

(NY-6499)

Method of Approximate Estimate of the
Distribution of the Electron Current
Over the Surface of Anodes and Elec-
tronic Vacuum Tubes With Oxide
Cathodes, by P. V. Pshekhonorov, I. A.
Zaytsev, Yu. M. Moskvichev, 6 pp.

RUSSIAN, per, Iz VUZ, MVO Radiotekhn,
Vol IV, N 3, 1961.

JPRS 11524

Sci
Jan 62

179,444

1612(7)-D

Effect of Hydrodynamic Interaction Between Small
Cloud Drops Upon Their Falling Speed, by S. V.
Pshenay, Severin, 12 pp.

RUSSIAN, per, Is Ak Nauk SSSR, Ser Geofiz,
No 8, Moscow, 1957, pp 1045-1051.

US JPRS L-1355-D

Sci - Geophysics
Jan 59

79,985



L. Ye. Pshenichnaya

Information Retrieval Based on Meaning
Codes, by L. E. Pshenichnaya.
RUSSIAN, per, Nauchno-Tekhnicheskaya
Informatsiya, No 6, 1964, pp 25-26.
NTC 72-10224-05B

Apr 72

Some Aspects of Operation of Porous Gas
Diffusion Electrodes, by A.G. Pshenichnikov.
RUSSIAN, per Tопливные Элементы, (Fuel
Cells), Akad. Nauk. SSSR Inst. Elektrokhim
1964, pp 18-30
NLL/5828.4 1965 (5703)

A.G. Pshenichnikov

Sci -
Aug 67

337-593

A Search for Information on Sensual Codes,
by L. E. Pshenichnaya, E. F. Skorokhodko,
8 pp.

RUSSIAN, per, Nauchno-Tekh Informatsiya,
No 6, 1964, pp 25-26. TP5002618-
FTD-TT-65-1880

L. E. Pshenichnaya

Sci - Elec & Elect Engr
Doc 56

314,211

78
Information Retrieval with the aid of
Common Meaning Codes, by L. E.
Pshenichnaya and E. F. Skorokhod'ko.
RUSSIAN, per, Nauchno-Tekhnicheskaya
Informatsiya, No 6, 1964, pp 25-26.
*PTD-MT-65-309

Li E. Pshenichnaya

Sci M&DP
July 65

71
An Information Retrieval System, by
T. A. Gyzanichina, and L. E. Pshenichnaya,
70 pp.
RUSSIAN, booklet, Sistemy informatsionnogo
poiska, Kiev, Naukova Dumka, 1964, pp 1-64.
JPRS 31540

1965
Oct-Feb and IP
Aug 65

207,642

Pshenichnikov, A. G.
TRANSFORMATION OF THE CHEMICAL ENERGY OF
FUEL INTO ELECTRICAL ENERGY IN FUEL CELLS
(Prebrazovaniye Khimicheskoy Energii Topliva v
Elektricheskuyu v Toplivnykh Elementakh). 26 Oct 60
[21]p. (3 figs. omitted) 13 refs. MCL-401/1.
Order from LC or SLA mi\$2.70, ph\$4.80 61-19402

Rough draft trans. of Teploenergetika (USSR) 1956
[v. 3] no. 10, p. 47-51.

A survey.

(Chemistry--Physical, TT, v. 5, no. 10)

61-19402

1. Electric batteries--
Development
2. Electrochemistry
3. Title: Fuel cells
- I. Pshenichnikov, A. G
- II. MCL-401/1
- III. Technical Information
Center, Wright-Patterson
AFB, Ohio

Office of Technical Services

(NY-5222)

Advanced Work Methods of Section Linemen, I. V.
Bessonov -- Recommended to all Linemen, by A. V.
Pahenichnikov, 6 pp.

RUSSIAN, per, Vestnik Svyazi, No 8, 1955.

JPRS 7091

Sci

165, 919

Sep 61

Choosing the Frequency Range for Industrial Telemetering
Devices in a Pulse-Frequency Modulation System, by
A. M. Pshenichnikov,

RUSSIAN, per, Avtom i Telemekhanika, Vol XXI, No 4,
1960, pp 525-529.

Internatl Phys Index
Automation Express
Vol III, No 1

Sci - Electronics

Aug 60

124,543

Analysis of Royer Multivibrator Operation in
Industrial Telemetry Devices, by A. M. Pshenichnikov,
11 pp.

RUSSIAN, per, Avtomat i Telemekh, Vol: XX, No 9,
1959, pp 1250-1261.

Instru Soc of Amer

Sci

Jun 60

117,738

Choice of Frequency Range for Industrial Pulse-Frequency Telemetry System Devices, by A. M. Pshenichnikov, 3 pp.

