

(NY-5100)

Time Lost in Winter Repair of River  
Tankers, by V. Syzranov, V. Shapinskiy,  
I. Dobritskiy, 3 pp.

RUSSIAN, np, Vodnyy Transport, 16 Nov 1961.

JPRS 13285

USSR  
Econ  
Apr 62

190,173

(NY-6401)

Budget of Kippat Cholim Must Be Balanced  
From Members' Dues, by Y. Shapira, 3 pp.

HEBREW, mp, Davar, 21 Nov 1961, p 5.

JPRS 12879

EE/Afr - Israel  
Econ  
Mar 62

188,627

... Theory of the Solution ...  
... Water ...  
...  
...  
...  
...  
...

Shapiro p162

Application of Method of Engineer F. L. Kovalev in  
Mechanized Earthwork, by Shapiro, I. A.

RUSSIAN, per, Mekhanizatziya Stroitel'stva, 1951, No 3,  
pp 5-8.

Sci Museum Lib No 52/0470

A 1110

The Determination of Nonmetallic Inclusions  
in Steel, by Shapiro. UNCLASSIFIED

RUSSIAN, handbook, The Metallurgy and Heat  
Treatment of Steel and Cast Iron, 1957, Chap X,  
pp 112-116.

~~Ge-op Tr Scheme~~  
~~Tr 904~~

*British Iron and Steel Institute*  
Min/  
Sci - Met  
Jun 58

64,695

Infectious Anemia, by Ya. Kolyakov, A. Pinus, A.  
Eli Shapiro. UNCLASSIFIED

RUSSIAN, bk, Veterinarnyi Entsiklopedicheskiy Slovar,  
Vol I, 1950, pp 386-393.

UEDA

Scientific - Medicine  
June 5, 1950 CNS/DEX

14,896

Computer Calculation of Temperature Distribution  
in Cupolas, by L. M. Marienbakh, A. M. Shapiro.

RUSSIAN, per, Lit Proiz, Sep 1960, pp 25-28.

HB 5125

Sci - Engr

Jun 61

156913

Diffusion Kinetics for a Surface of Unequal Accessibility, by O. M. Todes, A. P. Shapiro, 8 pp.

RUSSIAN, per, Kinetika i Kataliz, Vol I, No 2, 1960, pp 324-332.

CB

Sci  
Jul 61

162,787



Tetradymite Flotation, by V. I. Zelenov, A. P.  
Shapiro, 3 pp.

RUSSIAN, per, Tsvetnye Metally, Vol I, No 6,  
1960, pp 14-17.

Primary Sources

Sci  
Feb 61

140,255

Attacking a Target from Below by the Combat-Hump  
Method by G. F. Voloshenko, A. Sh. Shapiro, 3 pp.

RUSSIAN, per, Vest Voz Flota, No 4, 1958, pp 33-34.  
CIA 615891

ATTC

USSR  
Military  
Sci - Aeronautics  
Oct 58

74, 356

(NY-5330)

How to Improve the Operation of Kalkhoz-type  
Rediffusion Stations, by A. V. Radzievskiy, Ye. A.  
Shapiro, 13 pp.

RUSSIAN, per, Vestnik Svyazi, No 8, 1954.

JPRS 7112

Sci

Feb 61

140,698

A New Electrical Proportional-Action Effector, by  
V. I. Litvak, A. Ya. Shapiro, 4 p.

RUSSIAN, per, Avtomat i Telemekh., Vol XX, No 2,  
1960, pp 253-256.

Instru Soc of Amer

Sci

Apr 60

112,514

DESCRIPTION OF THE FIVE-PARTIAL CASE OF ANTI-  
SPRING PRINTED BY MARTIN J. KENNEDY, ET AL.  
M. J. KENNEDY, A. J. KENNEDY, ET AL., 8 PP.

CONVULSION, FOR, THAT KENNEDY, THAT ENLIGHTENED  
STREET, W. R. IV, 1961, PP 309-310.

JUN 30 1971

SCI - BIC  
AND 6

310,810

Application of C<sup>14</sup>-Labelled Substances in the  
Study of Adipose Tissue Metabolism, by B. Shapiro,  
G. Rose,

ABSTRACT, paper P/776, Proceedings of International  
Conference on Peaceful Uses of Atomic Energy Held  
at Geneva 8-20 Aug 1955, Vol XII.

Internatl Conf -- UN

Sci - Nuclear Physics  
Apr 57

CIA 1-669.9.162

46,805

An Electro-Acoustical Method of the Registration of  
Detonations in Aviation Engines, by A. S. Sokolik, A  
I. Sokolik, B. K. ~~Shapiro~~, M. I. Rodman, 20 pp.

RUSSIAN, per, Tekh Vozdush Flot, No 5, 1947.

