

Cinematographic Examination of the Reactions of the  
Pupils to Convergence, by V. R. Shakhovich, 3 pp.

RUSSIAN, par, Fiz Zhur SSSR in I. M. Sechenova, Vol  
XLIV, No 2, 1958, pp 170-172.

Pergamon Inst

Sci - Med

Jan 59

80,330

Cinematographic Recording of Visual Reflexes and  
its Diagnostic Significance, by V. R. Shakhnovich,  
4 pp.

RUSSIAN, per, Byul Eksper Biol i Med, Vol ~~4~~ XLIII,  
No 7, 1957, pp 105-107.

Consultants Bureau

Sci - Med

Jun 58

65,448

Toxicology of Chlorinated Naphthalenes, by F. B.  
Shakhnovskaya.

RUSSIAN, no per, Farmakol i Toksikol, Vol XVI, No 2,  
1953, pp 43-47.

Assoc Tech Sec RJ-145

Scientific - Medicine

10,156

62-22745

Shakhnovskii, L. N.

"FREE" NICOTINE. [1962] 12p.

Order from K-H \$15.00

K-H 3160(1)

Trans. of Tabak (USSR) 1953, v. 14, no. 5,  
p. 26-29.

DESCRIPTORS: \*Nicotine.

- I. Shakhnovskii, L. N.
- II. K-H-3160-a
- III. Kresge-Hooker Science  
Library Associates,  
Detroit, Mich.

(12656)

(Biological Sciences--Pathology, TT, v. 8, no. 10)

Office of Technical Services

Shakhovskii, L. N.  
INFLUENCE OF AMMONIA ON THE FLAVOR  
STRENGTH OF TOBACCO PRODUCTS. [1962] 8p.  
Order from K-H \$10.00                      K-H 3439-b

Trans. of Tabak (USSR) 1954, v. 15, no. 3, p. 40-44.

DESCRIPTORS: \*Ammonia, \*Taste, \*Tobacco,  
Cigarettes.

(Chemistry, TT, v. 8, no. 10)

62-22746

- I. Staff, S. S.
- II. K-H-3439-b
- III. Kresge-Hooker Science  
Library Associates,  
Detroit, Mich.

0226370

Office of Technical Services

Hydrolyzed Nicotine as an Index for Sensory  
Strength of Makhorka, by L. N. Shakhnovskiy,  
5 pp.

RUSSIAN, per, Tabak, Vol XX, No 1, 1959,  
pp 14-17.

SIA 60-10313

Sci

OTS, Vol III, No 7

Nov 60

135,121

Chemical Composition of the Smoke of Some  
Tobacco Products, by L. N. Shakhnovskiy.

GERMAN, per, Tabak, No 4, 1960, pp 17-20.

GB/116

Sci-Chem  
May 63

229,892

Shakhnovskiy, L. N.  
THE CHEMICAL COMPOSITION OF THE SMOKE OF  
SOME TOBACCO PRODUCTS. [1960] 9p.  
Order from LC or SLA mi\$1.80, ph\$1.80 61-10698

Trans. of Tabak (USSR) 1960 [v. 21] no. 4, p. 17-20.

An investigation of 150 samples of cigarettes, manufactured in January, 1959, covering the production of most USSR factories showed the following limits of variation: free nicotine, 1.4 to 26.3 mg; total nicotine, 10.8 to 43.5 mg; ammonia, 0.0 to 6.1 mg; pyridine, 2.9 to 21.1 mg; 2,4 dinitrophenylhydrazone, 12.5 to 45.0 mg; acetic acid, 4.3 to 74.0 mg; and pH 4.4 to 7.0. It is concluded that raw tobacco quality can be objectively characterized by determining in its smoke such indicators as the smoke pH, free and combined nicotine, acidity determined by titration, total strong and weak bases, and carbonyl compounds.

(Chemistry - Analytical, TT, v. 5, no. 12)

61-10698

- 1 Tobacco - Chemical analysis
- 2 Smokes - Chemical analysis
- 1 Shakhnovskiy, L. N.

Office of Technical Services



Construction of Green's Tensor for the Problem of a  
Small-Angle Shell With Double Curvature in Equilibrium  
by B. N. Eradlin, S. M. Shakhnovskiy, 6 pp

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXI, No 6, 1960,  
pp 1298-1300

AIP  
Sov Phys - Doklady  
Vol V, No 2

Sci  
Nov 60

132, 723

8-48bb

(2000-B).

**The Problem of the Role of the Hypophyseal-Suprarenal System in the Development of Certain Manifestations of Experimental Radiation Sickness,**  
by A. A. Grafov, V. V. Shakhodurov, 1<sup>st</sup> pp.

