

Influence of Titanium on Some Properties of Silicate Glasses, by M. A. Bezborodov et al.

RUSSIAN, thrice no per, Dok Ak Nauk SSSR, Vol CIII, No 6, 1955, pp 1073-1076.

Co-Op Trans Sch Tr 292  
£1. 4s.

Sci - Chemistry  
Feb 1957 CTB/dex

43,947

The Northern End of the Hawaiian Suboceanic Ridge,  
by P. M. Bezrukov, G. B. Udintsev, 5 pp.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol CIII,  
No 6, 1955, pp 1077-1080.

DRB-T-205-R  
Sci Tr Ctr RT-3468

Scientific - Geophysics

34,919

May 56 CRS/dex

About the Role of Dolomite and Magnesite  
in Salt-Bearing Beds, by Y. Y. Yarzhenskij,  
5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CIV,  
1955.

SLA R-2682

Sci

Aug 58

72,767

Table of Contents

Dok Ak Nauk SSSR, Vol 104, No 1-6, 1955

Morris D. Friedman

X-2326

A Case of Fission of a Uranium Nucleus into  
Four Fragments of Comparable Mass, by Yu. S.  
Ivanov.

RUSSIAN, per, *Izvestiya* Dok Ak Nauk SSSR, Vol CIV,  
1955, pp 40-43.

AEC Tr 2363

Sci - Nuclear Physics, Minerals/Metals

*RT 3-64*  
*30,904*

On the Diamagnetism of Superconductors, by Yu. L. Klimontovich, 5 pp.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol CIV, No 1, 1955, pp 44-46.

Morris D. Friedman  
\$2.50 K-123

Sci - Physics  
Dec 56 CTS

41,472

Renormalization of Meson Charge in Pseudo-  
scalar Theory With Pseudoscalar Coupling, by  
I. Pomeranchuk, 3 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,  
CIV, 1955, pp 51-53.

Sci - Physics

AEC Tr 2355

SLA 61-17503

3 0053  
,

Inelastic Scattering of Electrons in Nickel and Molybdenum, by A. R. Shulman, I. I. Farbenstein, 4 pp.

RUSSIAN, thrice-no per, Dok Ak Nauk, SSSR, Vol CIV, No 1, 1955, pp 56-59.

JKA 61-17504  
US Dept of ~~State~~ Commerce  
Nat'l Bureau of Standards

Sci - Nuclear Physics  
Dec 56 CTS

44,184

Influence of Surface-Active Agents on the  
Dimensions of Chip Elements, by G. I.  
Epifanov.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR,  
Vol CIV, No 1, 1955, pp 68-71.

CFSTI AT-64-18361  
Henry Bratcher Tr 3719

Sci - Minerals/Metals, Chemistry

May 1956

\$2.90 34,890

S-2027

RUSSIAN, per, Doklady Akad. Nauk SSSR,  
Vol. CIV, no 1, 1955, pp 60-63.

Liquid Inclusions in Artificial Quartz, by  
V. P. Butuzov, N. I. Ikornikova, 7 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,  
Vol CIV, No 1, 1955, pp 76, 77.

SLA R-1206

May 58

68,905

The Crystal Structure of the Compounds  $\text{CrBo}_{12}$ ,  
 $\text{VBo}_{12}$  and  $\text{NbBo}_{12}$ , by P. I. Kripyakevich, B. I.  
Gladyshevskiy.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CIV, No 1,  
1955, pp 82-84.

AEC DC-53-11-114 - 9227619  
UKSM GB 4.T/999

Sci - Chemistry  
Oct 57

54,119

On a New Kurnakov-Type Compound  $Fe_3V$  in the System  
Iron Vanadium, by I. Kornilov, V. Mikheyev,

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CIV, 1955, PP  
88-90. GB 4

UKSM Tr 1000

Sci - Chem

Feb 58

58, 445

Surface Tensions of Alkali Metals Amalgams at  
Limiting Dilutions, by P. Pugachevich, O. A.  
Timofeevicheva, 7 pp.

RUSSIAN, per, Doklady Akad Nauk BSSR, Vol CIV, No. 1,  
1955, pp 98-100.

SIA R-1129

Sci - Chemistry  
Mar 58

60,002

Kinetics of Autoxidation of Cumene and Peculiarities  
of Action of Phenol Additions, by D. K. Tolopko.

