

The Effect of Temperature on Diffusion Length and on  
the Cross Section of Scattered Thermal Neutrons in  
Graphite, by I. F. Zhezheran, Ye. N. Korolev,

RUSSIAN, rpt. Vliyanie Temperaturi na Diffuzionnyy  
Dliny i Sicheniye Rasseyaniya Teplykh Neytronov  
Grafito, 1960, pp 1-12.

\*ASC

Sci  
Aug 61  
List 50

Operation of an Airfield Under Winter Conditions, by  
D. Zhezloy, 6 pp, (AF 5 658511). UNCLASSIFIED

RUSSIAN, no per, Grazhdanskaya Aviatsiya, Moscow, No 1,  
1955, pp 35, 36.

ATIC F-TS-9080/III

USSR  
Econ  
Sci - Aeronautics  
Mar 58

60,591

To Keep the Take-Off Landing Strips (Runways) in  
Good Order, by D. Zhezlov, 4 pp.

Full tr

RUSSIAN, no per, Grezhdanskaya Aviatsiya, No 2, Feb  
1957, p 26.

ATIC F-TS-9265/III

Sci - Aeronautics

53, 502

Oct 57

A Study of the Equilibrium Equations of Thin Elastic  
Shells of Positive Gaussian Curvature, by V. S.  
Zhigony, 16 pp.

RUSSIAN. per, Prik Mat i Mekh, Vol XXIII, No 1,  
1959, pp 134-145.

PP

Sci - Math  
Oct 59

99,105

NY-1649

Treatment of Acute Radiation Sickness in Dogs By  
Drip Blood Transfusions, by A. N. Gamaleya, A. A.  
Gyurdzhiyan, A. A. Zhgva, and P. V. Simonov, 8 pp.

RUSSIAN, per, Med Radiolog, No 6, Moscow, Nov-Dec  
1957, pp 56-60.

US JFRS/NY-1439

Sci - Medicine

Dec 58

77,685

The Use of Water Glass With Alum <sup>ino</sup> Laminating  
Container Board, by M. M. Dymshchits,  
T. S. Zhibareva, 3 pp.

RUSSIAN, per, Bumash Prom, Vol XXXIV, No 8,  
1959, pp 16-17.

SLA 60-14291

Sci  
Feb 62  
Vol III, No 11

182,821

(NY-7125)

The Use of Gas-Fueled Soldering Torches in  
Repairing Communications Cables, by S. G.  
Zhibotkhov, K. I. Yampol'skiy, 5 pp.

RUSSIAN, per, Vest Svyazi, No 5, 1962.

JPRS 14536

Sci

Jul 62

204,499

Mechanical and Electrical Engineering in General  
Educational Secondary Schools, by M. A. Zhidelev ,  
6 p.

RUSSIAN, per. Sovet Pedagog, No 2, 1959. pp 24-34.

Internat'l Arts And Sci Press  
Vol I, No 6

USSR

Soc

Jun 59

90, 361



N-16/64

Optimum Antenna Arrays for Determination of  
Target Position Data, by Yu. M. Zhidko, 8 pp.

RUSSIAN, per, Radiotekhnika i Elektronika, No 7,  
1964, pp 1304-1308.

JPRS/SF-3318/SPECIAL

Sci - Engr  
Sep 64

Process of Propylene, Butene and Styrene of Reduced  
Degree of Polymerization, 11 pp., by K. Ziegler.

**FRENCH**

**BEIGIAN**, Patent No 551,905, 18 Oct 1956, Montecantini  
Soc Gen per L'Industria Mineraria e Chimia,

Res Infor Service

Sci

Aug 59

95,357

Production Training in Secondary Schools, by  
M. Zhidelyev, A. Shibanov, 6 pp.

RUSSIAN, per, Shkola i Proizvodstvo, No 8, 1960.

Internatl Arts & Sci Press  
Soviet Education  
Vol III, No 6

USSR

155,331

Soc

Jun 61

Urgent Problems in Production Training at Secondary  
Schools, by M. A. Zhidelev, 3 p..

RUSSIAN, per, Sovet Pedagogika, No 10, 1960.

Internl Arts & Sci Press  
Soviet Education  
Vol IV, No 1

USSR

*179,407*

Soc

Jan 62

Production Training in the Secondary General  
Educational Polytechnic School, by M. A. Zhidelev,  
6 pp.

RUSSIAN, per, Sovet Pedagog, No 1, 1959, pp 38<sup>2</sup>/<sub>1</sub>-48.

Internatl Arts and Sci Press  
Vol I, No 5

USSR

Soc

Jun 59

89,613

A Scheme of Speeded-Up Delivery of Hot Metal to the  
Pit Furnaces of the Blooming Mill, by V. . Kaprov  
and D. P. Zhidetskiy, 3 pp.

