

Manual-Work Book on the Fundamentals of  
Electronics and Radar, by G. V. Zimina, 37 pp-  
RUSSIAN, bk, Spravochnik-Zadachnik Po Osnovam  
Elektroradiotekhniki i Radiolokatsiy, 1967,  
pp 470-501.  
NAV/SIC/Trans-2000-70

G. V. Z I M I N A

Sci/Elect  
July 70

102  
ATTACH to IR 1901 0204 68, by G. V. Zimina.  
RUSSIAN, rpt, Voyennoye Izdatelstvo  
Ministerstva Oborony SSSR, 1967,  
pp 470-501.  
\*Dept of Navy NIC

Sci-Misc  
June 69

Work on the History of the Military Art. Published,<sup>10</sup>  
by Ya. Zimin, 10 pp.  
RUSSIAN, per, Voenno-Istoricheskii Zhurnal,  
No 1, Jan 1967, pp. 102-107.  
JPRS 40097

YA. ZIMIN

USSR  
MIL  
Mar 67

319,506

Economic Problems at Ust'-Kamenogorsk (Cobalt)  
and Zinc Combine, by V. Zimin, 5 pp.  
RUSSIAN, np. Trud, 30 Jun 1966, pp. 2.  
JPRS 37536

11

V. ZIMIN

USSR  
Econ  
Sept 66

311,668

7

Alma-Ata Housing Construction (Mismanagement)  
Scored, by V. Zimin and G. Ivanov, 2 pp.  
RUSSIAN, newspaper, Pravda, Moscow,  
5 April 68, p. 2.  
JPRS 43,234

USSR  
Economic  
May 68

356,037

Slow Adoption of New Discoveries Criticized,  
by V. Zimin, V. Tikhonov, 5 pp.  
RUSSIAN, np, Pravda, 23 Jul 1968, p 3.  
JPRS 46,316

11

V. ZIMIN

USSR  
Fol  
Sept 68

365,019

Contribution to a Reconstruction of the Upper  
Mantle by Analysis of the Ophiolite Association,  
by S. S. Zimin.

RUSSIAN, par, Dok Ak Nauk SSSR, Ser Spl.  
Vol 189, No 2, 1969, pp 369-372.

AGI

*S. S. Zimin*

Jan 71

38  
A Study of the Effect of Oxygen in the Oxidation-  
Dehydrogenation of Butenes to Butadiene on a  
Bismuth-Polyboron Catalyst, by H. A. Zimin.  
RUSSIAN, per, Neftokhimiya, Vol 6, No 3,  
1966, pp 374-379.  
ATG-4789

*H. A. Zimin*

Sci  
Dec 68

358,710



75  
Determining Error in a System for Automatic  
Calculation of Technical-Economic Characteristics,  
by G. V. Golovanov, P. B. Zimin and  
V. A. Troitskiy, 7 pp.  
RUSSIAN, per, Mezhdunarodnaya i Avtomatizatsionnaya  
Proizvodstva, No 4, Apr 1966, pp. 43-49.  
JPH 36543

P. B. Zimin

USSR  
Sci-Data/S  
Aug 66

307,110

7  
Mechanisation of Installation Operations in  
Industrial Construction, by P. A. Zimin, 24 pp.  
RUSSIAN, per, Mekhanizatsiya Stroitel'stva, No.  
4, Apr 1967, pp. 2-3.  
JPRS 41413

*PA. ZIMIN*

USSR  
Econ  
July 67

329,073

Practical Aerodynamics and Aircraft, by O. V. Zimin  
221 pp.  
RUSSIAN, bk, Prakticheskaya Aerodinamika i  
Letatel'nyye Apparaty, 1969, pp 1-327.  
AIR/FID-EC-23-638-70

*O. V. Zimin*

July 71

82  
Ways to Exploit Engineering Research Proposed,  
by A. I. Zimin, 7 pp.  
RUSSIAN, rpt. ~~Annals of the Academy of Sciences~~  
~~Proizvodstvo~~, Moscow, Feb 1969, pp 1-3.  
JPRS 47995