**RUSSIAN, per, Vest Ak Med Nauk SSSR, Vol. XLIX,  
No 9, Moscow, 1958, pp 12-21.**

JFIS L-724-B

USSR  
Sci - Med - Radiology  
Apr 59

84,832

(NY-3000/29)

Ten Million Tons of Petroleum, by S. Shakhorov,  
5 pp.

RUSSIAN, изп, Turkmen'skaya Iskra, 5 Nov 1960.

JPRS 7833

USSR  
Econ  
Mar 61

142,106

(SF-1878)

The Problem of Photosynthesis, by  
A. Shakhov, 5 pp.

RUSSIAN, pp, Pravda, No 204 (15694),  
23 July 1961,

JPRS 13329

Sci - Biol

190,108

Apr 62

Along the Way of Technical Progress, by A. Shakhov,  
G. Vaynshteyn, 9 pp. UNCLASSIFIED

RUSSIAN, mo per, Grazhdan Aviatsiya, No 11, Moscow,  
Nov 1957, pp 28-31.

US JPRS/NY-L-140

USSR

Econ - Civil aviation

64,147

Physical Processes in a Snow Cover, by A. A. Shakhov,  
17 pp.

RUSSIAN, bino per, Iz Ak Nauk SSSR, Ser Geog i Geofiz,  
Vol XII, 1948, pp 239-248.

Sci Trans Center RT-122

USSR  
Scientific - Geophysics

8672

Jan 54 OIS

Submicroscopic Structure and Function of Chloroplasts in Potatoes Under Different Environmental Conditions, by A. A. Shakhov, ~~1961~~  
B. M. Galubkova, et al, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol. CXLI, No 5,  
1961, ~~pp 1246-~~ pp 1246-.

AIBS

200,964

Sci.  
Jun 62

Changes of the Mechanical Properties of Snow as a  
Function of Time (hardening), by I. V. Krachal'akiy,  
A. A. Shukhov, 7 pp.

RUSSIAN, bk, From a book containing ... papers on  
"The Physical and Mechanical Properties of Snow and  
Their Utilization in the Construction of Roads and  
Aerodromes", published by the Soviet Academy of  
Sciences, 1945, pp. 10-13.

~~51/0799~~  
Sci Museum Lib No 51/0799<sup>6</sup> - London

1967



An Electron Microscope Study of the Root Systems of  
Plants With Root Systems Kept as ...  
by A. A. Shakhov, B. M. Golobkov, B. ...

RUSSIAN, per, Dok Ak Nauk SSSR, Vol. 1960, No. 1  
1960, pp 486-488.

AIBS

Sci

Jul 61

267

The Effect of Cosmic Radiation of ...  
by A. A. Shakhov, 20 pp.

RUSSIAN, per, Zhur Gakh Miel ...  
1968, pp 81-89. 9672780

FDI-77-01-777

Sci-Bio  
Doc 62

...

On Chloroplast Structure in Relation to Ultraviolet Irradiation,  
by A. A. S. Lohrey, B. M. Schiller, 7 pp.  
RUSSELL, J. W., Plant Research, Vol. 1, No. 3, 1963, pp 289-296.

CB

Sci  
Mar 64

289,978

On Increasing the Density of Snow by Compression, by  
A. S. Kondrat'eva, I. V. Kragel'skiy, A. A. Shalshov,  
p. 7 pp.

RUSSIAN, bk, From a book containing ... papers on  
"The Physical and Mechanical Properties of Snow and  
Their Utilization in the Construction of Roads and  
Aerodromes", published by the Soviet Academy of Sciences,  
1945, pp. 5-9.

~~51/0795~~

Sci Museum Lib No 51/0795 - London  
also: AECTA 609

25

**Integral Equations for the Problems of the Irregular  
Fronts of Steady Incompressible, by E. M. Sakhov, 3 pp.  
RUSSIAN, per, *Issledovaniya Akad. Nauk SSSR*, Vol IV, No 2,  
1954, pp 212-215.  
JPRS 26427**

**Set - Engr  
OIE 61**

**267,892**

Investigation of the Relaxation Time of the Motion of  
Vacuum Materials, by Ye. N. Sazonov, 11 pp.

RUSSIAN, part, Inzhenernyy Zhurnal, Vol. VIII, No 3, 1963.