AMC F-TS-7368

Sci - Aero Engineering

7. 9. 78

Changes in the Pancreas in Myocardial  
Infarction, by B. M. Shapiro.  
RUSSIAN, per, Arkhiv Patologii, Vol XXV,  
No 11, 1963, pp 50-58.  
OTS TT-64-19657  
LQAH

Jun 67

317,531



Motions in the F-Region of the Ionosphere above  
Tbilisi during the Eclipse of February 15, 1961  
by B. S. Shapiro and V. M. Shashun'kina, 5 pp.

RUSSIAN, par, Geomagnet i Aeron, Vol I, No 5,  
1961

AGU

Sci

Jun 63

342, 613

On Certain Results of Determining the Electron  
Concentration of the Outer Regions of the Ionosphere  
by Means of Observations of Radiom Signals From the  
First Artificial Satellite, by Ya. L. Alpert,  
B. P. Chudansenko, B. S. Shapiro, 26 pp.

RUSSIAN, par, Uspekhi Fiz Nauk, Vol LXV, 1958,  
pp 161-174.

ABC/RF 152

Sci - Spec Res

*File #100*

Nov 58

(DC-1410)

The Development of Rolled Stock Production, by  
B. S. Shapiro, 12 pp.

RUSSIAN, no per, Stal', Vol XVII, No 11, Moscow,  
Nov 1957, pp 992-996.

US JPRS/DC-L-869

USSR  
Econ - Germany, Poland, Rumania, Czechoslovakia  
Econ - Ferrrous Metallurgy

985, 011

RESERVES OF ROLLING PRODUCTION FOR THE SERVICE  
OF COMMUNISM, BY B. S. SHAPIRO, 7 PP.

RUSSIAN, PER, METALLURG, NO 11, NOV 1962,  
PP 6-8.

JPRS 16869

USSR

ECON

SCI - M/M JAN 63

218,683

(S. 1000)

Investigation of the Distribution of Ionization  
With the Height, by B. S. Shapiro,  
13 pp.

RUSSIAN, Izv, Issledovaniya Ionosfery, IGI Program  
Part V, No 3, 1960, pp 7-10

JPRS 10980

Sci - Geophys  
Dec 61

175, 500

Results of Investigations of the Outer Region of the  
Ionosphere According to Observations of Radio  
Signals of the First Artificial Earth Satellite, by  
Ya. L. Al'pert, E. F. Chudzenko, B. S. Shapiro,  
73 pp. UNCLASSIFIED

RUSSIAN, Pamphlet, Predv aritel'nyye Itogi Nauchnykh  
Ispytaniy s Pomoish'yu Partynkh Sekret Izhvost  
Sputnikov Zemli i Rakot, Sbornik Staty, No 1,  
PART II, 1958, pp 40-108.

US 8712/EX 721 207 735

Sci - Space Res  
Oct 58

(NY-1577)

The Programming of Computations of Ionospheric True  
~~XXXXXX~~ Heights on Electronic Computers, by B. S.  
Shapiro, T. L. Vinnikova, 6 pp.

RUSSIAN, per, Geomagnetizm i Aeronomiya, Vol III,  
No 2, 1963, pp 269-276.

AGU

Sci  
May 64

258,514

N(h)-Profiles of the Ionosphere over Moscow during  
the Magnetic-Ionospheric Disturbances of November  
1960, by N.I. Potapova, B.S. Shapiro, 9 pp.

RUSSIAN, per, Geomagnetizm i Aeronomiya, Vol III,  
No 1, 1963, pp 63-72.

AGU

Sci

May 64

258,4784



On the Results of a Determination of Electron  
Concentration of the Outer Region of the Ionosphere  
From Observations on the Radio Signals of the  
First Earth Satellite, by Ya. L. Al'pert, F. P.  
Dobryakova, E. F. Chudesenko, B. S. Shapiro.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX, No 4,  
Jun 1958, pp 743-746.