RUSSIAN, per, Avtomat i Telemekh, Vol XXI, No 4, 1960, pp 525-529.

ISA

Sci

Feb 61

139,525

73
Method of Receiving and Processing of Inform-
tion of Multichannel Code-Pulse Receivers,
by V. P. Dmitriyev and A. M. Pshenichnikov,
3 pp.

USSR, Patent 170351 (856152/26-24) Class
7b, 11, 21 e, 47⁰¹, 9 Sept 1963.
AIR/FTD/WT-23-1370-67

A. M. Pshenichnikov
Sci-Electronics
Feb 69

369,677

A Static Transmitter Unit for Pulse-Frequency
Telemetry Systems, by A. M. Pachenichnikov, 6 p.

RUSSIAN, per, Avtomat 1 Telemekh, Vol XVIII, No 5,
1957, pp 444-448.

Instru Soc of Amer

Sci

Feb 60

108,776

Supply-Voltage Dependent Zero Shifts in Magnetic
Null Detectors, by A. M. Pshenichnikov, 4 p.

RUSSIAN, per, Avtomat i Telemekh, Vol XVIII, No 1,
1957, pp 78-80.

Instru Soc of Amer

801

Feb 60

108,748

Determination of the Relative Probabilities of
K-Capture and β -Decay, by A. A. Bashilov, N. M.
Anton'eva, B. V. Pshenichnikov, 5 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Fiz, Vol XX,
No 3, 1956, pp 348-353.

Columbia Tech Tr

Sci - Physics
Apr 57 CRS

46, 136

Mode of Occurrence and Distribution Pattern of
Tellurium in Sulfide ~~XXXX~~ Ores, by Pshenichniy, G. N.
12 pp.

RUSSIAN, per, Geokhim, No 8, 1961.

Geochem Soc

Sci~~XX~~

216,313

Nov 62

Deflections and Stresses in Welded Composite
Diaphragms With Narrow Blades, by U. G. Koifman,
V. D. Pshenichniy.

RUSSIAN, per, Energomaash, Vol. III, No 9, 1957,
pp 30-34.

DSIR LLU M.1913
(loan)

Sci - Engr

Oct 60

130,751

Results of Many Years Combined Study of Trench Fever,
by A. V. Pshenichkov, 5 pp.

RUSSIAN, per, Zhur Mikrobiol Epidemiol i Immunobiol,
Vol XXVIII, No 10, 1957, pp 19-23.

Pergamon Inst

Sci - Med
Dec 58

77,373

Some Characteristics of Post-Infectious
Immunity in Typhus Fever on Re-infection
of Guinea-Pigs in Different Zones of Recep-
tion, by A. V. Pshenichnyy, E. G. Moskova,
L. I. Raikher, I. Sh. Vajnsman, 3 pp.

RUSSIAN, per, Zhur Mikrobiol Epidemiol i
Immunobiol, Vol XXIX, No 10, 1958, pp 99-
101.

Pergamon Inst

Sci - Med

Jun 59

89, 257

Pabenichnov, A. V.
UNIVERSAL METHOD OF STUDYING INFECTION
TRANSMITTED TO PERSONS BY BLOOD SUCKING IN-
SECTS AND A NEW VACCINE AGAINST EXANTHE-
MATIC TYPHUS. [1963] 6p
Order from OTS, SLA, or ETC \$1.10 TT-64-10819

Trans. of Zhurnal Mikrobiologii, Epidemiologii
Immunobiologii (USSR) 1943 (no. 1/2) p. 43-48.
TT-65-60063

TT-64-10819

L. Pabenichnov, A. V.

86223

(Biological Sciences--Microbiology, TT, v. 12, no. 2)

Office of Technical Services

Variability of Rickettsia Prowazeki and Prospects
of Obtaining Live Typhus Vaccine, by A. V.
Pshenichnov, O. N. Sheveleva, E. G. Noskova, 3 pp.

RUSSIAN, per, Zhur Mikrobiol Epidemiol i
Immunobiol, Vol XXVIII, No 7, 1957, pp 11-14.

Pergamon Inst

Sci - Med
Nov 58

76,671

Possible Errors of Method in Work ⁰ on the Detection
of Minimal Amounts of Typhus Rickettsias, by
A. V. Pshenichnov, L. I. Naykher, E. E. Kostromina, 3
3 p.

RUSSIAN, per, Voprosy Virusologii, Vol IV, No 2,
1959, pp 229-231.

Pergamon Press

Sci

Apr 60

114,794

S-5413

(DC-3048).