Sci-Tech  
June 69

*A. I. Zimin*

351,447

86  
A New Method for Extrapolating the Fracture Toughness  
of an Industrial Alloy, by S. Zimmering.  
FRENCH, per, Rev. Met. Mem. Sci., Vol 62, Dec 1965,  
pp 939-950.  
BISI 5665

Sci/Tat  
Mar 68

351,008

8

Dev Higher Naval Political School Discussed, by  
M. Zimenkov, 13 pp.  
RUSSIAN, per, Komsomol (Komsomol) [unclear], Moscow,  
Oct 1969, pp 58-64.  
JRS 4545

*M. Zimenkov*

USSR  
MIL  
Dec 69

357,006

12

Activities at Military-Political School  
Cited, by H. Zimenkov, 13 pp.  
RUSSIAN, per, Kommunist Vostokhanskikh SSSR,  
No 4, Feb 1969, pp 43-49.  
JPRS 47850

*m. Zimenkov*

USSR  
R11  
May 69

378.534

The International and the National ...  
of the Peoples, by G. Kinnon, 13 pp.  
ROSIAN, per, Example, No 6, Apr 1961,  
pp. 58-60.  
JPRS 30419

USSR  
Pol  
Jan 65

SECRET, AMERIC



*Henryk Zimkowski*

Application of the Mass Maintenance Theory  
to the Technical Maintenance of Aircraft,  
by Henryk Zimkowski, 7 pp.

POLISH, Pr. Zastosowanie Teorii Masowej Obslugi  
Do Technicznej Obslugi Samolotow, pp 25-28.  
Nov 1969.

ACSI-J-9846

ESTC-HT 23 674-71

Aug 71

HENRYK ZIMAKOWSKI

Use of the Mass Operation in the Technical Aircraft  
Operation, by Henryk Zimakowski, 7 pp.

GOVERNMENT USE ONLY

POLISH, per, Aerial and Astronautical Engineering,  
No 11, 1969.

ARM/FSTC/HF-23-674-71

Jan 72

A Time Variable Band Pass With Pulse Control, 90  
by Jiri Zima, Frantisek Hejslik.  
CZECH, per, Slaboprouty Obsor, No 7, 1948,  
\*ACSI I-9954  
ID 2204050766

*Jiri Zima*

Sci-Electronics  
Oct 56

312,163

practical possibilities in the design and  
Realization of Solid-State Multi-Channel Receivers,  
by J. Zima, I. Hejsek, 15 pp.  
GAR.A., per. Nachrichtentechnik, No 9, 1965.  
pp 323-327. 100132268-7  
ITL-RF-67-276

66

J. Zima

Sci-Elec  
Jul 68

359.945

ZIMA, F., BYKLE      RU

TECHNICAL DIAGNOSTICS OF VEHICLES

AVTOMOBIL'NYI TRANSPORT, NO. 6, 1972, 27-29

FSTC-HT-23-0001-75

ZILL H

GE

METHOD OF OPERATION OF AMPLIDYNES IN TANK TECHNOLOGY PART 2

MILITAER TECHNIK 1971 NO 12 VOL 11 PP 546-547

FSTC-HT-23-2561-72

Ablation of Some Heat-Resistant Polymers and  
Their Application as Inhibitors of Ablative  
Degradation, by L. Zilinskayte, et al.  
RUSSIAN, par, Vysokomolekulyarnyye Soedineniya.  
Seriya A., Vol II, No 6, 1969, pp 1214-1220.  
ITD ITF Special 6-70

*L. Zilinskayte*  
iib 70

401,003

99  
Classification of Electromagnetic Wave Spectrum,  
by S. I. Zilitinkovich, 10 pp.  
RUSSIAN, per. Inventiva Priblizhno Uchetnaya  
Zapiski, Fizmatmatizatsiya, Vol 10, No 10,  
1967, pp 13-17.  
JPRS 43074

