

International Symposium on Problems of the  
Conservation of Nature, Held in the German  
Democratic Republic, by G. P. Devent'ev,  
L. K. Shaposhnikov, 5 pp.

RUSSIAN, bk, Okhrana Prirody i Zapovednoe Delo  
v SSSR, Bulletin, No 4, 1960. 9068481

OTS 61-31054  
PL-480

~~USSR~~  
*Sci* Biol  
NOV 62  
PST 624

215,306

The Taxonomic Position and Evolutionary Significance of Forms  
Encountered in the Acclimatization of Animals, by L. V. Shapovalov,  
1 pp.

MURRAY, par, Zoological Jour., Vol XXXII, No 12, 1966,  
pp 1446-1452.

JP 25 21702

Sci-Med & Med  
Jan 66

246, 476

Acclimatization of Fur-Bearing Animals in  
Connection With Problems of Preservation and  
Enrichment of the U.S.S.R. fauna, by L. V.  
Shaposhnikov, 12 pp.

RUSSIAN, bk, Okhrana Prirody i Zapovednoe Delo  
v SSSR, Bulletin, No 4, 1960. 9068481

OTS 61-31054  
PL-480

USSR  
Econ  
Nov 62  
PST 624

215,302

Combined Bath for Exercise in Water and  
Underwater Shower-Massage, by P. K. Sha-  
poshnikov, Yu. K. Mirotvortsev

RUSSIAN, mo per, Voenno Med Zhur, No 1,  
Moscow, Jan 1960, p 87

US JPRS 2641-N

Sci

Jun 60

118,058

Transistorised Translator for Integrating Device,  
by N. S. Nikolayenko, V. B. Shaposhnikov, 3 pp.

RUSSIAN, per, Priborostroyeniye, No 11, 1960,  
pp 18, 19.

Taylor & Francis

Sci

Jun 61

152,903

A Study of Phosphorus Metabolism of the Green  
Photosynthesizing Sulfur Bacterium in Relation  
to Carbon Dioxide Fixation, by V. H. Shaposhni-  
kov, V. D. Fedorov, 226 pp

7

RUSSTAN, per, Biokhim, Vol XXV, No 3, 1960,  
pp ~~372-387~~ 487-495.

CB

140, 748

Sci-  
Feb 61

Biosynthesis of Vitamin B<sub>12</sub> by Actinomyces Olivaceus  
in a Synthetic Medium in the Presence of 5,6-  
Dimethylbenzimidazole, by V. M. Shaposhnikov,  
I. V. Konova, 6 pp.

RUSSIAN, per, Mikrobiologiya, Vol XXXII, No 4, 1963,  
pp 598-602.

CB

Sci  
May 64

259,700

Green Bacteria Utilizing Organic Compounds, by V.  
M. Shaposhnikov, E. N. Kondrat'eva, E. N. Krasil'-  
nikova, A. A. Ramenskaya. 3 pp.

RUSSIAN, per; Dok Ak Nauk SSSR, Vol CXXIX, No 6,  
1959, pp 1424-.

Amer Inst of Biol Sci

Sci -  
Jul 60

121,045



The Biosynthesis of Vitamin B<sub>12</sub> and Free Porphyrins  
by a Culture of *Nocardia Erythropolis*, by  
V. N. Shaposhnikov, T. V. Finogenova, 6 pp.

RUSSIAN, per, Mikrobiologiya, Vol XXXII, No 3, 1963,  
pp 391-395.

CB

Sci

Apr 64

255,033

Comparative Physiology of Strains of Staphylococcus  
Aureus 209R. Resistant or Sensitive to Tetracycline  
by V. N. Shaposhnikov, V. K. Flakunov, 5 pp.

