, *Chromium alloys,
Iron alloys, Steel, Anodes, Activity coefficient, pH.

(Metallurgy--Ferrous Metals, TT, v. 11, no. 8)

TT-62-28263

I. Antonovskaya, E.I.
II. Sukhotin, A.M.
III. CNRS-VIII bis 584
IV. Centre National de la Recherche
Scientifique, Paris

Office of Technical Services
European Translations Centre

S-322/60

(NY-3919)

Studies of Thermodynamic Properties of Substances
With the Aid of the Method of Explosion in a
Spherical Bomb, by V. A. Medvedev, 12 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXII, No 8, 1958,
pp 1851-1853.

JPRS 2842

Sci - Chem

Jul 60

120,061

Enthalpy of Corundum in the Temperature Range From
100 to 900° C, by K. Z. Gomselskiy, 8 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXIII, No 8, 1958,
pp 1859-1862.

Dept of Commerce
Natl Bur of Standards
Dr Henry Birnbaum

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Sci - Chemistry
Jun 59

89,476

Study of Initiation and Propagation of Spheroidal
Detonation, by V. B. Laonas.

RUSIAE, per, Zhur Piz Khim, Vol XXIII, No 6,
1958, pp 1869-1872. 9673491

Entry 2012/T-58

Sci - Physics
Feb 59

81,165

61-23784

Leon'tev, E. A. and Luk'yanovich, V. M.
TECHNIQUE DE PREPARATION DES CORPS POREUX
ET PULVERULENTS POUR L'ETUDE AU MICRO-
SCOPE ELECTRONIQUE PAR LA METHODE DES
REPLIQUES [Tekhnika Preparirovaniya pri Provedenii
Elektronno-Mikroskopicheskikh Issledovaniy Poristykh
i Poroshkooobraznykh tel Metodom Replik] (Technique
for Preparation of Porous Bodies and Powders for
Electron Microscopic Study by the Replica Method) tr.
by Bouchicot. 21 Jan 60 [14]p. 8 refs. CEA Trans.
no. R 812 (text in French).
Order from OTS or SLA \$1.60 61-23784

Trans. in French of Zhurnal Fizicheskoi Khimii
(USSR)1956, v. 32, no. 8, p. 1922-1925

DESCRIPTORS: *Porous materials, *Powders, Electron

(Physics--Optics, TT, v. 6, no. 7)

- I. Title: Replicas
- I. Leon'tev, E. A.
- II. Luk'yanovich, V. M.
- III. CEA-tr-R812
- IV. Commissariat à
l'Energie Atomique
(France)

Office of Technical Services

Fedotov, N.A.
PROPRIÉTÉS DES ELECTRODES DE VERRE AU
LITHIUM (Elektrolynye Svoystva Litieyogo Stekla) (The
Electrode Properties of Lithium Glass), 19p. (Foreign
text included 2 refs., CNRS-VIII bis 487.
Order from OLS, ETC or CNRS \$0.80 TT-62-28257

Trans. in French of Zhurnal Fizicheskoi Khimii (USSR)
1958, v.32, no.9, p.1951-1957.

DESCRIPTORS: *Glass electrodes, *Lithium,
Chemical properties, High temperature research,
Measurement.

(Chemistry--Physical, TT, v. 11, no. 8)

TT-62-28257

I. Fedotov, N.A.
II, CNRS-VIII bis 487
III, Centre National de la Recherche
Scientifique, Paris

Office of Technical Services
European Translations Centre

Investigation of Hydrogen Over-Voltage on
Germanium, by Ye. A. Yefimov, I. G. Yermolovich.
9 pp.

RUSSIAN, per, Zhur Fiz Khim USSR, Vol XXXII,
No 9, 1958, pp 1967-1970.

SLA 59-15004

Sci
Dec 59
Vol 2, No 4

103085

63-12474

Bogoyavlenskii, P. S.
THE EFFECT OF LARGE MONOVALENT IONS ON
THE STRUCTURE OF WATER AND ITS INFLUENCE
ON THE SOLUBILITY OF SALTS. [1962] 8p.
Order from ATS \$13.50 ATS-00P65R

Trans. of Zhurnal Fizicheskoi Khimii (USSR) 1958,
v. 32, no. 9, p. 2035-2041.