*S. I. Zilitinkovich*

Sci/Elec & Elec Engr  
Jan 68

348,201

*S. I. Zilitinkovich*



C.E. SOME CHARACTERISTICS OF THE HIGH-TEMPERATURE  
Trans. CREEP OF TWO-PHASE ALLOYS  
5438 K.K. Ziling and A.I. Grankin  
Izvestia VUZ, Fizika, No. 11, pp. 157-160  
(1968)  
(Materials Suppl. No. 24, abstract MS775)

42

"Constructive Criticism" of the New Government,  
by Enrique Zileri Gibson, 10 pp.  
SPANISH rpt. Caracas, 13ra., 17-27 Feb 1969,  
pp 10, 11, 14.  
JRS 47788

LA. cru  
rol  
Apr 69

*Enrique Zileri Gibson*

379.131

A Carbon Arc and Discharge in a Hollow Cathode  
as Light Sources for the Analysis of Micro-  
Contents of Elements, by Kh. K. Silbershteyn,  
O. N. Nikitina.

RUSSIAN, per, Izvestiya AN SSSR, Sibirskoye  
Otdeleniye Seriya Khimicheskikh Nauk, No 4,  
1967, pp 87-90.

FTD-S-500

Apr 69

379,943

An Electronic Integrator for Quantitative  
Evaluation of the Effect of Pharmacological  
Agents on the Motor Function of the Muscles of  
Small Laboratory Animals, by N. Ye. Zil'berman  
and I. P. Lepin, 5 pp.  
RUSSIAN, par. Pharmacologia i Toksikologiya,  
Vol XVIII, No 4, 1965, pp. 495-497.  
JPRS 32822

64

N. Ye. Zil'berman

USSR  
Sci-B/M  
Nov 65

1965, 1965

Investigation on Side Product Formations in  
Hydrogenation of Adiponitrile, by  
A. Ya. Lassaris, E. N. Zilberman.  
RUSSIAN, per, Zhurnal Prikladnoi Khimii,  
Vol 35, No 5, 1966, pp 1097-1101.  
SLA TT-66-10640

*E. N. Zilberman*

Sci-Chem

Jul 66

305,389

49  
Amination of Poly(Vinyl Chloride) with  
N,N-Di-Alkylated Amides, by E. M. ~~El'baum~~.  
RUSSIAN, per. Vysokomolekul. Soedin. Vol 8,  
No 2, 1966, pp 256-260.  
ATS RJ-4919

*E. M. El'baum*  
Sci-Mat  
Feb 69

373.744

110  
Study of Diffusion During the Heating of  
Titanium-Clad (Stainless) Steel, by  
A. G. Zil'berman,  
RUSSIAN, per. Izv VUZ Chem Mat. No 7, 1968,  
pp 108-112.  
\*HB 7560

A. G. Zil'berman  
Sci/Mat  
Nov 68

79

Investigation of Diffusion When Heating Titanium-  
Clad Steel, by A. G. Zil'berman.

RUSSIAN, per. Invest. VUZ - Chern. Met., Vol. 11, No. 7,  
1968, pp 108-112.

HB 7560

A. G. Zil'berman

Sci-Mat  
Feb 69

374,509



Full Mechanization and Automation of  
Painting Work, by V. I. Zil'berg, et al.  
RUSSIAN, bk, Kompleksnaya Mekhanizatsiya  
i Avtomatizatsiya Okrasochnykh Rabot,  
1965, 148 pp.