IGY 32

Sci - Spac Res

Sep 58

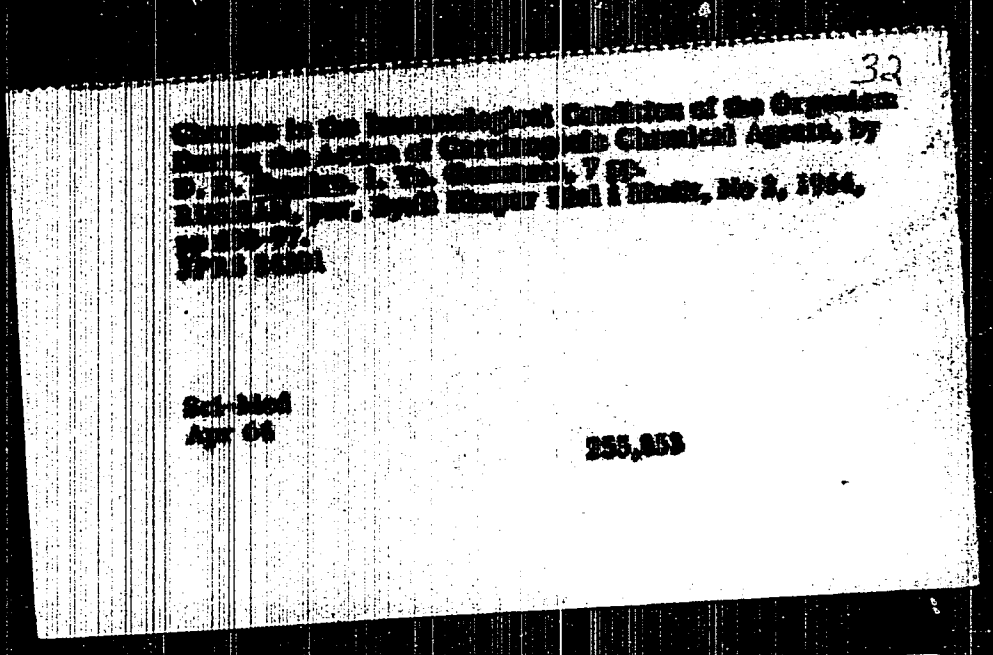
73, 9:22

Facts and Figures on Who Moved in White Russia, by  
M. G. Gerasimov, S. S. Gerasimov.  
REVIEW, part, Wladimir I. Vlasovskiy, Vol VIII, No 212,  
1952, pp 21-22.

CSRO/No. 467

Oct-April  
Feb 61

290, 667



Calculation of the Efficiency of Shielding  
Chambers, by D. N. Shapiro, 20 pp.

RUSSIAN, bimo per, Radiotekhnika, Vol X, No 4,  
Apr 1955, pp 36-47.

ATIC F-TS-864.1/V

Sci - Electronics  
Feb 1957 CES/dex

44, 415

TT-63-24460

Shapiro, E. A.  
THE SORPTION PROPERTIES OF NERVE DURING  
DEVELOPMENT OF A PESSIMUM IN A NERVE-  
MUSCLE PREPARATION. [1963] [Sp] 11refs  
FASEB Manuscript no. S 123-3.  
Order from OTS, SLA, or ETC \$1.10    TT-63-24460

Trans. of Tsitologiya (USSR) 1962, v. 4, no. 4,  
p. 449-451. (Abstract available)

DESCRIPTORS: \*Absorption (Biological), \*Nerves,  
\*Neuromuscular transmission, Biological stains,  
Stimulation, Electrokymography, Histological  
techniques.

A vital staining method was used to investigate the  
changes in the sorption properties of the nerve during  
the development of a pessimum in a nerve-muscle  
preparation as a result of the prolonged application of  
(Biological Sciences--Physiology, TT, v. 11, no. 6)  
(over)

- I. Title: Pessimum
- I. Shapiro, E. A.
- II. FASEB-S-123-3
- III. Federation of American  
Societies for Experimental  
Biology, Washington, D. C.
- IV. Scripta Technica, Inc.,  
Washington, D. C.

Office of Technical Services

( NY-3432 ).

Methods of Measuring Human Radioactivity, by L. I.  
Zlobin, A. N. Pisarevskiy, E. I. Shapiro, V. A.  
Shamov, 7 pp.

RUSSIAN, par, Medit Radiolog, Vol IV, No 6, 1959.

JPRS 2773

Sci - Medicine

Oct 60

130,972

Polymerisation of Isopropyl Vinyl and Cyclohexyl  
Vinyl Ethers in Presence of 2,2-Azobis[2-Methyl-  
propionitrile], by M. F. Shestakovsky, F. P.  
Sidelkovaizaya, E. S. Shapiro, 4 pp.

RUSSIAN, bimbo per, Iz Ak Nauk SSSR, Otdel Khim  
Nauk, No 6, Nov/Dec 1955, pp 1085-1090,  
CIA 54276 C, reel 3.

Consultants Bureau

Sci. - Chemistry

37,643

Aug, 1956

Investigation of Lactones and Lactams, Communica-  
tion 10. Addition of Hydrogen Sulfide to  
N-Vinyl Lactams, by M. F. Shostakovskiy, E. S.  
Shapiro, F. P. Sidel'kovskiya, 6 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel <sup>(a)</sup> ~~Sci~~ Nauk,  
No 1, 1958, pp 68-74.

Consultants Bureau

Sci - Chem

May 79

86, 871



Synthesis of Polyfunctional Sulfur Compounds from  
Divinyl Ether and Hydrogen Sulfide, by N. P.  
Shostakovskiy, E. S. Shapiro, E. V. Dubrova, 5 pp.

RUSSIAN, per, Zhur Oshchik Khim, Vol XXVIII, No 12,  
pp 3311-3316

Consultants Bureau

Sci

Feb 60

109,000

Formation of Low-Molecular-Weight Polymers of  
Vinyl Ethers in Presence of Benzoyl Peroxide, by  
M. T. Shostakovskiy, E. S. Shapiro, Z. P. Sidel-  
kovskaya, 4 pp.