To Bring the Teaching of Medical Microbiology
Closer to the Requirements of Life, by A. V.
Pshenichnov, 5 pp.

RUSSIAN, per, Zhur Mikrobiol, Epidemiol i
Immunobiol, Vol XXX, No 8, 1959, pp 18-21.

JPRS-L-1897-D

Sci - Med
Oct 59

100,943

Production of a Strain of Human Lice Feeding on
Rabbits and its Significance for the Skin Membrane
Method, by A. V. Pshenichnov, and E. G. Noskova,
3 pp.

RUSSIAN, per. Voprosy Virovirologiy, Vol II, No 1,
1957, pp 53-55.

Pergamon Inst

Sci - Med
Nov 58

77,185

A Closer Link Between the Teaching of Medical
Microbiology and the Requirements of Practical
Life, by A. V. Pshenichnov, 5 pp.

RUSSIAN, per, Zhur Mikrobiol Epidemiol Immunobiol,
Vol XXX, No 8, 1959, pp 18-21.

PP

Sci
Aug 60

126,769

The Use of Radioactive Radiation for the Preparation
of Rickettsial Antigens, by R. A. Pehenichnov,
3 p.

RUSSIAN, per, Zhur Mikrobiol. Epidemiol. i Immunobiol.,
Vol XXX, No 3, 1959, pp 119-120.

Pergamon Press

Sci

Apr 60

112,398

Biological Characteristics of the Vaccine Strain
of Rickettsia Prowazeki (Observations on the Immu-
zation of Human Subjects With Live Typhus Vaccine
by V. A. Pshenichnov, A. A. Ed Levashov, V. Ya.
Nikolenko, 6 pp.

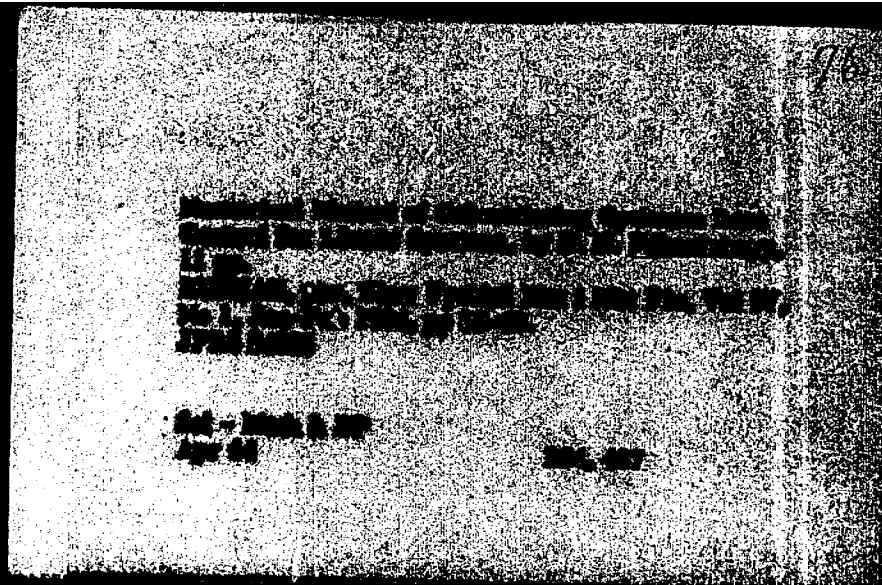
RUSSIAN, per, Voprosy Virusologii, Vol IV, No 6,
1959, pp 693-703.

7

PP

Sci
Oct 60

128,525



Hydraulic Emulage of Lump Coal in a Fine-Coal Slurry,
by I. D. Pashenichnyi, V. V. Trainis, 11 pp.

RUSSIAN, per, Ugal, No 7, 1960, pp 48-53. 9215307

OTS 63-11092
PL-480

Sci - M/M
Dec 63

243,955

Blood Leucocyte Changes in Dogs With Different Types
of Higher Nervous Activity, by I. P. Pshenichny,
9 pp.

RUSSIAN, per, Zhur Vysshey Nerv Deyatel Imeni I. P.
Pavlova, Vol X, No 3, 1960, pp 435-442.

PP

Sci
May 62

192,844

(DC-2700/9)

Ammonium Hydroxide Increases Yield, by I. P.
Pshenichnyy, 3 pp.

RUSSIAN, per, Kukuruz, No 10, 1959, pp 24, 25.

