

Turbulent Boundary Layer in the Gas Flow Past a  
Plate, by L. E. Kalikhman, 6 pp.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol CVI,  
No 1, 1956, pp 23-26.

NEW YORK  
Morris D. Friedman  
\$3.00

34,941

Scientific - Physics  
Jun 56 CTS/dax

JUN 24 1956  
77-111

Unsteady Flow of a Viscous Incompressible Fluid in a  
Bounded Three-Dimensional Region, by A. A. Kiselev,  
5 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol. CVI,  
No 1, 1956, pp 27-30.

Morris D. Friedman

\$2.50

34,949

Scientific - Physics  
Jun 56 CTS/dex

The Effect of Reabsorption on the Breadth of Spectral Lines, by L. M. Biberman, E. M. Novodvorskaya, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, ~~Phys-See~~, Vol E CVI, No 1, pp 35-38

Amer Inst of Phys  
Soviet Phys-"Doklady"  
Vol I, No 1

Sci - Phys

Aug 57

Electron Optical Method of Studying Dynamic Thermal Processes in Opaque Media, by G. V. Spivak, T. N. Dombrovskaya, 7 pp.

V

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CBI, No 1, 1956, pp 39-41.

ATIC F-TS-9126/V

46, 446

Electronics

Mar 57

Flow Deformation of Macromolecules and Its Effect  
on the Sign of the Dynamic Birefringence of a  
Polymer in Solution, by E. V. Frisman, V. N.  
Tavetkov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, ~~Phys. Sec.~~, Vol CVI,  
No 1, pp 42-~~47~~

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

Sci - Phys

Aug 57

Velocity of Propagation of Elastic Waves in  
Imperfectly Elastic Medium, by D. I. Shil'krut.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol CVI,  
No 1, 1956, pp 58-60.

DSIR/28701/CT

Sci - Physics  
Sep 57

52, 386

Study of the Blue Products Obtained in the  
Reduction of Germanium Heteropoly Acids, by I.  
P. Alimarin, Z. F. Shakhova, R. K. Motorkina,  
4 pp.

Full tr

~~RUSSIAN~~  
~~RUSSIAN~~, thrice-no per, Dok Ak Nauk SSSR, Vol CVI,  
No 1, 1956, p 61.

41,579

Consultants Bureau

Sci - Chemistry  
Dec 56 CTS

The Oxygen-Containing Compounds Formed  
During the Synthesis of Hydrocarbons from  
Carbon Monoxide and Hydrogen Over an Iron  
Catalyst, by A. N. Bashkirov, M. I. Khotimskaya  
and N. A. Orlova, 3 4 pp.

Full tr

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR,  
Vol CVI, No 1, 1956, p 65.

41,580

Consultants Bureau

Eci - Chemistry  
Dec 56 CEB



Study of the Reactions of **ALIPH** Alcohols and Ketones  
with **IX** Pentaborane, by A. F. 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

#1,482

Sci - Chemistry  
Dec 56 CTS

The Relationship Between Structure, Color and Sub-  
stantivity of Dyes-Benzimidazole Derivatives, by  
B. M. Krasovitsky, B. I. Ostrovskaya, and D. G.  
Pereguslova, 4 pp.

Full tr

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol CVI,  
No 1, 1956, p 72.

Consultants Bureau

Sci - Chemistry  
Dec 56 CTB

41,485

Addition of Methylchlorosilane and  
Ethylchlorosilane to Allyl Halides, by  
V. A. Fomchenko, B. A. Scholov, Kh. M.  
Minachev and A. D. Petrov, 4 pp.

Full tr

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR,  
Vol CVI, No 1, 1956, p 76.

Consultants Bureau

41, 484

Sci - Chemistry  
Dec 56 CTB

The Vibrational Spectra of Olefins. Calculation  
and Interpretation of the Vibrational Spectra  
of Propylene and Deuteropropylene, by L. M.  
Sverdlov, 6 pp.

Full tr

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol CVI,  
No 1, 1956, p 80.

Consultants Bureau

Sci - Chemistry  
Dec 56 CIB

41,485

Study of the Transformations of Sodium Phosphotungstate  
Under the Influence of Sodium Hydroxide, by Vict.  
I. Spitsyn and S. A. Fabrikova, 4 pp.