92

NLL R. 39140

*V.I. Zil'berg*

Sci-MAM  
June 66

301,487

*Yu. Ya. Zil'berg*

*Aluminum alloys in tractor construction. 183 pp.*  
*ALYUMINIYEVYIE SPLAVY V TRAKTOROSTROYENII, 1971,*

*pp 1-151*

*AIR/FTD-BC-23-765-72*

*ACSI-K-2324*

*FSTC-AT 23-765-72 24 pp*

*mir 73*

Self-Supporting System Is the Basic Method of  
Improving The Work of a Communications Enter-  
prise, by L. D. Zil'berberg, 6 pp.  
RUSSIAN, per, Vestnik Svyazi, Vol. XXVII, No. 5,  
1966.  
JPRS 37476

87

L. D. Zil'berberg

Sci - Electron  
Sept 66

307,024

Thermal and Mechanical Processes in the  
Extraction of Minerals: Mining in Permian  
Layers, by Yu. D. Zil'berd, A. F. Zil'berd.  
RUSSIAN, in, Teplota i Mekhanicheskie  
Protsessy pri Razrabotke Kopal'nits  
Yakonskaya Goraya Raboty V Rossii na Muravka  
Fora, 1965, 267 pp.  
ML 8-3257

*A.F. Zil'berd*

Sci-124

89,816

ZILBER, YU ETAL

KU

THE EFFECT OF ANTIOXIDANT ON THE PEROXIDATION  
OF BIMOLECULAR PHOSPHOLIPID MEMBR

'BILKHIMIYA', AKAD. NAUK LATV. SSR, #6(287),  
1971 PP 80-2

FSTC-HI-23-0221-73

47  
Dutch CP Seen as Israeli CP Ally, by Ya'akov  
Zilber, 6 pp.  
HEBREW, newspaper, Kol HaNer, Tel Aviv,  
1 Dec 67, pp. 2 and 3.  
JPRS 43,847

International  
Political  
Dec 67

347,037

Operation "Ore" - From the Memoirs of Acad. L.      37  
A. Zil'ber, 1) pp.  
RUSSIAN, per, Nauka i Zhizn', No. 12, Dec 1966,  
pp. 55-63.  
JPRS 40130

*L. A. Zil'ber*

USBR  
Sci-ESM  
Apr 67

311,04)

37

Virologist Zil'ber Talks on Research Problems,  
by L. A. Zil'ber, 12 pp.  
RUSSIAN, per. Virol, Oct 1969, pp 443-453.  
JRS 49508

*L. A. Zil'ber*

Sci-B and R  
Jan 70

10/77.5442



52

Research Conducted on Evolution of Virus  
Theory of Tumor Origin, by L. A. ZIL'BER, 14 pp.  
RUSSIAN, per. Voprosy Onkologii, Vol. XIII,  
No 2, 1967, pp. 3-14.  
JPRS 40927

L. A. ZIL'BER

USSR  
Sci. Ser.  
May 67

325, 423

Discussion of the Bourguiba Proposals,  
by Jacob Zilber, 26 pp.  
HEBREW, par, Za Ma'ariv, No 5, May 1965,  
pp. 3-11.  
JPRS 31189

41

Jacob Zilber

HE-CA  
Pol  
Aug 65

(1965, 4/11/65)

50  
Use of Ultraviolet Disinfection of the Air  
in Pharmacies, by D. A. Zil'ber, A. I. Olskh-  
novich,  
RUSSIAN, bk, Ul'trafioletovoye Izlucheniye,  
1966, pp 317-321.  
JPRS 41315

Sci-8&H  
Jun 67

ZIL'BER

317,122

24

Biology and Prospects for a Fishery for Blue  
Whiting (*Merluccius reifenbergi* Blom) in the  
Northern Atlantic Ocean, by V. K. Zil'anov.

RUSSIAN, per, Научно-исследовательский институт  
морского рыбного хозяйства и океанографии  
И. Н. Андриева, No 6, 1966, pp 54-97.

