

(SIA-1010)

Summary of the Conference Activities Devoted to  
the Philosophical Problems of Biology and Future  
Tasks in the Development of Philosophical Problems  
of Biology in Ukraine, 7 pp.

RUSSIAN, per, Izpovidi Akademii Nauk Ukrainy SSR,  
No 6, 1961, pp 825-829.

JPRS 11101

176,010

Sci - Biol

Dec 61

(S-1378)

The Ukrainian Republic Conference on Philosophical  
Problems of Biology, by A. V. Shugaylin, I. F.  
Pakshin, 9 pp.

RUSSIAN, per, Dopovidi Akademii Nauk Ukrainiskoy  
RSR, No 6, 1961, pp 335-337.

JPRS 11102

Sci - Biol

176,009

Dec 61

(SF-1880)

Construction of an Asymptotic Solution for an Automatic System With Strong Nonlinearity, by Yu. O. Mytropol's'kyy, 8 pp.

RUSSIAN, per, Dopovidi Akademi Nauk Ukrain's'koy RSR, No 7, 1961, pp 839-844.

JPRS 12148

Sci - Phys

877  
182, 635

Feb 62

(SF-1880)

Reliability of a System of Devices With Available Reserves, by T. P. Maryanovich, by B. V. Gnedenko, 6 pp.

RUSSIAN, per, Dopovidi Akademii Nauk Ukrain's'koy RER, No 7, 1961, pp 850-853.

JPRS 12147

Sci - Engr.

Feb 62

910  
182, 620

Effect of Calcium on the Graphite Structure in  
Iron-Carbon-Silicon Alloys, by A. V.  
Chernovol et al.

RUSSIAN, per, Dopovidi Ak Nauk Ukrain RSR,  
No 7, 1961, pp 911-914.

HB 85464

Sci - Min/Met  
Apr 62

190,706

(S)

From the Presidium of the Academy of Sciences USSR,  
3 pp.

RUSSIAN, per, Dopovidi Ak Nauk Ukrainy 1961, No 7,  
1961, pp 970-975.

JPRS 11538

Sci. - Misc.

Jan 62

17, 438

THE ADSORPTION MECHANISM OF THE ACTION OF  
CERTAIN ACID CORROSION INHIBITORS, BY H. H.  
LYSENKO, O. S. AFANAS'YEV, 9 PP.

UKRAINIAN, PER, DOPOVIDI AKADEMIYI NAUK  
UKRAVINS'KOYI RSR, NO 8, 196L, PP 1049-1051.  
JPRS 16516

SCI - CHEM

DEC 62

217,297

Radiation of a Loop Antenna in Electroconduc-  
tive Surroundings, by T. Z. Verbitskiy, 5 pp.  
FOR OFFICIAL USE ONLY  
RUSSIAN, per, Dopovid Ak Hank Ukrayins ISR,  
1961, No 9, pp 1165-1168. 9698262  
FSTC 381-T65-331

Sci - Elec  
Oct 65

291,319



An Investigation of Carbon Electrotransport in  
Metals of the Iron Group, by I. N. Frantzevich.  
RUSSIAN, per, Dpovidi Ak Nauk URSR, No 9, 1961,  
pp 1169-1171.  
\*CFSTI TT 70-59102

Sci- *Chem*  
June 70

(DC-5881)

In the Presidium of the Ukrainian Academy of  
Sciences, 4 pp.

**RUSSIAN,**  
**UKRAINIAN, per, Dopovid Ak Nauk Ukrayinskoyi RSR,**  
No 9, 1961, pp 1297-1299.

JPRS 8777

Sci - Misc

*169, 175*

Sep 61

(DC-5881)

Conferences on Problems of Protecting Natural  
Waters and Improving the Quality of Water,  
by O. V. Sotnikova, 5 pp.

UKRAINIAN, per, Dopovidі Ak Nauk Ukrayinskoyi RSR,  
No 9, 1961, pp 1300-1302.

JPBS 8777

*169, 174*

~~INDEX~~

Sci - Chem, Biology

Sep 61

(DC-5881)

Conference on Problems of the Over-All Utilization  
of Coke Gas, by Ch. M. Maytina, 3 pp.

UKRAINIAN, par, Dopovidi Ak Nauk Ukrayinskoyi RSR,  
No 9, 1961, pp 1302-1304.

JPRS 8777

Sci - Fuels

169, 176

Sep 61

(DC-5881)

Coordinating Conference on the Problem of the  
Physical Basis of Strength and Plasticity,  
by L. V. Kolusov, 4 pp.

UKRAINIAN, par, Dopovidi Ak Nauk Ukrayinskoyi RSR,  
No 9, 1961, pp 130<sup>4</sup>, 1306.