Full tr

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol CVI,  
No 1, 1956, ~~XXXXX~~ p 84.

Consultants Bureau

41, #86

Sci - Chemistry  
Dec 56. CTS

The Chemistry of Piazothiole (3,4-Benzo-1,2,5-Thiadiazole), by ~~XXXXXXXX~~ A. M. Khaletsky, V. G. Pesin, and Chahao ~~XXXX~~ Chahai-Chahun, 4 pp.

Full tr

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol CVI, No 1, 1956, p 88.

~~SECRET~~

Consultants Bureau

Sci - Chemistry  
Dec 56 CTS

41,487

Investigation of Rectification in Spinning  
Rotor Columns, by V. A. Malusov, N. N. Uznik,  
N. M. Zhavoronkov, 4 pp.

Full tr

RUSSIAN, thrice-no per, Dok Ak Nauk SSR, Vol CVI,  
No 1, p 99.

1956

Consultants Bureau

41, 654

Sci - Chemistry  
Dec 56 CTS

Electrical Conductivity and Catalytic  
Activity of Silver Films, by G. D.  
Lyubarskiy, 8 pp. UNCLASSIFIED

RUSSIAN, per, Dok Ak Nauk SSSR, Fiz Khim,  
Vol I, 1956, pp 112-115. CIA 9030912

?

ACSIL Tr 1032

Sci - Phys  
Aug 58

70, 140



The Question of the Structural Relationship  
between Antigen and Antibody Molecules, by  
O. Viazov.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CX, No  
1, 1956, pp 119-121.

Natl Res Council  
C2345

Sci

72,792

Aug 58

Zeolites in the Mesozoic and Cenozoic Deposits of the Penza Area, by N. M. Strakhov, 4 pp.

RUSSIAN, per Dok Ak Nauk SSSR, Vol III, No 2, 1956.

SLA R-2772

Sci

Aug 58

72,766

Some Magnesium - Nickel Hydrated Silicates  
of the Nizhne - Tagilsk Serpentine Massif,  
by ~~XXXXXXXX~~ I. A. Rukavishnikova, 6 pp.

RUSSIAN, per, Doklady Akad Nauk SSSR, Vol  
II, 1956, p 124-127

SLA S 1662

Sci

Jul 58

68,799

Transformation of Fourier and Laplace Types by  
Means of Solutions of Differential Equations of  
Second Order, by B. Levin.

RUSSIAN, per, Dokl. Akad. Nauk SSSR, Vol 106,  
No 2, 1956, pp 187-190.

\*NASA TT F 13,296

sci/math

oct 70

On the Use of the Harmonic Linearization  
Method in the automatic Control Theory, by  
E. P. Popov, 6 pp.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR,  
Vol CVI, No 2, 1956, pp 211-214.

*Sci - Physics*  
NACA TM 1406

Sci - Physics  
Feb 1957/CTS

43,885

120  
Cross Sections of Inelastic Interactions Between 120  
and 380 Mev Neutrons and Nuclei, by V. I. Gol'danskiy,  
A. A. Koval'skiy, V. S. Pen'kina, E. Z. Tarumov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys Sec, Vol CVI,  
No 2, pp 219-~~222~~.

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

Sci - Phys

Aug 57

The Vertex Part in Scalar Electrodynamics in the  
Large Momentum Region, by A. A. Logunov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys Sec, Vol CVI,  
No 2, pp 223-~~226~~

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

Sci - Phys

Aug 57

On the Theory of Multilayer Two-Component Dielectric  
Coatings, by V. V. Sukhanovskiy, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys Sec, Vol CVI,  
No 2, pp 226-~~227~~

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

Sci - Phys

Aug 57



Some Optical Properties of New Rare Earth-Activated  
Zinc Sulfide Phosphors, by Z. A. Trapeznikova,  
V. V. Shchaenko, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys Sec, Vol CVI,  
No 2, pp 230-~~232~~

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

Sci - Phys

Aug 57

Certaines Proprietes Optiques Des Nouvelles  
Substances Luminescentes Au Sulfure De Zinc  
Activees Par Des Elements De Terres Rares.  
(Some Optical Properties of the New Zinc  
Sulfide Phosphors, Activated by Rare Earth  
Elements), by Z. A. Trapeznikova, V. V.  
Shchayenko (U. U. Tchaenko), 11 pp.