RUSSIAN, per, Metallurg, No 7, 1957, pp 24, 25.

Consultants Bureau

Sci - ~~the~~ *Min/met*

Sep 58

*72,628*

(DC-6350)

Forecastation of the Course of the Levels of  
the Volga River Below the Stalingrad Hydro-  
electric Power Station by the Electromagnetic  
Action, by I. G. Ievin, A. P. Zhidikov, 15 pp.

t  
Mekhan. per, MeM i Gid, No 6, 1961, pp 38-41.

JPRS 11504

Sci - Geophysics  
1000

178, 689

The Urgent Task of the Supply Services, by  
Ye. Zhidilov. UNCLASSIFIED

RUSSIAN, par, Sovetskiy Flot, 26 Jun 1958,  
p 2.

Navy Tr 1806/ONI 299

USER  
Econ

Aug 58

67,760



The Absolute Age of the Alkaline and Nepheline  
Syenite Rocks of the Northern Baikal Upland,  
by A. Ya. Zhickov, S. L. Mirkina, 3 pp.  
RUSSIAN, per, Dok Ak Nauk SSSR, Earth Science  
Sections, Vol CXI.IX, No 1-6, Mar, Apr 1963.

Amer Geol Inst

Sci  
Jul 65

A Unique Deposit of Ultrapotassic Pseudoleucite  
Syenite ~~Syenite~~ Syenite, by A. Ya. Zhidkov, 4 pp.  
RUSSIAN, per, Dok Ak Nauk SSSR, Earth Science  
~~Sci~~ Sections, Vol CLII, Sep, Oct 1963, pp

Amer Geol Inst

Sci

Jul 65

The Age of the Last Geosynclinal Folding in the  
Baikal Highlands, by L. I. Salop, V. K. Golovenok,  
A. Ya. Zhidkov, E. A. Shalek, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVIII, No 4,  
1958, pp 800-802.

Consultants Bureau

Sci - Geophys

Jan 59

79, 353

Modeling of the Process of Conversion of Carbon  
Monoxide with Water Vapor, by V. I. Atroshchenko,  
B. A. Zhidkov. ~~5~~ 5 pp.

RUSSIAN, Per, Kinetika i Kataliz, Vol III, No 4,  
1962, pp 605-609

CS

Sci

May 63

247 777

(NY-6720)

CHANGES IN THE ACTIVITY OF CHOLINESTERASE OF BLOOD  
SERUM UNDER THE EFFECT OF INTERNAL IRRADIATION WITH  
LOW DOSES OF RADIOACTIVE SODIUM BY L. V. ZHIDKOVA,  
13 PP.

RUSSIAN, PER, RADIOBIOLOGIYA, VOL 1, NO 3, 1961,  
PPX3580355X 346-349.

JPRS 12387

SCI  
MAR 62

183,280

Skillfully Train the Young Pilots, by G. Zhidov,  
5 pp.

RUSSIAN, 6 pp, Krasnaya Zvezda, No 125, 1 Jun 1956,  
p 2, Encl to IR-1052-56, AFOIN-1A1.

AF 1022830

USSR  
Military - Training, Aviation  
Oct 1956 CIB/dec

39,406

Bottom Tray Sampler, an Apparatus for Studying the  
Benthic Organisms Carried Down by the River Current,  
by S. M. Lyakhov, L. F. ~~and~~ Zhidkov, 9 pp.

RUSSIAN, bino per, Zoologicheskii Zhurnal, Vol XXXII,  
No 5, 1953, pp 1020-1024.

Sci Mus Lib No 56/3261

Sci - Biology

44,034

<p>Zhidkov, K. <b>FROM TEAMS TO COMPLEX MECHANIZATION BRIGADES (Ot Zven'ev-k Brigadam Kompleksnoi Mekhanizatsii). 1961, 4p. PL-480 Agr. Order from OTS \$0.50</b>                      60-51063</p> <p>Trans. of Tekhnika v Sel'skom Khozyaistve (USSR) 1960 [v. 20] no. 1, p. 15-17.</p> <p>DESCRIPTORS: *Plants, Vegetables, Growth, *Agri- culture, Automation, *Agricultural machines, Ma- chines, USSR</p> <p>Mechanization and automation in plant growing are described.</p> <p>(Agriculture--Plant Cultivation, TT, v. 7, no. 4)</p>	<p>60-51063</p> <p>I. Zhidkov, K. II. PL-480 Agr (60-51063) III. National Science Foundation, Washington, D. C.</p> <p>191000</p> <p>Office of Technical Services</p>
--	---



Deep Seated Thermal Acceptors in Germanium, V. A.  
Zhidkov, ~~pp~~ 9 pp.