DESCRIPTORS: *Water, Molecular structure, Ions,
*Salts, Solubility.

I. Bogoyavlenskii, P. S.
II. ATS-00P65R
III. Associated Technical
Services, Inc.,
East Orange, N. J.

ATC RJ-3742

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

Office of Technical Services

On the Permeability of Iron in Hot Concentrated
Alkaline Solutions, by A. M. Sukhotin, K. M.
Kertashova. UNCLASSIFIED

(7 pp.)

RUSSIAN, per, Zhur Fis Khim, Vol XXXII, No 9, 1958,
pp 2068-2072. 967647

Navy 2365/BRJ. 757

Sci - Physics
Nov 59

CIA/TDD X-3756

101,413

Phase and Volume Correlations in Liquid-Gas ~~SYSTEMS~~
Systems Under High Pressures. VI.. System
Cyclohexane-Hydrogen, by I. P. Erichevskiy,
F. T. Sorina, 11 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol. XXXII,
No 9, 1958, pp 2080-2086.

SLA 60-11057

Sci
Vol IV, No 5
Mar 62

188, 446

Verigin, N. N. DIFFUSION À LA SURFACE D'UN CORPS SOLIDE PLONGÉ DANS UN LIQUIDE [Diffuziya u Poverkhnosti Tverdogo Tela, Nakhodyashchegosya v Zhidkosti] [Diffusion at the Surface of a Solid Body Immersed in a Liquid] tr. by M. Grekow. 22 June 60 [22]p. 10 refs. CEA Trans. no. R 984 (text in French). Order from OTS or SLA \$2.60 61-15803 Trans. in French of <u>Zhurnal Fizicheskoy Khimii</u> (USSR) 1958, v. 32, no. 9, p. 2097-2106. DESCRIPTORS: *Diffusion, Solids, *Corrosion, Concrete, Rock, Liquids. (Chemistry--Physical, TT, v. 6, no. 2)	61-15803 I. Verigin, N. N. II. CEA-tr-R984 III. Commissariat à l'Énergie Atomique (France) 10870 Office of Technical Services
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Investigation of the Absorption of Ions on Platinum and
Platinum by Measuring the Adsorption Potentials, by
A. D. Obrucheva, 13 pp.

RUSSIAN, per, ~~Zhur-Bla-Klin~~, Vol XXXII, No 9, 1958,
pp 2155-2160.

NDF-O-110

Sci
Nov 59

101,331

Effect of Ionizing Radiation on Aqueous
Solutions of Potassium Nitrate, by
A. M. Kabakchi, V. A. Gramolin, 11 pp.
RUSSIAN, per, Zhurnal fizicheskoiy khimiy,
Vol 32, 1958, No. 9, pp 2149-2154.
AEC-RFP-TRANS P911263468-V

Sci/Chem
Oct 68

369,446

Dissolution Anodique des Metaux Dans les Sels Fondus,
II. Beryllium. (Anodic Dissolution of Metals in
Fused Salts. II. Beryllium), by M. V. Smirnov,
N. Ya. Tuchukreyev, 21 pp.

RUSSIAN to FRENCH, per, Zhur Fiz. Khim, Vol XXXII,
1958, pp 2165-2173.

Reverse Trans
CEA tr R-653

Nov 59

Cathodic Processes in the Deposition of
Beryllium From Fused Electrolytes, by M. V.
Svirnov, L. V. Ivanovskiy, 15) pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXII, 1958,
pp 2174-2182.

ARC Tr-4416

Sci - Phys
May 61

150,330

Phenomenes Accompagnant le Depot Electrolytique du
Beryllium a Partir des Sels Fondus. (Phenomena
Accompanying the Electrolytic Deposition of
Beryllium From Fused Salts), by M. V. Smirnov,
L. E. Ivanovskiy, 18 pp.

RUSSIAN to FRENCH, per, Zhur Fiz Khim, Vol XXXII,
1958, pp 2174-2182.