Full tr

RUSSIAN, no pag, Iz Ak Nauk, Otdel Khim Nauk, No 3,  
1956, pp 368-372. CIA 9000402

Consultants Bureau

Sci - Chemistry  
Sep 56 CES

*38,661*

Synthesis of Sulfur Compounds from  
Vinyl Ethers and Acrylates. A Review of  
The Most Effective Catalysts for the Addition  
of Hydrogen Sulfide to Vinyl Ethers in the  
Direction Contrary to Markovnikov's Rule, by  
M. P. Shostakovskiy, B. N. Prileshchikova, N. S.  
Shapiro. 6 pp.  
Full translation.

RUSSIAN, Mikro per, Iz Ak Nauk, Ser. Khim. Nauk,  
Jan/Aug 1955, pp 734-741.      CIA R 44476

*30, 6-56*  
Cons. no. 44476

Scientific - Chemistry  
Year 56 CBS/cax

Synthesis of Sulfur Compounds by the Aid of Vinyl  
Ethers and Acetylene. Communication 7. Peculia-  
rities of the Reaction of Addition, Contrary to  
Markovnikov's Rule, of Hydrogen Sulfide to Butyl  
Vinyl Ether, by M. F. Shostakovskiy, E. N.  
Prilezhaeva, E. S. Shapiro, 10 pp.

RUSSIAN, *in*o per, Iz Ak Nauk SSSR, Otdel Khim Nauk,  
No 2, 1954, pp 292-302. *CIA/D 151309*

*23,413*

Consultants  
~~ESSENCE/TECHN~~ Bureau

Scientific - Chemistry

May 55 CTS/DEK

Chlorination of Diacetylene Synthesis of  
Hexachloro-1,3-Hexadiene, by M. F. Shostakovskiy,  
E. S. Shapiro, L. I. Shmonina, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVIII, No 1,  
1958, pp 114-.

Consultants Bureau

Sci - Chem

Jun 59

88,822

Synthesis of Sulfur Compounds by the Aid of Vinyl Ethers and Acetylene. Communication 8. General Method for the Synthesis of 2-Alkoxyethanethiols, by M. F. Shostakovskiy, E. N. Prilezhaeva, E. S. Shapiro, 10 pp.

RUSSIAN, bino per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 2, 1954, pp 303-313. C.F.A.D 151309

23, 318

Consultants Bureau

Scientific - Chemistry

May 55 CTS/DEK

Synthesis of Sulfur Compounds by the Aid  
of Vinyl Ethers and Acetylene. Communication  
6. Reactions of Thiols With Vinyl Ethers, by  
M. F. Shostakovsky, E. N. Prilezhaeva, R. S.  
Shapiro, 10 pp.

RUSSIAN, bimo per, Iz Ak Nauk BSSR, Otdel Khim  
Nauk, No 2, Mar/Apr 1953, pp 357-367.

Consultants Bureau

Scientific - Chemistry

CTS/DEX

17,991

Synthesis of Sulfur Compounds by the Aid of Vinyl Ethers.  
Communication 5. Some New  $\alpha,\beta'$ -and  $\beta,\beta'$ -Dialkoxo  
Derivatives of Diethyl Sulfide, by E.N. Prilezhaeva,  
E.S. Shapiro, M. F. Shostakovsky, 5 pp.

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Otdel Khim Nauk,  
No 3, May-Jun 1952, pp 478-483.

Consultants Bureau

USSR  
Scientific - Chemistry

Mar 54 CTS/DEX

10,218



(EC-6953)

XB  
FERTILITY OF MALE MICE EXPOSED TO GAMMA RADIATION  
DURING EMBRYONIC GROWTH AND THE VIABILITY OF THEIR  
OFFSPRING, BY F. B. SHAPIRO, 14 PP.

RUSSIAN, PER, NAUCH DOK VYSS SHKOLY,  
BIOLOGICHESKIYE NAUKI, NO 2, 1962, PP 104-108.

JPRS 14833

SCI - BIOLOGY

AUG 62

208,382

Fertility of Female Mice Irradiated ~~with~~ during  
Fetal life and Viability of the Offspring, by  
F. B. Shapiro, 3 pp.

RUSSIAN, par, Dok Ak Nauk SSSR, Vol CLIV,  
No 4, 1959, pp 921-4.

Amer Inst of Phys  
Sov Phys - Doklady  
Vol IV, No 2a

Sci

Dec 59

101,867

S-5203

(NY-2619).

The Protective Action of Heroin on the Embryos of  
White Mice in Total Irradiation of the Mother,  
by F. B. Shapiro, 6 pp.

RUSSIAN, per, Medit Radiolog, No 3, 1959, pp 39-42.

JPRS-L-859-N

Sci - Medicine, Radiology  
Jul 59

93,410

Alteration in the Sex Ratio of Mice as a  
Possible Result of Gamma-Irradiation of Embryos,  
by F. B. Shapiro, N. I. Shapiro, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXII, No 2,  
1958, pp 215-.