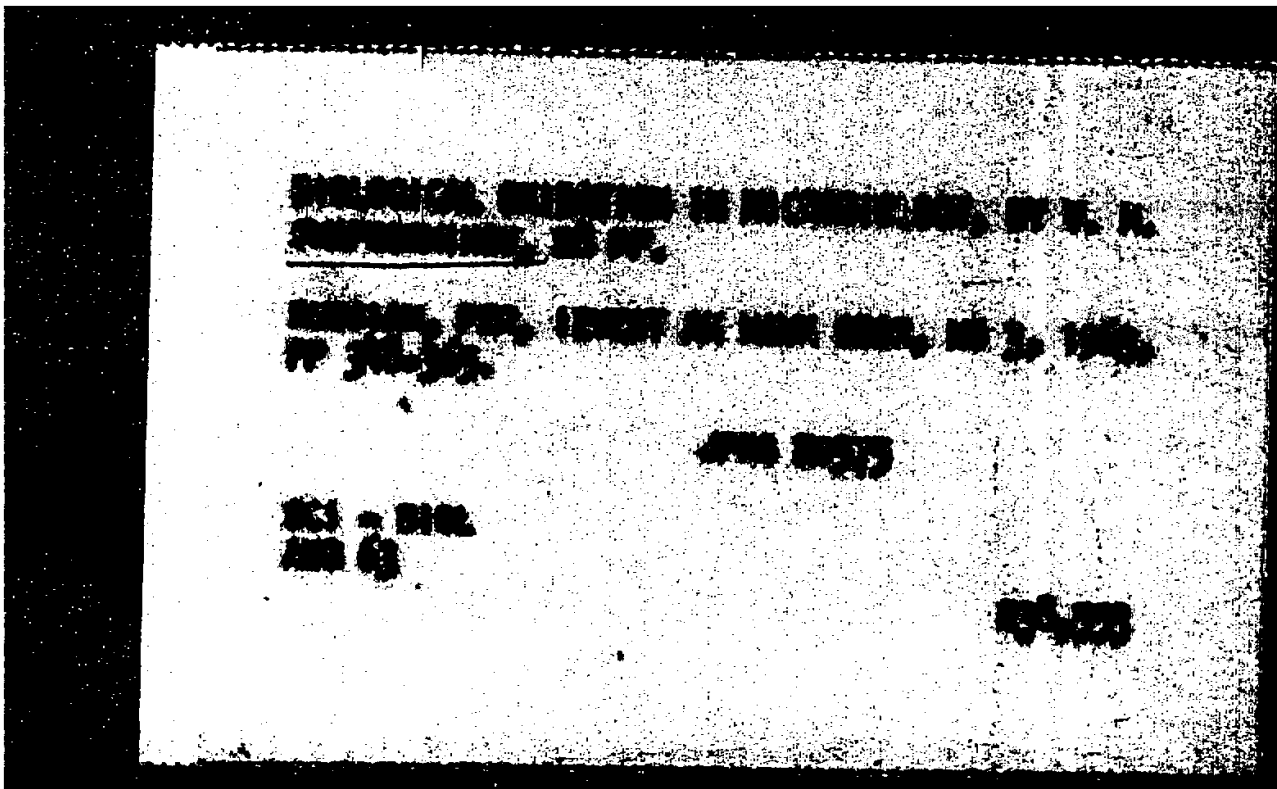
RUSSIAN, per, Dok Ak Nauk SSSR, (Biological  
Sciences Section), Vol CXLVIII, No 2, 1963,  
pp 443-

CB

Sci  
Apr 64

253,971

APPROVED FOR RELEASE: 2005/08/09 CIA-RDP91-00929R000201010064-0



APPROVED FOR RELEASE: 2005/08/09 CIA-RDP91-00929R000201010064-0

FORMATION OF THE ...  
THE ...  
V. L. ...

...  
...  
... 1942, pp. 177-179.

APR 1942

SCI - ...

APR 62

...

Development of the Purple Sulfur Bacterum  
Chromatium Vinosum at Various Light Inten-  
sities, by V. N. Shaposhnikov, L. K. Osnitskaya,  
5 pp.

RUSSIAN, per, Mikrobiologiya, Vol XXX, No 5,  
1961, pp 825-832.

AIBS

Sci

204,214

Jul 62

Participation of Propionic Acid in Chromatium  
Vinosum Anabolism, by V. M. Shaposhnikov, L. K.  
Osnitskaya, V. I. Chudina, 4 pp.

RUSSIAN, per, Mikrobiologiya, No 2, 1960, pp 164-  
169.

Amer Inst of Biol Sci

Sci  
Dec 60

135,500

The Possibility of Regulating the Process of  
Antibiotic Production by *Actinomyces Violaceus*, by  
V. N. Shaposhnikov, M. N. Bekhtereva, N. A.  
Kosheleva, V. E. Khrzhanovskaya, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIV, No 1,  
1959, pp 198-201.

AIBS

Sci - Bio  
Oct 59

100,148

Synthetic Medium for the Biosynthesis of  
Oxytetracycline (Terramycin) by Act Rimous Culture  
IS-T-118, by V. N. Shaposhnikov, Z. M. Zaitseva,  
N. V. Orlova, <sup>5</sup> pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXI, No 2,  
1958, pp 366-.

Amer Inst of Biol Sci

Sci - Med

96,103



A Contribution to the Study of Green Sulfur Bacteria  
of the Genus Chlorocidium, by V. N. Shaposhnikov,  
E. N. Kondrat'yeva, V. D. Fedorov, 7 pp.

RUSSIAN, par, Mikrobiol, Vol XXVII, No 5, 1958,  
pp 529-535.

Amer Inst of Biol Sci

Sci - Biol

May 59

87,842

The Effect of Pyrrole Compounds on the Growth of  
Actinomyces Streptomycini, by V. N. Shaposhnikov,  
T. B. Kazanskaya, I. G. Poltava, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXVIII,  
No 4, 1959, pp 840.

Amer Inst of Biol Sci

Sci

119,186

Jun 60

(FDD 25345)

Material Relationship of the Processes of  
Energy and Constructive Metabolism in  
Bacteria, by V. N. Shaposhnikov, V. A.  
Semenova, 24 pp.

