

Use of Molecular Beams for the Radio-
Spectroscopic Study of the Rotational Spectra
of Molecules, by N. G. Basov, A. M. Prokhorov,
13 pp.

RUSSIAN, bimo per, Zhur Eksper i Teoret Fiz,
Vol XXVII, No 4(10), 1954, p 431.

Morris D Friedman
\$4.00

Scientific - Physics

CTB 69/Jun 55

24,739

Theory of a Molecular Generator and Power
Amplifier, by N. G. Basov, A. M. Prokhorov,
5 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol CI, No 1, 1955, pp 47-49.

Morris D. Friedman
\$2.50

Scientific - Engineering
CTS 73/Oct 1955

27,890

Theory of the Molecular Generator and Molecular
Power Amplifier, by N. G. Basov, A. M. Prokhorov,
4 pp.

RUSSIAN, no per, Zhur Eksper i Teoret Fiz, Vol XXX,
No 3, 1955, pp 560-563.

Amer Inst of Physics
Soviet Physics, JETP
Vol III, No 3

Sci - Physics
Apr 57 CTS

46,604

Conditions for Observing Electronic Paramagnetic
Resonance at Low Temperatures, by S. D. Kalashnikov,
A. M. Prokhorov, 4 pp.

RUSSIAN, per, Prib 1 Tekh Eksper, No 5, 1959,
pp 107-110.

Instru Soc of Amer

Sci
Aug 60

122,344

Spin-Lattice Relaxation in Chromium Corundum,
by A.A. Manenkov, A.M. Prokhorov, 4 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol
XXVIII, No 3, 1960, pp 729-733.

AIP
Sov Phys - JETP
Vol XI, No 3

Sci
Nov 60

132, 825

Electron Paramagnetic Resonance Spectrum of
 V^{3+} in Corundum, by G.M. Zverev, A.M. Prokhorov,
4 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol
XXXVIII, No 2, 1960, pp 449-454.

AIP
Sov Phys - JETP
Vol XI, No 2

Sci
Nov 60

132, 798

Microwave Spectrum and Rotational Constants, of
The C_2H_5Cl Molecule, by A. I. Barchukov, T. M.
Murina, A. N. Prokhorov, 2 p.

RUSSIAN, per, Opt i Spekt 1958, Vol. IV, No 4,
pp 521-523.

SLA 59-20860

Sci
Mar 60
Vol 3, No 1

111,023

Ammonia (3.3) Absorption Line as Frequency Meter
Standard With 10^{-6} Accuracy in the 5-20 mc Band, by
B. D. Osipov, A. M. Prokhorov, 3 pp.

RUSSIAN, thrice-no per, Dok Ak Nauk, USSR, Vol CII,
No 5, 1955, pp 933-934.

Morris D. Friedman

Scientific - Physics

Jan 56 CTS/DEX

\$1.50

30,261

V
Possible Methods of Obtaining Active
Molecules for a Molecular Oscillator, by
M. G. Basov, A. M. Prokhorov, 2 pp.

RUSSIAN, bino per, Zhur Eksper i Teoret Fiz,
Vol XXVIII, No 1, 1955, pp 249-250. CIA C 40845

American Inst of Physics
57 East 55 St.
New York 22, N. Y.

Scientific - Physics

31,293

The Effect of Vanadium on the Spin-Lattice
Relaxation of Chromium in Corundum, by G. M.
Zverev, A. H. Prokhorov. pp 6

RU: SIAM, per, Fiz Tverdogo Tela, Vol IV, No 11,
1962, pp 3136-3143.

Amer Inst of Phys
Sov Phys - Solid State
Vol IV, No 11

Sci

Jun 63

340,780

The Fine Structure of the Spectrum of the
Paramagnetic Resonance of the Ion Cr^{3+}
in Chromium Corundum, by A. A. Manenkov,
A. M. Prokhorov, 1 pp.

RUSSIAN, bimo per, Zhur Eksper i Teoret Fiz,
Vol XXVIII, June 1955, pp 762. CIA C 40837

American Inst of Physics
57 East 55 St.
New York 22, N. Y.