RUSSIAN, Zhurnal Khimicheskoi Fiziki, <sup>Vol</sup> Dok Ak Nauk SSSR, XIV, No 1,  
№ 1955, pp 101-103.

Assoc Tech Sv

~~XXXXXXXX~~  
RJ-344

Sci - Chemistry

Aug 1956

36,997

\$5.20

The Clarke of Beryllium in Granitic Pegmatites,  
by A. A. Beus, and S. H. Fedorchuk, 12 pp).

RUSSIAN, per, Doklady Akad Nauk SSSR, Vol CIV,  
1955, p 108-111.

SLA R 1654

Sci

Jul 58

68,765

On the Rate of Decomposition of the Phyto-  
Planktonic Organic Matter in Taganrog Bay,  
by T. I. Gorshkova. UNCL

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CIV,  
No 1, 1955, pp 112-117.

DSIR LIU RFS M.924

(loan)

Sci - Biol  
Feb 60

107,691

A Geochemical Prospecting Method for Pyrite  
Deposits, by N. D. Sidorova, 2 pp.

RUSSIAN, per, Doklady Akad Nauk SSSR, Vol CIV,  
No. 1, 1955, p 114.

SIA R 1653

Sci

Jul 58

68,805

Macropolygonal Structure of Clay Plains, by  
B. V. Vinogradov.  
RUSSIAN, per, Doklady AN SSSR, Vol 104, 1955,  
pp 118-120.  
\*AFCRL

Sci-Ear Sci  
Aug 68

On Production of Phytoplankton in the  
North-Western Zone of the Pacific Ocean,  
by V. G. Bogorov, et al.

RUSSIAN, per, ~~Dok Ak Nauk SSSR~~,  
Vol CIV, No 1, 1955, pp 141-143.

CSIRO

Sci - Geophys

Mar 62

*188,532*

*100-100-110*

61-18302

I. Lyashchenko, N. Ya.

Lyashchenko, N. Ya.  
THE QUESTION ON THE ASYMPTOTIC STABILITY  
OF THE SOLUTIONS TO NONLINEAR SYSTEMS OF  
DIFFERENTIAL EQUATIONS. [1961] [6]p. 6 refs.  
Order from OTS or SLA \$1.10    61-18302

Trans. of Akademiya Nauk SSSR, Doklady, 1955,  
v. 104, no. 2, p. 177-179.

DESCRIPTORS: \*Non-linear differential equations,  
Integral equations, Numerical analysis.

Several theorems on the asymptotic stability of certain  
solutions of nonlinear differential equations are pre-  
sented. The main hypothesis is that the real parts of  
the characteristic roots of the time dependent matrix  
coefficient of the linear term be negative. Other  
hypotheses relate to the size of the Lipschitz constant  
for (basically) higher order terms. (Translator)  
(Mathematics, TT, v. 6, no. 10)

Office of Technical Services

On the Study of Symmetric Boolean Functions From  
the Relay-Switching-Circuit Theory Viewpoint,  
by G. N. Povorov, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CIV, No 2,  
1955, pp 183-185.

SLA 62-33208  
MDF P-121

Sci - *Phys*  
Jul 61

161,393

The Velocity Distribution Function for  
Electrons in a Variable Electric and Constant  
Magnetic Field, by A. V. Gurevich, 5 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk. SSSR,  
Vol CIV, No 2, 1955, pp 201-204.

*Sci Mus Lib No 56/3060*  
Sci Tr Center RT-4647 *54-1-547*

Scientific - Physics  
Jan 57 CIS

*42,300*

Investigation of the Magnetic Structure of Iron  
Silicide Crystals by the Powder Diagram Method, by  
Ya. S. Shur, V. R. Abel's, 4 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol CIV,  
No 2, 1955, pp 209, 210.

Morris D. Friedman

\$2.00 5-109

41,455

Sci - Physics  
Dec 56 CTS

SLA R-2073

Influence of the Ratio of Areas of Friction Upon  
Wear, by D. N. Garkunov.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol CIV,  
No 2, 1955, pp 227, 228.

Brutcher Tr 3764

Sci - Physics

TT-64-18389

Aug 1956

37,400

\$1.50

Cyclic Relay Circuits and Analytic Relations  
Therein, by V. I. Ivanov, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CIV,  
No 2, 1955, pp 239-241.