Dept of Interior  
Fish and Wildlife Service  
BCF, Bureau of Foreign Fisheries

Sci-B and M *ZILANOV, V.K.*  
Nov 67

545,478

69  
The Biology and Fishery Prospects of the  
Gadid Fish in the Northern Atlantic Ocean, by  
V. K. Zil'mov,  
RUSSIAN, per, Materialy Sessiy Uchenogo Soveta  
PIWRO po Rezultatom Issled v 1966g, No. 6,  
1966g, pp 92-97.  
•Dept of Interior  
Fish and Wildlife Service  
Bureau of Commercial Fisheries

Sci-8&H  
Jul 67

72  
Biology of Atlantic Saury, by V. K. ZILANOV.  
RUSSIAN, per. Dyina Khok, Vol 45, no 5, 1969,  
pp 6-9.

\*Dept of Interior  
Bureau of Commercial Fisheries  
Office of Foreign Fisheries

V. K. ZILANOV

Sci-341  
Aug, 69

1002  
Distribution of *Pentacodon* and the Prospects of  
Fishing for it in the Norwegian Sea, by  
V. K. Zil'anov.  
RUSSIAN, *per. Artnoe Khuzhishche*, Vol. 4, 1965,  
pp 10-12.  
MLL Ref: 9022.15 (1225)

*V. K. Zil'anov*

Scl/mst  
Feb 68

349.623

53

Forecasting the Productivity of the Herring  
Fishery on the Lofoten Bank, by V. K. Zhilantov  
and V. G. Genchev.

RUSSIAN, per, Rybnoe Khoz, Vol 44, No 1, 1968,  
pp 9-11.

Dept of Interior  
Bureau of Commercial Fisheries  
Branch of Foreign Fisheries

*V. K. Zhilantov*

Sci-IRM  
May 68



70  
102  
Size and Age Composition of Atlantic and Arctic Herring. by Yu. I. Izuba, V. K. Zilanov.  
RUSSIAN, per. Zhurnal, Vol 42, No 7, 1966,  
pp 17-19.

Dept of Interior  
Bureau of Commercial Fisheries  
Branch of Foreign Fisheries

Sol-B and W  
Jan 68

V. K. Zilanov

341.945

11  
Results of Commercial Fishing for North Atlantic  
Blue Whiting, by S. K. Zil'nov,  
RUSSIAN, per, Rybaco Khoz, No 4, 1967, pp 5-6.  
•Dept of Interior  
Fish & Wildlife Service  
BCF, Bureau of Foreign Fisheries

USSR  
Econ  
Jul 67

2  
Centralisation of Accounting for Railroad  
Freight Transport, by B. Zikuyev, 6 pp.  
RUSSIAN, per. Ekonomicheskaya Gazeta, No 213,  
Jul 1967, p. 27.  
JPRS 42196

B. Zikuyev

USSR  
Econ  
Sept 67

377,073

*M. H. Zelikman*

Need for Better Balance and Diversification  
in Freight-Transportation Usage, by B.  
Zikoyev and I. Sivanev, 5 pp.  
RUSSIAN, np, Ekonomicheskaya Gazeta, No 13,  
Mar 1966, p. 43,  
JPRS 35876

USSR  
Econ  
Jun 66

03,076

3  
Coordination of All Forms of Transport, by  
B. Zikoyev, 6 pp.  
RUSSIAN, per. Technical Transport, Moscow,  
No 9, Sept 1969, pp 8-9.  
JPRS 49617

USSR

Soon

Jan 70

*B. Zikoyev*  
*C. J.*

399.412

81

The Advantage of Insulated Risers in Foundries,  
by R. Sigis.  
GERMAN, per, Glossary of Remington, Vol 14,  
Mar 1967, pp 26-32.  
ORNL 5978

Sci-Materials  
Dec 67

Sequential Decoding for a Binary Channel with 60  
Dropouts and Insertions, by K. Sh. Zienovskiy,  
14 pp.  
RUSSIAN, per, Probl. Peredachi Inform., Vol 5,  
No 2, 1969, pp 23-30.  
NASA TT F-12991

*K. Sh. Zienovskiy*

sci/nav, comun  
aw; 70

A Dialog on Mars, by P. Yu. Zhigal', 11 pp.  
RUSSIAN, per, Zemlye Selo, No 3, 1965,  
pp. 44-57  
JPRS 31113