Scientific - Physics 31,383

Coherent Radiation of Electrons in a
Synchrotron in the Centimeter Wave Region,
by A. M. Prokhorov.

RUSSIAN, per, Radiotekhnika i Elektronika,
Vol I, 1956, pp 71-78.

Navy Tr 3552/APL 390

Sci - Electron, Phys
Sep 63

344,165

Fine and Hyperfine Structure of the Paramagnetic
Resonance Spectrum of Cr^{3+} in Corundum, by G. M.
Zverev, A. M. Prokhorov. UNCLASSIFIED

RUSSIAN, per, Zhur Eksp^r i Teoret Fiz, Vol XXXIV,
No 2, 1958, pp 513, 514.

MIT (Lincoln Lab)

Sci - Physics
May 58

63,500

Theory of the Molecular Generator and Molecular
Power Amplifier, by N. G. Basov, A. M. Prokhorov,
8 pp.

RUSSIAN, bimo par, Zhur Ekspar i Teoret Fiz, Vol
XXX, No 3, 1956, pp 560-564.

Morris D. Friedman
\$4.00

Sci - Physics

38,245

Method of Measuring Absorption Coefficients in
Microwave Radio-Spectroscopy, by A. M. Prokhorov,
A. I. Barchukov, 4 pp.

RUSSIAN, bimo per, Zhur Eksper i Teoret Fiz,
Vol XXVI, 1954, p 761-763. CIA D 18 2758
9093037

Morris D. Friedman
P-124 \$2.00

USCIB

Scientific - Physics

CTS 65/Feb 55

21,280

The Excitation and Ionization of Atoms in
a Strong Radiation Field, by F. V. Dinkin,
A. M. Prokhorov, 5 pp.
RUSSIAN, per, Zhur Zhur i Teoret Fiz,
Vol XVI, No 3, 1968, pp 1090-1097.

Amer Inst of Phys
Soviet Phys - JETP
Vol XIX, No 3,

Oct 65

Oct 64

267.770

Determining 0 and $1/2$ Spins of Nuclei from Microwave
Spectra of Molecules, by A. M. Prokhorov, N. G. Basov.

RUSSIAN, thrice-monthly, Dok Ak Nauk SSSR, Vol XCI;
No 6, 1953, p 1003.

CIA 9002179
CIA 9002180
NSF Tr 169
RT-831

USSR
Scientific - Physics

Jan 54 CIS

8934

S-199/64

The Cosmos and Cybernetics, by Andrey Prokhorov,
Il'ya Zakharov. (DC-10284)

RUSSIAN, ~~see~~ ^{see}, Zarya Vostoka, 18 Aug 1962, p 3.

*JPRS

Sci-Biol & Med Sci

Feb 64

Hyperfine Structure of Paramagnetic Resonance.
Nuclear Spin and Magnetic Moment of the 5.3-Year
Radioactive Isotope Eu^{152} , by A. A. Manenkov,
A. U. Prokhorov, P. S. Trukhlyayev, G. H.
Yakovlev, 6 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXII, 1957,
pp 623-625.

ABC 3338

Sci - Nuc Phys

74,580

Oct 58

Increasing Tensile Strength and Reducing the Weight
of Welded ME-Steel Pipes, by A. V. Prokhorov, 4 pp.

RUSSIAN, *per*, *Stal*, No 1, 1959, pp 88-91.

Iron and Steel Inst

Sci - Min/Met

Sep 59

96,552

New Method for the Diagnosis of Tuberculosis in
Living Fowl, by A. V. Prokhorov.

RUSSIAN, per, Veterinariya, Vol XXIV, No 9,
Moscow, 1958, pp 60-64. CIA 9033777

USDA

Sci - Medicine
Nov 58

76,869

(NY-7126)

Inductive Properties of a Double-Base Diode,
by N. A. Shakhovtsev, E. D. Frokharov, 7 pp.

RUSSIAN, par, In Vysishikh Ucheb Zaved, MVO,
SSSR, Radiotekh, Vol V, No 1, 1962, pp 126-127.

JPRS 14401

Sci

Jul 62

302,934

Semiconductor Device for Lengthening Pulses,
by B. D. Prokhorov, N. A. Shakhovtsov, 10 pp.