RUSSIAN, bimo per, Mikrobiol, Vol XVIII, No 2,  
Moscow, Mar/Apr 1949, pp 106-118.

CIA/FDD/U-7624

USSR

Sci - Biology, microbiology

30,653

~~(SECRET)~~

CTS 75/Dec 55

Utilization of Acetic Acid as Sole Carbon  
Source by the Photosynthesizing Bacterium, *Chro-  
matium Vinosum*, by V.N. Shaposhnikov, L.K.  
Ositskaya, V.I. Chudina, 4 pp.

RUSSIAN, per, *Mikrobiologiya*, Vol XXIX, No 1,  
1960, pp 14-20.

AI BS

Sci  
Dec 60

134,753

The Tread of Research in the Field of Technical  
Microbiology, by V. N. Shaposnikov.

RUSSIAN, per, VestAk Nauk SSSR, No 11, 1953, pp 65-71.

D.S.I.4 T-562

Scientific - Biology

EXX ONLY

16,856

Interrelation Between the Chemical Composition  
of Soybean Meal Fractions and the Production  
of Streptomycin by Actinomyces streptomycini,  
by V. N. Shaposhnikov, T. B. Kazanskaya, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXVII,  
No 5, 1959, pp 1117-.

Amer Inst of Biol Sci

Sci

Mar 60

110,763

APPROVED FOR RELEASE: 2005/08/09 CIA-RDP91-00929R000201010064-0

Growth of Bacteria on Natural Rubber, by  
V.N. Shaposhnikov.  
RUSSIAN, per Mikrobiologiya, Vol. 21, No. 2  
1952, pp 146-154  
GB 57/1237

*U N SHAPOSHNIKOV*

Sci -  
Aug 67

338-364

APPROVED FOR RELEASE: 2005/08/09 CIA-RDP91-00929R000201010064-0

(DC-4700)

SELECTION OF SYSTEMS OF ORGANIZING THE LABOR  
OF A RIVER BOAT FLEET CREWS WITH THE AID OF  
ELECTRONIC COMPUTING MACHINES, BY S. BLITSKIY,  
YE. SHAPORONOV, 13 PP.

RUSSIAN, PER, SYLLABEN: MICH INFORMATSII:  
TRUD I ZARABOTNAYA PLATA, NO 2, 1962, PP 13-20.

JAN 1974

1750

204,970



Shaposhnikov, Ye. A.  
USE OF YU. A. KROTOV'S APPARATUS FOR  
BACTERIOLOGICAL ANALYSIS ON THE AIR IN  
URBAN TRANSPORTATION CONVEYANCES  
(Premeneniye Apparata Yu. A. Krotova dlya  
Bakteriologicheskogo Issledovaniya Vozdukh na  
Gorodskom Transporte). 8 Mar 61, 2p. Trans.  
V-1659.

Order from OTS or SLA \$1.10 61-19650

Trans. of Laboratornoye Delo (USSR) 1960, v. 6,  
no. 2, p. 53-54.

DESCRIPTORS: \*Bacterial aerosols, \*Urban areas,  
\*Air, \*Passenger vehicles

(Biological Sciences--Microbiology, TT, v. 6, no. 2)

61-19650

- I. Title: Krotov's apparatus
- I. Shaposhnikov, Ye. A.
- II. Trans-V-1659

Office of Technical Services

Device for Obtaining Soap-Suds, by Yu. G. Shaposnikov

RUSSIAN no per, Voenno Med Zhur, No 1,  
Moscow, Jan 1958, pp 88

US JPRS/NY 406

Sci - Medicine  
May 58

63,309

S-74/60

(NY-3583)

The Concentration of the Heavy Isotopes of Carbon  
by a Chemical Method, by Yu. K. Shaposhnikov,  
11 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXII, No 4,  
1958, pp 869-874.

JPRS 2528

Sci - Chem

Aug 60

123,402

Physicochemical Properties of Difluorophosphoric Acid,  
by A. S. Lenskiy, A. D. Shaposhnikova, 7 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XXXIV, No 4, 1962,  
pp 760-768.

CB

Sci

Feb 63

232,712

Study of the Development of ~~Ex~~ Chromospheric Flares  
on the Sun, by A. B. Severnyi, K. F. Shaposhnikova,  
58 pp.

RUSSIAN, per, Iz Krymskoy Astrofiz Observ, No 12,  
1954, pp 3-32.

American Meteorol  
Soc for Geophysics  
Res Dir, ASTIA

Sci - Astronomy

44, 344

Study of the Development of Chromospheric Flares on  
the Sun, by A. B. Severnyi, E. F. Shaposhnikova, 58 pp.

RUSSIAN, per, Iz Krymskoy Astrofiz Observ, No 12, 1954,  
pp 3-32. V-518557

American Meteorol  
Soc for Geophysics  
Res Dir, ASTIA

Sci - Astronomy

44,344

The Origin of Condensation Nuclei, by N. S. Smirnov,  
N. N. Tantsova, I. I. Shaposhnikova, 7 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Geofis, No 3,  
1954, pp 293-298.