JPRS 8777

Sci - Chem

169, 146

Sep 61

TT-64-13285

Svechnikov, V. M. and Pan, V. M.  
THE Cr-Ni-Nb PHASE DIAGRAM. Sep 62 [6p] (figs  
omitted) refs [DSIR] NII M. 3999.  
Order from OTS, SLA, or ETC \$1.10      TT-64-13285

Trans. of Akademiya Nauk USSR [Kiev]. Dopovidy,  
1961, no. 10, p. 1290-1295.

I. Svechnikov, V. M.  
II. Pan, V. M.  
III. DSIR-NLL-M. 3999  
IV. International Nickel Co.  
(Mond) Ltd., London  
(England)

(Physics--Solid State, TT, v. 12, no. 2)

Office of Technical Services

Temperature Field and Gradients in Elements  
of Welded Disk Type Turbine Rotor ~~MM~~ Under  
Starting Conditions, by V. I. Fedorov,  
M. O. Minyaylenko, 8 pp.

RUSSIAN, per, *Dopovidi, Ak Nauk Ukrayinskoyi*  
*BER*, No 10, 1961, pp 1317-1322. 9667362

FTD-TT-62-1363

Sci - Phys, Engr  
Jan 63

On the Sintering of Two-Phase (Powder)  
Systems, by V. V. Skorokhod, I. M. Fedorchenko.  
USSR, per, Dopovidi Akad. Nauk UkrSR,  
No 10, 1961, pp 1403-1406.  
NB 4467

USSR  
Sci/M&M  
Jan 66

294,639



The State of Carbon in Titanium, Tantalum and  
Tungsten, by I. N. Frantsevich, I. I. Kovenskiy, *5 pp.*  
UKRAINIAN, per, *Dopovidi Ak Nauk Ukrain RSR,*  
No 11, 1961, pp 1471-1474.  
NASA TT F-9067  
NASA TT F-263

Sci-Chem  
Oct 64  
U.S. GOVERNMENT ONLY

267,560

On the State of C in Ti, Ta, and W, by  
I. N. Frantzevich.  
RUSSIAN, per, Dopovidi Ak Nauk URSSR, No 11, 1961,  
pp 1471-1474.  
\*CFSTI TT 70-59101

Sci- *chem*  
June 70

Heat Transfer of Wave Strips in a Longitudinal  
Air Stream, by O. O. Kremnev, M. T. Dukhnenko,  
5 pp.

RUSSIAN, per, Dopovidi. Ak Nauk UkrRSR, No 11,  
1961, pp 1495-1497. 9678797

FTD-TT-62-971

Sci-Phys  
Dec 62

217,593

Problem of Determining the Form of a Shock Wave  
in Case of Directing a Gas Flow Around Thin  
Bodies, by A. M. Antonov, M. M. Sullyar, 6 pp.

RUSSIAN, per, Dopevidi Ak Nauk Ukrayinskoyi RSR,  
No 12, 1961, pp 1556-1560. 9677215

FED-TT-62-297

Sci - Phys  
Jun 62

199,513

About an Instance of Amplitude Error  
Discretization, by Ya. P. Drgan, V. M.  
Mikheylovskiy, 6 pp.

UKRAINIAN

НИЗЬКОПАСИ, пар, Доповиди, Ак Банк Украйинскоу  
ВВВ, № 12, 1961, pp 1578-1582. 9667337

FED-TR-62-1364

Sci - Misc  
Jan 63

219,962

A New Species of Fish Leech *Piscicola Fadejewi*  
and Certain Suppositions as to the Origin of  
this Species, by V. M. Epshtein,  
RUSSIAN, per, Dopovidi Ak Nauk UkrSR, No 12,  
1961, pp 1644-1648.  
NLL RTS 3711  
ON Loan Only

Sci-B&M  
Jul 67

329,182

The Mechanism of Siliconizing Metals, by  
V. K. Titov, E. F. Makarov.

UKRAINIAN, per, Dopovidi Akademi Nauk SSSR,  
No 1, 1962, pp 50-55.

BISI 3493

Sci - M/M  
Jan 64

248, 810

Volta Potential Differences Between Electrolyte Solutions and  
Activity Co-Efficients of Separate Ions, by N. A. Izmailov,  
Iu. F. Rybkin, 8 pp.  
RUSSIAN, per, Dopovid Ak. Nauk. Ukr., RUR, No 1, 1962,  
pp 69-73. 922-0434

AEC-Tr-6244

Sci - Phys  
Feb 64

250, 544



(DC-6887)

New Scientific Coordinating Councils in the  
Ukrainian Academy of Sciences, 12 pp.

IN UKRAINIAN, per, Dopyvidi Ak Nauk Ukrayins'koyi  
Radyans'koyi Sotsialistychoyi Respubliky,  
No 1, 1962, pp 131-133.