RUSSIAN, per, Fiz Tverdogo Tela, Vol III, No 2  
1961, pp 464-475

AIP  
SOV Phys-Solid State  
Vol III, No 2

Sci  
Aug 61

166,045

Steady State Concentration of Thermal Acceptors in  
Germanium for Different Conditions of Thermal  
Treatment, V. A. Zhidkov, ~~pp~~ 4 pp.

RUSSIAN, per, Fiz Tverdogo Tela, Vol III, No 2  
1961, pp 459-463

AIP  
SOV Phys-Solid State  
Vol III, No 2

Sci  
Aug 61

166,043

A New Form of Thermal Acceptors in Germanium, by V. A. Zhidkov, V. E. Lashkarev, 5 pp.

RUSSIAN, no per, Iz Ak Nauk SSSR, Ser Fiz, Vol XX, No 12b, 1956, pp 1521-1525.

Columbia Tech

Sci - Physics  
Mar 58

59,690

Antenna Arrays With Distances Between Radiators  
Increasing With Arithmetic Progression, by  
Yu. M. Zhidkov, 15 pp.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved NV1680  
SSSR po Razdelu Radiofiz, Vol V, No 6, 1962,  
pp 1144-1150.

JPRS 19316

Sci - Elec

Jun 63

231,741

Reflection Spectra of Coloured Scattering  
Objects, by I. Zhidkova, Z. V.

RUSSIAN, per, Zhur ~~Expar~~ i Teoret Fiz,  
Vol XXVII, 1954, pp 458-466.

CSIRO

Sci - Phys  
Aug 62

207.439

Planning of Public Funds of National Consumption  
in the USSR, by M. Zhidkov, P. Kopyov, 14 pp.

RUSSIAN, per, Plandovye Khozyaystvo, No 7,  
1962, pp 51-57.

JPRS 16233

USSR  
Econ  
Nov 62

317, 700

On the Influence of the Thickness of the Absorbed  
Layer on the Diffuse Reflection Spectrum From  
Absorbates, by Z. V. Zhidkova, 4 pp.

RUSSIAN, per, Optika i Spektro, Vol VII, No 3,  
1959, pp 426-431.

OSA

Sci

149,466

Apr 61

Determination of the True Absorption Spectrum of  
Light-Dispersing Colored Objects From Their Diffuse  
Reflection Spectrum, by O. P. Girin, Z. V. Zhidkova,  
B. I. Stepanov, A. P. Ivanov, A. S. Toporets, 1 p.

RUSSIAN, bino per, Iz Ak Nauk SSSR, Ser Fiz,  
Vol XVIII, No 6, 1954, pp 728. CIA C 40664

Columbia Tech Tr

Scientific - Physics 31,739 Feb 56 CTS/DEK



The Inspection of Fast-Rotating Parts of  
Spinning and Twisting Machines to Prevent  
Vibration, by A. E. Zhidovich. UNCL

RUSSIAN, per, Tekstil Prom, No 1, 1959,  
pp 89-91.

DSIR LLU RTS 1391

(5a. Od.)

Sci - Engr  
Feb 60

107,257

(DC-2800/21)

Discharged Officers, by Ye. Zhidilov, 5 pp.

RUSSIAN, np, Sovetskiy Flot, 29 Apr 1960, p 4.

JRNB 6076

USSR

MI1

129,076

Oct 60

Thiotropic Systems Based on PH-1 Unsaturated Polyester  
Resin and Silica Powder, by G. A. Shtraikhman, I  
I. M. Al'shits, I. A. Zhidobina, R. G. Luchko,  
6 pp.

RUSSIAN, per, Zhur, Prik Khim, Vol XXXIII, No 11,  
1960, pp 2586-2592.

CB

*170,353*

Sci

Sep 61

Investigation of Internal Motions in Polyisobutylene  
by the Method of Electron Paramagnetic Resonance, by  
G. M. Zhidomirov, Yu. D. Tsvetkov, 4 pp.

RUSSIAN, per, Zhur Strukt Khim, Vol II, No 6, 1961  
pp 696-699

CB

Sci

Aug 62

213,381

Calculation of the Spin-lattice Relaxation Time for  
Radicals in Molecular Crystals, by I. V. Aleksandrov  
and G. M. Zhidomirov, 4 pp.

RUSSIAN, per Zhur Eksper i Teoret Fiz, Vol XLI,  
No 1, 1961, pp 127-132.

AIP  
Sov Phys - JETP  
Vol XIV, No 1

Sci

*188,137*

Mar 62

Differences in the Broadening of the Separate Hyperfine  
Components in Electron Paramagnetic Resonance ~~XXXXXX~~  
~~XX~~ Spectra  
of Radicals With Several  $\alpha$ -Protons, by G. M. Zhidomirov,  
Yu. N. Molin, 5 pp.