RUSSIAN, per, Investiya Vysshikh Uchebnykh
Zavedeniy NV1680 SSSR po Razdelu Radiotekhnika,
Vol V, No 3, 1962, pp 394-396.

JPRS 16211

Sci

Nov 62

217,990

Fundamental Problems of Preparing Feedwater
for Power Stations in the Current Septennial,
by F. G. Prokhorov, 16 pp.

RUSSIAN, per, Teploenergetika, No 3, 1960,
pp 3-8.

Dept of Interior
TC7 B57 No 41

Sci - Engr
Feb 63

221,409

The Optimum Conditions for Regenerating
H-Cationite Filters With Different Cationites,
by F. G. Prokhorov, T. A. Kurakaya.

RUSSIAN, per, Teploenergetika, No 10, 1958,
pp 35-42.

DSIR LLU RTS 1542

Sci - Engr

Oct 60

SLA: 64-15637 128,729

COOPERATION BETWEEN THE WORLD SOCIALIST
SYSTEM AND THE UNDERDEVELOPED COUNTRIES, BY
G. PROKHOROV, 27 PP.

RUSSIAN, PER, VOPROSY EKONOMIKI, NO 11,
1962, PP 77-86.

JPRS 17269

USSR
ECON
JAN 63

220,464

(DZ-4400/6)

The Countries of Socialism -- Trustworthy Friends
of the Peoples of the East, by G. Prokhorov, 14 pp.

RUSSIAN, per, Kommunist, No 16, Oct 1960, pp 53-63.

JPRS 6684

USSR

Pol

Feb 61

139,888

A Modified Ballast Rheostat for Welding, by
I. N. Prokhorov, L. M. Berson, A. I. Kontsov,
1 pp.

RUSSIAN, per, Svaroch Proiz, No 11, 1960,
pp 37.

BWRA

178,995

Sci

Dec 61.

Contribution of Space-Like Intervals to the
S-Matrix, by L. V. Prokhorov, 5 pp.

RUSSIAN, per, Zhur Eksp. 1 Teoret. Phys., Vol. XLIII,
No. 2, 1962, pp. 476-482.

AIP
Sov. Phys. - JETP
Vol. XVI, No. 2,

Sci
Jun 63

233,243

Properties of the Scattering Amplitude Resulting
From the Unitarity Condition, by M. A. Braun,
L. V. Prokhorov, 4 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XXXIX,
No 6 (12), 1960, pp 1641-~~164~~ 1646.

AIP
Soviet J. Phys - JETP
Vol XII, No 6

Sci

Jul 61

160,227

Experience in Deratization of Certain Rayons
of the City of Leningrad by the Bacteriological
Method, by M. I. Prokhorov, V. T. Bobovich,
L. Ya. Sintsova, A. D. Kositskaya,
UNCLASSIFIED

RUSSIAN, per, Veterinariya, Vol XXIX, No 9,
1952, pp 45-47.

UNDA

20,251

Scientific - Biology

Dec 1954 CTS

Cultures of Bacteria for Deratization, by
M. I. Prokhorov, V. T. Bobovich, UNCLASSIFIED

RUSSIAN, per, Veterinariya, Vol XXII, No 6,
Jun 1954, pp 49-52.

20,269 USDA

Scientific - Biology

Dec 21st 1954 CTS

Bacteria Employed for Combatting Rodents, by
M. I. Prokhorov, 5 pp. UNCLASSIFIED

RUSSIAN, blit, Bakteriologicheskiy Metody
borby s Myshevidnymi Gryzunaki, publ by
State Publishing House, Moscow, 1951, pp 20-25.

✓ G-2, GSUSA G-3355

USSR
Scientific - Biology

18,731

(CSO: 1878-N)

From the Work of the All-Union Scientific Research
Institute of Agricultural Microbiology, by M. I.
Prokhorov, 7 pp.

RUSSIAN, per, Zashchita Rasteniy ot Vreditel y i
Bolezney, No 11, 1961, pp 23-24.

JPRS; 15,204

Sci - Biology
Sep 62

210,984

(SP-1701,

The Theoretical and Practical Basis of Dry Bacterial
Cultures for the Control of Harmful Rodents, by M. I.
Prokhorov, 10 pp.