JPRS 3425

USSR

Econ - Technological

Jun 60

120,114

NCH-201 338

Field 13A

Pshenichnyi, V. D.
INVESTIGATIONS INTO DOUBLE-RIM VELOCITY STAGES
WITH DIFFERENT FORMS OF NOZZLE APPARATUS
(Issledovaniya Drukhvnechnykh Stupeni Skorosti s Razli-
chnymi Formami Soplovykh Apparatov). Tr. by F. Noot.
26 Jan 65, 14p. 8refs. TP/T-3548.
Order from NLL

Trans. of Teploenergetika (USSR) v10 n10 p23-8 1963.

I. Associated Electrical
Industries Ltd.,
Trafford Park (England)

Investigation of a Two-row Stage with
Divergent-convergent Blade Passages, by
V. D. Pshenichnyi.
RUSSIAN, per, Teplotekhnika, 1962, Vol 9,
No 9, pp 32-36.
MLL 9022.065 1964 (1806) (On Loan)

V. D. Pshenichnyi

Aug 65

287,185

The Quantitative Distribution of Nitrogen-Fixing
Bacteria and their Ecology in the Region of the
Zernov Phyllophora Field of the Black Sea, by
L. A. Benchenin, 7 pp.

RUSSIAN, pt, Mikrobiol, Vol XXVIII, No 6, 1959,
pp 927-932.

AIBS

SCI

Aug 60

123,629

Nitrogen-Fixing Bacteria in the Bottom Deposits of
the Inshore Regions of the Black Sea, by L. N.
Pashenin, 4 pp.

RUSSIAN, par, Dok Ak Nauk SSSR, Vol CXXIX, No 4,
1959, pp 930-.

Amer Inst of Biol Sci

Sci -
Jul 60

121,044

Accumulation of U-UX₁ by Nitrogen Fixing
Microorganisms of the Black Sea, by L. P.
Pshenin, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIII,
No 6, 1960, pp 1448-1450.

AIBS

Sci

Apr 61

149,229

53
Polarographic Determination of Ruthenium and
Rhodium, by N. K. Pshenitsyn,

N. A. Yezerskiy.

RUSSIAN, per, Izv. Vses. Sovetsk. na Voz
Analiza Raskhod Metallov, 1963, pp 76-80.

HC 69-15946-078

N. K. Pshenitsyn

Sci-Chem
Dec 69

398,422

Amperometric Titration of Iridium Using a Rotating
Platinum Electrode, by N. K. Pashnitsyn, N. A.
Ezerskaya, 5 pp.

RUSSIAN, per, Zhur Anal Khim, Vol XIV, No 1, 1959,
pp 81-86.

CB

165, 795

Sci
Sep 61

Gravimetric Determination of Palladium With 1,2-Cyclohexanedione (Nixon), by N. K. Pshenitsyn, O. M. Ivonina, 10 pp.

RUSSIAN, per, Zhur Neog Khim, Vol II, No 1, 1957, pp 121-128.

ANC Tr-4051
PL-480

Sci - Chem
Feb 61
FRR-78

138, 298

Application of the Ion Exchange Method in the Analysis
of Platinum Metals, by N. K. Pahenitsyn, K. A.
Gladyshevskaya, L. M. Ryakhova, 19 pp.

RUSSIAN, per, Zhur Neorgan Khim, Vol II, No 5, 1957,
pp 1057-1068.

AEC-tr-4055
PL-480

Sci

155,315

Jun 61

PST 82

Salts of N-Substituted Dithiocarbamic Acids and
Their Use in the Determination of Rhodium and Iridi
by N. K. Pshenitsyn, N. V. Fedorenko, 13 pp.

RUSSIAN, per, Zhur Neorg Khim, Vol II, No 10, 1957,
pp 2375-2382.

AEC-tr-4060
PL-480

Sc1

Aug 61

PST 87

163,370

Polarographic and Amperometric Determination of
Ruthenium, by N. K. Pshenitsyn, N. A. Ezerskaya,
6 pp.

RUSSIAN, per, Zhur Anal Khim, Vol XVI, No 2,
1961, pp 196-200.

CB

200,760

Sci
Apr 62

A Polarographic Study of the Reduction of the
Chloroiridate-Ion on a Platinum Electrode, by N. K.
Pshenitsyn, N. A. Ezerakaya, V. D. Ratnikova, 17 pp.

RUSSIAN, per, Zhur Neorg Khim, Vol III, No 8, 1958,
pp 1791-1798. ~~UCL~~ 9077952

AEC UCL-tr-652 (2)

Sci - Min/Met

Aug 61

160,424

A Study of the Interaction of Thionamid With the
Platinum Metals, and the Analytical Use of the
Compounds Obtained, by M. K. Pashenitsyn, I. V.
Prokof'yeva, 13 pp.

RUSSIAN, per, Zhur Georg Khin, Vol II, No 3, 1957,
pp 569-575.