JPRS 14046

Sci - Misc  
Jun 62

199, 867

A Study of Heat Transfer and Resistance for the  
Elements of Laminar Heat Exchangers With Ribbed and  
Corrugated Packing, by O. O. Krem'nov.

RUSSIAN, per, Dopovidi Ak Nauk Ukrain RSR,  
No 2, 1962, pp 196-200.

NLL RTS 2388  
(loan copy)

Jul 64

INTRODUCTORY ADDRESS TO THE ACADEMY BY  
ACADEMICIAN A. V. PALLADIN, 3 PP.

UKRAINIAN, PER, DOPOVIDI AK NAUK UKRAIN RSR,  
NO 3, 1962, PP 287-289.

JPRS 15465

SCI - MISC

OCT 62

212,857

A SUMMARY OF THE SCIENTIFIC ACTIVITIES OF THE  
INSTITUTIONS OF THE ACADEMY OF SCIENCES IN 1961,  
23 PP.

UKRAINIAN, PER, DOPOVIDI AK NAUK UKRAIN RSR,  
NO 3, 1962, PP 290-306.

PRS 15465

SCI - MISC

OCT 62

212,858

OSPECTS FOR THE DEVELOPMENT OF SCIENTIFIC RESEARCH  
IN THE ACADEMY OF SCIENCES OF THE UKRAINIAN SSR  
IN THE LIGHT OF THE DECISIONS OF THE 20TH  
RR CONGRESS OF THE CPSU, 21 PP.

UKRAINIAN, PER, DOPOVIDI AK NAUK UKRAIN RSR,  
NO 3, 1962, PP 307-322.

JPRS 15465

SCI - MISC

OCT 62

212,859

Effects of an Electric Field on Sorption Processes  
on the Surface of Germanium, by Lyashenko,  
Berba, et al, 5 pp.

RUSSIAN, per, Dneprovidi Ak Nauk Ukrain RSR, No 3,  
1962, ~~RUSSIAN~~ pp 350-352.

ACSI I-7071  
ID 2216554

OTS 63-11514

Sci - Phys, Chem  
1 Feb 63

221,494

Study of the Process of Fatigue Under  
Conditions of Rolling Friction by the  
Eddy-Current Method, by G. T. Nazarenko,  
A. D. Yaroshok.

RUSSIAN, per, Dopovidi Akad. Nauk UkrSR,  
No 3, Mar 1962, pp 370-373.

HB 5687

USSR  
Sci/H&M  
Mar 66

297,218

On the Spalling Mechanism of Nodular Cast Iron Surfaces  
Induced by Contact in Rolling & Friction, by  
D. A. Draigor, V. Ya. Zhuk.

RUSSIAN, per, Dopovidi Ak Nauk Ukr RSR, No 3, Mar 1962,  
pp 374-377.

HB 5814

Sci-Min/Met  
Mar 63



DISCUSSION OF THE REPORTS OF ACADEMICIANS OF THE  
AS UKSSR, I. M. FEDORCHENKO AND M. P. SEMENENKO,  
7 PP.

UKRAINIAN, PER, DOPOVIDI AK NAUK UKRAIN RSR,  
NO 3, 1962, PP 414-417.

JPRS 15465

SCI / MISC

OCT 62

212,860

MEETINGS OF THE SECTIONS OF THE ACADEMY OF SCIENCES  
OF THE UKRAINIAN SSR, 7 PP.

UKRAINIAN, PER, DOPOVIDI AK NAUK UKRAIN RSR,  
NO 3, 1962, PP 418-422.

JPRS 15465

SCI - MISC

OCT 62

212,861

Reversible Operational Amplifier, by H. Ye. Pukhov, 6 pp.

UKRAINIAN, per, Dopovidl AK Nauk Ukrayins'koyi RSR, No 4,  
1962, pp 466-468.

JPRS 22607

Sci-Math  
Jan 64

245, 568

Determination of the Characteristics of a Transportation Network  
by the Method of Successive Analysis of Variations, by  
O. O. Bakayev, S. V. Branovyts'ka, et al, 7 pp.

UKRAINIAN, per, Dopovidi AK Nauk Ukrayins'koyi RSR, No 4,  
1962, pp 469-472.

JPRS 22607

Sci-Matxh  
Jan 64

245, 569

A METHOD FOR CULTIVATING INSECT TISSUES, BY V. D.  
MYLOSERDOVA, 7 PP.

UKRAINIAN, PER, DOPOVIDI AK AM NAUK UKRAYINS'ISOVI  
RSR, NO 4, 1962, PP 540-542..

JPRS 16665

SCI - BIOL, MED

JAN 63

218,497

(SF-2294)

ON THE PRINCIPLES OF CONSTRUCTING A DIGITAL  
LOGICAL MACHINE, BY A. O. STOGNIY, 4 PP.