RUSSIAN, per, Trudy: Vsesoyuznyy Issledovatel'skiy
Institut Veterinarnoy Ektoparazitologii i Sanitarii,
Vol XV, 1959, pp 213-223.

JPRS 4632

153,640

Sci - Biol

Jun 61

Bacteriological Fight Against Mouse-Like Rodents as a
Method of Prophylaxis in of Infectious Diseases,
by M. I. Prokhorov, 6 pp.

Full translation.

RUSSIAN, per, Veterinariya, Vol XXVIII, No 3, Moscow,
Mar 1951, pp 36, 37.

USDA Tr

USSR

Scientific - Medicine

CTS/DEX

3751

Magnetic Logical Elements for Automatic Control
Circuits, N. P. Vasil'yeva and N. L. Prokhorov,
10 pp.

RUSSIAN, per Avtomat i Telemekh, Vol XX, No 12,
1959, 1647-1658.

Instru Soc of Amer

Sci

Aug 60

121,983

Calculating the Deformation Caused by Depositing
a Bead on the Edge of a Plate, by N. N. Prokhorov,
N. Nikol-Prokhorov, 8 pp.
RUSSIAN, pr, Avtomat Svarka, No 5, 1964,
pp 54-62.

BWRA

Sci
Oct 64

268,134

Criteria for the Manner in which Welds Crystallise and
the Speed of the Process, by /A.S. Mastropakova and
G.N.H. Prokhorov, 6 pp.

RUSSIAN, per, Avtomat Svaka, No 7,
Jul 1963, pp 8-14.

British Welding Res Assoc.

Sci

May 64

259,224

Method of Estimating the Cold Crack Resistance²⁷
of Steels after Welding, N. N. Prokhorov and
E. L. Murakarov
RUSSIAN per, Sver. Proizv. Vol 9: 15-18
1958
CRL/D 708

N. N. Prokhorov

Sci-mat
July 60

385,807

THE PROBLEM OF THE STRENGTH OF METALS WHILST
SOLIDIFYING DURING WELDING, BY N. N. PRONKHOROV.

RUSSIAN, PER, SVAROGHNE PROIZ, NO 6, 1956,
PP 5-11.

NLL RTS 2062

SCI - W/M

OCT 62

214,802

Methods of Determining and Regulating the Capacity
of Steels for Resisting Cold Cracking During
Welding, by N. N. Prokhorov, E. L. Makarov, 9 pp.

RUSSIAN, per, Avtomat Svarka, No 11, 1961,
pp 3-13.

BWRA

Sci

Oct 62

214,105

Resistance to Hot Tearing of Cast Metals
During Solidification, by N. N. Prokhorov,
4 pp.

RUSSIAN, per, Lit Proiz, No 4, 1962.

BCIRA

Sci

Nov 62

216,433

Ductility of Solidifying Metals, by
N. N. Prokhorov, 3 pp.

RUSSIAN, per, Lit Proiz, No 4, 1962.

BCIRA

Sci

Nov 62

216,434

Mechanical Properties of Aluminium Alloys in the
Crystallization Temperature Range During Welding,
by N. N. Prokhorov, M. P. Bochai.

RUSSIAN, per, Svach Prois, No 2, 1958, pp 1-6.

WLL RTS 1831

Sci - Engr

180,019

Jan 62

The Stability of Steel in the Process of Austenite
Transformation During Welding, by N. N. Prokhorov,
E. L. Makarov, B. F. Yakushin, 11 pp.

RUSSIAN, per, Svaroch Proiz, No 8, 1959, pp12-14.

British Welding Res Assoc

Sci
Aug 60

122,095

The Technological Strength of Metals While
Crystallising During Welding, by M. N. Frokhorov,
8 pp.

RUSSIAN, per, Sveroch Froin, No 4, 1962, pp 1-8.

ISRA

Sci

Apr 63

232, 549

Phase Stresses During Welding, by N. N. Prokhorov, V. S. Ignat'yeva, 7 pp.

RUSSIAN, per, Avtomat Svarka, No 4, 1962, pp 8-15.