Reverse Trans
CEA tr R-661

Nov 59

Determination of the Specific Surface Areas of
Porous Bodies and of Powders by the Method of
Gaseous Flow Under Low Pressure, by S. G. Entelin.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXII, No 9,
1958, pp 2187-2191.

ATS RJ-2167

Sci - Chem

May 60

115,445

On the Nature of Cold Flame Phenomena, by H. S.
Brikolopian, et al.

EN
RUSSIAN, per, Zhur Fiz Khim, Vol XXII, No 9,
1958, pp 2224-2226.

Navy 1989/T-59

Sci - Physics
Jan 59

79,884

Polymerization of Chlorinated Styrene Derivatives and Their Copolymerization with Vinyl Chloride, by G. V. Tkachenko, I. V. Stupen', et al., 10 pp.

RUSSIAN, per, Zhur Fiz Khim, 1958, Vol XXXII, No 10, pp 2250-2255.

SLA 59-10445

Sci - Chem
CTS I, 12
Jul 59

92, 262

61-23780

Balashova, N. A.
ADSORPTION DES IONS BROME ET IODE SUR LE
PLATINE [Adsorbtziya Ionov Broma i Yoda na Platina]
[Adsorption of Bromine and Iodine Atoms on Platinum] tr.
by Mine. Simon. 5 July 60 [21]p. 28 refs. CEA Trans.
no. R 964 (text in French).
Order from OTS or SLA \$2.60

61-23780

Trans. in French of Zhurnal Fizicheskoi Khimii
(USSR) 1958, v. 32, no. 10, p. 2266-2273.
A translation in English is available from MDF \$6.00 as
MDF B-151 [1959] 12p.

DESCRIPTORS: *Platinum electrodes, *Adsorption,
Bromine, Iodine, Ions.

For abstract see Technical Translations 3: 566, 1960.

(Chemistry--Physical, TT, v. 6, no. 6)

I. Balashova, N. A.
II. CEA-tr-R964
III. Commissariat à l'Énergie
Atomique (France)

176685

Office of Technical Services

The Cause of the Anticorrosion Effect of Sodium
Nitrite on Iron, by N. A. Shishakov, 6 pp.
UNCLASSIFIED

RUSSIAN, per, Zhur Fiz Khim, Vol XXXII, No 10,
1958, pp 2282-2286. 9676948

Navy 2366/NRL 758

Sci - Physics
Nov 59

CIA/TDD X-3757

101,415

Separation of the Photochemical From the Light-
Filtering Effect and Latent Photosensitization, by
Yu. S. Zuev.

RUSSIAN, per, Zhur Fiz Khim, Vol XXIII, No 10, 1958,
pp 2308-2314.

ATS RJ-1724

SLA 62-18171

Sci - *chem*
Jul 59

90, 458

The Conversion of Methane to Acetylene in the
High Voltage Arc, Part I, by E. N. Yerevin, et al.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXII, No 10,
1958, p 2315

2323

Navy 2232/T-147

ATS-RT-1917

Approved for Release

1760-21928

SHR 60-21928

Sci² Chem
Jul 59

92, 812

The Promoting Effect of Cobalt Iron on the Chromate
Ion Catalyzed Decomposition of Hydrogen Peroxide, by
G. L. Petrova, G. A. Bogdanov.

RUSSIAN, per, Zhur Fiz Khim, Vol XXIII, No 10, 1958,
pp 2324-2332.

MLL RTS 2269 (*Lozci*)

Sci - M/M
Feb 64

248, 283

The Kinetics and Mechanism of Catalytic Conversions
of Acetylene, II, Some Questions of the Mechanism
of the Addition of Various Molecules to Acetylene. by
R. M. Flid, 15 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XIXII, No 10,
1958, pp 2339-2346.

SIA 59-10444

ATS-RJ-1908

Sci - Chem

Sep 59

Vol 2, No 1

97, 281

63-10216

Vagin, F. V. and Zhukhovitskii, A. A.
THEORY OF THERMAL-ADSORPTIVE SEPARATION.
26 June 61, 25p. 6 refs.
Order from OTS or SLA \$2.60

63-10216

I. Vagin, F. V.
II. Zhukhovitskii, A. A.

Trans. of Zhurnal Fizicheskoi Khimii (USSR) 1958,
v. 32, no. 10, p. 2362-2373.