AEC-tr-4053

PL-480

Sci

Apr 61

145,228

PST No 80

On Solubility of Palladium Cyclohexanediomedioximate,
by N. K. Pabenitayn, O. M. Ivonina, 4 pp.

RUSSIAN, par, Zhur Georg Khim, Vol II, No 2, 1957,
pp 317-319.

AEC-tr-4052

PL-480

Sci

Apr 61

PST No 79

145,200

A Study of the Reduction Reaction of the
Hydroxypentachloride of Tetravalent Ruthenium
 $\text{Ru}(\text{OCHCl}_2)_5$, by N. K. Pshenitsyna, S. I. Ginzburg,
14 pp.

RUSSIAN, per, Zhur Georg Khin, Vol II, No 1,
1957, pp 112-120.

ABC Tr-4051
FL-480

Sci - Chem
Feb 61
FBI-78

138, 297

A Polarographic Study of the Reduction and
Oxidation of the Complex Chlorides, by
N. K. Pshenitsyn, N. A. Ezerskaya, 4 pp.

RUSSIAN, per, Zhur Neorgan Khim, Vol V, No 5, 1960,
pp 1068-1073.

Cleaver-Ems

Sci

Feb 61

138, 339

98
Determination of Small Amounts of Iridium, by
N.K. Pshenitaya, E. V. Prokof'yeva.
RUSSIAN, per, Izv Ak Nauk SSSR, Sektora Fiziki
i Drugikh Blagoder Metal, Inst Obshch i Neorg
Khim imeni M. S. Kurshova, Vol 24, 1954,
pp 229-234. 9232754
AEC UCRL-tr-10,010

N. K. Pshenitaya

Sci/NAM
Jun 66

302,550

Determination of Platinum in the Presence
of Palladium by Potentiometric Titration With
a Cuprous Chloride Solution, by N. K. Pashnitsyn,
I. V. ~~XXXX~~ Prokof'eva, 5 pp.

RUSSIAN, per, Zhur Anal Khim, Vol XVI,
No 5, 1961, pp 606-610.

CB

ed

Jul 62

202,651

Complexes of Iridium (IV) with Phosphoric Acid,
by N. K. Pabenitsyn, S. I. Ginzburg, L. G.
Sal'skaya, 5 pp.

RUSSIAN, per, Zhur Neorgan Khim, Vol V, No 4,
1960, pp 832-841.

CLEAVER-HUME

Sci

Feb 61

138,350

The Polarography of the Noble Metals, by N.K. Pshenitsyn,
N.A. Ezerakaya, M.B. Barain, 8 pp.

RUSSIAN, per, Zhur Anal Khim, Vol. XIV, No. 4, 1959,
pp ~~466~~ 471.

CB

Sci
Sep 60

126,461

Microtitration of Rhodium With Sodium
Piperidinedithiocarbamate, by N. K. Pshenitsyn,
N. V. Fedorenko, 4 pp.

RUSSIAN, per, Zhur Anal Khim, Vol XIV, No 5, 1959,
pp 588-591.

CB

Sci
Sep 60

126,251

Spectrophotometric Determination of Palladium
With Nioxime and α -Benzylidioxime, by N. K.
Pshenitsyn, O. M. Ivonina, 4 pp.

RUSSIAN, per, Zavod Lab, Vol XXIV, No 10,
1958, pp 1185-1188.

Instru Soc of Amer

Sci

Apr 60

113,390

Study of the Oxidation Reactions Iridium (III)
in Solutions of Sulfuric, Phosphoric and Perchloric
Acids, by N. K. Pshenitsyn, S. I. Ginzburg,
L. G. Sal'skaya, 7 p.

RUSSIAN, per, Zhur Neorg Khim, Vol IV, No 2,
1959, pp 301-313.

Cleaver-Hume Press Ltd.
London

Sci-Chem
Jan 60

106,588

Preparation and Polarography of Complex Ruthenium
Chlorides, by N. K. Pshenitsyn, N. A. Ezerskaya,
5 pp.

RUSSIAN, per, Zhur Neorgan Khim, Vol VI, No 3,
1961, pp 613-620.

Cleaver-Hume Press Ltd

Sci
May 62

195,400

Complex Iridium--Rhodium Compounds with
Thiourea and Their Application to the Separa-
tion and Determination of These Metals, by
N. K. Pshenitsyn, I. V. Prokofyeva. UNCL

RUSSIAN, per, Zhur Georg Khin, Vol III, No 4,
Apr 1958, pp 998-1001. 649830

AFIC P-88-9578/v

Sci - Chem

Aug 59

94,933

Exercises in Forest-Swampy Terrain, by
S. Vikarchuk, V. Pshenitsyn, 6 pp.