UKRAINIAN, PER, DOPOVIDI AK NAUK UKRAYINS'KOYI  
SOTSIALISTYCHNOYI RESPUBLIKY, NO 5, 1962,  
PP 575-577.

JPRS 14961

SCI - ENGR

AUG 62

209,188

On Modifications of a Gyrohorizon Compass-Directional  
Gyro-Computer Inertial Navigation System, by V. N.  
Kalinovich, 4 pp.

RUSSIAN, per, Dopovidi Ak Nauk Ukrain & RSR, No 5,  
1962, pp 591-593.

CIA/FDD XX-1220

NOT RELEASABLE TO FOREIGN NATIONALS

Sci

Jul 62

USIB INTERNAL USE ONLY

205,647

Replacement of Fluorine by Chlorine and Its Salts at High Temperatures, by I. N. Sheiko, A. I. Voronina, 3 pp.

RUSSIAN, per, Dopovidi Ak Nauk Ukrain SSR, No 5, 1962, pp 613-615.

CIA/FDD XX-1211

~~NOT-RELEASABLE TO FOREIGN NATIONALS~~

Sci

Jul 62

202,396

USIB INTERNAL USE-ONLY



CHANGES IN THE PHYSICO-CHEMICAL AND BIOCHEMICAL  
PROPERTIES OF HEMOGLOBIN DURING RADIATION SICKNESS  
IN ANIMALS, BY B. F. SUKHOMLINOV, V. V. MERENOV,  
5 PP.

UKRAINIAN, PER, DOPOVIDI AK NAUK UKRAIN RSR, NO 5,  
1962, PP 624-626.

JPRS 15525

SCI - MEDICINE

OCT 62

212,888

New Departments and Laboratories, 4 pp.

UKRAINIAN, bulletin, Dopovidi Akademi  
Nauk Ukrayinskoy RSR, No 5, 1962, pp 681-683.

JPRS 16331

Sci - Misc

Dec 62

(DC-8035)

ADDRESS ALGORITHMS AND MATHEMATICAL MACHINES,  
BY K. L. YUSHCHENKO, 5 PP.

UKRAINIAN, PER, DOPOVIDI AK NAUK UKRAYINS'KOYI  
RSR, NO 6, 1962, PP 742-744.

JPRS 15083

SCI - ENGR

SEP 62

210,247

Equations of Perturbed Motion of a Solid With a Cavity  
in the Form of a Body of Revolution and Partially  
Filled With Liquid, by I. A. Lukovskiy, 5 pp.

RUSSIAN, per, Dopovidi Ak Nauk Ukrain SSR, No 6,  
1962, pp 749-753.

CIA/FDD XX-1247

NOT RELEASABLE TO FOREIGN NATIONALS

Sci

Sep 62

USIB INTERNAL USE ONLY

210, 165

Construction of an Adiabatic Vertical With the Aid of a  
Gyrohorizon With Plumb-Line Correction, by O. F.  
Boychuk, 4 pp.

RUSSIAN, per, Dopovidi Ak Nauk Ukrain SSR, No 6,  
1962, pp 753-755.

CIA/FDD XX-1245

NOT RELEASABLE TO FOREIGN NATIONALS

Sci

Sep 62

USIB INTERNAL USE ONLY

210,166

New Information on Radon Waters of the  
Belaya Tserkov Region, by O. G. Bondar, 5 pp.

RUSSIAN, par, Dopovidi Ak Nauk Ukrain RSR,  
No 6, 1962, pp 789-791.

JPRS 1564

Sci - Geophys  
Oct 62

212,500

First Seminar at the Department of Technical Sciences of the Academy of Sciences UKr-SSR on Surface Diffusion Saturation of Metals and Coatings of High Melting Compounds on Metallic and Nonmetallic ~~EM~~ Materials, by O. P. Yepik, 7 pp.

UKRAINIAN, per, Dop Ak Nauk Ukrainiskoy RSR, No 6, 1962, pp 857-859. 9668530

FTD-TT-62-1926

Sci-Chem  
May 63

230,827

ON A PROBLEM OF STABILIZATION, BY V. N.  
ROMANENKO, 6 PP.

UKRAINIAN, PER, DOPOVIDI AK MMNAUK RSR,  
NO 7, 1962, PP 863-867.

JPRS 16446

SCI - ELECTRON

DEC 62

218,167



Quasi-Analogue Electronic Computer for Solution of  
General Problems of the Mathematical Programming,  
by G. E. Pukhov, 4 pp.

UKRAINIAN, per, Dopovidi Ak Nauk FSR, No 7,  
1962, pp 868-870.

JPRS 16446

Sci - Electron

Dec 62

Levels and Styles of Address Language and the  
Problem of Programming Automation, by K. L.  
Yushchenko, 4 pp.