RUSSIAN, per, Chem. Struktural. Khimii, Vol III, No 6,  
1962, pp 669-675.

CB

*243, 118*

Sci -  
Nov 63

**The Influence of X-Rays Irradiation Upon Immunity  
to the Causative Organisms of Gas-Gangrene and  
Tetanus, by M. R. Kochayevskaya, V. M. Zhidovtsev,  
G. P. Cherkas, et al, 5 pp.**

**RUSSIAN, per, Zhur Mikrobiol Epidemiol i  
Immunobiol, Vol XXXII, No 1, 1961.**

**PP**

**Sci**

**May 62**

**194,782**

(NY-6743)

~~Extraneous~~  
The Effect of X-rays on the Agglutination  
Reaction in Animals Vaccinated Against  
Brucellosis, by V. M. Zhidovtsev, 1 pp.

RUSSIAN, per, Medit Radiolog, Vol VI, No 8,  
1961.

JPRS 12393

Sci  
Mar 52

183,625



Process for Preparing Organic Compounds of  
Aluminum and Beryllium, by Karl Ziegler, 26pp  
GERMAN, patent 917,006, granted 15 July 54,  
pub. 31 Dec 53, inforce as of 22 Jun 51,  
SLA TT-64-30821

*Karl Ziegler*

Sci - Chem  
June 67

328,970

Controlled Polymerization of Ethylene and  
its Homologs, by Karl Ziegler, 24pp  
GERMAN, per, Brennstoff-Chemie, Vol 35, 1954,  
pp 321-325  
SLA TT-64-20825

*Karl Ziegler*

Sci - chem  
June67

328,969

The Role of Macrokinetic Factors in Catalytic  
Naphthalene Oxidation Processes on Fused Vanadium  
Pentoxide, by G. P. Korneichuk, Ya. V. Zhigailo, V. A.  
Roiter.

RUSSIAN, per, Zhur Fiz Khim, Vol XXIX, 1955, pp 1073-  
1079.

CIA/FDD EX-1073  
NOT RELEASABLE TO FOREIGN NATIONALS

Sci

170, 444

Oct 61

USIB INTERNAL USE ONLY

Analysis of Pentaborane, by A. F. Zhigach, E. B. Kazakova, R. A. Kigel', 4 pp.

RUSSIAN, per, Zhur Anal Khim, Vol XIV, No 6, 1959, pp 746, 747.

CB

Sci

Sep

127,787

B-Triethylborazole, by A. F. Zhigach, E. B. Kazakova, E  
E. S. Krongauz, 2 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol CXI,  
No 5, Nov/Dec 1956, pp 1029-1030.

Consultants Bureau

Sci - Chem

56,700

Dec 57

Surface Impregnation of Steel With Boron From the  
Gas Phase, by A. F. Zhigach, et al.

RUSSIAN, per, Metal Termicheskiye Opra Metallov,  
No 4, 1959, pp 45-47.

HE 4572

Sci - Chem

Jan 60

105,439

The Reaction of Arsenic with Pentaborane, by A. P. Zhigach, E. B. Karakova and I. S. Antonov, 8 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXVIII, No. 1, 1957, pp 1645-1648.

5

Consultants Bureau

Sci - Chem

Sec 53

72,945

h

The Mechanism of Interaction of Diborane with  
Olefins, by A. F. Zhigach, V. N. Siryatskaya,  
I. S. Antonov, 3 pp.

RUSSIAN, per, Zhur Obshch, Vol XXX, No 1, 1960,  
pp 227-238.

229

GB

Sci

Feb 61

144,126



Zingach, A. F.  
INVESTIGATION OF THE CHEMICAL PROPERTIES  
OF BORON HYDRIDES AND THEIR DERIVATIVES.  
[1962] 11p. 14 refs.  
Order from SLA \$1.60

63-10660

Trans. of mono. Congr[ès] International de Chim[ie]  
Pure et Appliquée (no. 10) Paris, 1957. Section de  
Chim[ie] Minérale. Mem[oirs] 1958, p. 467-473.

DESCRIPTORS: \*Boron compounds, Hydrides,  
\*Organoboranes, Chemical properties, Alcohols,  
Amines, \*Pentaboranes, \*Complex compounds,  
Chemical reactions.

The reactions of pentaborane with methyl, ethyl, and  
butyl alcohols were examined. It was confirmed that  
the different alkoxyboranes and the boric acid esters  
are formed according to the relative proportions of the  
(Chemistry--Organic, TT, v. 10, no. 2) (over)

63-10660

I. Zingach, A. F.

A269622

Office of Technical Services

Study of the Reactions of  $\text{C}_4\text{H}_9\text{OH}$  Alcohols and Ketones  
with  $\text{I}_2$  Pentaborane, by A. P. Zhigach, E. B.  
Kazakova, and R. A. Kigel, 4 pp.