~~RME~~

FRENCH from RUSSIAN, per, Dok Akad Nauk SSSR  
Vol. CVI, 1956, pp 230-232.

Reverse Translation  
AEC/CEA-Tr-R313

The Production of High-Intensity Ultrasonic Vibrations for Action on Animal and Human Malignant Tumors, by A. K. Burov, 3 pp.

RUSSIAN, per, Doklady Ak Nauk SSSR, Vol CVI, No 2, 1956, pp 239-241. (16HL3R)

Assoc Tech Sv

Sci - Medicine  
Oct 57

54, 560

Electron Energy Levels and Interatomic Distances in  
Molecules, by F. M. Shifrin, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys Sec, Vol CVI,  
No 2, pp 233-~~238~~

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

Sci - Nuc Phys

Aug 57

Generalization of a Criterion for Checking  
the Interpretation of Gravity Observations,  
by Kh. L. Smolitskiy, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CVI, No 2,  
1956, pp 237, 238.

ATIC NCL-33/V

Eci - Geophysics

Aug 59

94,588

Mechanism of the Formation of Pulses in Semiconductor  
Crystal Counters, by S. M. Ryvkin,

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol CVI, No 2,  
1956, pp 250-253.

Assoc Tech Sv RJ435

\$7.35

36,957

PO Box 271, East Orange, NJ  
N. J.

Sci - Physics  
Aug 1956

APR 1956 36,957

(WFO 28010)

Mechanical Properties of Titanium Iodine, by B. M. Sabitkin, M. A. Tykhina, A. N. Tarasova, 9 pp.

RUSSIAN, three-mo per, Dok Ak Nauk SSSR, Vol  
CVI, No 2, Moscow, Jan 1956, pp 254-257.

CIA/WFO U-8301

38,214

Sci - Physics

Study of  $\beta$ -Ketophosphinic Acid Esters by the  
Bromine Titration Method, by B. A. Arbuzov,  
and V. S. Vinogradova, 4 pp.

Full tr

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol CVI,  
No 2, 1956, ~~XXXX~~ p 263.

Consultants Bureau

41,488

Sci - Chemistry  
Dec 56 CTS



Study of the System  $Al_2O_3-SiO_2-ZrO_2$ , by P. P. Rudnikov, and A. A. ~~XXXXXX~~ Litvakovsky, 4 pp.

Full tr

RUSSIAN, thrice-no per, Dok Ak. Nauk SSSR, Vol CVI, No 2, 1956, p 267.

*SLA 6-10000*  
Consultants Bureau  
*310/100-U-2, 202, 434*  
*41, 489*

Sci - Chemistry  
Dec 56 CIE

Production of *ga* P-methylstyrene From Asymmetric  
D, P-ditolylethane, by V. L. Valser, V. D. Rishov,  
S. Sh. Sobolina, 9 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol CVI,  
No 2, 1956, pp 271-274.

Sci Tr Center  
RT-3967

39,148

Sci - Chemistry  
Sep 56 CTB/dex

*Amelia ...*

The Reduction of Nitro Derivatives of 2,3-Diaryl-  
and 2-Aryl-3-Alkylindanes, by Ch. P. Ivanov  
and B. V. Aleksiev, 4 pp. <sup>1</sup>

Full tr

RUSSIAN, thence-no per, Dok Ak. Nauk SSSR, Vol CVI,  
No 2, 1956, p 275.

Consultants Bureau

44,490

Sci - Chemistry  
Dec 56 GTS

Cyanethylation of Ketones in the Synthesis of  
Unsaturated Lactones.  $\delta$ -Lactones with a  
Heptacyclic Double Bond, by R. Ya. Levina,  
N. P. Shusherina, M. Yu. Larye, and N. D.  
Orlova, 4 pp.

Full tr

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol CVI,  
No 2, 1956, p 279.