Assoc Tech Serv

Sci - Geophys

$\frac{1}{2}$   
Jul 58

67,168

Influence of Mineral Nutrition and Plant Population  
on the Dynamics of Nutrients in Fine Clay Loam  
Chernozems and the Requirements of Corn for  
Them, by I. M. Shaposhnikova, 6 pp.  
RUSSIAN, per, Pochvovedeniye, No 7, 1963,  
pp 249-52.

Scripta Technica

Sci  
Oct 64

268x,153



The Investigation of the Effect of Fungicides on  
the Resistance of Dielectrics to Moulds, by  
O. N. Al'bitskaya, N. A. Shaposhnikova.

RUSSIAN, per, Trudy Vsesoyuznyy Elektrotekh Inst  
No 62, 1958, pp 240-257.

DSIR LLU N. 1611

Sci - Chem

173,089

Nov 61

Cracking Methane to Acetylene in Gaseous Dis-  
charge With the Electrolytic Electrode, by G. S.  
Vozdvishensky, N. A. Shaposhnikova, 5 pp.

RUSSIAN, no per, Zhur Prik Khim, Vol XXVII, No 12,  
Dec 1954, pp ~~1263-1268~~ CIA C 42155.  
1269-1274.

Consultants Bureau

Sci - Chemistry

35, 2/3

JUN 1956/Dex

The Rotation Method of X-Ray Therapy for Very  
Advanced Forms of Cancer of the Female Sex  
Organs, by A. I. Ruderman, N. E. Shaposhnikova,  
Yu. I. Karibov, 7 pp.

RUSSIAN, per, Voprosy Onkologii, Vol IV, No 4,  
1958, pp 469-475.

Pergamon Press

Sci

Jan 60

105,802

(NY-4571.)

The Permeability of the Hemato-Encephalic  
Barrier and the Sorption Characteristics of  
Brain Tissue in Experimental Thyrotoxicosis,  
by N. P. Shaposhnikova, 6 pp.

RUSSIAN, per, Problemy Endokrin i Gormonoterapii,  
Vol VI, No 3, 1960, pp 91-94.

JPRS 5501

134,268

Sci - Med

The Factors Determining the Formation of the  
Recruitment Signal in the Honey Bee, *Apis  
Mellifera Carnica*, by N. G. Shaposhnikova, 9 pp.

RUSSIAN, per, Entomolog Oboz, Vol XXVII, No 3,  
1958, pp 546-556.

AIBS

Sci -  
Jan 61

137,045

The Comparative Significance of Two Ways of  
Food-Scent Transfer into the Hive (on the Body  
and in the Crop) in the Recruiting Activity of  
Honeybees, by N. G. Shaposhnikova, 6 pp.

RUSSIAN, per, Entomolog Oboz, Vol XXXVIII, No 3,  
1959, pp 523-528.

IBS

Sci

Jan 61

136,234

The Influence of Parenteral Administration of  
Protein on the Development of Mammary Gland  
Tumours in Mice, by A. N. Mochalovskiy,  
A. F. Shaposhnikova, 3 pp.

RUSSIAN, per, Voprosy Onkolog, Vol VII, No 3,  
1961.

Royer & Roger

18<sup>3</sup> 873

Sci  
Mar 62

Mechanism of the Pasteur Effect, by V. S. Shapot,  
7 pp.

RUMSSTAN, per, Biokhimiya, Vol X, No 1, 1945,  
pp 45-53. 9210423

DRB Canada  
T 389 R

Sci - Biol/Med Sci

Sep 63

344141



Shapot, V. S.  
BIOCHEMISTRY OF CANCER [1963] [25p] (1 fig.  
omitted) FASEB Manuscript no. S-221-3.  
Order from OTS, SLA, or ETC \$2.60 TT-63-24482  
fig. 1 available on loan from OTS

Trans. of Priroda (USSR) 1962, v. 51, no. 12, p. 19-25.

DESCRIPTORS: \*Cancer, \*Biochemistry, Neoplasms,  
Growth, Medical research, Cells (Biology), Genetics,  
Mutations, Desoxyribonucleic acids.

(Biological Sciences--Pathology, TT, v. 11, no. 5)

TT-63-24482

- I. Shapot, V. S.
- II. FASEB-S-221-3
- III. Federation of American  
Societies for Experimental  
Biology, Washington, D. C.
- IV. Scripta Technica, Inc.,  
Washington, D. C.

Office of Technical Services

Biochemistry at the 8th International Cancer Congress  
By V. S. Shapot pp. 6

RUSSIAN, per, Biokhimiya, Vol XXVII, No 6,  
Sep-Oct 1962,

CB

Sci

344,581

Aug 63

APPROVED FOR RELEASE: 2005/08/09 CIA-RDP91-00929R000201010064-0

TT-65-63805            Field 6A

Shapot, W. S.  
SOME PROPERTIES OF METHEMOGLOBIN. Tr. by  
R. Roberts. 7 Oct 46, 4p, 4refs.  
Available on loan from CFSTI as TT-65-63805

Trans. of Biokhimiya (USSR) v10 n2 p137-4 1945.