BRA

Sci

Mar 63

232,821

On the Problem of the Reasons for the Development
of Hot Cracks in Welding, by N. N. Prokhorov.
UKOL

RUSSIAN, per, Avton Svarka, Vol VII, No 6,
1954, pp 52-58.

DSIR LIU M.1376

(loan)

Sol - Hngr
Apr 60

112,676

Calculating the Crystallization Pattern of a Welded
Joint, by M. E. Prokhorov, A. S. Mastropetrov, 9 pp.

RUSSIAN, per, Sverdlov Proin, No 2, 1961, pp 4-8.

INRA

Sci

PER 62

184,854

Kinetics of Austenite Decomposition in Steels
During Welding, by N. N. Prokhorov, et al.

RUSSIAN, per, Metal Termicheskaya Obrab Metallow,
No 3, 1959, pp 13-16.

HD 4537

Sci - Engr

Dec 59

104, 340

Prokhorov, N. N. and Bochay, M. P.
MECHANICAL PROPERTIES OF ALUMINUM ALLOYS
IN THE CRYSTALLIZATION TEMPERATURE RANGE
DURING WELDING (Mekhanicheskiye Svoystva
Alyuminiyevykh Splavov v Intervale Temperatur
Kristallizatsii pri Svarke). Apr 61 [15]p. 5 refs.
RTS 1831.

Order from OTS or SLA \$1.60

61-19940

Trans. of Svarochnoye Proizvodstvo (USSR) 1958,
no. 2, p. 1-6.

DESCRIPTORS: *Aluminum alloys, Mechanical prop-
erties, *Crystallization, *Temperature, *Welding,
Fracture (Mechanics), Manufacturing methods.

Tests showed that fracture in the brittleness tempera-
ture range causes deformations that are concentrated in
zones adjacent to the fracture. If the alloy has been
heated up to the two-phase temperature, its grains are
(Metallurgy, TT, v. 6, no. 9)
(over)

61-19940

- I. Prokhorov, N. N.
- II. Bochay, M. P.
- III. RTS-1831
- IV. Department of Scientific
and Industrial Research
(Gt. Brit.)

Office of Technical Services

A Diffusion Hygrometer, by M. B. V. Deriagin,
P. S. Prokhorov, G. A. Batova, L. F. Leonov, 9 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXVI, No 4, Apr
1956, pp 887-894.

Amer Inst of Phys
Soviet Phys-Tech Phys
Vol I, No 4

Sci - Physics
Aug 57

51,726

The Study of Causes for Non-Coalescence of Liquid Drops Under Static Conditions (Under Lengthly Contact), by B. V. Deryagin, P. S. Prokhorov.

RUSSIAN, per, Novye Idei v Oblasti Izucheniya Aerosolei, Ak Nauk SSSR, Inst Fiz Khim, Sbornik Statei, 1949, pp 84-101.

AEC UCRL-Trans-601

Sci - Phys, Chem
24 Feb 61

141,077

Explanation of the Mechanism of Non-Coalescence
of Water Drops During Collision, by P. S.
Prokhorov.

RUSSIAN, per, Novye Idei v Oblasti Izucheniya
Aerozolei, Ak Nauk SSSR, Inst Fiz Khim,
Sbornik Statei, 1949, pp 102-107.

AEC UCRL-Trans-601

Sci - Phys, Chem
24 Feb 61

141,078

The Possibility of Surface Activation and
Passivation of Metals in Water Vapor Con-
densation, by G. I. Izmaylova, P. S. Prok-
horov, M. V. Deryagin, 5 pp.

RUSSIAN, per, Kolloid Zhur, Vol XII, No 5, 1957,
pp 556-561.

Consultants Bureau

Sci - Chem

Jan 59

80,066

The Effect of the Saturation Deficit Upon the
Coagulation Rate of Water Aerosols, by P. S.

Prakhorov, 5 pp.

Prakhorov, P. S.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXX, No 4,
1951, pp 637-640 *CIA 9245661*

CIA 9245661

Assoc Tech Serv - *RJ-1208*

Geo
Sci - *Geophys*

Jul 58

67,170

Effect of Moisture Deficiency on the Processes
of Collision and Coalescence of Water Drops,
by P. S. Prokhorov, L. P. Leonov, 9 pp.