RUSSIAN, per, Voyennoy Vestnik, No 9, 1962.

ACSI I-0404-I
ID 2191530

Sci

220,316

Jan 63

Some Data on the Content and Distribution of Iron
in the Black Sea, by M. A. Dobrzhanskaya, T. I.
Pahenina,

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIII, No 5,
1958, pp 895-.

Consultants Bureau

Sci - Chem

Sep 59

96,578

66
 Bulletin of the Section Corrosion and
 other Precious Metals. Institute of General
 and Inorganic Chemistry named for Kurnakova,
 by N. K. Psheniysyn.

RUSSIAN, per. in Ak Nauk SSSR, Sektora
Platiny i Drugikh Blagotvornykh Metal, Inst Obshch
i Neorg Khim imeni N.K. Kurnakova, Vol XXVIII,
1986, pp 229-234.

•••••

Psheniysyn, N. K.

Del - 2/2

Feb 06

An Electrophysiological Analysis of How Non-
Impulsive Effects Spread Along Neuromuscular
Structures from X-irradiated Areas, by M. G.
Pohannikova, 7 pp.

Vol III,
RUSSIAN, Per, Biolofiz, No 6, 1958,
pp 680-688

Pergamon Press

Sci

Feb 60

108,131

Propagation of non-impulse Effects Along a Nerve
From a Region Exposed to X-irradiation, by M. V.
Kirson, M. G. Pshennikova, 11 pp.

RUSSIAN, per, Biofizika, Vol II, No 6, 1957,
pp 686-697.

Pergamon Press

Sci - Phys

Sep 58

71,861

Lipoxidase of Wheat Seedlings, by K. V. Pshenova,
P. A. Kolesnikov, 5 pp.

RUSSIAN, per, Biokhimiya, Vol XXVI, No 6, 1961,
pp 1008-1012.

CB

Sci

205,233

Jul 62

Oxidases of the Essential-Oil Plants, by K. V.
Pahenova, 10 pp.

Full tr

RUSSIAN, bino per, Biokhim, Vol XXI, No 2,
Mar/Apr 1976, pp 279-287.

Consultants Bureau

Sci - Biology
Jan 57 OTS

42,921

In the Kuban' Sky, by G. A. Pshenyani, 11 pp.

RUSSIAN, no per, Vest Voz Flot, No 2, 1958, pp
47-54. CIA 610522.

ATTO

USSR - M11

Jul 58

67,515

99
Investigation of the Role of Free Radicals
in the Acetaldehyde Polymerization Process
in the Solid Phase Under γ -Irradiation, by
V. S. Pshezet'skiy, V. I. Tupikov, 13 pp.
RUSSIAN, per, Sbornik Statey Geterotsenayye
Vysokosole Soyed., 1963, pp 213-219.

9699227

FID-TT-65-978

AEC AD-628301

V. S. Pshezet'skiy

Sci - Engr

Mar 66

297,614

Radiation-induced Oxidation of Nitrogen
VI. Sensitization of the Oxidation of Nitrogen
by Charge Transfer Between Nitrogen Molecules
and Rare Gas Ions, by M. T. Dmitriev, S. Ya.
Pobokhetskii, KOPP.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXV, No 5,
1961, pp 1010-1018.

Cleaver-Russ Ltd

Sci
May 62

195,400

THE FORMATION OF HYDRAZINE BY THE ACTION OF
 γ -RADIATION ON SOLID AND LIQUID AMMONIA,
BY YU. A. SOROKIN, S. YA. PONEZNETSKIY,
6 PP.

RUSSIAN, PER, DOK AK NAUK SSSR, VOL CXXXVIII,
NO 4, 1961, PP 880-883. 9677933

FTD-TT-62-838

SCI - PHYS
AUG 62

207,959

Pahezhet'skiy, S. Ya. and Gladyshev, A. T.
KINETICS OF CATALYTIC DIMERIZATION OF
ETHYLENE. [1961] 14p. 18 refs.
Order from OTS or SLA \$1.60 61-18012

Trans. of Zhurnal Fizicheskoi Khimii (USSR) 1941,
v. 15, p. 333-345.

DESCRIPTORS: *Ethylenes, Polymerization, Chemical
reactions, Nickel catalysts.