DESCRIPTORS: *Adsorption, Separation, Gases, Sorp-
tion, Chromatographic analysis, Thermal diffusion,
Equations of state, Theory.

A theory of thermal-adsorptive separation of gases
based on the assumption of pressure equality in the
sorber layer is presented. In the case of an infinitely
great sorption rate and of absence of longitudinal dif-
fusion in the process of thermal desorption, a distribu-
tion of the adsorbed substance corresponding to the
temperature field is established, the motion velocities
(Chemistry--Physical, TT, v. 10, no. 3) (over)

Office of Technical Services

On the Charging of a Semiconductor Surface^F
During Adsorption, by F. F. Vol'menshteyn, 12 p.

RUSSIAN, per, Zhur Fiz Khim, 1958, Vol XXXII,
No 10, pp 2353-2391.

NDF V-135

Sci
Mar 60
Vol 2, No 1.1

109,670

On the Nature of the Negative Temperature Coefficient of the Rate of Radical Combination, by A. D. Stepankhovich.

RUSSIAN, per, Zhur Fiz Khim, Vol XXIII, No 10, 1958, p 2415. - 2417.

Navy 2233/T-1A8

Sci - Physics
Jul 59

OTS 60-21789

92,813

The Radiation Oxidation of Nitrogen). III. Some Questions Concerning the Mechanism of the Reaction and a Comparison With Electrical Discharge Data, by M. T. Daitryev.

RUSSIAN, per, Zhur Fiz Khim, Vol XXII, No 10, 1958, p 2418. - 2423

NAVY 2234/T-149
OTS 60-21784

Sci - Physics
Jul 59

92, 815

The Present State of Research on the Phase Diagram
of the Boron-Carbon System, by G. V. Samsonov, 7 pp

RUSSIAN, per, Zhur Fiz Khim USSR, Vol XXXII, No 10,
1958, pp 2424-2429.

ATS-55L31^R

Sci
Dec 59
Vol 2, No 4

102, 778

Electrochemical Properties of Zirconyl
Phosphate. Part 1. Electrode Properties
of Membranes, by E. A. Materova.
RUSSIAN, per, Zhurnal Fizicheskoi Khimii,
Vol 38, 1964, pp 676-680.
NTC 72-10454-07D

Apr 72

The Rate of Desorption, by D. P. Timofeyev.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXII, No 11,
1958, pp 2483-2486.

NIL M. 2577

Sci - Chem

173, 878

Nov 61

61-20705

Tkachenko, G. V., Stupen, L. V. and others.
THE COPOLYMERIZATION OF VINYL CHLORIDE
WITH METHACRYLIC ACID ESTERS. [1961] [9]p.
10 refs.

Order from OTS or SLA \$1.10

61-20705

Trans. of Zhurnal Fizicheskoi Khimii (USSR) 1958.
v. 32, no. 11 [p. 2492-2499].

DESCRIPTORS: *Vinyl chlorides, Copolymerization,
Polymerization, *Acrylic acids, Acids, Esters,
Benzoates, Polymers, Molecular weight.

The copolymerization of vinyl chloride with methyl-,
n-butyl-, n-octyl methacrylates and vinyl benzoate
was studied. The rates of the copolymerization of
vinyl chloride with methacrylates and the molecular
weights of the polymers in all of the corresponding
monomers are less than with acrylates. These values
(Chemistry--Organic, TT, v. 7, no. 10) (over)

I. Tkachenko, G. V.
II. Stupen, L. V.

Office of Technical Services

Yerenin, Ye. N.
THE KINETICS OF ELECTROCRACKING OF METH-
ANE [K Voprosu o Kinetike Elektrotrakinga Metana].
[1961] 7p.
Order from ATS \$12.55

ATS-52N51R

Trans. of Zhurnal Fizicheskoy Khimii (USSR)
1958, v. 32, no. 11, p. 2543-2549.

DESCRIPTORS: *Methanes, Decomposition, Hydro-
carbons, Reaction kinetics.