I. National Institutes of  
Health, Bethesda, Md.

APPROVED FOR RELEASE: 2005/08/09 CIA-RDP91-00929R000201010064-0

APPROVED FOR RELEASE: 2005/08/09 CIA-RDP91-00929R000201010064-0

Vilyui Encephalomyelitis, by A. N. Shapoval, 7 pp.

RUSSIAN, bk; Voprosy Psikhatrii i Nevropatologii,  
No 3, 1958.

OTS 60-21173  
PL-480

Sci - Med

Apr 62

PST 210

APPROVED FOR RELEASE: 2005/08/09 CIA-RDP91-00929R000201010064-0

(NY-1374/42)

Early Clinical Manifestations of Tick-  
Borne Encephalitis, by A. N. Shapoval

RUSSIAN, mo per, Voyenno Med Zhur,  
No 5, Moscow, May 1961, pp 42-45

See  
Sep 61

170.414

US TRS. 10052

Internal Friction in Uranium, by V. E. Ivanov,  
B. I. Shapoval, 7 pp.

RUSSIAN, Paper Presented at the Symposium on  
Radiation Damages in Solids and Reactor Materials,  
Venice, 7-11 May 1962, IAEA SM-25/84. 9200067

AEC-tr-5372

Sci - m/n

Dec 62

219.334

Variation of Internal Friction and Coefficients  
of Elasticity in Pure Iron with Temperature, by  
V. M. Amonenko, B. I. Shapoval, V. V. Lebedev,  
5 pp.

RUSSIAN, per, Fiz Met i Metallov, Vol VIII,  
No 2, 1959, pp 249-254.

PP

Sci

134,924

Dec 60

Study of the Effect of Boron on the Properties  
of Nickel, Using the Internal Friction  
Method, by B.I. Shapoval.  
RUSSIAN, per Fizika Metall, Vol. 18, No. 5,  
1964, pp 796-798.  
NLL/5828.4 1965 (5681)

*B.I. SHAPOVAL*

Sci -  
Aug 67

337-624



(DC-6945)

SCIENCE AND TECHNOLOGY IN DNEPROPETROVSK OBLAST,  
BY I. M. SHAPOVAL, YE. P. SHEVCHENKO, 153 PP.

RUSSIAN, BK, NAUKA I TEKHNIKA NA DNEPROPETROVSHCHINE,  
1959, PP 1-16; 90-161.

JPRS 14743

USSR  
ECON  
AUG 62

205,970

Continuous Improvement of the Quality of Hot  
Rolled TinPlate, by G. I. Bel'chenko UNCL  
I. M. Shapoval.

RUSSIAN, per, Stal, 1955, pp 374-375.

British Iron and Steel Ind  
(no number given)

Sci - Min/Mat  
Sep 59

98,165

**The Synthesis of Certain Amino- and Nitro Derivatives  
of Biphenyl, Containing 2,2'-Dimethoxy and 3,3'-  
Dimethyl Groups, by L. N. Litvinenko, A. P. Grekov,  
L. D. Shapoval, 6 pp.**

**RUSSIAN, per, Zhur Obshch Khim, Vol XXVII, No 11,  
1957, pp 3115-3121.**

**Consultants Bureau**

**Sci - Chem**

**Jan 59**

78,819

Automatic Discharging of the Gas From Coke  
Oven Gas Collecting Mains, by B. Ya.  
Litvichis, T. E. Dudko, M. I. Shapoval,  
3 pp.

RUSSIAN, Izv, Koks i Khim, No 7, 1961.

CTRA

Sci

Jun 62

181, 020

Automation of the Heating of Coke Ovens, by  
B. Ya. Livshits, M. I. Shapoval, N. P. Ivanov,  
3 pp.

RUSSIAN, per, Koks i Khim, No 3, 1961, pp ~~26~~

CIRA

26-27.

Sci

169,396

Sep 61

52  
Physical Properties of the Serpentinites of the  
Middle Dnieper's Region, by V. I. Shapoval.  
RUSSIAN, per. Geologicheskaya Geofiz. Issled. Territor.  
Ukrain., No 4, 1963, pp 29-32.  
NLL RTS 3222

Sci-Earth Sci  
Nov 67

V. I. Shapoval

305.277

Oscillographic Circuit with Amalgamated Silver  
Electrode, by E. M. Skobets, V. I. Shapoval, ~~15-3~~

4 P P.

RUSSIAN, per, Zavod Lab, Vol XXVI, No 3, 1960,  
pp ~~278-293~~ 278-281.