Amer Inst. of Phys  
Sov Phys - Doklady  
Vol III, No 5

Sci - Phys  
Jul 59

91,771

Deviation From the  $1/r$  Law in the Green Portions of Slow  
Fluorescence Spectra in Light Scattering, by A. A. Bergman,  
P. L. Shagan, 22 pp.  
KUSNETS, P. N. P. N. Lebedev Akad. Nauk  
USSR, 1944, 21 pp. 021031

ARCO-77-6153

Sci-Nucl Sci  
Feb 61

249,523

Energy Dependence of Cross Sections for  $(n,\gamma)$   
Reactions on a Number of Odd-Z Nuclei, by Yu. P.  
Popov, F. L. Shapiro, 9 pp.

RUSSIAN, per, Zhur Eksp. i Teoret. Fiz, Vol XLII,  
No 4, 1960, pp 988-1000

AIP  
Sov Phys - JETP  
Vol XV, No 4

Sci  
Sep 62

214,945



Neutron Spectrometry Based on the Measurement of  
the Decelerating Time of Neutrons, by L. E.  
Lazareva, E. L. Feinberg, F. L. Shapiro, 2 pp.

RUSSIAN, no per, Zhur Eksper i Teoret Fiz, Vol  
XXIX, No 3, 1955, pp 381-383.

American Inst of Physics  
Soviet Physics, Vol II, No 2

Sci - Physics  
Feb 57 CTS

43,840



Increase of Intensity in Time of Flight  
Measurements by Sweeping the Beam Over the  
Target, by F. L. Shapiro, 8 pp.

RUSSIAN, per, Priory 1 Tekhnika Eksperiments,  
No 1, 1957, pp 33-36. 9202272

AKC-Tr-5540

Sci - Phys  
6 Mar 63

~~123,779~~  
224,214

Deviation from the  $1/v$  Law in the Cross Sections of Slow  
Neutron Reactions in Light Nuclei, by A. A. Bergman,  
E. L. Shapiro, 33 pp.  
RUSSIAN, per, Zh. Eksperim. i Teor. Fiz., Vol XL, 1961,  
pp 1270-1281.

AEC-Tr-6153

Sci - NS  
Feb 64

250, 528

The Mossbauer Effect, by F. L. Shapiro, 7 pp.

RUSSIAN, per, Uspekhi Fiz Nauk, Vol LXXII, 1960,  
pp 685-696.

AIP  
Sov Phys - Uspekhi  
Vol III, No 6

Sci

155,616

Jun 61

Several Possibilities of Using Polarized  
Thermal Neutrons in View of Parity Nonconservation  
During  $\beta$ -Decay, by F. L. Shapira, 33 pp.

RUSSIAN,  $\beta$ yr, Uspekhi Fizicheskikh Nauk,  
Vol LXV, No 1, 1958, pp 133-140.

AEC-tr-5332  
PL-480

Sci  
Jun 64

261,440

Cross Section of the Reaction  $He^3(n,p)$  for the  
Neutron Energies up to 25 kev (kilo electron Volt)  
and the Excited  $He^4$  Level, by A. A. Fomunov, A. I.  
Isakov, Yu. P. Popov, F. L. Shapiro, 10 pp.  
UNCLASSIFIED

RUSSIAN, Phys Inst of P. M. Lebedev, Acad of Sci  
USSR,

AEC/SCL-8-151

Sci - Nuc Phys

58,695

Feb 58

Several Possibilities of Using Polarized Thermal  
Neutrons Connected With Nonconservation of Parity  
During B- Decay, by F. L. Shapiro,

RUSSIAN, per, Uspekhi Fiz Nauk, Vol LXV, 1958,<sup>751</sup>  
pp 133-140. ↑

AEC Tr-3965

Sci - Chem

Apr 60

115,075

Average Neutron Velocities in Various Media,  
by K. D. Tolstov, F. L. Shapiro, I. V. Stranikh,  
22 pp.

Full translation.

RUSSIAN, bk, Conference of the Acad of Sci of the  
USSR on the Peaceful Uses of Atomic Energy, 1-5 Jul.  
1955, Session of the Div of Physico-Mathematical  
Sciences,

GPO

35,407  
Consultants Bureau  
259 West 14th St,  
New York 11, N.Y.

Sci - Nuclear Physics  
\*87 Rpts for \$350.00

Measurement of Temperature Effects in Uranium-  
Graphite Subcritical Systems, by B. P. Adyasevich,  
I. M. Frank, O. I. Kosinets, F. L. Shapiro, I. V.  
Stranikh, K. D. Tolstov, 23 pp.

Full translation.

RUSSIAN, bk, Conference of the Acad of Sci of the  
USSR on the Peaceful Uses of Atomic Energy, 1-5 Jul  
1955, Session of the Div of Physico-Mathematical  
Sciences, 35,400

GPO

~~Consultants Bureau  
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New York 11, N.Y.~~

Sci - Nuclear Physics  
\*87 rpts for \$350.00



Measurement of the Effective Cross Section for the  
the  $Li^6(n,\alpha)$  Reaction for 2.5-Mev Neutrons, by  
A. V. Kipidinskiy, F. L. Shapiro, I. V. Shtrenik,  
11 pp.