BTAS 22961

Sci.  
Jan 64

24, 1963

60  
Development of Fibre-Parallel Boundary Layer  
in the Neighborhood of the Critical Point of a Sharp  
Body. *Acta in Mathematica Hungarica*, by VIKTOR M. SHUBERT.  
12 pp.  
SERIEMAN, par. *Mathematikai Lapok*, Vol II, No 3,  
1942. 285-291  
FTD-TT-48-79

Sci - Engr  
May 64

257,670

Vaporization of Solids by Absorbed Radiation  
Energy, by E. M. Shakhov, 23 pp.

RUSSIAN, per, Inzhenernyy Zhurnal, Vol I,  
No 4, 1961, pp 27-38. 9685047

FTD-TT-63-77

Sci-Phys

Aug 63

*342,070*



The Flow Round a Flat Plate of a Supersonic Stream  
of Ideal Gas in the Presence of Volumetric Evolution  
of Heat, by I. P. Shakhov, V. A. Frost.

RUSSIAN, per, Trudy Fiz-Tekh Inst, Izzledovaniya po  
Mekhanike i Prikladnoy Matematike, No 7, 1961, pp 110-  
124.

\*FTD-TT-62-1049

Sci - phys

17 Jul 62

Resonance of Domain Boundaries and Spin Resonance  
in Magnesium-Nickel Ferrites, by V. I. Shakhov,  
E. I. Kondorskiy, 5 pp.

RUSSIAN, per, Fiz Tverdogo Tela, Vol IV, No 1,  
1962, pp 29-35.

AIP  
Sov Phys - Solid State  
Vol IV, No 1

210,482

Sci  
Sep 62

Measurement of the Energy Flux Emitted by  
the Plasma in "Alpha," by V. A. Burtsev,  
A. M. Stolov, V. V. Shakhov, 6 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXX,  
No 12, 1960, pp 1415-1421.

AIP  
Sov Phys-Tech Phys  
Vol V, No 12

164,639

Sci

Phase Equilibrium Diagram of Titanium-Niobium-Chromium  
Alloys

By I. I. Shakhova, P. B. Buzberg pp. 7

RUSSIAN, per. Iz Ak Nauk SSSR, Otdel Tekh Nauk, Metall i  
Toplivo, No 6, 1962 pp. 137-141

SIC

340,722

Sic

Jul 63

Shakhova, K. I. and Budberg, P. B.  
PHASE EQUILIBRIUM DIAGRAM OF TITANIUM-  
NIOBIUM-CHROMIUM ALLOYS. [Aug 63] 4refs  
Order from SIC \$12.00

Trans. of Akademiya Nauk SSSR. Otdeleniye Tekhnicheskikh Nauk. Izvestiya Metallurgiya i Toplivo, 1962, no. 6, p. 137-141.  
Also available from SIC in Russian Metallurgy and Fuels, 1962, no. 6, \$68.00/year

DESCRIPTORS: \*Heat resistant metals and alloys, \*Chromium alloys, \*Niobium alloys, \*Titanium alloys, Phase studies, Thermodynamics, Quenching (Cooling), High temperature research

An examination has been made of the region of the ternary Ti-Nb-Cr system which was thought most promising for the development of high-temperature alloys. (Metallurgy, TT, v. 10, no. 11)

63-22437

- I. Shakhova, K. I.
- II. Budberg, P. B.
- III. Scientific Information Consultants Ltd. (G. Brit.)

Office of Technical Services

Investigation of Titanium-Niobium Alloys  
K. I. Shakhova, P. B. Gudberg.

RUSSIAN, per, Iz Ak Nauk SSSR, Zhurnal Tekhnicheskoy  
Metal i Toplivo, No 4, 1961, pp 56-58.

A. Cygalski, B. Sany, 10000  
115, Brent Lane  
Dartford, Kent - England

Sci - Chem, Min/Metal

Nov 61

174,552

Properties of Alloys of the Nickel-Chromium-  
Tungsten Ternary System, by P. B. Rudberg,  
K. I. Shakhova, 3 pp.

RUSSIAN, per, Zhur Neorgan Khim, Vol V, No 2,  
1960, pp 415-420.

Cleaver-Hume Press

Sci

Nov 60

132,035

Synthetic Investigations in the Field of Flavonoids  
III. Total Synthesis of Quercetin-3- $\beta$ -Rutinoside,  
Rutin, by M. K. Shakhova and G. I. Samokhvalov, 6 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXXII, No 2,  
1962, pp 390-395.

CB

Sci.

Feb 63

234 009



Synthetic Studies in the Field of Flavonoids, II, Syn-  
thesis of 3-Nitro-Flavanone, by G. I. Samokhalov, M. K.  
Shekhova, M. I. Budagyants, 3 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXXI, No 4, 1961,  
pp. 1147 - 1149

CB

196, 684

Sci  
Apr 62

Effect of Ionizing Gamma Radiation on the  
Structural Mechanical Properties of Starch  
Gels, by V. F. Oreshko, L. E. Chernikova,  
N. G. Shakhova, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIV,  
No 3, 1960, pp 636-640.