ISA

Sci-  
Feb 61

140,852

APPROVED FOR RELEASE: 2005/08/09 CIA-RDP91-00929R000201010064-0

Hydrogen Overvoltage at a Porous Iron-Nickel  
Cathode, by I. B. Barmashenko, V. I. Shapoval,  
6 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XXXII, No 4,  
1959, pp 827-832.

Consultants Bureau

Sci

Jun 60

117,895

APPROVED FOR RELEASE: 2005/08/09 CIA-RDP91-00929R000201010064-0



(SF-204.)

On the Relation Between Study and Life, Work, and  
the Practice of Communist Construction, by  
S. Shapovalenko, 10 pp.

RUSSIAN, per, Narodnoye Obrazovaniye, No 7, 1961,  
pp 36-42.

JPRS 11571

USSR

Soc

Jan 62

178, 423

Programmed Teaching of Chemistry, by E. G. Shapovalova, 14 pp.

RUSSIAN, per, Kilm v Zhizni, Vol XVII, No 2, 1942, pp 12-27.

3713 2172

Sci-Misc  
Jan 64

241, 091

**Combining Education With Productive Work, by  
S. G. Shapovalenko, P. R. Atutov, bp.**

**RUSSIAN, per, Sovetskaya Pedagogika, No 11, 1959,  
pp 11-21.**

**Internl Arts and Sci Press  
Soviet Education  
Vol II, No 4**

**USSR - Soc  
Apr 60**

*111,609*

Unit for Obtaining Ultra-Fine Cast Wire in  
Glass Insulation From Liquid Metal, by  
Rybalka & Shapovalov, 3 pp.

RUSSIAN, per, Byul Tekh-Ekon Informatsii,  
No 6, Sep 1959, pp 19, 20.

ACSI H-9968  
ID 2174790

Sci - Engr

*170,478*

11 Oct 61

2

Truck Production at Minsk Automobile Plant, by  
A. Aniskovich, -A. Shapovalov, et al, 6 pp.  
RUSSIAN, per, Za Rukom, No 1, 1964, pp 8, 9.  
JPRS 24001

USSR  
Econ  
Apr 64

253, 433

Intracellular Measurement of the Resting  
Potential and the Polarization of Muscle  
Fiber by the Potentiometric Method, by  
A. I. Shapovalov, 3 pp.

RUSSIAN, per, Biofiz, Vol VI, No 2, 1961.

Elsevier Pub. Co.

Sci

May 62

195,757

Some Problems of Blast-Furnace Smelting, Using  
Natural Gas, by M. A. Shepovalov, 3 pp.

RUSSIAN, per, Metallurg, No 8, 1960, pp 4-6.

AM

Sci  
Aug 61

167,036

Application of the Oxygen-Enriched Blast in Blast  
Furnaces, by I. P. Bardin, M. A. Shapovalov, 28 pp.

RUSSIAN, bk, Metallurgiya SSSR, (1917-1954), Vol I,  
Part I, 1958, pp 125-146.

OTS 60-51188  
PL-480

USSR  
Econ  
Sep 61  
PST No 119

166,930



Urgent Problems in the Construction of  
~~RUSSIAN~~ Petroleum and Gas Wells, by A. G.  
Shapovalov.

<sup>P</sup>  
RUSSIAN, per, Neft Khoz, Vol XXXIII, No 9,  
1955, pp 14-19.

Tech and Comm Trans  
\$62.50

USSR  
Econ - Construction

10077

The Effect of Stimulants on the Electrical  
Activity of Solitary Neurons ~~in~~ of the Spinal  
Cord, by A. I. Shapovalov, 7 pp.

RUSSIAN , per, Byul Eksper Biol i Medit,  
Vol LIV, No 10, 1962, pp 70-75.

CB

Sci

245, 812

Esc 63

The Interaction of Spontaneous and Evoked Activity  
in a Single Muscle Fiber, by A. I. Shapovalov,  
10 pp.

RUSSIAN, per, Fiz Zhur SSSR imeni I. M. Sechenova,  
Vol XLVII, No 9, 1961.

Elsevier Pub Co

Sci

Oct 62

216,568

Responses of Spinal Neurones to Rhythmical  
Stimulation as Recorded With Intracellular  
Electrodes, by A. I. Shapovalov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XLII, No 5,  
1962, pp 1267-1270.

AIBS

211.571

Sci - Biol Sci

Sep 62

The Effect of Polarization on the Electrical  
Response of a Muscle Fiber, by  
A. I. Shapovalov, 5 pp.

RUSSIAN, per, Byul Eksper Biol i Med,  
Vol LI, No 6, 1961, pp 3-7.

CB

Sci

195,071

May 62

Possibilities of an a.c. Amplifiers for  
Investigating Rapidly Changing Extra- and  
Interacellular Biopotentials, by A. I.  
Lapitskiy, M. I. Tishchenko, A. I. Shapovalov,  
8 pp.

RUSSIAN, per, Biofiz, Vol VI, No 1, 1961.

PP

Sci

182,740

Jan 62

Myoelectric Activity of the Muscle Fibre resulting from  
Polarization or Intracellular injection of Ions: by  
A.L. Shepovarov, 10 pp.