Full tr

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol CVI,  
No 1, 1956, 69.

Consultants Bureau

41,482

Sci - Chemistry  
Dec 56 CTS

0514 1631

Industrial and Exploratory Geophysical Prospecting,  
by R. V. Elizadeh, 240 pp.

RUSSIA, U.S.

CE  
(\$17.00)

Sci - Geophys

Seq 02

Investigation of Carboxymethylcellulose--Stabilized  
Aqueous Alumina Suspensions for Coating by Means  
of Electrophoresis, by K. F. Zhigach and B. D.

Luff, 6 pp.

RUSSIAN, per, Kolloidnyi Zhur, Vol ~~34~~ XXIV, No 5,  
1962, pp. 558-564

CB

Sci

Jun 63

342,592

Zhigach, K. F., Adel, I. B., and Gorodnov, V. D.  
THE EFFECT OF TEMPERATURE ON THE  
SWELLING PROPERTIES OF ARGILLACEOUS  
ROCKS. [1961] 7p.  
Order from ATS \$9.50

ATS-80N55R

Trans. of Izvest[ia] Vysshikh Ucheb[nykh] Zavedeni.  
Nef' i Gaz (USSR) 1961, v. 4, no. 5, p. 23-29.

DESCRIPTORS: \*Rock, Physical properties,  
Temperature.

(Earth Sciences--Geology, TT, v. 7, no. 3)

62-12108

I. Zhigach, K. F.  
II. Adel, I. B.  
III. Gorodnov, V. D.  
IV. ATS-80N55R  
V. Associated Technical  
Services, Inc.,  
East Orange, N. J.

67469

Office of Technical Services

Zhigach, K. F., ed.  
INDUSTRIAL AND EXPLORATORY GEOPHYSICAL  
PROSPECTING. Sep 62, approx. 140p.  
Order from CB \$17.50

Trans. of unidentified Russian mono. issued as the  
Transactions of the Ministry of Higher and Intermediate  
Education in the RSPSR, n.d.

DESCRIPTORS: \*Geophysical prospecting, Natural gas,  
\*Well logging, \*Neurons, Boreholes, \*Rock, Physical  
properties, \*Ores, Manganese, Boron, \*Seismic  
waves, Gravity anomalies, Terrestrial magnetism.

(Earth Sciences--Geology, TT, v. 9, no. 1)

63-12125

I. Zhigach, K. F.  
II. Consultants Bureau  
Enterprises, Inc.,  
New York

Office of Technical Services

The Effect of Washing Liquids (Drilling Muds) on the  
Penetrability of the Core Sample, by K. P. Zhigach.

RUSSIAN, *ner*, *Naft Khoz*, Vol XI, 1957, pp 62-67.

Sci - Engr

Tech and Com

Apr 58

62,513

Preparation and Study of the Physical-Chemical  
Properties of Fractions of Carboxy Methyl Cellulose,  
by K. F. Zhigach, M. E. Finkelstein, I. M. Timochin,  
A. I. Malinina, 5 pp.

RUSSIAN, par, Dok Ak Nauk SSSR, Vol CIXIII, No 2,  
1958, pp 289-291.

CIA/PID XX-809

NOT RELEASABLE TO FOREIGN NATIONALS

Sci - Chemistry

Apr 60

USIB INTERNAL USE ONLY

LC ~ SCA 60-10590

Vol III, no 4

114,137



A Cone-Type Rotary Viscometer, by K. F. Zhigach, D. E. Zlotnik, 9 pp.

RUSSIAN, per, Zavod Lab, Vol XV, No 5, 1949, pp 542-547.

CIA/FDD/X-1266

Scientific - Physics      10,813  
CTS/DEX

Hardness Meters in Drilling, by P. A. Ksh-  
binder, I. A. Schreiner, K. F. Zhigach.

RUSSIAN, bk. Colloids-Electrochemical Institute  
of the Academy of Science, USSR, Moscow, 1944.

Dept of Int  
US Bur of Mines  
Sta Lib  
Rolls, Missouri.  
No T-4.4-10

Sci - Engr

84,632

Apr 59

Development of Special Grades of Carborane-ethylene Oxide  
lose (CMC) to Improve the Quality of Drilling (Clay)  
Muds and Improvement in the Technology of their  
Production, by K. F. Zhigach, M. Z. Pinski'shteyn,  
T. A. Tibilova, 9 pp.

RUSSIAN, per, Izvest Vysshikh Uchebnykh Zavedaniy  
Neft i Gaz, No 6, 1958, pp 31-38.