CB

Sci

153,008

The Effect of Twist and Structure on the Physical  
and Mechanical Properties of Mergon Yarn, by V. A.  
Usenko, N. V. Shakhova, 10 pp.

RUSSIAN, per, Iz VUZ, Tekh Tekstil'noy Prom,  
No 6 (19), 1960.

Textile ~~Scientific~~ Institute

Oct 22 62

214,244

Bcl

Gravimetric Determination of  $\pi$ -Scandium by  
Means of Benzene-seleninic and Benzene-sulfonic,  
by I. P. Alimarin, N. V. Sankhova, 4 pp.

RUSSIAN, per, *Zhur Anal Khim*, Vol XVI,  
No 4, 1961, pp 412-416.

CB

Sci

May 62

195,782

Angular Distribution of Shower Particles in Stars  
Produced by High-Energy Particles by L. A. San'ko,  
Zh. B. Takibayev, Ts. I. Shakhova, and L. Ya. Balata,  
6 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XXXVII(10),  
No 1, 1960, pp 3-10.

Amer Inst of Phys  
Sov Phys - JETP

Sci

Pub 60

108,023

Investigation of the Angular Distribution of Secondary  
Particles in Showers Produced by High-Energy Nucleons  
by L. A. Ben'ko, Zh. S. Takhirayev, To. I. Shakhova,  
7 pp.

RUSSIAN, paper, Zhur Eshyer & Teoret Fiz, Vol XXIV,  
No 3(9), 1958, pp 574-583.

Amer Inst of Phys  
Sov Phys - JETP  
Vol XVIII (35), No 3

Sci - Phys

83 879

Apr 59

Contribution to the Synthesis of Ceriumolybdic  
Heteropolysacid, by Z. F. Shakhova, V. A.  
Gavrilova, 5 pp.

RUSSIAN, per, Zhur ~~Neorganicheskii~~ Neorgan Khim,  
Vol III, No 6, 1958, pp 1370-1373.

AEC-tr-4454  
PL-480

Sci

Jan 62

PSI 376

77853

Photometric Determination of Cerium as Ceriummolybdic  
Heteropoly Acid, by S. Z. F. Shakhova, and S. A.  
Gavrilova, 4 pp.

RUSSIAN, per, Zhur Anal Khim, Vol XIII, No 2, 1958,  
pp 211-214.

Consultants Bureau

Sci - Chem  
Feb 59

81,326



Thermogravimetry and Its Applications in Analytical Chemistry, by Z. P. Shakhova, R. E. Semenovskaya.

RUSSIAN, per, Zavod Lab, Vol XXII, No 12, 1956, pp 1430-1435.

Henry Bratcher 4302  
\$8.65

Sci - Chem  
Nov 58

75,934

Preparation of heteropoly molybdotitanic acid. by  
Z. F. Shakhova, E. N. Jemanovakaya. 2 pp.

RUSSIAN, per. Zhur Neorgan Khim, No 5, 1962.  
pp 1084-1086.

CS

Sci

Apr 63

233,406

Electron Diffraction Studies on Molybdic  
Heteropolyacids of Germanium, by Z. F.  
Shakhova, G. N. Tishchenko and R. K. Mo-  
torikina, 7 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXVII,  
No 5, 1975, pp 1118-1124.

Consultants Bureau

Sci - Chem

Sep 58

72, 839

Determination of Germanium as Germanomolybdic Acid  
After its Separation From Certain Elements by an  
Extraction Method, by Z. F. Shakhova, R. K.  
Motorkina and N. N. Maltseva, 6 pp.

RUSSIAN per, Zhur Anal Khim, Vol XXII, No 1, 1957,  
pp 95-99.

Consultants Bureau

Sci - Chem

71,782

Aug 58

A Study of the Redox Properties of Germanium Hetero-  
polyacids, by Z. F. Shakhova, R. K. Motorkina, 8 pp.

RUSSIAN, no per, <sup>2</sup>hur Obshch Khim, Vol. XVI, No 10,  
Oct 1956, pp 2663-2672.

Consultants Bureau

Sci - Chemistry  
Mar 58

60,088

Photometric Determination of Germanium as  
Germanovanadomolybdic Acid, by Z. F. Shakhova,  
R. K. Motorkina, 6 pp.

RUSSIAN, bimo per, Zhur Anal Khim, Vol XI, No 6,  
Nov/Dec 1956, pp 698-703.