RUSSIAN, per, Fiziol Zhur SSSR imeni I.M. Sechenova,  
Vol XLVII, No 1, 1961.

PP

194, 182

Sci  
Apr 62

Characteristics of the Responses of Various Spinal  
Neurons to Direct Stimulation, by P. G. Kostyuk,  
A. I. Shapovalov, 3 pp.

RUSSIAN, per, Byul Eksper Biol i Med, Vol L,  
No 9, 1960, pp 8-10.

CB

Sci

Jun 61

156,835



Facilitation and Depression of Neuro-muscular  
Transmission in the Course of Rhythmical  
Stimulation With Intracellular Recording, by A.  
I. Shapovalov, 10 pp.

RUSSIAN, per, Fiziol Zhur SSSR imeni I. M.  
Sechenova, Vol XLVI, No 9, 1960, pp 1117-  
1119.

PP

144,430

Sci

Apr 61

(IR-6742)

Multiple Discharges of the Striated Muscle  
Fiber, by A. I. Shapovalov, 19 pp.

RUSSIAN, per, Tsitologiya, Vol II,  
No 6, Nov/Dec 1960, pp 651-665.

JPRS 11485

179,946

Sci  
Jan 62

Relation Between Electrical Polarization and  
Rhythmical Activity of Striated Muscle Fibre,  
by P. G. Kostyuk, A. I. Shapovalov, 10 pp.


RUSSIAN, per, Biofiz, Vol V, No 5, 1960,  
pp 586-594.

PP

Sci

Jun 61

156,356

  
An Intracellular Microelectrode Study of the  
Mechanism of Origin of Rhythmic Muscle Fiber  
Activity, by A. I. Shapovalov, 4 pp.

RUSSIAN, per, Byul Eksper i Med, Vol XLIX,  
No 6, 1960, pp 3-7.

CB

Sci

Feb 61

138,569

Transmission of Excitation in the Spinal Cord  
in Curarized Animals, by A. I. Shapovalov,  
6 pp.

RUSSIAN, per, Fiziol Zhur SSSR imeni I. M.  
Sechenova, Vol XLV, No 8, 1959, pp 952-958.

Pergamon Press

Sci

Apr 60

114,984

The Ganglionic Blocking Action of Sodium Amytal  
Mipracine, and Chlorpromazine in Hypothermia,  
by A. I. Shapovalov, 4 pp.

RUSSIAN, per, Farmakol i Toksikol, Vol XXI, No 4,  
1958, pp 28-30.

Consultants Bureau

Sci - Med  
Jun 59

88,944

Intracellular Recording of Muscle Fibre  
Potentials, by P. G. Kostyuk, ~~A.~~ A. Sorokina,  
A. E. Chernovalov. 11 pp.

SOVIET J. Gen. Biophys., Vol IV, No 3, 1959,  
pp. 228-238.

Pergamon Press

1959

Apr 60

113, 712

Double-Barrelled Microelectrodes for Intra-  
cellular Measurement of  $\Delta$  Biopotentials, by  
A. I. Shapovalov, 3 pp.

RUSSIAN, per, Biofizika, Vol V, No 1, 1960,  
pp 79-80.

PP

Sci  
Aug 60

124,529



Post-Activation Facilitation in the Superior  
Cervical Sympathetic Ganglion of the Cat, by  
A. I. Shapovalov, 10 pp

RUSSIAN, per Fiziol Zhur SSSR, imeni I. M.  
Sechenova, Vol XLVI, No 2, 1960, pp 185-193

PP

Sci

Oct 60

130,171

Effect of Temperature on the Rest and Slow Potentials  
of the Rhythmically Active Muscle Fibers, with  
Intracellular Recording, by A. I. Shapovalov, 9 pp.

RUSSIAN, ger, Meditsina, Vol V, No 3, 1960, pp 270-277.

PP

Sci -  
Apr 63

119, 976

The Effect of Body Temperature on Transmission of  
Excitation in the Superior Cervical Ganglion and the  
Action of Ganglion-Blocking Preparations, by A. I.  
Shapovalov, 4 pp.

RUSSIAN, per, Byul Eksper Biol i Med, Vol XLIV,  
No 8, 1957, pp 71-74.

Consultants Bureau

Sci - Medicine  
Jul 58

66,543

Organization of Self-Service in Specialized Secondary  
Schools, by A. P. Shapovalov, 2 pp.

Srednee Spetsial'noy  
RUSSIAN, per, ~~Shapovalov~~ Obrazovanie, No 1,  
1960.

Interntl Arts & Sci Press  
Sov Education  
Vol II, No 7

USSR

Soc

Aug 60

(DC-2800/34)

Automation in Armored Troops Training, by  
D. Shapovalov, 4 pp.

RUSSIAN, np, Krasnaya Zvezda, 27 Jul 1960, p 2.