Full translation.

RUSSIAN, per, Kolloid Zhur, Vol XIV, No 1,
Jan - Feb 1952, pp 66.

Consultants Bureau
152 West 42 Street
New York 18, N.Y.

Assoc Tech Serv
Scientific - Chemistry Aug 53 CTS/DEX

4542

A New Method of Obtaining Constant and Homogeneous
Supersaturation, by B. V. Deryagin, P. S.
Prokhorov, 7 pp.

RUSSIAN, bk, Issledovaniya v Oblasti
Poverkhnostnykh Sil, Sbornik Dokladov na
Konferentsii po Poverkhnostnym Silam, April
1960, Izdatel'stvo Ak Nauk SSSR, Moscow, 1961,
9667413

FTD-TT-62-429

Sci - Phys
Jan 63

219,515

Causes of the Noncoalescence of Water Droplets in
Collision, by P. S. Prokhorov, V. N. Yashin, 3 pp.

RUSSIAN, per, Kolloid Zhur, Vol X, 1948, pp 122-124.

SLA 59-15582

Sci - Chemistry

Nov 59

103,302

Diffusion Chamber with Supersaturation Constant
Throughout the Volume and in Time, by B. V. Deryagin,
P. S. Prokhorov, M. V. Velichko, 3 pp.

RUSSIAN, per, Pribery i Tekh Eksp, No 2, 1960,
pp 45-47.

ISA

Sci

Feb 61

144,161

Automatically Recording Diffusion Hygrometer, by
A. P. Nikol'skiy, B. V. Deryagin, P. S. Prokhorov,
G. A. Batova, 8 pp.

RUSSIAN, per, Zavod Lab, Vol XXIII, No 4, 1957,
pp 497-500.

CIA/FDD X-2791

Sci - Phys;
Mar 58

60,689

A Platoon Conducts ~~ENEMY~~ Combat Firing at Night,
by I. Lyenko, B. Prytkov, 6 pp.

XX

RUSSIAN, per, Voennoy Vestnik, No 3, 1962.

ACH-I-0424-C

ID 2191530

214,275

Night Landing of a Bomber on an Unilluminated Runway,
by S. O. Prokhorov, 4 pp.

RUSSIAN, no per, Vest Voz Flot, No 6, 1957,
pp 46-48. CIA 605848

ATIC

USSR
Military
Apr 58

61,293

(DC-1875)

THE DEMOCRATIC BASES OF THE MANAGEMENT OF THE
ECONOMY ARE BEING EXPANDED, BY V. PROKHOROV,
13 PP.

RUSSIAN, PER, KOMMUNIST, NO 8, 31 MAY 1962,
PP 78-85.

JPRS 14237

USSR
ECON
JUN 62

201,526

Preparation of Dichlorine Heptoxide, by V. Ya.
Rosolovskiy, A. A. Zinov'ev, V. A. Prokhorov,
3 pp.

RUSSIAN, per, Zhur Neorg Khim, Vol V, No 1D,
1960, pp 2148-2152.

Cleaver-Hume Press

Sci

169, 851

Sep 61

On the Choice of the Elements of a Compensation
Circuit for the Thermal Frequency Changes of Quartz
Autogenerators, by G. B. Al'tshuller, V. A. Prokhorov,
15 pp.

RUSSIAN, per, *Elektrosvyaz'*, No 1, 1961, pp 24-32.

PP

Sci

Jul 61

161,178

Thermal Compensation of Frequency Changes in
Crystal Oscillators by the Capacitance of the
p-n Junction of Semiconductor Devices, by
G. B. Al'tshuller, V. A. Prokhorov, 8 pp.

RUSSIAN, per, Radiotekh, Vol XV, No 11, 1960,
pp 39-44.

PP

Sci
Jun 61

156,383

24
Herring of the Kozh-Aragin Region, by T. F.
Sokolov and V. G. Prokhorov.
RESEARCH. Part. ~~General Information~~, Vol 43, No 12,
pp 4-5.