Consultants Bureau

Sci - Chemistry  
Sep 57

53,488

Study of the Blue Products Obtained in the  
Reduction of Germanium Heteropoly Acids, by I.  
P. Alimarin, Z. F. Shakhova, R. K. Motorkina,  
4 pp.

Full tr

~~RUSSIAN~~  
RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol CVI,  
No 1, 1956, p 61.

41,579

Consultants Bureau

Sci - Chemistry  
Dec 56 CIB

TP 958

SHAKHOVSKOI G. P.

H P and H T multiplier

Multiplicateur H P et H T

Prib. Tekhn. Eksp. SSSR, No. 5, 95-97 (1960)

Commissariat à l'Energie Atomique, Saclay - French

E u r a t o m



UHF Receiver, by O. Rzhiga, A. Bakhovakoy, 7 pp.

RUSSIAN, per, Radio, No 7, 1957.

OTS 59-11242

Sci - Electronics  
Feb 59

81,997

Observation of Signals from Earth Satellites.  
Method of Observation (RHY), by O. B. Baidyev and  
A. Shukrovskoy, 12 pp

RUSSIAN, par, Radio, No. 8, 1957, pp 20-31

AFSS D-20-20214

56, 3 40

Sci - Space Research  
Dec 57

USSR Amateur Radio Observations of Signals from the  
Soviet Artificial Satellites, by A. M. Shakhovskoy,  
3 pp. UNCLASSIFIED

RUSSIAN, papers presented at Moscow Conference of  
CSAGI, Moscow, 1-9 Aug 1958.

US JPRS/DC-287

Sci - ~~Geophys~~ *Space research*  
Dec 58

Determination of Heat of Transition in Cerium Under  
Pressure, by M. G. Gonikberg, G. P. Shakhovskoy,  
V. P. Butuzov, 7 pp. UNCLASSIFIED

RUSSIAN, per, Zhur Fiz Khim, Vol .XXI, No 2, 1957,  
pp 350-353.

AEC Tr 3222

Sci - Phys

May 58

64,814

S-138/60

(NY-37139)

Measuring the Melting Points of Aluminum and  
Copper at Pressures up to 18,000 Kilograms  
per Centimeter, by M. G. Gonikberg, G. P.  
Shakhovskoy, V. P. Butuzov, 7 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXI, No 8,  
1957, pp 1839-1842.

JPRS 2541

Sci - Phys  
Apr 60

114, 713

An Apparatus of Super-High Pressure with a Simultaneous  
Achievement of High Temperatures, by S. S. Koksha,  
O. P. Shakhovskoy, 5 pp.

RUSSIAN, per, Pribery i Tekh Eksper, No 3, 1958,  
pp 86-89.

Instru Sec of Amer

Sci

Apr 60

114,010

New Type of Autoclave for Hydrothermal Synthesis,  
by V. P. Butuzov, G. P. Shakhovskoy, S. P. Smirnov,

RUSSIAN, bk, Rost Kristallov, 1957, pp 326-329.

ATIC F-13-9447/v

Sci. - Chem  
Oct 59

99,482

The Melting Temperatures of Zinc, Cadmium,  
Bismuth, and Antimony at Pressures up to  
30,000  $\text{kg}/\text{cm}^2$ , by V. P. Butuzov, E. G. Paryatovskij,  
G. P. Shakhovskoi, 3 pp.

RUSSIAN, three-mo per, Dok Ak Nauk SSSR, ~~Engl~~  
Vol. CIX, No 3, 1956, p 519.

CIA/IDD X-1228

Sci - Mts/Metals  
Dec 1956 CTS/sex

41,664



The Melting Points of Zinc, Cadmium, Thallium  
and Antimony at Pressures to 30,000 kg/cm<sup>2</sup>, by  
V. P. Mitozov, E. G. Pomyatovskiy, G. P. Shakhov-  
skoye. UNCLASSIFIED

RUSSIAN, par, Dok Ak Nauk SSSR, Vol. CX, No. 3,  
pp 519-520.

Sci Mus Lib 57/4478

Sci - ~~Mineral~~ Chem  
Sep 58

73,398

Types of Automotive Electrical Equipment for 1959-  
1965, by V. I. Shakhovtsev, 9 pp.

RUSSIAN, par, Avtomobil Prom, No 8, 1959, pp 3-5.

ACBI H-5717

USSR

~~USSR~~

Mar 60

110,445

Thermodynamics of Dielectrics and the Molecular  
Structure of Liquids, by M. I. Shakhparanov,  
6 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXVII, No 5,  
1963, pp 1169-1172. 9217203

AEC-Tr-6074

Sci - Phys  
Jun 64

248,377

The Structure of Solutions, by A. I. Shakhparonov,  
9 pp.