(Chemistry--Physical, TT, v. 6, no. 3)

61-22612
(63-17417)
I. Yerenin, Ye. N.
II. ATS-52N51R
III. Associated Technical
Services, Inc., East
Orange, N. J.

ATS-RJ-2892

125823

Office of Technical Services

Studies in the Mechano-Chemistry of Polymers
XK111. Mechanical and Chemical Processes
in the Mastication of PVC, by A. A. Berlin,
et al.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXII,
No 11, 1958, pp 2565-2570.

CSIRO

207,417

Sci - Chem
Aug 62

The Use of the Electric Arc in Calorimetry,
by A. F. Vorob'yev, S. M. Skuratov, 8 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXII, No 11,
1958, pp 2580-2585.

SLA 60-13082

Sci
Aug 61

OTS, Vol III, No 12

163,132

S-85/60

(NY-3554).

On the Computation of a Single Coefficient of the
Separation of Isotopes for Equilibrium Processes,
by Ye. M. Kuznetsova, A. V. Makarov, G. M.
Panchenkov, 3 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXII, No 11,
1958, pp 2641-2643.

JPRS 2476

114,730

Sci - Chem
Apr 60

1/19/59

"The 40 th Anniversary of the Physico-Chemical
Institute imeni L. Ya. Karpov" /unsigned article/,
Zhurnal Fizicheskoy Khimii, Vol 32, No 12,
Dec 58, pp 2657-2662.

SIR T-16.

NCH-202 507

Field 7D

Slaytina, Z. A.
THE INHIBITING EFFECT AND THE STRUCTURE OF
INHIBITORS. 2. THE INHIBITED POLYMERIZATION
OF METHYLACRYLATE. 1965, 16p. TC-1221.
Order from TC: \$15.00 as TC-1221

Trans. of Zhurnal Fizicheskoy Khimii (USSR) v32 n12
p2663-73, 1958.

I. Trans-Chem
Knoxville, Tenn.
II. Title: Inhibited. . .

The Electrochemical and Corrosion Behavior of
Steel and Nickel Electrodes in Sulphuric Acid
Solutions Subjected to the Action of Rays, by
N. Ya. Bune, Ya. M. Kolotyrkin, G. S. Tyurikov,
11 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXII, 1958,
pp 2679-2685.

AEC NP Tr-445

Sci - Chem

125, 848

Relation Between the Energy Yield and the Kinetics
of a Radiation-Chemical Reaction, by S. Ya.
Peheshetskiy, M. T. Dmitryev. UNCLASSIFIED

RUSSIAN, per, Zhur Fiz Khim, Vol XXII, No 12,
1958, pp 2686-2689. 92,828

Navv 2211/MRL 717

Sci - Physics, Chem
Jul 59

92,828

Shatenshteyn, A. I. and Izraelovich, E. A.
COMPARISON OF DEUTERO EXCHANGE AND
METALATION OF ALKYL BENZENES. [1962] [9]p.
30 refs.

Order from OTS or SLA \$1.10

63-15923

Trans. of Zhurnal Fizicheskoi Khimii (USSR) 1958
[v. 32] no. 12, p. 2711-2716.

DESCRIPTORS: *Metalorganic compounds, *Potassium
compounds, Amides, *Alkyl radicals, *Benzenes,
*Deuterated compounds, Exchange reactions, *Metal-
tion, Reaction kinetics

The rate of deuterio exchange between a solution of
potassiumide (0.02N) in liquid deuterioammonia and the
aromatic rings and alkyl groups of the following alkyl
benzenes: $\text{C}_6\text{H}_5\text{CH}_3$, $\text{iso-C}_6\text{H}_5\text{C}_3\text{H}_7$, $\text{tert-C}_6\text{H}_5\text{C}_4\text{H}_9$,
and $n\text{-C}_6\text{H}_5\text{C}_6\text{H}_5$ has been measured at 25, 10, and 0°C .
It has been found that deuterio exchange and the metal-
(Chemistry--Physical, TT, v. 10, no. 1) (over)

63-15923

I. Shatenshteyn, A. I.
E. Izraelovich, E. A.
III. Translations, New York

Office of Technical Services

The Use of Radioactive Sulfur to Study Hydro-
Folischung of Ammonia-Synthesis Catalysts, by
Su. K. Suleitnikova, L. O. Apel'bayev, H. I.
Kaditkin.