Dept of Interior
Fish and Wildlife Service
Fed. Bureau of Foreign Fisheries

PROKHOROV, V.G.

Vol. 43, No 12
Nov 67

305,494

The Use of Mist Cooling for Cutting Tools,
by Yu. G. Proskuryakov, N. F. Belov, 5 pp.

RUSSIAN, per, Stanki i Instrument, Vol XXXII,
No 6, 1961, pp 25-28.

PERA

Sci

Jun 62

193,741

Diffusion of Strontium- 90 in Soil and Sand, by
V. M. Prokhorov, 6pp.

RUSSIAN, per, Radiokhim, Vol IV, No. 2, 1962,
pp 205-210.

CB

Sci

Jan 64

245, 854

Ion Diffusion in an Adsorbing Dispersion Medium, by
V. M. Prokhorov, 5 pp.

RUSSIAN, per, Kolloidnyi Zhurnal, Vol XXV, No 1,
1963, pp 60-65.

CB

Sci -
Nov 63

241,811

On the Migrations and Spawning the Barents Sea
Capelin in 1953 and 1954, by V. S. Prokhorov.

RUSSIAN, per, Trudy Poliararnego Inst Barents
Rbnogo Obshch, No 10, 1957, pp 230-243.

MLL Ref: 5828.4 1959 (5,235)
(loan)

Sci - Biol & Med Sci
Jul 63

236/12

On the Migrations and Spawning of the Barents Sea
Capelin in 1953 and 1954, by V. S. Prokhorov.

RUSSIAN, per, Trudy Polyarnogo Nauchno-Issled
Instituta Morskogo Rybnogo Khozyaistva i
Okeanografii, Vol X, 1957, pp 230-243.

Dept of Interior
SH211, E82, No 208

Sci - Biol

Jul 60

120,265

(NY-6629/4)

The Investigation of Thermal Insulating Properties of Clothing for Miners in Open Pits in the Arctic, by Yu. D. Prokhorov, I. V. Roshchin, N. I. Slepak, 13 pp.

RUSSIAN, per, Gig 1 San, No 6, 1961, pp 39-46.

JPRS 10066

167,779

USSR
Econ
Sep 61

On the Question of the Registration of Plasma
Energy Losses, by Yu. G. Prokhorov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIV,
No 5, 1960, pp 1058-.

AIP
Sov Phys - Dok
Vol V, No 5

Sci

Apr 61

152, 514

(File 20000)

Investigation Into Impulse Discharges With Great Current Strength, by L. A. Artsimovich, A. M. Andryanov, O. A. Bazilevskaya, Yu. G. Prokhorov, U. V. Filippov, 12 pp.

SEE Full tx

RUSSIAN, no per, Atomnaya Energiya, No 3, Moscow, Jun 1956, pp 76-80.

38,956
CIA/FDD U-8772

FROM

Sci - Nuclear Physics, thermonuclear AUG 56 CTS/DEX

On the Question of the Registration of Plasma
Energy Losses, by Yu. G. Prokhorov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIV,
No 5, 1960, pp 1058-.

AIP
Sov Phys - Dok
Vol V, No 5

Sci

Apr 61

152, 514

Convergence of Random Processes and Limit
Theorems in Probability Theory, by Yu. V.
Prokhorov.

RUSSIAN, per, Teoriya Veroyatnostei i ye Prim,
Vol I, No 2, 1956, pp 177-238.

Sec for Ind & Applied Math

Sci
Nov 60

132,020

Strong Stability of Sums and Infinitely Divisible
Distributions, by Yu. V. Prokhorov, 12 pp.

RUSSIAN, per, Teoriya Veroyatnostey i yeye Primeneniy
Vol III, No 2, 1958.

SIAM

Sci

Apr 62

191,593

Some Remarks on the Strong Law of Large Numb
by Yu. V. Prokhorov, 4 pp

RUSSIAN, per, Teoriya Veroyatnostey i Yeye
Primeneniya, Vol IV, No 2, 1959, 215-219 pp

SP

Sci

Soc for Ind & Applied

Oct 60

130,092

Prokhorova, A. A. and Paushkin, Ya. M.
STUDIES IN THE FIELD OF BORON COMPOUNDS:
SYNTHESIS AND PROPERTIES OF THE CYCLO-
PENTADIENYL BORON COMPOUNDS. [1961] 4p.
Order from ATS \$5.65 ATS-01N50R

Trans. of Akad[emiya] Nauk SSSR. Doklady, 1960,
v. 135, no. 1, p. 84-86.