RUSSIAN, per, Zhur Neorgan Khim, Vol I, No 6, 1956,  
pp. 1194-1201.

ACE-Tr-4587

Sci

340,901

Apr 63

**Dielectric Properties of Acetone-Benzene Solutions  
in a Super-High Frequency Field and Concentration  
Fluctuations, by Dr. Yu. M. Akhmedov, M. I. E  
Shakhsarova, et al, 9 pp.**

**RUSSIAN, per, Zhur Strukturny Krim, Vol II, No 2,  
1961, pp 131-139.**

CB

Sci  
A Jun 62

200,127

Investigation of Vapor Pressures and Vapor  
Densities of Binary Solutions of Chlorinated  
Silanes, by K.M. Korchemskaya, M.I. Shakhparov  
S.L. Lel'chuk, 5 pp.

RUSSIAN, per, Zhur' Prik Khim, Vol XXXIII, No  
1960, pp 2703-2707.

CB

Sci

172, 813

Oct 61

Investigation of Vapor Pressure and Density in the  
Binary Systems Methylchlorosilane-Trimethylchlorosilane  
and Silicochloroform-Benzene, by M.I. Shakhparonov  
S.L. Lel'chuk, K.M. Korchemskaya, 5 pp.

RUSSIAN, per, Zhur Prikl. Khim. Vol. XXVIII, No. 12, 1960,  
pp 2699-2702.

CB  
F-15

Sci

172,812

Oct 62

The Relationship Between Solubility, Coefficient  
of Activity and Properties of Particles Constitut-  
ing a Solution, by M. I. Shakhparonov.

RUSSIAN, per, Zhur Fiz Khim, Vol XXV, 1951, pp  
1103-1110.

*Shk P-176*  
AEC Tr 2824

Sci - Physics

*45, 102*

Mar 57/CTS



Theory Of Solutions. III. The Effect of  
Fluctuations on the Dielectric Constant,  
Magnetic Permeability, and Electrical  
Conductance of Solutions, by N. I. Zhuravnev,  
3 pp.

RUSSIA, per, Zhur Fiz Khim., Vol. 37, No. 5,  
1961, pp 977-984.

Cleaver-Rune Ltd

Sci.  
May 62

195,416

The Theory of Solutions. X. Effect of Fluctuation  
on the Dielectric Constant of Isotropic Homogeneous  
Systems, by M. I. Shakhparonov, 5 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXIV, No 7,  
1960, pp 1478-1487.

Cleaver-Hume Press

Sci

155,346

Jun 61

The Dielectric Constant and Molecular Structure of  
Solutions Having a Critical Region of Separation  
into Layers, by N. N. Lomova, M. I. Shakhparonov,  
4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIV,  
No 3, 1960, pp 632-635.

CB

Sci.

153,007

May 61

Fine Structure of the Rayleigh Scattering Line  
in Solutions and Hyperacoustic Dispersion, by  
L. V. Lashina, M. I. Shakhparonov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIII,  
No 3, 1960, pp 624-625.

CB

Sci

149, 196

Apr 61

Polytherm of the Three-Component System  $\text{HCl}-\text{H}_2\text{O}-\text{PCl}_5$   
 $\text{H}_2\text{O}$  at  $\text{H}_2\text{O}$  Temperatures from  $-10.8$  to  $35^\circ$ , by V. A.  
Polosin, M. I. Shakhparonov, 11 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XIII, 1939, pp  
541-546.

SLA R-3355

Sci

Aug 59

73, 603

Vapour Pressure and Vapour Density in Systems  
Containing Organosilicon Compounds. I. The  
System Benzene-Methyldichlorosilane-  
Methylphenyldichloro-Silane, by M. I. Shalkh-  
paronov, E. A. Balamatova, S. L. Lel'chuk,  
4 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXIV, No 8,  
1960, pp 1734-1740.

Cleaver-Burns Press

164,542

Sci.

Aug 61

Rayleigh Scattering of Light in Solutions of Acetone  
in Carbon Tetrachloride, by M. I. Shakhparonov,  
D. K. Beridze, 3 pp.

RUSSIAN per, Dok Ak Nauk SSSR, Vol <sup>C</sup> LXXXVII,  
Nos 1-3, 1961, pp 315-318.

AIP  
Soviet Physics  
Vol VI, No 3

Sci

169,323

Sep 61

The Theory of the Thermodynamic Properties of Solutions III. Semenzhenko Rule, by M. I. Shakhperonov, 14 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXV, 1951, pp 1374-1383.