RUSSIAN, per, Atomnaya Energiya, Supple No 5,  
1957, pp 75-89. CIA 9033743

Consultants Bureau

Sci - Nuclear Phys  
Nov 58

77,085

Investigation of the Parameters of Uranium-Graphite  
Heterogeneous Systems by the Prism Method, by L. V.  
Groshev, O. I. Kozinets, L. E. Lazareva, K. O.  
Tolstov, E. L. Feynberg, I. M. Frank, F. L. Shapiro,  
I. V. Stranikh, 30 pp.

Full translation.

RUSSIAN, bk, Conference of the Acad of Sci of the  
USSR on the Peaceful Uses of Atomic Energy, 1-5 Jul  
1955, Session of the Div of Physico-Mathematical  
Sciences,

GPO

35, 411  
Consultants Bureau  
259 West 14th St,  
New York 11, N.Y.

Sci - Nuclear Physics  
\*87 rpts for \$350.00

TT-85-83896

Field 13M

Shapiro, G. A.; Sokolov, M. E.  
THE STRENGTH AND DEFORMATION OF HORIZONTAL  
JOINTS IN LARGE-PANEL BUILDINGS (P Prochnosti i  
Deformatsionost' Gorizontelnykh Stykov Krupnopanelnykh  
Zdanii). Tr.by V. McEachran. Aug 64, 7p, 3 refs.  
LC-1217.  
Order from CPSTI or ETC: HC\$1.10, MF\$0.50 as  
TT-85-83896

1. Department of Scientific and  
Industrial Research  
(Gt. Britain)

Trans. of Beton i Zhelezobeton (USSR) v9 n6 p265-7 1963.  
Available copy will not permit fully legible reproduction.

205267

Study of the Fine Structure of X-ray Adsorption Spectra of Iron in Some Antiferromagnetic Substances and Ferrites, by E. E. Vainshtein, E. I. Kotlyar, G. A. Shapiro, 3 pp.

R  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXV,  
No 1, 1959, pp 55-58.

Amer Inst of Phys  
Sov Phys - Doklady  
Vol IV, No 2

Sci

101,827

Dec 59

TT-65-63886

Field 13M

Shapiro, G. A.; Sokolov, M. E.  
THE STRENGTH AND DEFORMATION OF HORIZONTAL  
JOINTS IN LARGE-PANEL BUILDINGS (P Prochnosti i  
Deformativnosti Gorizontalnykh Stykov Krupnopanelnykh  
Zdanii). Tr.by V. McEachran. Aug 64, 7p, 3refs.  
LC-1217.  
Order from CFSTI or ETC: HCS1.10, MFS0.50 as  
TT-65-63886

Trans. of Beton i Zhelezobeton (USSR) v9 n6 p265-7 1963.  
Available copy will not permit fully legible reproduction.

I. Department of Scientific and  
Industrial Research  
(Gt. Britain)

7/22/5196 1965(1217)

On the Integration by quadratures of equations *62b*  
in problems of the Plane two-dimensional theory  
of plasticity with allowance for strengthening  
of material, by G. S. Shapiro.  
Известия АН ССРСР, Механика  
Vol 13, No 6, 1949, pp 659-662.  
\*AMT tr 1949

G S Shapiro

Sci, Materials  
Feb 67

On a Rigid-Plastic Annular Plate Under Impulsive  
Load, by G. S. Shapiro, 8 pp.

RUSSIAN, per, Prikl Mat i Mekh, Vol XXXII, No 1,  
1959, pp 172-175.

PP

Sci - Math  
Oct 59

99,110

Deflection of a Semi-infinite Plate Lying  
On an Elastic Foundation, by G. S. Shapiro.

RUSSIAN, bimo per, Priklad Matemat i Mekh,  
Vol VII, 1943.

OGE Tr 48

Scientific - Geophysics CTS 65/Feb 55

21, 425



On Integration in Quadratures of Equation of  
Plane Uniform Problem of Theory of Plasticity  
With Account Taken of Hardening of Material,  
by G. S. Shapiro, 7 pp.

RUSSIAN, bimo per, Prik Matemat i Mekh, Vol XIII,  
Nov/Dec 1949, pp 659 - 662. CIA C 41504

8911354867

AEC-TR-1572

Lib. Congress RT-914  
NACA N-12274

Scientific - Engineering

~~Unpublished paper available on loan only~~

A 107.02

San 1952 C 15

R-2398

(2560-D).

The Iron Ore Base of the USSR Ferrous Metallurgy  
and the Path of Its Growth in 1959-1965, by I.  
Bardin, Ye. Moskal'kov, I. Shapiro, 17 pp.

RUSSIAN, per, Plan Khoz, No 12, Moscow, 1958,  
pp 16-27

JPRS L-1572-D

84,764

USSR

Econ - Technological, Ferrous Metallurgy  
Apr 59

Features of the Interrelationship of the Frit Fly  
(Oscinella Frit L.) and Damaged Plants With  
Reference to the Resistance to Maize to This  
Pest, by I. D. Shapiro, 7 pp.