ATS-4813CR

Sci. Engr  
Sep 59  
Vol 2, No 1

HTC R I-1992

97899

Structural Viscosity of Aqueous Solutions of  
Carboxymethylcellulose, by K. F. Zhigach, M. Z.  
Finkel'shtein, I. M. Timokhin, 6 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXVI, No 6<sup>51</sup>,  
1959, pp 1025-1028.

CF

Sci  
Aug 60

124,223

The Manufacture and Use of Carboxymethyl Cellulose  
Ether in the National Economy, by K. P. Zhigach.  
UNCL

RUSSIAN, per, Khim Nauka i Prom, Vol II, No 1, 1957,  
pp 76-80.

Co-op Tr Scheme 642

L1. 10s. Od. in U.K.  
L2. 0s. Od. elsewhere

Sci - Chem  
Sep 59

SLA:61-15373

95,820

ZHIGADLO, A.  
KANATUROVA, T.

Zavodskaya Laboratoriya, vol 10, 3 figures,  
2 tables, 1400 words; 1941.

Influence of Non-magnetic Coatings on  
Sensitivity of Magnetic Powder Analysis.

Butcher Trans, Order No. 1166, \$ 1.70.

A-4191

Zhigallo, Ya. V., Shpak, L. I., Gaidel, T. P.,  
Duchinskaya, V. I., and Raksha, V. V.  
STUDY OF CHEMICAL AND PHASE TRANSFORMATIONS OF THE ZINC-CHROMIUM CATALYST FOR METHANOL SYNTHESIS. [1963] 11p  
Order from ATS \$14.50      ATS-42Q72R

Trans. of 'Khim[icheskaya] Prom[yshlennost'] (USSR)  
1963, no. 1, p. 29-34.

DESCRIPTORS: Synthesis (Chemistry), \*Methanol,  
Catalysts, \*Chromium, \*Zinc, Transformations,  
Phase studies.

(Chemistry--Organic, TT, v. 11, no. 4)

TT-63-22922

I. Zhigallo, Ya. V.  
II. Shpak, L. I.  
III. Gaidel, T. P.  
IV. Duchinskaya, V. I.  
V. Raksha, V. V.  
VI. ATS-42Q72R  
VII. Associated Technical  
Services, Inc.,  
East Orange, N. J.

Office of Technical Services

(NY-6994)

Organization of the Base Stations [Relay Boxes]  
in the Delivery Districts of the Mail Carriers  
in Rural Areas, by A. T. Zhigakov, 6 pp.

RUSSIAN, per, Vestnik Svyazi, No 2 (263), 1962.

JPRS 13870

Sci

Jun 62

197,507



(NY-6813)

Toward New Imposing Tasks, by V. I. Stepakov,  
N. I. Bobrovnikov, V. F. Zhigalin, ~~kinopax~~  
110 pp.

RUSSIAN, bk, Moskovskiy Rabochiy, 1961,  
pp 2-160.

JPRS 12601

USSR  
Econ  
Feb 62

183,780

A Study of the Sensing Electrochromism, by  
I. H. Bondarov, N. V. Buslov, L. I. Zhigalina,  
5 pp.

RESEARCH, pub, Nylal Kheper Biol i Med, Vol XXIV,  
no 9, 1997, pp 11-117.

Consultants Bureau

Sci - Medicine  
Jul 98

*6/2/98*

The Regulatory Mechanism of the Quantity and Phagocytic  
Activity of Leukocytes, by I. M. Bondarev, L. I.  
Zhigalina, 8 pp.

RUSSIAN, bk, Nervnaya Regulyatsiya Immunogeneza, 1958.

OTS 60-51069  
PL-480

Sci - Med

Apr 61

PST No 124

146,280

The Role of Nonspecific Stimulation of the Nervous  
System in Certain Immunological Reactions, by L. I.  
Zhigalina, 15 pp.

RUSSIAN, bk, Nervnaya Regulyatsiya Immunogeneza, 1958.

OTS 60-51069  
FL-480

Sci - Med

Apr 61

PST No 124

146,281

The Effect of Antigen on the Carotid Sinus Receptors  
With Reflex Production of Antibodies Pharmacodynamically  
Analyzed, by A. N. Gordienko, V. I. Kiseleva,  
E. A. Sankov, I. M. Bondarev, L. I. Zhigalina, 6 pp.

RUSSIAN, per, Byul Eksper Biol i Med, Vol XLIV,  
No 11, 1957, pp 72-75.

Consultants Bureau

Sci - Medicine  
Jul 58

*66, 199*

The Reflex Production of Antibodies Caused by  
the Injection of Antigens Into the Isolated  
Spleen, by A. N. Gordienko, V. I. Kiseleva,  
B. B. Saakov, R. B. Tsynkalovskiy, Ya. I.  
Azhipa, A. V. Letyev, A. I. Egorov, I. M.  
Bomdarev, L. I. Zhigalina, 4 pp.