Consultants Bureau  
~~XXXXXXXXXXXXXXXXXXXX~~

Sci - Chemistry  
Dec 56 CTS

41,491

Chromatographic Separation of Isomeric Sulfur-  
Containing Organic Compounds,  $C_8H_{18}S$ , With the use  
of Radioactive Sulfur, by R. D. Obolentsev,

RUSSIAN, *CVI* ~~three-mo per~~, Dok Ak Nauk SSSR, No 2,  
1956, pp 283-285. *1*

Assoc Tech Sv  
RJ-410

Sci - Chemistry

*37,110*

Aug 1956

\$4.90

Study of the System  $\text{Ni-S}$  from 30.0 to 50.0  
Atomic % S, by M. A. Sokolova 4 pp.

Full tr

RUSSIAN, thrice mo per, Dok Ak Nauk SSSR, Vol CVI,  
No 2, 1956, p 286.

Consultants Bureau

41, 492

Sci - Chemistry  
Dec 56 OTS

Study of the Reaction of Ammonia with the Halides  
of Divalent Metals in Aqueous Medium; the Solubility  
of Cadmium Chloride in Aqueous Ammonia Solu-  
tions, by G. G. Urasov and A. K. Kirakosyan, 4 pp.

Full tr

RUSSIAN, thrice-no par, Dok Ak Nauk SSSR, Vol CVI,  
No 2, 1956, p 290.

Consultants Bureau

41,493

Sci - Chemistry  
Dec 56 OTB

Kinetics of the Thermal Decomposition of Butyl Bromide, by G. B. Sergeyev, 10 pp. UNCL

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CVI, No 2, 1956, pp 299-302.

*with the Council of Sci*

Sci Mus Lib 58/1418

Sci - Chem  
Mar 59

S-LA R-3438

82,441



Study of the Structure of Polymers in Solutions  
in the Presence of Precipitants by the Light  
Scattering Method, by I. G. Soboleva, et al.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol CVI,  
No 2, 1956, pp 303-306.

Assoc Tech Sv RJ-521  
\$5.75 (\$1.60)

Sci - Chemistry  
Apr 1957 CTS/dex

46,779

The Helium Content of Some Stony Meteorites, by  
V. V. ~~Chudintsev~~ and K. K. Abdulgafarov, 2 pp.

Full tr

RUSSIAN, zhurno-mo per, Dok Ak Nauk SSSR, Vol CVI  
No 2, 1956, p 311.

Consultants Bureau

Sci - Geophysics  
Dec 56 CTS

41, 657p

The Genesis of Lower Cambrian Dolomites of the Alcan  
Region of the Yakut ASSR, by Yu. A. Khodak.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol CVI,  
No 2, 1956, pp 328-330.

36117  
Assoc Tech Serv RJ-376

Scientific - Geophysics

Jun 56/dex

61-15880

Senkevich, M.  
NEW DATA ON THE FLORA OF THE MIDDLE  
DEVONIAN OF NORTH KAZAKHSTAN. 1 Apr 60  
[7]p. (1 fig. omitted) 1 ref.

Order from OTS or SLA \$1.10      61-15880

Trans. of Akademiya Nauk SSSR. Doklady, 1956,  
v. 106, no. 2, p. 343-344.

DESCRIPTORS: \*Geological survey, \*Plants, Classi-  
fication, Geological time.

(Earth Sciences--Geology, TT, v. 7, no. 6)

I. Senkevich, M.  
II. Geological Survey of  
Canada

Office of Technical Services

Restoration of Chlorophyll Molecules in Leaves, by  
V. M. Kutyrin, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CVI, 1956,  
pp 355-357.

SLA Tr R-1342

Sci

Jun 58

65,831

Fundamental Formula in the Theory of FC  
Irreversible Thermodynamic Processes, by K. A.  
Popov, 7pp  
RUSSIAN, per, Doklady Akademiya Nauk SSSR,  
Vol 106, 1956, No 3, pp 422-424  
SIA TT-64-18605

Sci - Hy  
May 67

326,559

On Constructing Discontinuous Solutions of  
Quasilinear, by D. A. Ladyzhenskaya.

RUSSIAN, per, Dok Ak Nauk, Vol CVI(106),  
No 3, 1956, pp 291-294.

\*AEC/UCRL

Sci - Math

May 63

63-14480

Zuhovotskii, S. I. and Stechkin, S. N.  
APPROXIMATION OF ABSTRACT FUNCTIONS WITH  
VALUES IN THE HILBERT SPACE. [1963] [8]p.