RUSSIAN, per, Entomlogicheskoye Obozreniye,  
No 4, 1961, pp 794-806.

AIBS

Sci  
Sep 62

211,715

The Use of Glass Pipelines in the Coke and  
Chemical Industry, ~~XX~~ by I. E. Shapiro, E. G.  
Frolova, 3 pp.

RUSSIAN, per, Koks i Khim, No 11, 1960,  
~~XXXXXXXX~~ pp 60-63.

CIRA

Sci

Jun 61

157,392

Shapiro, I. E.  
CONCERNING THE PRODUCTION OF A THIN MATTER  
SURFACE AT THE GRINDING OF GLASS

1 ref.  
Order from OIS or SLA \$1.10

Trans. of Russian language article from unidentified  
source, n.d.

DESCRIPTORS: Glass, Grinders, Corundum, Acids,  
resins, Polymers, Sheets, Abrasion, Industrial  
ment, Surfaces, Erosion, Production

C227677

(Materials-Ceramics, TT, v. 9, no. 4)

Welding of Glass Pipes and Fittings to Ducts,  
by E. G. Frolova, G. V. Pototskaya, I. E.  
Shapiro, A. N. Afanas'yev, 4 pp.

RUSSIAN, per, Steklo i Keramika, Vol XIV,  
No 5, 1957, pp 24-27.

Consultants Bureau

Sci

Jun 60

118,231

Nonintestinal Digestion in Insect Larvae  
in Plants and Its Biological Significance  
I. P. Shapiro, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol. XXXVI, No. 1  
1959, pp. 214-17

American Journal of Entomology

Sci

Jan 60

125 227

(M-6531)

Shortcomings in the Fish Industry of the  
Kaliningradskiy Sovmarkhoz, By I. G. Shapiro,  
8 pp.

RUSSIAN, per, Rybnoye Khozyaystvo, No 2, 1961,  
pp 73-77.

JPRS 9712

163091

*Dept Interior*  
*HS36 457 9712*  
USSR  
Econ  
Aug 61



Certain Results on the Supercritical Flow Around  
Turbine Cascades, by L. M. Zysina-Molozhen,  
~~XXXXXXXXXXXX~~ I. G. Shapiro, 7 pp.

RUSSIAN, per, Teploenergetika, Vol II, No 3,  
1955, pp 34-37.

CIA 1520 100

Morris D. Friedman

30,276

Scientific - Physics

Jan 56 CTS/DEX  
\$3.50

(FLOW ONLY CIA 1240)

Interferometric Investigation of the Flow Around  
Cascades of Turbine Profiles by Trans and  
Supersonic Flows, by V. A. Zysin, L. M.  
Zysina-Molozhen, K. S. Poliskov, I. G. Shapiro, 11 pp.

RUSSIAN, per, Teploenergetika, Vol II, No 2, 1955,  
pp 38-43.

Morris D. Friedman

Scientific - Physics

Jan 56 CTS/DEX

\$5.50

30,275

Cytological Analysis of Changes Induced by Whole-Body  
X-Irradiation in Epithelium of Mucosa of the Small  
Intestine of the Mouse, by I. B. Bairnova,  
I. M. Shapiro, 9 pp.

RUSESIAN, per, Radiobiologiya, Vol II, No 6, 1962,  
pp 897-902.

AEC-Tr-5433

Sci. -  
Nov 63

241,897

(11-6707)

International Symposium on the Primary and  
Initial Processes Occurring in Living Cells.  
After H the RSR Effect of Ionizing Radiation  
on them, by I. K. Shapiro, 7 pp.

RUSSTAE, par, Medit Radiolog No 2, 1961,  
pp 91-93.

JPRS 10000

Sci

Dec 61

Regulation of Cell Division during Embryonic  
Development of Loach (*Misgurnus fossilis* L.) from  
Results of Radiation Experiments, by I. M. Shapiro,  
E. Ya. Lander, pp. 4.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXV, No 3,  
1961, pp. 756-759.

AIBS

Sci

167,922

Sept 61

The Local and Remote Actions of X-Rays on Cell  
Division, by I. M. Shapiro, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIV, No 4,  
~~EXPER~~ 1957, pp 760-.

Amer Inst of Biol Sci

Sci - Biology

Aug 58

70,327

The Nuclear Damage Caused to Resting Cells by  
Ionizing Radiation, by I. M. Shapiro, 3 pp.

RUSSIAN, part, Dok Ak Nauk SSSR, Vol CCXIV, No 3,  
pp 681-.

Amer Inst of Phys  
SOV Phys - Doklady  
Vol IV, No 1

Sci - Phys

97,211

The Humoral Mechanism of Distant Effects of  
Ionizing Radiations Upon the Process of Cell  
Division (As Investigated With the Use of  
Parabiosis), by I. M. Shapiro, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVI,  
No 3, 2 Sep/Oct 1957, pp 411.