The kinetics of dimerization of ethylene on a nickel
catalyst was determined, and it was established that
the velocity of dimerization is proportional to the
pressure of ethylene in the gaseous phase in the first
degree. The apparent energy of activation of the reac-
tion is about 10,500 cal. The results obtained were
interpreted with the aid of the regularities character-
istic for the kinetics of reactions occurring on non-
uniform surfaces. (Author)

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

61-18012

I. Pahezhet'skiy, S. Ya.
II. Gladyshev, A. T.

Office of Technical Services

Effect of Ionising Radiation on the Kinetics of the
Oxidation and Ignition of Butane. I. Formal Kinetics,
by N. A. Slavinskaya, S. A. Kamenetskaya, S. Ya.
Pshchetskiy, 4 pp.

RUSSIAN, per, Zhur Fiz Khim, No 6, 1960, pp 1169-1175.

Cleaver-Hume Press

Sci

Apr 61

144,479

14

(DC-3435).

The Influence of Oxone on the Combustion Rate of
Hydrocarbons, by V. M. Cherednichenko, I. N.
Pospelova, S. Ya. Pabzhetskiy, 12 pp.

RUSSIAN, pamphlet, Kinetika i Rasprostraneniye
Plameni, Moscow, 1959, pp 43-51.

JPRS 3107

Sci - Engr
Apr 60

111,957

Effect of Nuclear Radiation on Gaseous Reactions,
by S. Ya. Pshezhetskiy, 14 pp.

RUSSIAN, per, Khim Nauka i Prom, Vol IV, No 4,
1959, pp 509-515. 9079363

AEC Tr-4622

Sci
Aug 61

163,771

(SF-1879)

Kinetics of Ozone Decomposition and Explosion, by S. Ya. Pshezhetskiy, S. A. Kamenetskaya, Ye. I. Gribova,
18 pp.

RUSSIAN, per, Problemy Fizicheskoy Khimii, No 2, 1959,
pp 27-38.

JPRS 4917

Sci - Phys

169, 029

Sep 61

14

(DC-3435).

The Influence of Ozone on the Ignition of
Hydrocarbons, by S. A. Kuznetsov, H. A.
Slavinskaya, S. Ya. Pshchetskiy, 15 pp.

RUSSIAN, pamphlet, Kinetika i Rasprostraneniye
Plameni, Moscow, 1959, pp 33-42.

JPRS 3107

Sci - Engr
Apr 60

111, 956

MECHANISM OF ENLIGHTENED-CONSCIOUSNESS BY
S. TA. FUCHSBERG, 100 PP.

RESEARCH IN ENLIGHTENED-CONSCIOUSNESS
RESEARCH, 1962, PP 175-176 311-312.

JUNE 1965

SC1 - COM
AM 6

75-92

The Radiation Oxidation of Nitrogen. V. Kinetics
of the Oxidation of Nitrogen Under the Influence
of γ -Radiation and the Part Played by Ion Recombination,
by M. T. Dmitriev, S. Ya. Pashchetskiy,
3 pp.

RUSSIAN, per. Zhur Fiz Khim, Vol XXXIV, No 4,
1960, pp 880-887.

Cleaver-Hume Press

140,954

Sol
Feb 61

Kinetics of the Hydrogenation of Butylene on a
Chromium-Aluminum Catalyst, by G. D. Lubarakiy,
S. K. Yermakova, S. Ya. Pshezhetskiy, 12 pp.

RUSSIAN, Per, Zhur Fiz Khim, 1957, Vol XXXI, No 7,
pp 1492-1500.

SIA 59-15484

Sci
Oct 59
Vol 2, No 3

99, 912

Study of Relation Between Catalytic and
Semiconductor Properties of Zinc Oxide, by
I. Ya. Myasnikov, S. Ya. Pshenhetakiy.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XCIX,
No 2, 1954, pp 277-279.

34,054

Brutcher Tr
No 3652

\$2.80

Scientific - Chemistry May 56 CTS/DEX

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

RUSSIAN, per, Zhur Fiz Khim, Vol XXXII, No 12,
1958, pp 2686-2689.

Navv 2211/MIL 727

Sci - Physics, Chem
Jul 59

92, 828

Mechanism of Some Simple Chemical Reaction Pro-
ceeding Under the Action of Ionized Radiation, by

S. Ya. ~~Rebetskii~~, 72 pp. y Dm. + r. ev

~~Rebetskii~~

RUSSIAN, per, Uspekhi Khim, Vol XXVI, No 7, 1957,
pp 725-767. CIA 644804

Dept of Int. Tech and Com
Sci - Chem 20661 P99 AERE-Lib/Trans-800
ASTIA DOC 209909
Apr 58 CIA 644804

62,236
Office of Tech Serv
59-11946

Investigation of the Correlation Between the
Luminescence and the Catalytic and Adsorption Proper-
ties of "Self-Activated" ZnO and ZnS Crystals (A),
by L. N. Shekhter, I. A. Miasnikov and S. Ia.
Pshezhetskii, 3 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Fiz, Vol XXI,
No 5, 1957, pp 664-666.