UKRAINIAN, per, Dopovidi Ak Nauk FSR, No 7,  
1962, pp 871-873.

JPRS 16446

Sci - Electron

Dec 62

Investigating ~~Anti-Friction~~ Qualities of  
Plastics Under Working Conditions of ~~Beark-~~  
ings of Ship Propeller Shafts, by V. A.  
Buzkov, 5 pp.

UKRAINIAN, per, Dop Ak Nauk Ukraynskoj RSR,  
No 7, 1962, pp 901-905. 9669782

FTD-TT-63-263

Sci-Phys

342,071

Aug 63

DICHLORIODIC DERIVATIVES OF SALICYLANILIDE AND  
MONOHALOID SALICYLANILIDES - NEW SYNTHETIC  
ANTIMICROBIAL SUBSTANCES, BY M. M.  
ROTMISTROV, G. V. KULIK, 5 PP.

UKRAINIAN, PER, DOPOVIDI AKADEMIY NAUK  
UKRAYNS'KOY RSB, NO 7, 1962, PP 955-957.

JPRS 16448

SCI - MED

DEC 62

217,210

S-612/62

The State and Perspective of the Development of  
Cybernetic Research in the Ukraine and the  
Organization of the Institute of Cybernetics in the  
Ukrainian SSR Academy of Sciences, ~~MX~~  
(SF-2352)

UKRAINIAN, per, Dopovidi Akademiya Nauk  
Ukrayns'koyi RSR, No 7, 1962, pp 970-971.

\*JPRS

Sci - Electron  
5 Sep 62

ACTIVITIES IN THE UKRAINIAN ACADEMY OF SCIENCES,  
22 PP.

UKRAINIAN, PER , DOPOVIDI AKADEMIYI  
NAUK UKRAYINS'KOYI RSR, NO 7, L962, PP 970-975. .

JPRS L8466

SCI - MISC

APR 63

227,432

S-612/62

Strengthening the Work of Scientific Research With  
Problems of the Electrification and Automation  
of Production Processes,                      (SF-23X2)

5

UKRAINIAN, per, Dopovidi Akademiya Nauk  
Ukrayns'koyi RSR, No 7, 1962, pp 973-974.

\*JPRS

Sci - Electron  
5 Sep 62

Axially Symmetrical Deformation of Hollow  
Orthotropic Shells of Rotation, by O. M. Guz',  
4 pp.

UKRAINIAN, per, Dop Ak Nauk Ukrain RSR, No 8, 1962,  
pp 1044-1047. 9669769  
9686760

FTD-TT-63-597

Sci-

Aug 63



Studying the Hardness of Tungsten at  
Temperature Ranges of From 20-2700°.  
by G. S. Pisarenko, V. O. Borisenko.  
7 pp.

UKRAINIAN, per, Dop <sup>12</sup>: Nauk Ukrain RSR,  
No 8, 1962, pp ~~1053-1056~~. 9568607

FTD-TT-63-101

Sci-M & M  
:-- 63

230,864

A Tentative Phase Diagram of the Boron-Silicon System, by G. V. Samsonov, V. M. Sleptsov.

RUSSIAN, per, *Dopovidi Ak Nauk Ukr RSR*, X No 8, ~~XXX~~ Aug 1962, pp 1066-1067.

HB 5813

Sci-Min/Met  
Mar 63

*AID Report T-63-119  
9689461*

Real Solvation Energies and the Activity Coefficients  
of Separate Ions in Monaqueous and Mixed HCl  
Solutions, by N. A. Izmaylov, Iu. F. Rybkin, 9 pp.

<sup>9</sup>  
in UKRAINIANS, per, Dopovidni Ak Nauk Ukrayins'koyi,  
1962, pp 1071-1075. 9217200

ABC-Tr-6110

Sci - Nucl Sci  
Jan 64

248,791

S-118/63

On the Completeness of Address-Language Means, by  
E. L. Yushchenko. *42p* (SF-2485)

RUSSIAN, per, Dopovidi Ak Nauk Ukrain RSR,  
No 10, 1962, pp 1305-1307.

*JPRS*

*17911*

Sci - Math  
1 Feb 63

STATUS AND PROSPECTS FOR THE DEVELOPMENT OF  
RESEARCH ON THE PROBLEM "HEREDITY CONTROL" IN  
THE ACADEMY OF SCIENCES UKRAINIAN SSR, 5 PP.

UKRAINIAN, PER, DOPOVIDI AKADEMIYI NAUK UKRAYINS'KOYI  
RSR, NO 10, 1962, PP 1392-1393.

JPRS 18871

SCI - MISC  
MAY 63

228,780

DEVELOPMENT OF GEOLOGICAL RESEARCH IN THE ACADEMY  
OF SCIENCES UKSSR TO IMPROVE THE ASSISTANCE IN  
RAISING THE EFFECTIVENESS OF GEOLOGICAL PROSPECTING  
IN THE UKRAINE, 5 PP.