RUSSIAN, per, Byul Eksper Biol i Med, Vol XLIII,  
No 4, 1957, pp 80-82.

Consultants Bureau

Sci - Med

May 58

64,437

Vibrators for Soil Compaction, by A. T.  
Zhigalov.

RUSSIAN, per, Mekh Stroitel, Vol XI, No 10,  
1954, pp 17-21.

Coop Trans Sch 163  
L2. (58.0d.)

Sci - Engineering

30,897

Zhigalov, L. N.  
SOME PECULIARITIES OF VARIATIONS IN THE  
VERTICAL COMPONENT OF THE MAGNETIC FIELD  
OF THE EARTH IN THE ARCTIC OCEAN. Dec 63,  
7p 4refs N64-11661.  
Order from OTS \$1.75 in NASA-TT-F-105 (p. 36-42)

Trans. from [Zemnoi Magnetizm i Zemnye Toki:  
Sbornik State] (USSR) 1960, no. 4. (Abstract available)  
Another trans. is available from NRC as NRC-C-3856,  
DSIS-T-358-R, Oct 61, 4p.

DESCRIPTORS: \*Arctic Ocean, \*Terrestrial magnetism,  
Magnetism, Measurement, Periodic variations,  
Weather stations, Marine geophysics

The material of geomagnetic observations of the North  
Pole-6 drifting station has been considered together  
with the material of the USSR high latitudinal Arctic  
geomagnetic observatories. It is detected that far from  
(Earth Sciences--Meteorology, TT, v. 11, no. 6) (over)

TT-64-11502 (p. 36-42)

- I. Zhigalov, L. N.
- II. NASA-TT-F-105 (p. 36-42)
- III. N64-11661
- IV. National Aeronautics and  
Space Administration,  
Washington, D. C.

11755

Office of Technical Services



Some Features of the Variation of the Geomagnetic Vertical Component in the Arctic Ocean, by L. N. Zhigalov.

RUSSIAN, bk, Mezhdunarodnyy Geofizicheskiy God, 1960 Otdel. 3 sb. 4.

NLL M. 4712

Sci - Geophys  
Jun 62

201,033

The Distribution of Magnetic Activity in a  
Narrow Sector of Longitudes in the Eastern  
Arctic, by L. N. Zhigalov, N. N. Zhigalova,  
6 pp.

RUSSIAN, per, Geomagnet i Aeron, Vol I, No 1,  
1 61.

AGU

Sci

Jan 63

220,476

(NY-6686)

On the Daily Course of the Polar Auroras  
and Magnetic Activity at the Drifting Sta-  
tions SP-6 and SP-7 During 1957-1958,  
by P. S. Melnikov, L. N. Zulgelov, 5 pp.

RUSSIAN. Dok. Issledovaniya Polyarnykh  
Siyaniy, IGY Program, Part IV, No 4,  
1960, pp. 20-24.

JERS 10929

Sci - Geophys  
LTC: G1

175, 533

Soldier's Mess Hall, by Lt Col N. Zhigalov, 4 pp.

RUSSIAN, per, Sov Zdrav, No 6, 1957, pp 16, 17.

ACS, I, G-9027

USSR  
M11

49,821

Jul 57

Sulfur in Thiolignins, by Yu. V. Zhigalov, D. V.  
Tishchenko, 6 pp.

RUSSIAN, per, Zhur Prikl Khim, Vol XXXV, No 1,  
1962, pp 147-152.

CB

Sci  
Jun 48X 63

233,919

Current Ionization Rate in Atmospheric  
Corrosion of Metals, by I. L. Kuznetsov,  
M. A. Zhigalova, 6 pp.

RUSSIAN, *pub. Dok Ak Nauk SSSR, Ser. Khim.*  
Vol XCIX, No 1, 1954, pp 137-140.

CELESTIAL 10 250

634112

JUN 55

The Distribution of Magnetic Activity in a  
Narrow Sector of Longitudes in the Eastern  
Arctic, by L. N. Zhigalov, N. N. Zhigalova,  
6 pp.

RUSSIAN, per, Geomagnet i Aeron, Vol I, No 1,  
1961.

AGU

Sci

220,476

Jan 63

Dispersed State of a Silver Iodide Aerosol,  
by V. N. Balabanova, T. N. Zhigalovskaya,  
4 pp.

RUSSIAN, por, Iz Ak Nauk SSSR, Ser Geofiz,  
No 3, 1962, pp 443-446.