SLA R-2830

Sci

Jul 59

92,432



The Physical-Chemical Fundamentals for Obtaining  
Complex Combination Fertilizers. The Polytherm  
of the Ternary System Potassium-Chloride-Mono-  
ammonium-Phosphate Water from  $-10.8^{\circ}$  to  $35^{\circ}$ , by  
V. A. Polosin, M. I. Shakhperonov, 10 pp.

RUSSIAN, per, Trudy TSKhA, Yubileinyi Sbornik, No  
4, 1940, pp 51-61.

SLA R-2854.

Sci

Jul 59

92, 423

Vapour Pressure and Vapour Density in Systems Contain-  
ing Organosilicon Compounds. III. Dimethyldichlorosilane  
-Methyl(chloromethyl)dichlorosilane-methyl(dichloromethyl  
dichlorosilane and Trimethylchlorosilane-dimethyl-(chloro-  
methyl)chlorosilane-dimethyl(dichloromethyl)chlorosilane  
Systems, by E. A. Balamitova, M. I. Shakhparonov, S. L.  
Lel'chuk, pp 2.

RUSSIAN, per, Zhur Fiz Khim, Vol. XXXIV, No 10, 1960, pp  
2156-2159

Cleaver-Hume Press / 69, 210

Sci

Aug 61

Rayleigh Scattering of Light by Solutions of  
Nitrobenzene in Hexane, by D. K. Beridze,  
M. I. Shalaparov. 5 pp.

RUSSIAN, par, Optika i Spektro, Vol X, No 2,  
1961, pp 240-248.

CSA

Sci

159, 730

Jul 61

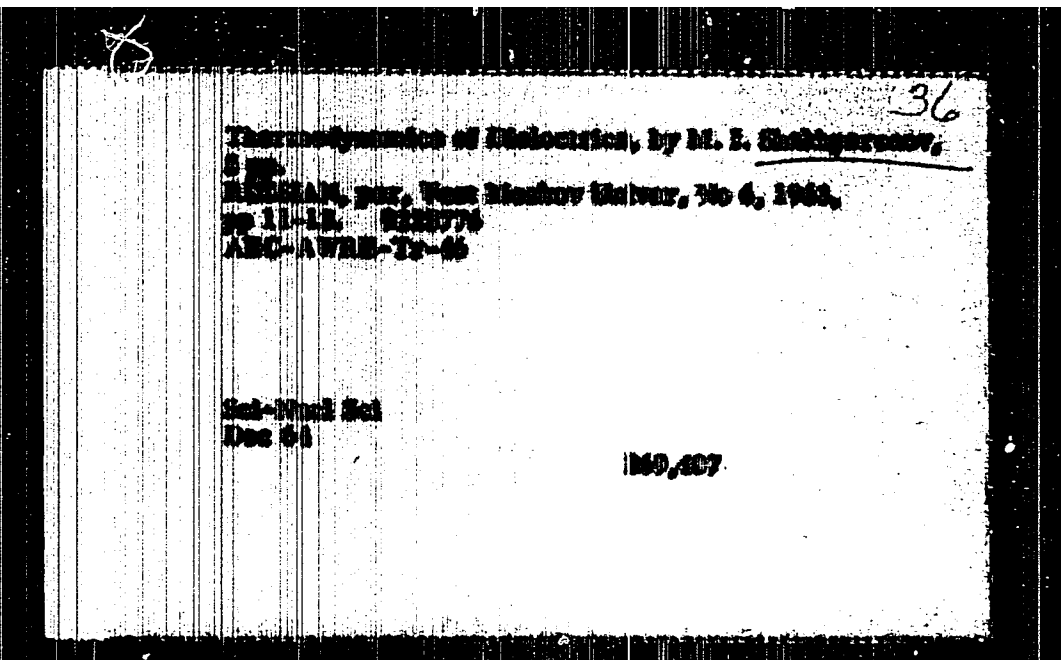
Investigation of the Structure of Solutions By  
The Molecular Scattering of Light, by  
M. I. Shakhparonov, E. G. Shlenkina, 8 pp,

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCVI,  
No 1, 1954, pp 55-58.

CIA/FDD/X-1606

22,842

Scientific - Chemistry    Apr 55 (TS)



SHAKHPARONOV, M. I.

The Solubility of d-Camphor in Organic Solvents

Zhur Obshch Khim, Vol XX, No 2, 1950 (May), pp 319-  
321

Consultants Bureau Translation

A10760

Theory of Solutions, by M. I. Shakharonov.