Amer Inst of Biol Sci

Sci - Med  
Aug 58

68, 278



Chromosome Aberrations and Mitotic Activity in  
Animals Protected from Ionizing Radiation by  
Carbon Monoxide, in Relation to Recovery from  
Radiation Damage, by I. M. Shapiro, M. M. Kon-  
stantinova, 3 pp:9

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXV,  
No 3, 1959, pp 654-.

Amer Inst of Phys  
Sov Phys - Doklady  
Vol IV, No 2

Bc1

Dec 59

101,865

Experimental Infarcts of the Kidneys. Communication  
I. Study of the Blood Supply to the Kidneys With  
Infarct by Means of  $P^{32}$ -Marked Erythrocytes, by I. N.  
Shapiro, N. I. Losev, N. N. Partskhaladze, 6 pp.

RUSSIAN, no par, Sverdlovsk Biol i Med, Vol LXI,  
No 8, Aug 1956, pp22-26.

Consultants Bureau

Sci - Med

56,178

Dec 57

The Effect of Various Anesthetics on the Development  
of Toxic Pulmonary Edema Caused by Ammonium Chloride,  
by Yu. I. Viskhlyayev, E. I. Losov, I. M. Shapiro,  
4 pp.

RUSSIAN, no page, Izv. Akad. Biol. i Med. Vol. XII,  
No 6, Jan 1956, pp 42-44.

Consultants Bureau

55, 145

Sci - Medicine  
Box 57

The Action of Ionising Radiation on Cell Division:  
an Investigation of Local and Remote Effects, by  
I. M. Shapiro, 7 pp.

*Russian.*  
~~Full translation of Soviet Periodical Biofiz,~~  
Vol III, No 4, 1958, pp 473-477.

Pergamon Inst

Sci - Biol

Apr 59

86,053

Experimental Renal Infarcts. Communication II.  
Arterial Infarcts, by I. M. Shapiro, 3 pp.

RUSSIAN, per, Byul Eksper Biol i Med, Vol XLIV,  
No 8, 1957, pp 111-113.

Consultants Bureau

Sci - Medicine  
Jul 58

1010, 253

Treatment of Cancer of the Prostate Gland, by I. N.  
Shapiro, V. I. Rozhdestvenskiy, 7 pp.

RUSSIAN, per, Voprosy Onkologii, Vol V, No 6,  
pp 710-716.

Pergamon Press

Sci

Apr 60

114,636

BD-540

(LC 2444 )

Professor Iosif Naumovich Shapiro (75th Birthday),  
2, P  
RUSSIAN, per, Urologiya, No 2, 1958, pp 24, 25.

\*US JPRS L-1641 D

USSR  
Biogr  
5 Dec 58

Lie Groups and Symmetry of Elementary Particles, 113  
by I. S. Shapiro, V. B. Mandel'tsvaig. 50 pp.  
RUSSIAN, rpt, Gruppy Li i Simmetriya Element-  
arnykh Chastits, 1964, NP-14246. 9232860  
AEC ANL-tr-307

*I. S. Shapiro*

Sci/Nuclear Sci  
Jun 66

301,150



THE ORE BASE FOR THE FERROUS METALLURGY OF THE  
USSR, BY I. S. SHAPIRO, 6 PP.

RUSSIAN, PER, METALLURG, NO 11, NOV 1962,  
PP 9-10.

JPRS 168169

USSR  
ECON  
JAN 63

218,684

Dispersion Theory of Direct Nuclear Reactions,  
by I. S. Shapiro, & mp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XIII,  
No 5, 1961, pp 1616-1627

7

AIP  
Sov Phys - JETP  
Vol XIII, No 5

Sci  
Aug 62

200,000

On Parity Nonconservation in G-Parity, *et al.*  
Shapiro, 22 pp.

RUSSIAN, per, Uspekhi Fiz. Nauk, Vol. LXX, No. 3, 1970,  
pp. 313-330.

AEC-tr-3971  
PL-480

Sci

153,993

May 61

WST No 110

Nitrogen Arc Cutting of Stainless Steels,  
I. S. Shapiro, 7 pp.

RUSSTAF, par, Smarokh Pratz, bo n. 1959, pp. 41

British Welding Res Assoc

Sci

Aug 60

123,726

Expansion of a Wave Function in Irreducible Representations of the Lorentz Group, by I. S. Shapiro, <sup>3</sup> pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys Sec, Vol CVI, No 4, pp 647-

Amer Inst of Phys  
Sov Phys "Doklady"  
Vol I, No 1

Sci - Phys

57, 636

Aug 57

Electron Conversion of Gamma Quanta in Beta Decay  
by I. S. Shapiro

RUSSIAN, Dok Ak Nauk SSSR, Vol 67, No 1, 1949,  
pp 53-5

See Upton, New York State: Brookhaven National  
Laboratory  
Guide to Russian scientific per lit, Vol 2, No 12,  
Dec 1949, pp 385-388

Sci Museum Lib No 50/3279 - London

Scientific

FDD PA 54/49794

AECTR. K. 659