RUSSIAN, PER, KHIM FIZ ABIM, Vol. 1958, No 12,
1958, pp 2717-2724.

OSIR LLU M.791(100) Dept of Interior
TNT, E57, No 162

Sci. - Chem
Jan 60

SIA 59-18543 105046

Dissociation of Deuterooctane Under Elec-
tron Impact, by M. V. Gur'yev, M. V.
Mikhomirov, 10 pp.

RUSSIAN, per, Zhur Fil Khim, Vol XXXII,
No 1EX2, 1958, pp 2731-2738.

ATS-08M2R
ATS/RS-2545

Sci.
Vol IV, No 11
Jun 62

199, 250

Boraskov, G. K.
CATALYST INTERACTION WITH THE REACTION
SYSTEM. [1963] 10p. 20 refs.
Order from OTS or SLA \$1.10

63-14330

Trans. of Zhur[na]l Fiz[icheskoi] Khim[ii] (USSR) 1958,
v. 32 [no. 12] p. 2739-2747.

DESCRIPTORS: *Catalysts, Chemical reactions, Theory,
Metals, Oxides, Reaction kinetics.

In the course of a catalytic reaction, besides the
action of the catalyst on the reagents, there is always
an action on the reacting system on the catalyst
leading to changes in its composition and consequently
in its properties. To each composition of the reacting
mixture there corresponds a definite, steady state
composition of the catalyst depending upon the ratio of
the rates of interaction between the catalyst and the
(Chemistry--Physical, TT, v. 10, no. 3) (over)

63-14330

I. Boraskov, G. K.

Office of Technical Services

The Conversion of Methane to Acetylene in a High-Voltage Arc. Part 2. The Effect of Hydrogen, by E. N. Eremin,

RUSSIAN, per, Zhur Fiz Khim, Vol XXXII, No 12, 1958, pp 2767-2772.

ATS RJ-2073

ATS-861316

Sci - Chem

May 60

115,379

The Mechanism of Formation of H_2O and H_2O_2 in the
Reaction of Hydrogen Atoms With Oxygen Molecules,
by L. I. Avramenko, R. V. Kolesnikova. 1958

RUSSIAN, per, Zhur Fiz Khim, Vol XXXII, No 12,
1958, pp 2780-2786.

DSIR LIU RTS 1218

(17s. 6d.)

Sci - Chem
How 59

100,787

The Kinetics of Consecutive Reactions in a
Recycle-Flow System, by S. V. Dobrovol'skiy,
V. Ya. Polotnyuk.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXII, No 12,
1958, pp 2792-2795.

SLA 84-1000
ATS RJ-2037

Sci - Chem
Dec 59

103,971

Bochnar, D. A., Gambaryan, N. P., Stankevich, I. V.,
and Chistyakov, A. L.

A QUALITATIVE DETERMINATION OF THE STABILITY OF HETEROCYCLIC SYSTEMS WITHIN THE FRAMEWORK OF THE HUCKEL APPROXIMATION. [1963] 9p 2refs

Order from OTS, SLA, or BTG \$1.10 TT-63-20684

Trans. of Zhur[osl] Fiz[icheskoi] Khim[ia] (USSR) 1958, v. 32 [no. 12] p. 2797-2802. (Abstract available)

DESCRIPTORS: *Heterocyclic compounds, *Organoboranes, Chemical bonds, Stability, Atomic orbitals, Polynomials,

A purely qualitative method is proposed for deciding, within the framework of the Hückel approximation, the question of the presence of a "closed electron shell" in conjugated systems and, in this sense, the question of the relative stability of such systems. This method con- (Physics--Molecular, TT. v. 11, no. 3) (over)

TT-63-20684

1. Title: Borepin
2. Title; Hückel approximation
3. Title: Molecular orbital theory

- I. Bochnar, D. A.
- II. Gambaryan, N. P.
- III. Stankevich, I. V.
- IV. Chistyakov, A. L.