RUSSIAN, per, Vestnik Moskov Univ, Vol IX, No 5,  
Ser Fiz-Mat i Estestven Nauk, No 3, 1954, pp 55-59.

AFS RJ-1145

Sci • Phys

Apr 60

114,510

Thermodynamics of Dielectrics, by M. I. Shakhparonov,  
5 pp.  
RUSSIAN, per, Vest Mosk Univ, Seriya II, Khim,  
Vol XVIII, No 6, 1963, pp 11-13.  
AEC-AWRE-Tr-46

p/102

M. I. Shakhparonov

Sci-NS/A  
Mar 65

274,961



On the Theory of Dielectric Polarization, by M. N. Shakhparonov, 4 pp.

RUSSIAN, thrice-mo per, Dok Ak: Nauk SSSR, Vol CXI, No 4, Nov-Dec 1956, pp 815-

Amer Inst of Phys  
Sov Phys "Doklady"  
Vol I, No 6

Sci - Physics  
Oct 57

53,397

Individual Aspects of the problem of Absence of  
Responsibility, by I. K. Shakhrimanyan, 7 pp.

RUSSIAN, bk, Voprosy Psikhatrii i Nevropatologii,  
No 4, 1953.

OTS 60-21174  
PL-480

Sci - Med

Apr 62

PST 211

The Resolution Power of the Electromagnetic Sounding  
Method in the Presence of Nonconductive Strata, by  
A. N. Tikhonov, D. N. Shakhmurov, E. V. Lybakova,  
3 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Geofiz, No 10,  
1959, pp 1455-1459.

AGU

Sci

Sep 60

126,338

The Electromagnetic Field Produced by a  
Dipole at Points in Distant Zones. by A. N.  
Tikhonov, D. N. Shakhsuvarov, - pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Geofiz,  
No 7, 1959, pp 946-955.

Amer Geophys Union

Sci  
Aug 60

124, 436

The Distinguishing of Equivalent Earth Sections  
by Means of Alternating Electromagnetic Fields, by  
A. N. Tikhonov, D. N. Shakhshvarov, E. V.  
Rybakova. 3 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Geofiz, No 8,  
1959, pp 1202-1205.

Amer Geophys Union

Sci  
Aug 60

124, 450

18

Reduction of Barite by Natural Gas, by  
G. B. Shakhmatovskii.  
RUSSIAN, Tr. Akad. Nauk SSSR, No 2, 1960, pp 135-  
139.  
REF ID: A62841 (12209)

G. B. SHAKHTAMOVSKI

Sci-Chem  
Aug 60

361,311

Iodometric Determination of Arsenic Acid Using  
Organic Solvents, by G. B. Shalhtakhtinsky,  
pp.

RUSSIAN, per, Zhur Anal Khim, Vol IX, No 4,  
Jul-Aug 1954, pp 233-238. CIA D 151241

Consultants Bureau

Scientific - Chemistry    Mar 55 CRS/DEX

22,504

Investigation of the Saturation Vapour  
Pressure of Thallium Selenide, by M. G.  
Shakhtskhtinski, A. A. Kuliev, 3 pp.

RUSSIAN, per, Fiz Metal i Metallov,  
Vol XX, No 2, 1960, pp202-204.

PP

156,231

Sci

Jun 61



G B SHAKHTAKHTINSKIY

Conditions of the Reduction of Gypsum by  
Natural Gas, by G. B. Shakhtakhtinskii.  
RUSSIAN, per, Izvestiya Vysshikh Uchebnykh  
Zavedenii. Neft i Gaz, No 1, 1960, pp 121-124.  
NTG 71-15641-07B

Mar 72

Vapor Pressure of Saturated Selenium Vapors Below  
the Melting Point, by A. A. Kilyev, M. G. ~~Shklyarskiy~~ Xiy  
4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXK, No 6, 1959,  
pp 1284-1286.

Consultants Bureau

Sci - Chem

22/6/59

70, 100

Development of a Theory of Recirculation  
Processes, by M. F. Nagiev, T. N. Shakh-  
takhtinskiy, P. V. Karamzin, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXV,  
No 3, Jul/Dec 1957, pp 576-579.

Consultants Bureau

Sci - Chem  
Aug 58

69, 327

Absorption of Beta-Radiation From Co<sup>60</sup> by Fire-  
Resistant Materials, D. M. Shakhtin, V. D. Kovalev,  
10 pp.

3 pp

RUSSIAN, par, Zavod Lab, Vol 2, No 2, 1960,

~~pp 173-182~~

pp 173-182

TSA

140,877

Sci-

Feb 61