10 refs.

Order from OTS or SLA \$1.10

63-14480

I. Zuhovotskii, S. I.  
II. Stechkin, S. N.

Trans. of Akademiya Nauk SSSR, Doklady, 1956,  
v. 106, no. 3, p. 385-388.

DESCRIPTORS: \*Functional analysis, \*Polynomials,  
Complex numbers, Real variables, Operators  
(Mathematics), Topology.

(Mathematics, TT, v. 10, no. 2)

Office of Technical Services



Transformation of the Equations of the Turbulent  
Boundary Layer in a Gas to Linear Ordinary  
Differential Equations and Their Solution in Finite  
Form, by L. E. Kalikhman, 7 pp.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol CVI,  
No 3, 1956, pp 401-404.

Morris D. Friedman

\$3.50

34,943

Sci - Physics  
Jun 56 CIB/dex

CSIRO 3270

Fast Particle Absorption Cross Section of Semitransparent  
Nuclei, by S. I. Drozdov, 5 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys Sec, Vol CVI,  
No 3, pp 409-~~414~~

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

Sci - Phys

Aug 57

Nonlinear Generalization of the Dirac Spinor Equation,  
by D. Ivanenko, M. Mirjanashvili, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys Sec, Vol CVI,  
No 3, pp 413-~~414~~

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

Sci - Phys

AUG 54

Atomic Nickel Centers in NaCl-Ni Phosphors, by  
M. L. Kats, B. Z. Semenov, 4 pp

RUSSIAN, per, Dok Ak Nauk SSSR, Phys Sec, Vol CVI,  
No 3, pp 415-~~418~~

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

Sci - Phys

Aug 57

Temperature Hysteresis of the Galvanomagnetic Effect,  
by L. V. Kirensky, V. F. Ivlev, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys Sec, Vol CVI,  
No 3, pp 419- ~~421~~

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

Sci - Phys

Aug 57

Observation of Generation and Decay of Unstable  
Particles in an Emulsion Chamber, 2 pp.  
by V. V. Alpers, I. I. Gurevich, L. V. Surkova

RUSSIAN, thrice ~~per~~ mo per Dok Ak Nauk, SSSR,  
T. 108, No. 3 (1956), pp. 421-4

CIA/FDD 7-329  
D.S.I. 225

Sci - *Alpers*  
Mar 57

On a Single Basic Equation in the Theory of  
Irreversible Thermodynamic Processes, by Kiril A.  
Fopov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys Sec, Vol CVI,  
No 3, pp 422-~~427~~

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

Sci - Phys

Aug 57

Solution of the Problem of the Motion of Three  
Nucleons in the Limiting Case of Shortrange Forces,  
by G. V. Skornjakov, K. A. Ter-Martirosian, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys Sec, Vol CVI,  
No 3, pp 425-~~428~~

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

Sci - Phys

Aug 57



The Classification of Nonlinear Equations and of Relativistically Invariant Interactions According to Representations of the Lorentz Group and the Theory of Fusion, by G. A. Sokolik, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys Sec, Vol CVI, No 3, pp 429-~~433~~

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

Sci - Phys

Aug 57

Intensity Distribution in the OF-Band of the Spectrum  
of Combination Scattering by a Crystal of Gypsum, by  
A. I. Stekhanov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys Sec, Vol CVI,  
No 3, pp 433-~~434~~

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

Sci - Phys

Aug 57

An Electron Microscopic Study of Thin Films of  
Antimony by the Dark Field Method, by I. G. Stoyanova,  
3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys Sec, Vol CVI,  
No 3, pp 437-~~442~~

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

Sci - Phys

Aug 57

Certain Questions Related to the Interpretation  
of the Star-Twinkling Phenomenon, by  
F. P. Yudalevich, 6 pp.

RUSSIAN, thrice-a-month per, Dok Ak Nauk SSSR, Vol GVI,  
No 3, 1956, pp 441-444.

<sup>3</sup>  
Morris D. Friedman I-115

\$3.00

34,940

Scientific - Physics  
Jun 56 CTS/dax

Formula to Compute the Frequency of a Toroid  
Resonator, by V. A. Tepliakov, B. K. Shembel, 8 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CVI, No 3,  
1956, pp 443-446.