Office of Technical Services

Thermochemistry of Isotopes. 2 I. Calorimetric
Investigation of the Heat of Formation of Hydrogen
Sulfide and Deuterium Sulfide, by A. F. Kapustinskiy,
R. T. Kan'kovskiy, 12 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXII, No 12, 1958,
pp 2810-2816.

US Dept of Commerce
National Bur of Standards

Sci - Phys
May 61

148,776L

Filippov, Yu. V. and Yemel'yanov, Yu. M.
ELECTRICAL THEORY OF OZONIZERS. III. THE
ELECTRIC CURRENT IN OZONIZERS (Elektriches-
kaya Teoriya Ozonatorov. III. Elektricheskiy Tok v
Ozonatorakh) tr. by E. Feigl. [1960] [14]p. (foreign
text included) 5 refs. Trans. no. 4850.
Order from LC or SLA ml\$2.40. ph\$3.30 61-15173

Trans. of Zhurnal Fizicheskoy Khimii (USSR) 1958,
v. 32, no. 12, p. 2817-2823.

The previous theory (Zhur. Fiz. Khim. 31: 1628, 1957)
is used to derive expressions for the dependence of the
effective and mean values of the strength of the current
flowing through the ozonizer on (1) the parameters of
the apparatus and (2) the magnitudes of the voltage ap-
plied to the terminals. (See also 59-10012)

(Engineering--Electrical, TT, v. 5, no. 5)

61-15173

1. Electric discharges
2. Ozone--Production
3. Title: Ozonizer
1. Philippov, Yu. V.
- II. Yemel'yanov, Yu. M.
- III. Title: Electric...
- IV. CSIRO Trans-4850
- V. Commonwealth Scientific
and Industrial Research
Organization (Australia)

146,964

Office of Technical Services

12 216

US-14 *UK-12

GUR'EV M. V., TIKHOMIROV M. V., TUNITSKII N. N.

The mass spectra of large molecules

* Zhur. Fiz. Khim., 32, No. 12, p. 2847 (1958)

US-14: ATS-09M42R. \$ 2.75 - English

*UK-12: English

E u r a t o m
ATS/RJ-2546

The Synthesis of Some Deuterated Aromatic Hydrocarbons and their Raman Spectra, by A. I. Shatenshteyn.

RUSSIAN, per. Iz Fiz Khim, Vol 32, No 1, 1958, pp 146-151.

HEW-NIH
12-4-67

Sci/B & M
Feb 68

349,425

ZHURNAL FIZICHESKOY KHIMII -- monthly
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Vol 33, Nos 7-12, 1959

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No 7, pp 1674-1675 JPRS 3368

No 12, pp 2755-2766 JPRS 2736

Viscosity Measurements with Microamounts of
Liquid, by V. S. Bondarenko.
RUSSIAN, per, Zhurnal Fizicheskoi Khimii, Vol 38,
1964, pp 1273-1275.
NTC 71-14363-07D

Mar 72

(NY-4844)

CO + O₂ Flame Radiation and the Mechanism of This
Reaction, by M. Zatsiorskiy, V. Kondrat'ev, S.
Solnyshkova, 14 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XIV, No 12, 1960,
pp 1521-1527.

JPRS 7532

Sci - Chem

Feb 61.

139.356

Electrosynthesis of O₃. I. Kinetics of the
Synthesis of O₃ Under Flow Conditions, by
Yu. V. Filippov, Yu. H. Enol'yanov.
RUSSIAN, per, Zh Fiz Khim, Vol 35, 1961,
pp 407-415.
AEC-ANL-Trans-522

Sci-Chem
Jan 68

348,751

10661-1

62-24573

Zarif'yants, Y. A., Kiseliev, V. F., and
Fedorov, G. G.
ADSORPTION CHIMIQUE DE L'OXYGÈNE A LA SUR-
FACE D'UN GRAPHITE FAIBLEMENT FORMÉ (Rus-
sian) Fizicheskaya Adsorbtsiya Kisloroda na Poverkhnosti Svez-
hego Raskola Grafita tr. by Malilovic. 26 Dec 61
[8]p. (Russian text included) 3 refs. CEA Trans.
no. R 1452 (text in French).