DESCRIPTORS: *Boron compounds, Synthesis,
Properties, Cyclopentadiene.

ATS-AJ-3285

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

61-25183

I. Prokhorova, A. A.
II. Paushkin, Ya. M.
III. Title: Synthesis ...
IV. ATS-01N50R
V. Associated Technical
Services, Inc., East
Orange, N. J.

Office of Technical Services

Methods for the Preparation of Trivinylboron and
Trivinylboron, by A. V. Topchiyev, Ya. M.
Paushkin, A. A. Prokhorova, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol. CXXIX, No 3,
1966, pp 593-595.

CB

Sci
Oct 60

129,959

Investigations in the Field of Boron Compounds.
Reactivity of Triallylboron, by A. V. Topchiev,
Ya. M. ~~Ramz~~ Paushkin, A. A. Prokhorova, M. V.
Kurashov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXVIII, No 1,
1959, pp 110-112.

CB

Sci - Chem
Sep 60

127,717

Counter-current Silica Removal in the Chemical
Water-demineralizing Cycle, by A. M. Prokhorova.
RUSSIAN, per, Teploenergetika, Vol 9, No 10,
1962, pp 21-26.
NII/9022. 09 1963 (3125)

A. M. PROKHOROVA

Sci -
Jul 67

334,286

Prokhorova, A. M.
RESTORING THE LOST EXCHANGE CAPACITY OF
STRONGLY BASIC ANION EXCHANGERS. [1961].
Order from FT \$14.95 FT-611

Trans. of Teploenergetika (USSR) 1961 [v. 8] no. 5,
p. 66-70.

DESCRIPTORS: *Ion exchange, Exchange reactions.

(Chemistry--Physical, TT, v. 6, no. 4)

61-22993

I. Prokhorova, A. M.
II. FT-611
III. Paraday Translations,
New York

Office of Technical Services

Effect of Medicated Sleep, Produced by Barabamyl, on
the Course of Experimental Diphtheria Intoxication, by
A. M. Prokhorova, 5 pp.

RUSSIAN, per, Byul Eksper Biol i Med, Vol XLIII,
No 1, Jan 1957, pp 53-56.

Consultants Bureau

Sci - Med

May 58

63,611

Technological Properties of Strongly Basic Anionites,
by A. N. Prukhorova.

RUSSIAN, per, Teploenergetika, Vol III, No 12, 1956,
pp 14-20.

A7B 3A25R
BJ-152Z
1

Sci
May 59

87,260

Pathoanatomical Changes in the Central Nervous
System and in the Internal Organs of White Rats
When Varying ~~XXXX~~ Doses of Barbamyl [Raxtal]
Are Used, by A. M. Prokhorova, 6 pp.

RUSSIAS, no per, Byul Ekspier Biol i Med, Vol XII,
No 7, Jul 1956, pp 75-78.

Consultants Bureau

Sci - Med

56,187

Dec 57

On the Gas Exchange During Respiration of Grain
Stored in Silos and Warehouses, by A. P. Prokhorova
V. L. Kretovich.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXIII, No 1,
1948, pp 65-68.

D.S.I.R./27141

Sci - Chemistry
Apr 57 CTS/dex

46,699

The Polarographic Determination of Ultrasmall
Quantities Using a Stationary Mercury Electrode,
by E. N. Vinogradova, G. V. Prokhorova, 4 pp.

RUSSIAN, per, Zavod Lab, Vol XXVI, No 1, 1960,
pp 41-45.

ISA

Sci

Feb 61

141, 911

The Kinetics of the Catalytic Decomposition of
 H_2O_2 In the Presence of $Na_2WO_4 + SrCl_2$, I, by
I. K. Prokhorova, G. A. Bogdanov, 3 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXIII, No 12,
1959, pp 2721-2728.

Cleaver-Hume Press

Sci

Sep 60

127,794