SLA Tr R-843

Sci - Physics

52,349

Sep 57

Action of High-Intensity Ultrasound Vibrations  
on Malignant Tumors of Animals and Man, by A. K.  
Burov, G. D. Andreyevskaya

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol  
CVI, No 3, 1956, pp 445-448.

NIH 9-49 (translated by  
commercial source - will be purchased by NIH and  
available if interest is shown)  
Sci. - Medicine

44, 487

The Preparation of Uniaxial Crystals of  
Synthetic Corundum, by N. Y. Wilkornikova  
and A. A. Popova, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CVI, No  
3, 1956, pp 460, 461.

SLA/ATS-43J17R

*Asso Tech Serv*

68, 433

11-17613

Sci

Jul 58

Ultraviolet Absorption Spectra of Some  $\beta$ -Keto  
Phosphinic Acid Esters, by B. A. Arbusov and V. S.  
Vinogradova, 4 pp.

Full tr

RUSSIAN, thrice-no par, K Dok Ak Nauk SSSR, Vol CVI,  
No 3, 1956, p 465.

Consultants Bureau

41,494

Sci - Chemistry  
Dec 56 OTS



Synthesis of Aliphatic Tertiary Amines from  
Thiophene Derivatives, by Ya. L. Goldfarb and  
M. B. Ibragimova, 4 pp.

NR Full tr

RUSSIAN, thrice-no per, KB Dok Ak Nauk SSSR, Vol CVI,  
No 3, 1956, p 469.

Consultants Bureau

41,495

Sci - KB Chemistry  
Dec 56 CTS

On the Imides of Alkylphosphorous Acids,  
Trialkylphosphate Azins, by M. I. Kabachnik,  
V. A. Gilyarov.

RUSSIAN, thrice-no per, Dok Ak Nauk, Vol CVI,  
No 3, 1956, pp 473-475.

T.I.L. T.4691

Sci - Chemistry

36,913

Aug 1956

*Chemical Abstracts*  
*SLI 36,913*

Ternary and More Complex Solid Solutions of  
Intermetallic Compounds, by I. I. Kornilov,  
4 pp.

Full tr

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol CVI,  
No 3, 1956, p 476.

Consultants Bureau

44,496

Sci - Chemistry  
Dec 56 CIB

Alkylation of Aromatic Hydrocarbons with  
Boric Acid Esters, by V. K. Baskov and B.  
M. Sheiman, 4 pp.

Full tr

~~RUSSIAN~~ RUSSIAN, thrice-no per, Dok Ak Nauk  
SSSR, Vol CVI, No 3, 1956, p 479.

Consultants Bureau

Sci - Chemistry  
Dec 56 CIB

41,497

Synthesis of Esters of  $\alpha$ -Phenyl-<sup>B</sup>-Aryl-<sup>B</sup>-Alkylamino-  
Propionic Acids from Arylidemethylamines and  
Ethylhexyl Acetate in the Presence of Anhydrous  
Aluminum Hexa Chloride, by N. M. Mollov.

Full tr

~~RUSSIAN~~ RUSSIAN, thrice-no per, Dok Ak Nauk SSSR,  
Vol CVI, No 3, 1956, p 482.

44, 498

Consultants Bureau

Sci - Chemistry  
Dec 56 GIB

Determination of the Specific Surface of Porous  
Electrodes by Capacity Measurement, by O. S.  
Khasenzhek, V. V. Stender, 4 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol. CVI,  
No 3, 1956, pp 487-490.

*S.L.A.-R-229*

No

Navy Tr /1361/MRL 573

Sci - Electricity  
Oct 1956 CTS/dcx

*39,801*

63-17295

Matveevskii, R. M.  
EFFECT OF LOW TEMPERATURES ON THE  
LUBRICITY OF MINERAL OILS. [1963] 5p.  
Order from S. H. 55391      K. H. 7082 a

R. Matveevskii, R. M.  
K. H. 7082 a  
M. Foreign Hacker Science  
Library Associates,  
1211 G Street, N.W.  
Washington, D.C.

Trans. of Akademiya Nauk SSSR, Doklady, 1976,  
v. 10, no. 3, p. 494-496.  
Another trans. is available from ATS as BJ465.