Columbia Tech

Sci - Phys

Aug 58

71,796

The Radiation Oxidation of Nitrogen IV. Temperature Dependence and the Part Played by Ions in the Reaction Under the Action of Fast Electrons, by M. T. Dmitriev, S. Ya. Pabeshetskii, 20 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXIII, No 2, 1959, pp 463-470. 9213064

AEC-HP-Tr-1037

Sci - Phys

Oct 63

345,204

The Radiation Oxidation of Nitrogen II. Kinetics of the Oxidation of Nitrogen Under the Action of Fast Electrons, by M. T. Eritsiev, S. Ya. Pukhovskii, 24 pp.

RUSSIAN, bk, Deistvie Ioniziruyushchikh Izlucheni na Neorganicheskie i Organicheskie Sistemy (Effect of Ionizing Radiation on Inorganic and Organic Systems), Moscow, 1958, pp 171-181. 9213035

AEC-HP-Tr-1036

Sci - Phys

Oct 63
Oct 62

345,206

The Radiation Oxidation of Nitrogen. I. Kinetics of the Oxidation of Nitrogen Under Electron Impact and Its Connection With Ionisation Processes, by M. T. Dmitriev, S. Ya. Pshezhetskii, 46 pp.

RUSSIAN, bk, Deistvie Ioniziruyushchikh Izlucheni na Neorganicheskie i Organicheskie Sistemy (Effect of Ionising Radiation on Inorganic and Organic Systems), Moscow, 1958, pp 145-170. 9213074

AEC-NP-Tr-1035

Sci - Phys

Oct 63

345, 214

An Investigation into the Critical Conditions of
Gaseous Ozone Ignition, by S. A. Kamenetskaya, S.
Ya. Pshchetskiy, 11 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXII, May 1958,
pp 1122-1130.

ACSI H-2479 C

ID 2147213

Sci - Chem

May 60

115,620

Pshezhetskii, S. Ya., Lyubarskii, G. D. and others.
RELATION OF THE KINETICS OF CATALYTIC
DEHYDROGENATION OF HYDROCARBONS TO
THEIR STRUCTURE. III. COMPARISON OF KINETIC
DATA FOR n-BUTANE AND n-BUTENE: PROBABLE
DEHYDROGENATION MECHANISM. [1961] 7p.
Order from ATS \$8.75 ATS-97N54R

Trans. of Zhur[nal] Fiz[icheskoi] Khim[ii] (USSR) 1954,
v. 28, no. 8, p. 1458-1464.

DESCRIPTORS: *Dehydrogenation, Hydrocarbons,
*Butanes, *Butenes, *Reaction kinetics.

ATS: RJ-3178

(Chemistry--Physical, TT, v. 6, no. 11)

61-25450

I. Pshezhetskii, S. Ya.
II. Lyubarskii, G. D.
III. ATS-97N54R
IV. Title: Comparison ...
V. Associated Technical
Services, Inc.,
East Orange, N. J.

Office of Technical Services

Reactions of Nitrogen Dissolved in Water, by the
Action of Ionizing Radiations, by M. T. Dmitryev,
S. Ya. Pahezhetskiy, 3 pp.

RUSSIAN, per, Atom Energ, Vol VIII, No 1, 1960,
pp 59-61.

CB

Sci

Jun 61

157,966

Kinetics of the Thermal Decomposition of Ozone,
by S. Ya. Pshezhetskiy, N. M. Morozov, S. A.
Kamenetskaya, V. N. Suryatskaya, Ye. I. Gribova,
10 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXIII, No 10,
1959, pp 2306-2315.

Cleaver-Hume Press

Sci
Aug 60

122,293

Some Questions on the Kinetics of Diffusion on
Porous Catalysts, by S. Ya Fabel'shtskii, R. N.
Rubinshtein, 10 pp.

RUSSIAN, no per, Problemy Kinetiki i Kataliza,
No 6, 1949, pp 426-431.

Sci Tr Center RT-4633

Scientific - RUSSIAN Chemistry
Jan 57 CTS

42,288

Specific Weight of Liquid Ozone, by Ye. I.
Gribova, S. A. Kamenetskaya, S. Ya. Pchazhet-
skiy. UNCL

RUSSIAN, per, Zhur Neorg Khim, Vol III, No 4,
Apr 1958, pp 1061, 1062.

ATIC F-45-9578/v

Sci - Chem

Aug 59

96,008