UKRAINTIAN, PER, DOPOVIDI AKADEMIYI NAUK UKRAYINS'KOYI  
RSR, NOX 10, 1962, PP 1394-1396.

JPRS 18871

SCI - MISC  
MAY 63

228,781

THE FOURTH ALL-UNION CONFERENCE ON PROBLEMS OF  
THE UTILIZATION OF TRACE ELEMENTS IN THE NATIONAL  
ECONOMY, BY V. A. KAPITARCHUK, 9 PP.

UKRAINIAN, PER, DOPOVIDI AKADEMIYI NAUK  
~~XXXXXXXXXXXX~~ UKRAYINS'KOYI RSR, NO 10, 1962,  
PP 1390-1402.

JPRS 18871

SCI - MISC  
MAY 63

220,702

Stress Concentration Around a Circular Hole Reinforced  
With a Rigid Sleeve in a Cylindrical Orthotropic  
Shell, by A. N. Guz, 4 pp.

RUSSIAN, per, Dopovidi Ak Nauk UkrSSR, No 12, 1962,  
pp 1594-1597.

CIA FDD XX-1349  
NO FOREIGN DISSEM

Sci - Phys  
Mar 63  
USIB INTERNAL USE ONLY



Electron-Beam Treatment as a Method of  
Work Hardening Steel Surfaces, by  
G. T. Nazarenko, G. Ya. Zagavura.  
RUSSIAN, per, Dopovidi Akad. Nauk Ukraini-  
tsi RSR, No 1, Jan 1963, pp 59-61.  
HB 5152

USSR  
Sci/MQM  
Mar 66

297,216

Vibrations and Stability of a Ribbed Cylindrical  
Shell in a Flow of Compressible Liquid, by  
B. M. Babitskii, 6 pp.

UKRAINIAN, per, Rep Ak. Nauk Ukrain SSR,  
No 2, 1963, pp 178-183. 985512

FTD-TT-63-647

Sci-Phys

Sep 63

343564

~~The Measurement~~ of the Fluxes of Discrete  
Sources of Cosmic Radio Emission at  
Frequencies Below 40 mHz, by L. L. Bazelian  
and S. Ia. Braude, et al, 9 p.

RUSSIAN, per, Akademiya Nauk Ukrain's'koi  
RSR, Dopovidi, No 2, 1963, pp 188-192.

9700122

AFCRL T-U-4

Sci-Elec

Apr 66

297,761

Researching Damping Characteristics  
of Some Alloys at Low Temperatures,  
by A. P. Yakovlev, 8 pp.  
ОБЪЯВЛЕНИЕ, пер. Акад. наук СССР  
АН ССР, Институт неметаллической  
и специальной керамики, 1963, №  
193-204, 0097082  
FTS-75-64-1157

*A.P. Yakovlev*

Sci-1181  
Jan 65

282,405

Possibility of Strengthening Steel by  
Electron Bombardment, by B. D. Grozin and  
V. S. Chernenko, 5 pp.  
UKRAINIAN, per, Dopovidi Akademiï Nauk  
Ukrayins'kovi RSR, No 2, 1963, pp 202-205.  
JPRS 32,107

UKRAINIAN  
Sci-M/H  
Sep 65

287,749

S-422/63

On the Development of Research With the Use Computers  
in Scientific Establishments of the Academy of Sciences  
Ukrainian SSR, (NY-7601) *2pp*

~~RM~~ UKRAINIAN, per, Dopovidi Ak Nauk Ukrainś'koi RSR,  
No 2, 1963, pp 271.

*JPRS 19325*

Sci - Math & Data Pro

Apr 63

S-422/63

Status of the Scientific Research Support Institute of  
the Academy of Sciences Ukrainian SSR on Perspective  
Problems in the Natural Sciences and Humanities, *4pp.*  
(NY-7601)

UKRAINIAN, per, Dopovidi Ak Nauk Ukrains'koi RSR,  
No 2, 1963, pp 271, 272.

*K*  
\*JPRS 19325

Sci - Misc

Apr 63

ON THE SYNTHESIS OF ELECTRONIC MODELS FOR  
ALGEBRAIC OBJECTS, BY G. YE. PUKHOV, A. YE. STEPANOV,  
9 PP.

UKRAINIAN, PER, DOPOVIDI AKAD NAUK UKRAINS'KOV  
RSR, NO 4, 1963, PP 447-451.

JPRS 19563

SCI - ELECTRONICS  
JUN 63

231,783



THE 1962 ACHIEVEMENTS IN SCIENCE AND TECHNOLOGY  
IN THE UKRAINIAN SSR, 24 PP.