USSR  
Sci-Misc.  
Aug 65

RUSSIAN, SPOKEN



*F. Yu. Zigel'*

*The minor planets. 101 pp.  
RUSSIAN, BK, Malnye Planety, 1969  
NASA TT F 700-72*

*June 72*

UFC's -- What Are They?, by F. Zigul',  
RUSSIAN, per, Smena, No 7, Feb 1967, pp 27-29.  
JPRS CSO: DC 15163

I-437/67

Sci-Aerospace  
May 67

3126,044

Task and Direction of Mechanization of Agricultural Production in the Present Stage of Social Development, by R. Zieschang, 10 pp. GERMAN, per, Deutsche Agrartechnik, Vol. XXIX, No. 1, Jan 1967, pp. 1-4.  
JPRS 39366

44

R. ZIESCHANG

EE-Germany  
Sci-Agric  
Mar 67

347,296

How We Can Supply Our Electric Energy  
Requirements on the Basis of Present and  
Future Energy Conversion Methods, by Heinz  
Ziergiebel, 15 pp.  
GERMAN, per, Energietechnik, 3 Mar 1966,  
pp. 97-101,  
JPRS 35319

73

HEINZ ZIERGIEBEL

WE-Germany  
Sci-Electron  
May 66

303,091

12  
Main Tasks of the Complex Socialist  
Rationalization of Gas Supply, by Heinz  
Ziergiebel, 11 pp.  
GERMAN, per. Energetechnik, No 3, Mar 1967,  
pp. 98-102.  
JPRS 40699

*Heinz Ziergiebel*

FR-East Germany  
Econ -  
Jun 67

325,7062

102  
Higher Efficiency of Energy Industry Strived,  
by H. Ziergiebel, 7 pp.  
GERMAN, per. energie-technik, Apr 1968, pp 143-149.  
JPRS 45909

Sci-Tech Engr  
Aug 68

H. ZIERGIEBEL

969.9109

115  
On the Influence of the Addition of Heat to  
Supersonic Flow, by J. Zierep.  
GERMAN, per, Acta Mechanica, Vol 2, No 2, 1966,  
pp 217-230.  
NLL Ref: 5207 (1222)

Sch. Phys  
Aug 68

J. ZIEREP

361,604

J. Zierep

The forces and moments acting on a drop  
subjected to a shearing air stream.  
GLRWAN, Zeitschrift für Flugwissenschaften,  
Vol. 3, No. 1, pp. 22-25 (Jan. 1955)  
C.E. Trans. 5074b

Doc 71



The Economic Side of Automation, by  
D. Ziegffel.  
GERMAN, par, Business, Vol 102, 1965, pp 11-14.  
HERRA-2262

*D. Ziegffel*

334, 620

Sci  
Jul 67

15  
Economic Cooperation Between CEMA Countries in  
the Electrical Engineering Industry, by L.  
Zienkowski, 8 pp.

POLISH, per. Przeglad Elektrotechniczny, No 5,  
May 1967, pp. 173-175.

JPRS 41844

L. ZIENKOWSKI

EE-Poland

Econ

Aug 67

312,652

Possible Use of Liquid Fuels for Heating  
Purposes in Poland, by Mgr. Andr. Leszek  
Ziembinski, 9 pp.  
POLISH, per, Gas, ~~Wzrost i Technika~~  
Vol XL, No 1, Jan 1966, pp. 30-32.  
JPRS 35319

21

LESZEK ZIEMBIŃSKI

EE-Poland  
Econ  
May 66

310,032

Coloration of the Surface of Foodstuffs during <sup>52</sup>  
the Process of Smoking, by Leonid Zimshin.  
POLISH, per, Preserval Sposoby, Vol 210, No 11,  
1966, pp 34-39.  
\*CPSTI TT 67-56124/90

Sci-Earth Sci & Oceanography  
Dec 67