DESCRIPTORS: Temperature, \*Lubricants, \*Mineral  
oils, Physical properties.

*TT v. 10, no. 3*

(Materials - Lubricants, TT, v. 10, no. 3)

Office of Technical Services

Absorption and Sensitization Spectra of 5,5'-  
dihalogen-Substituted Thiocarbonylmines, by  
S. V. Matanson, 7 pp.

RUSSIAN, per. Dok. Ak. Nauk SSSR, Vol. CVI, No. 3,  
1956, pp. 497-500.

SLA 59-15178

CIA/FDD/XX-708

NLL M. 244 103,108

Sci  
Dec 59  
Vol 2, No 4



Iron Sulfide and Hydrogen Sulfide in the  
Bottom Deposits in the Northwestern Part  
of the Pacific Ocean, by E. A. Ostroumov and  
V. M. Shilov, 4 pp.

Full tr

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, ZHX  
Vol CXX, No 3, 1956, p 501.

Consultants Bureau

Sci - Geophysics  
Doc 56 QTS

41, 657

Action of Purified Hormones of the Pituitary  
Body Upon Fish Ovaries, by L. D. Kirschenblatt.

RUSSIAN, per, Dok Ak. Nauk. SSSR, Vol. XXI, No. 2,  
1956, pp 504-506.

INSIDOC/T. 5056

Sci-3101  
July 65

The Utilization by Plants of ~~the~~  $C^{14}O_2$  in Various  
Lighting Conditions, by N. P. Voskresenskaya, G. S.  
Grishina, 7 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CVI, No 3, 1956,  
pp 565-568.

Sci Mus Lib Tr 57/0225

Sci - Chem  
Jun 57

48,456

Electrical Activity and Impedance of the Cerebral  
Cortex, by G. D. Smirnov, N. A. Aladzhalova, 10 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CVI, No 3, 1956,  
pp 573-576. CIA 9032371

NIH

Sci - Medicine  
Sep 58

73,967

On the Calculation of Eigenvalues of the Laplace  
Operator by the Method of Grids, by  
D. P. Grossman, 7 pp. POST EDITED

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CVI, No 4,  
1956, pp 595-597. 9693211

FTD-MT-63-328  
GOV'T USE ONLY

Sci - Math & Data Proc  
Jul 64

263,711

<sup>6</sup>  
Heterogeneity of the Solar Chromosphere and the  
Problem of Excitation of Helium, by V. Zhurav

RUSSIAN, per, Dokl Ak Nauk SSSR, Vol CVI, No 4,  
1956, pp 619-622.

OSIRO-3308  
SLA R-3946  
\*ATIC P-25-9611/0

Sci  
Jul 59

83,051

The Structure of Simple Liquids, by A. E. Glauber  
V. P. Tsvetkov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys Sec, Vol ~~IV~~ CVI,  
No 4, pp 623-~~625~~

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

Sci - Phys

Aug 57

Equally Allowed Beta Transitions, ~~By E. A.~~  
by B. S. Dzhelepov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys Sec, Vol CVI,  
No 4, pp 626-~~627~~.

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

Sci - Phys

Aug 57



Relative Intensity of the Fine Structure Components  
of He II  $\lambda$  4686 A, by P. S. Kireyev, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys Sec, Vol CII,  
No 4, pp 630-~~631~~,

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

Sci - Phys

Aug 57

Photofission Cross Sections of Uranium and Thorium,  
by V. A. Korotkova, P. A. Cherenkov, I. V. Chuvilo,  
4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys Sec, Vol CVI,  
No 4, pp 633-~~636~~

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

Sci - Phys

Aug 57

The Density Dependence of the Index of Refraction  
at Low Frequencies of Sound, by G. P. Motulevich,  
I. L. ~~Rebelinskiy~~, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys Sec, Vol CVI,  
No 4, pp 637-~~640~~.

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

Sci - Phys

Aug 57

The Measurement of Ion Masses by the Use of  
Electric Fields, by V. B. Fike, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys Sec, Vol CVI,  
No 4, pp 645-~~646~~.