JPRS 6403

USSR

RUSSIA Mil

Dec 60

135,728

Developmental Electrochemical Measurement Methods  
for Temperatures Up to 300° C and Pressures Up to  
100kg/cm<sup>2</sup>, by V. V. Gerasimov, A. I. Gromova, E. T.  
Shapovalov, 21 pp.

RUSSIAN, bk, Razrabotka Metodiki Elektrokhimicheskikh  
Izmerenii pri Temperature do 300° C i Davlenii do  
100kg/cm<sup>2</sup>, 1961.

AEC Tr-4667

Sci - Chem  
Feb 62

182,498

The Effect of Oxygen on the Electrochemical and  
Corrosion Behavior of "DX189T" Steel in Water at  
Critical Temperature and Pressure, by V. V.  
Gerasimov, A. I. Gromova, E. T. Shapovalov.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXX, No 5,  
1960, pp 1089, 1090.

Navv/NRL 842

Sci - Chemistry  
May 61

150,571

The Effect of Polyvalent Metal Salts on the  
Flotation of Non-Sulphide Minerals Using  
Sodium Alkyl-Sulphate, by S. I. Pol'kin, G. M.  
Shapovalov.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Tsvetnaya  
Metal, No 1, 1960, pp 29-34.

DSIR LLJ RTS 1615

Sci - Chem

Oct 60

130,725



We Must Fully Relieve Schoolchildren of Excessive  
Homework, by I. Shapovalov, 3 pp.

RUSSIAN, per, Narodnoye Obrazovanie, No 1, 1960,  
pp 49-.

Internatl Arts & Sci Press  
Soviet Education  
Vol II, No 8

USSR  
Soc  
Sep 60

126,136

(NY-3000)

Automation and Mechanization of the Process of  
Making Track Links, by S. N. Aver'yanov, I. F.  
Shapovalov, 15 pp.

RUSSIAN, per, Traktory i Selkhoz, No 5, 1961,  
pp 39-43.

JPRS 10006

USSR

167,991

Econ

Sep 61

APPROVED FOR RELEASE: 2005/08/09 CIA-RDP91-00929R000201010064-0

**Characteristics of Curves of the Intensity of X-Ray Scattering  
and Curves of the Atomic Distribution of Liquid Metals,  
by I. V. Radchenko, I. M. Shapovalov, 15 pp.  
UKRAINIAN, per, Ukrayin Fiz Zhur, Vol IV, No 1,  
1959, pp 5-16.**

**JPRS 23510**

**Sci-Mat & Met  
Mar 64**

**251,528**

APPROVED FOR RELEASE: 2005/08/09 CIA-RDP91-00929R000201010064-0

On Variational Principles of Thermoelasticity, by  
L. I. Belabukh, L. A. Shapovalov, 8 pp.

RUSSIAN, per, Prik Matemat i Mekh, Vol XXIV, No 4,  
1960, pp 703-707.

PP

Sci

158, 174

Jun 61

The Influence of NON-Uniform Heating on the  
Stability of a Compressed Bar, by L. A. Shapovalov,  
7 pp.

RUSSIAN, per, Prikl Matemat i Mekh, Vol XXII, No 1,  
1958, pp 119-122.

Pergamon Inst

Sci - Mathematics, Physics  
Nov 58

76,143

Blast Furnace Operation on Natural Gas, by M.  
Shepvalov.

RUSSIAN, per, Metallurg, No 8, 1960, pp 4-6.

HB 5124

Sci - Engr

Jun 61

156,832

Shapovalov, M. A.  
SOME PROBLEMS OF BLAST FURNACE SMELTING  
WITH THE USE OF NATURAL GAS. Mar 61.  
Order from MT 43 3s MT Trans-143

Trans. of #Metallurg (USSR) 1960, v. 5, no. 8, p. 4-6.  
Another trans. is available from HB \$2.90 as HB-5124,  
Apr/May 61, 1800 words.

DESCRIPTORS: \*Blast furnaces, \*Natural gas, \*Smelt-  
ing, Operation, Gases.

(Metallurgy, TT, v. 6, no. 9)

61-25321

- I. Shapovalov, M. A.
- II. MT Trans-143
- III. Tollemache, M. de O.  
(Gt. Brit.)

Office of Technical Services

Performance of Cupola Furnance With Oxygen Blast,  
by M. A. Skapovalov, 34 pp.

RUSSIAN, no per, Kislород, No 1, 1944, pp 17-31.

Sci Trans Center RT 3062

Scientific - Engineering

SLA 61-23300  
32,491

Mar 56



APPROVED FOR RELEASE: 2005/08/09 CIA-RDP91-00929R000201010064-0

ШАПОВАЛОВ, М. А.

Kislod, vol. 2, no. 1, 2 figures, 3 tables, 3900  
words; 1945

Production of Steel by Blowing Oxygen Through  
Molten Iron.

Brutcher Trans, Order No. 1900, \$5.85

*A 10810*

APPROVED FOR RELEASE: 2005/08/09 CIA-RDP91-00929R000201010064-0