UKRAINIAN, PER, DOPOVIDI AKADEMII NAUK UKRAINS'KOY  
RSR, NO 5, 1963.

JPRS 21058

SCI-MED  
SEP 63

343,697

Obtainment of Dispersion Metal Powders  
by Electro-Reduction of Difficult Soluble  
Compounds in Molten Media, by

I. P. Chernobayev, L. N. Antipin, 9 pp.

UKRAINIAN, per, Ak Nauk Ukrain RSR,  
No 5, 1963, pp 618-623. 9699410

FTD-TT-65-904

Sci - M/M  
Feb 66

294,766

Device for Determining Lateral Soil Pressure  
on a Retaining Wall, by K. I. Chernishova.  
RUSSIAN, per, Akademiya Nauk Ukrainskoi RSR.  
Dopovidi, No 6, 1963, pp 744-748.  
NTC-71-15587-13M

*CIA X 6458*

Feb 72

Decrease in Fragility of Carbon Steel Tested in the  
Range of 20-700° C, by I. E. Dolzhenkov.  
RUSSIAN, per, Dopovidn An UkrSI, No 6, 1963,  
pp 782-785.  
NB 6487

Sci/MEM  
Apr 65

278,777

On the Fulfillment of the 11 April 1963 Decree of the Central Committee of the CPSU and Council of Ministers USSR On Measures for Improving the Activity of the Academy of Sciences USSR and the Academies of the Union Republics, and the 28 May 1963 Decree of the Central Committee of the Communist Party of the Ukraine and the Council of Ministers Ukrainian SSR On Measures for Improving the Activity of the Academy of Sciences Ukrainian SSR Report of the President of the Academy of Sciences Ukrainian SSR, Academician V. Ye. Paton at the General Assembly of the Academy of Sciences Ukrainian SSR on 12 June 1963.

UKRAINIAN, per, Dopovidi Ak Nauk Ukrayins'koyi SSR, No 7, 1963, pp 841, -851.

JPRS 22181

USSR  
Pol  
Jan 64

245, 521

Dec 63

Method of Investigation of Pyrometallurgical  
Processes Based on the Changes in the  
Magnetic Characteristics of the Material,  
by Z. I. Nekrasov, M. A. Gladkov, et al.

RUSSIAN, per, Dop Ak Nauk Ukrain RSR, No 7,  
~~XXXX~~1963, pp 896-899.

IB 6120

Sci-1/1

MORPHOLOGICAL CHANGES IN THE INTERNAL ORGANS  
AND SKIN FROM LOCAL ULTRASONIC IRRADIATION BY  
S. A. BERSHTEYN, 5 PP.

UKRAINIAN, PER, DOPOVIDI AKADEMIYI NAUK UKRAYINS'KIYI  
KOYI RSR, NO 7, 1963, PP 924-927.

JPRS 21776

SCI-BIOL AND MED  
NOV. 63

241,598

S-996/63

On the Problem of the Speed of Propagation of Ultrasonic  
Oscillations in Blood, by I. R. Yevdackymov. (NY-7879)

RUSSIAN, per, Dopovidi Akademii Nauk Ukrain's'koi RSR,  
No 7, 1963, pp 927-928.

\*JPRS

Sci - Biol & Med Sci  
Oct 63



Discussion of the Reports of V. Ye. Paton, Active Member of the Academy of Sciences USSR and G. S. Pisarenko, Corresponding Member of the Academy of Sciences U, 6 pp.

UKRAINIAN, per, Dopovidi Ak Nauk Ukrayins'koyi SSR, No 7, 1963, pp 973-975.

JPRS 22181

USSR  
Pol  
Jan 64

245, 522

On Measures for the Future Development of the Science of  
Biology and Strengthening Its Ties With Practice, 7 pp.

UKRAINIAN, per, Dopovidi Ak Nauk Ukrayins'koyi SSR, No 7, 1965,  
pp 976-979.

JPRS 22181

Biol & Med Sci  
Jan 64

245, 523

On Free Oscillations of a Cylindrical Shell  
Reinforced With Stiffening Ribs, by M. I. Karpov,  
7 pp.  
UKRAINIAN, per, Ak Nauk UkrSSR Dopovidi, No 8,  
1963, pp 1018-1021. 9693247  
FTD-TT-64-72

Sci - Phys  
Jul 64

263,738

CONFERENCE ON STUDY AND APPLICATION OF MICRO-  
ELEMENTS, BY V. A. KAPITANCHUK, 12 PP

~~RUSSIAN~~ UKRAINIAN, PER, DOPOVIDI AKADEMIYI NAUK  
UKRAYINS'KOYI RSR, NO 9, 1963, PP 1265-1267

JPRS 22418

SCI-MISC  
JAN 64

2245,068

THE SCIENTIFIC-RESEARCH PERFORMANCE OF THE UKRAINIAN  
INSTITUTE OF MECHANICAL ENGINEERING, 12 PP.