AGU

Sci  
Sep 62

210,597



Sensibilite Absolue De La Determination Des Terres  
Rares. (Absolute Sensitivity of the Determination  
of the Rare Earths), by T. N. Zhigalovskaya  
(Jigalovskia), 3 pp.

FRENCH from RUSSIAN, per, Iz Akad Nauk SSSR,  
Ser Fiz, Vol XIX, 1955, pp 115.

Reverse Translation  
AEC/CEA-Tr-R590

On the Absolute Sensitivity in Determining Rare-  
Earth Metals, by T. N. Zhigalovskaya, 2 pp.

Full translation.

RUSSIAN, bimo per, Iz Ak Nauk, Ser Fiz, Vol XIX,  
No 1, 1955, ~~pp~~ p 115. CIA C 42053

Columbia Tech Tr

Scientific - Physics  
May 56 CTS/dex

34,692

Noise of Cyclic Magnetic Reversals in Ferrites at  
Low Temperatures, by G.P. Zhigal'ski and V.V. Potanin,  
Sov. Phys.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXXIII, No 10,  
1963, pp 1274-1280.

Amer Inst of Phys  
Sov & Phys - Tekh Phys  
Vol VIII, No 10

Sci

Am St

255,906

CRYSTALLIZATION OF SUPERCOOLED WATER BY SILVER  
IODIDE, BY V. H. BALAVANOVA, T. N.  
ZHIGALOVSKIYA, 5 PP.

RUSSIAN, PER, IZ AK NAUK SSSR, SER GEO, NO 10,  
1962, PP 1453-1455.

JPRS 16711

SCI - GEOPHYS

DEC 62

218,473

Nitrogen Content of Derivatives of Diborane, by  
A. P. Zhigan, et al.

RUSSIAN, no per, Uspekhi Khim, Vol XXV, No 10, 1956,  
pp 1267-1281.

Tech and Comm  
\$140.00

Sci - Chem  
Aug 57

51,032

*Handwritten note:*  
1000 copies - 1000 to 1000  
1000

(NY-4856)

Strengthening Our Friendship With the  
Communications Personnel of Japan, ~~XXXXX~~ by  
V. A. Zhiganov, 17 pp.

RUSSIAN, per, Vestnik Svyazi, No 8, 1959.

JPRS 5999

Sci

Feb 61

139,074

Reducing the Viscosity of Heavy Drilling Mud (Clay  
Solution), by K. P. Zhigan, ~~and co-workers~~

RUSSIAN, per, Neft' Khim., Vol XXXIV, No 3, 1956,  
pp 23-26.

Tech & Comm Tr

35.00

37,203

USSR  
Economic  
Sci - Engineering

Aug 56

Under the Guidance of the Party to the Victory of  
Communism, by P. Zhigarev, 3 pp. UNCL

RUSSIAN, per, Grazhdanskaya & Avantsiya, No 2, 1959,  
pp 1. 9660792

ATIC MCL-108/III

USSR  
FBI  
Apr 59

149,706



USSR - A Great Aviation Power, by P. Zhigarev,  
3 pp. UNCLASSIFIED

RUSSIAN, op, Izvestiya, No 173, 20 Jul 1958;  
p 2.

AF 1187344

USSR  
Mil  
Jan 59

78,928

Aviation of the Soviet People, by P. Zhigarev,  
5 pp.

RUSSIAN, np, Izvestiya, No 154, 30 Jun 1957,  
p3, Encl to IR 1609-57, AFOIN-1A1.

AF 1120636

51,847

USSR  
Mil - Aviation  
Aeronautics  
Aug 57

Manual on Loading and Load Centering of Civil  
Air Fleet Aircraft With Gas Turbine Engines,  
by P. Zhigarev, 63 pp.

RUSSIAN, bk, Rukovodstvo po Zagruzke i  
Tsentrovke Samoletov s Sazhoturbinnymi  
Dvigatelyami, 1958, 61 pp. 9671651

FTD MEL-1107/1

USSR  
Econ  
Sci - Aero, Engr  
27 Nov 61

*174, 726*

The Air Fleet of the Soviet Power, by P. Zhigarev,  
6 pp.

RUSSIAN, np, Pravda, 3 Jul 1955, Encl to Report  
No IR-1109-55, AFOIN-1A1, 5 Oct 1955. ~~EDDOCECCEES~~  
CIA D 332649

AF 698214

USSR

Military - *Aviation*

*31,095*  
Feb 56 CTS/DEX

Civil Aviation in 1958, by P. F. Zbigarov, 14 pp.  
UNCLASSIFIED

RUSSIAN, per, Grazhdanskaya Aviatsiya, No 1, 1958,  
pp 1-4.

ATIC P-79-9/60/III  
CIA 65 4358

USSR - Econ

Apr 60

112,798