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

Sci - Phys

Aug 57

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-~~648~~

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

Sci - Phys

Aug 57

Electrophotometric Investigation of Atmospheric Ozone  
During Solar Eclipses on February 25, 1952, and June  
30, 1954, by Sh. A. Bezverkhniy, A. L. Osherovich,  
S. F. Rodionov.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol CVI,

No 4, 1956, pp 651-654.

\*ATIC F-TS-9633/V  
*Wagner*

Sci - Astronomy

A New Method for Investigating the Chemical  
Composition in Micro-Volumes of an Alloy, by I.  
Borovskiy, N. Il'in.

RUSSIAN, per, Doklady Akad. Nauk SSSR, Vol. CVI,  
No 4, 1956, pp 655-667.

Sci - Chemistry  
Feb 58

5  
UKSM CB 4. T/1009

58, 539

MAR 58

6/14

Use of Radioactive Isotopes for the Measurement  
of Gas Flow Velocity and for the Automatic  
Control of Gas Flow by the Method of "Tagged  
Molecules", by N. N. Shymilovskiy, L. V.  
Meltzer.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol  
CVI, 1956, (No 4) pp 661-664.

DSIR/28609/CT

Sci - Physics  
Oct 57

53,888



Isothiocyanonitro- and Isothiocyanohalo-~~III~~ Bis-  
Dimethylglyoximicobaltic Acids, by A. V. Ablor, N. M.  
Sawoc, and N. S. Popov, 4 pp.

Full tr

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol CVI,  
No 3, 1956, p 665.

4

41,499

Consultants Bureau

Sci - Chemistry  
Dec 56 CTS

Condensation of Benzaldehyde with Bromoacetic Acid,  
by N. S. Vulfson, and L. Kh. Vinograd, 2 pp.

Full tr

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR,  
vol CVI, No 4, 1956, p 669.

Consultants Bureau

41,500

Sci - Chemistry  
Dec 56 CTS

Aromatic Hydrocarbons in Bavlinsk Kerosene,  
by E. A. Robinson and O. M. Grishina, et al.

Full tr

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR,  
Vol CVI, No 4, 1956, p 671.

41,501

Consultants Bureau

Sci - Chemistry  
Dec 56 CTS

Synthesis of  $\alpha$ -Substituted  $\alpha$ -Amino Acids and Their  
Derivatives, by M. M. Shevchuk, E. S. Choman  
and L. I. Denisova, 4 pp.

RI Full tr

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol CVI,  
No 4, 1956, p 675.

41,502

Consultants Bureau

Sci - Chemistry  
Dec 56 CTB

A Possible Mechanism of Degenerate Branching in  
Hydrocarbon Oxidation Reactions, by V. V. Vovkovod-  
skiy, V. I. Vedeneyev.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CVI, No 4,  
1956, pp 679-682.

Assoc Tech Sv RS-508

Sci - Chemistry

41,545

SLA R-901

On the Relation Between the Chemical and Mechanical  
Strength of Very Hard Solids, by B. F. Ormont.

RUSSIAN, per, Doklady Ak Nauk SSSR, Vol CVI, No 4,  
1956, pp 687-690.

United Kingdom Scientific Mission

SLA

Sci - Chemistry  
Oct 57

54, 444

OTB 63-17001

Distribution of Rare Earths in Monazites from  
Granitoids, by E. E. Vainshtein, A. I. Tugarinov  
and N. V. Turanskaya, 2 pp.

Full tr

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR,  
Vol CVI, ~~HEXTECHNIK~~ No 4, 1956, p 691.

Consultants Bureau

Sci - Geophysics  
Dec 56 CTB

41,658

Azo Dyes with Polysulfonamide Diazonium Components,  
Ya. P. Berkman and B. Yu. Gordinuk, 6 pp.

Full text

RUSSIAN, three-no per, Dok Ak Nauk SSSR, Vol 67, No 5, p 692.

1956

Consultants Bureau

Sci - Chemistry  
Doc 56 CHE

41, 1052



Reduction of Oxides of Iron by Gases, by V. V.  
Kondakov, Z. F. Chukhanov.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol CVI,  
No 4, 1956, pp 697-700.

Brutcher Tr 3768

Sci - ~~Chemistry~~ *min/metals*

Aug 1956

*37,4/6*

\$2.75