Order from OTS or SLA \$1.10

62-24573

Trans. in French of #Zh[urnal] Fiz[icheskoi] Khim[ii]
(USSR) 1961, v. 35, no. 8, p. 1885-1886.

DESCRIPTORS: *Adsorption, *Oxygen, *Graphite,
Cooling, Temperature.

(Chemistry--Physical, TT, v. 8, no. 3)

- I. Zarif'yants, Y. A.
- II. Kiseliev, V. F.
- III. Fedorov, G. G.
- IV. CEA-tr-R1462
- V. Commissariat à l'Energie
Atomique (France)

Office of Technical Services

(SF-1878)

Ukrainian Republican Conference on Adsorption and Methods of Chromatographic Analysis, by K. V. Chmutov, 6 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXV,
No 9, pp 2170-2172.

JPRS 13⁶70

Sci. - Chem

May 62

193, 511
keep in file

(SF-2212)

M. M. Dubinin, by B. P. Bering, V. V. Serpinskiy,
5 pp.

RUSSIAN, per, Zhurnal Fizicheskoy Khimii,
No 11, 1961, pp 225-227.

JPRS 13882

USSR
Biog
Jun 62

63-10748

Kobozev, N. I., Semiokhin, I. A., and Pitskhelauri, E. N.
REACTION BETWEEN HYDROGEN AND OXYGEN IN THE SILENT ELECTRICAL DISCHARGE. VIII. MECHANISM OF THE PROCESS (Vzaimodeistviye Vodoroda s Kislorodom v Tikhom Elektricheskom Razryade).
[1962] 115 p. 14 refs.
Order from ODS or SLA \$1.60

63-10748

Trans. of *Zhurnal Fizicheskoi Khimii* (USSR) 1962, v. 36 [no. 3] p. 443-448.

DESCRIPTORS: *Hydrogen, *Oxygen, *Electric discharges, Chemical reactions, *Reaction kinetics, Electrochemistry.

Water vapors and particularly argon have been shown to be energy catalysts of the formation and of the decomposition of H_2O_2 . At low concentrations they act (Chemistry--Physical, TT, v. 10, no. 3) (over)

I. Kobozev, N. I.
II. Semiokhin, I. A.
III. Pitskhelauri, E. N.
IV. Title: Mechanism ...

Office of Technical Services

Vysotskite—a New Sulphide of Palladium and
Nickel, by A. D. DGenkin, O. E. Zvyagintsev.
RUSSIAN, per, Zapiski Vsesoyuznogo Mineralogiche-
skogo Obshchestva, Vol 91, No 6, 1962,
pp 718-725.
NLL RTS 2713

Sci - Earth Sci & Ocean
Sept. 67

340,391

Marina, L. I., Nashel'ski, A. Ya., and Yakobson,
S. V.

INVESTIGATION OF THE DECOMPOSITION PRESSURE
OF GALLIUM PHOSPHIDE. [1962] 11p. 16 refs.

Order from OTS or SLA \$1.60

63-10772

Trans. of Zhurnal Fizicheskoi Khimii (USSR) 1962,
v. 36, no. 5, p. 1086-1088.
Another trans. is available from OTS or SLA \$1.10
as 62-18968, 2 Aug 62 [8]p.

DESCRIPTORS: *Semiconductors, *Gallium compounds,
*Phosphides, Decomposition, Pressure, Crystallization,
Temperature, Phosphorus, Vapor pressure.

The temperature dependence of the decomposition
pressure of gallium phosphide expressed in the following
terms has been determined

$$\lg P = - \frac{10770}{T} + 9,996.$$

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

(over)

63-10772

I. Marina, L. I.
II. Nashel'ski, A. Ya.
III. Yakobson, S. V.

Office of Technical Services

Electrosynthesis of Ozone. V. Synthesis of Ozone
in a Flow Under Reduced Pressure, by V. G. Samoylovich,
V. P. Ventillo.

RUSSIAN, per, Zhur Fiz Khim, Vol. XXXVI, No 5, 1962,
pp 989-992.

PTD-TT-62-1462

Sci - Chem

Oct 62