UKRAINIAN, PER, DOPOVIDI AKADEMII NAUD UKRAINS'KOY  
RSR, NO 9, 1963.

JPRS 21058

SCI-MED  
SEP-63

343,698

Creep-Resisting Steels With Various Alloying Additions, by  
M. P. Braun, E. B. Vinokur.  
RUSSIAN, per, Dop Ak Nauk Ukrain RSR,, No 9, 1963,  
pp 1190-1193.

HB 6164

Sci - M/M

Mar 64

250,769

Study of the Velocities of Longitudinal Elastic  
Waves on Perforated Models, Saturated With Liquids,  
by G. I. Petkovich, T. Z. Verbitskiy, 7 pp.  
UKRAINIAN, per, Dopovidi Ak Nauk Ukrains'koy RSR,  
No 11, 1963, pp 1470-1473. 9693497  
FTD-TT-64-210

Sci - Phys  
Sept 64

265,190

Thermomechanical Treatment of Steel While  
Subject to Torsional Deformation, by  
V. I. Polhmurs'kiy, G. V. Karpenko.

~~RUSSIAN~~  
UKRAINIAN, per, Dopovidi Ak Nauk Ukrains'koy  
RSR, No 12, 1963, pp 1600-1602.  
HB 6295

Sci-M & M  
June 64

261,775



Raising the Stability of Flexible Plates and  
Cylindrical Panels With the Aid of Vibrations,  
by L. F. Smulezhko, 7 pp.  
UKRAINIAN, per, Ak Nauk RSR, Dopovidi, No 1,  
1964, pp 10-14. 9696268  
FTD-FT-64-919

Sci - Phys  
Mar 65

276,897

Concentration of Stresses Around an Elliptical Hole  
in a Spherical Shell, by G. M. Savin, O. M. Guz',  
5 pp.  
UKRAINIAN, per, Ak Nauk RSR, Dopovid., No 1,  
1964, pp 54-58. 9696268  
FTD-TT-64-919

Sci - Phys  
Mar 65

276,898

O. P. Yepik, 5 pp.  
RUSSIAN, per, Dopovidi Ak Nauk Ukrain RSR, No 1,  
1964, pp 67-70. 9696070  
FTD-TT-64-782  
*HB . TR. No 6423*

Sci - M/M  
Mar 65

275,665

Seminar on Surface Diffusion Saturation of Metals  
and Coatings, by G. P. Epik, 9 pp.  
UKRAINIAN, per, Dopovidi Ak Nauk Ukrayin RSR,  
No 1, 1964, pp 138-140.  
JPRS 24165

Sci - M/M  
Apr 64

254, 410

Conference on Strength of Materials and Structural  
Elements at High Temperatures, by Yu. O. Kashtalyan,  
10 pp.  
UKRAINIAN, per, Dopovidi Ak Nauk Ukrayin RSR,  
No 1, 1964, pp 141-143.  
JPRS 241866

Sci - M/M  
Apr 64

254, 409

The Effect of External Periodic Forces on Single  
Frequency Vibrations in Systems With Many Degrees  
of Freedom, by Yu. O. Mytropol's'kyy, 5 pp.  
UKRAINIAN, per, Dopovid Ak Nauk Ukrayin RSR,  
No 2, 1964, pp 155-158.  
JPRS 24138

Sci - Math  
Apr 64

254, 377

Variable Structure Algebraic Transformers, by  
H. Ye. Fukhov, 6 pp.  
UKRAINIAN, per, Dopovidl Ak Nauk Ukrayin RSR,  
No 2, 1964, pp 181-184.  
JPRS: 24138

Sci - Math  
Apr 64

254, 378

Calculation of Flow of a Hypersonic Gas  
Stream Directed Around Axiallysymmetrical  
Bodies, by A. M. Antonov, 7 pp.  
UKRAINIAN, per, Ak Nauk Ukrain SSR,  
Dopovid, No 2, 1964, pp 188-193.  
FTD-TT-64-1005

Sci - Phys  
Apr 65

278,332



On the Status and Prospects of the Future  
Development of Scientific Research on the  
Problem of the Scientific Principles of Strength  
and Ductility, 5 pp.  
UKRAINIAN, per, Dopovid Ak Nauk Ukrayins.  
No 3, 1964, pp 413-415.  
JPRS 24494

Sci - Misc  
May 64

259, 118

All Efforts of Scientists of the Ukraine - In the Cause  
of the Building of Communism, 23 pp.

*DR. RAINIA* ~~REDACTED~~, per, Dopovidi Ak Nauk Ukrain RSR, No 4,  
1964, pp 428-435.  
JPRS 270267

USSR  
Pol  
Jan 65

270,628