MDF I-110  
9092801

Sci

*172,835*

Nov 61

*R*

(NY-5592)

On the Theory of Explosion Processes, by N. S.  
Akulov, 10 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol 104, No 3,  
Sep 1955, pp 376-379.

JPRS 7989

Sci - Physics

Apr 61

146,655

Flow Pressure, Compressibility, and  
Stress Relaxation in the  $\text{NR}_4\text{NO}_3$ - $(\text{NR}_4)_2\text{SO}_4$   
System, by I. Ya. Leskovich, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CIV,  
No 2, 1955, pp 249-252.

OTS 60-17713

Sci  
Mar 62  
Vol 4, No 4

187,758

Participation of the Oxygen of Water and Atmospheric  
Oxygen in Plant Respiration, by B. B. Vartapetyan,  
A. L. Kursanov, 6 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CIV, 1955,  
pp 272-275.

SLA Tr R-1336

Sci

Jun 58

65,857

Investigation on the Effect of Hypoxia on Levels  
of Nucleoproteins in Cell of Cerebral Cortex by  
Methods of Ultraviolet Microscopy, by E. M. Kreps,  
E. Cenikseva, 8 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LIV, 1955,  
PP 276-279.

NIH 11-27

Sci - Med  
Dec 58

77,408

Histological Studies of Annual Changes in Thyroid Gland of the Pike and Neurosecretory Activity of the Hypothalamic Nuclei Under Seasonal Changes Occurring in the Thyrotropic Function of the Hypophysis, by A. V. Zaitsev, 6 pp.

RUSSIAN, thrice-a-year, Dok Ak Nauk SSSR, Vol CIV, No 2, 1955, pp 315-318.

SLA 59-22704  
Sci Mus Lib No 56/3069

Sci - Biology

44,040  
/

To the New Phenomenological Theory of Superconductivity  
by Yu. L. Klimontovich, 5 pp.

RUSSIAN, thrice-a-month, Dok Ak Nauk SSSR, Vol CIV,  
No 3, 1955, pp 384-386.

Morris D. Friedman  
\$2.50

K-124

Sci - Physics  
Dec 56 CTS

41,473

SIA 62-20285

The Dielectric Constant of Barium Titanate,  
by I. P. Kozlobayev. UNCLASSIFIED

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CIV,  
pp 387, 388.

Sci Mus Lib Tr 57/2546

Sci - Chem  
Sep 58

73,139

Dependence of the Magnetic Viscosity of the Specimen  
Dimensions, by A. N. Remizov, 4 pp.

RUSSIAN, thrice-a-week per, Dok Ak Nauk SSSR, Vol CIV,  
No 3, 1955, pp 389, 390.

Morris D. Friedman  
\$2.00

*R-102*

*41, 476*

Sci - Physics  
Dec 56 CTS

Usova, I. N.  
DETERMINATION OF THE CENTER OF NARROW  
AXIALLY-SYMMETRIC  $\gamma$ -RAY BEAMS USING SEC-  
TORED IONIZATION CHAMBERS. 4p. 1 ref.

MTWL: 1003.

Order from OTS or ETC \$1.40

61-17500

Trans. of Akademiya Nauk SSSR. Doklady, 1955,  
v. 104, no. 3, p. 391-392.

DESCRIPTORS: \*Gamma rays, Beams, Synchotrons,  
\*Ionization chambers.

61-17500

I. Usova, I. N.  
II. MTWL-1003  
III. Stichting Moeilijk  
Toegankelijke Wetenschap-  
pelijke Literatuur

Office of Technical Services

On the Existence of Penetrating Pairs, by A. V.  
Khrinyan, 11 pp.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR,  
Vol CIV, 1955, pp 393-396.

AEC Tr 2488

Sci - Physics

36,585

Jul 1956

Influence of Temperature Upon the Graphitisation  
of Coke, by N. F. Kunin, S. V. Shulepov

RUSSIAN, ~~thrice-no per~~, Dok Ak Nauk SSSR, ~~MatxERIK~~  
Vol CIV, & No 3, 1955, pp 401-404.

Brutcher Tr 3784  
\$3.80

Sci - Min/Metals  
Sep 56 CTS

38,529

On the Interaction of Twins in Bi, Zn and Sb,  
by V. I. Startsev, V. M. Kosevich, 4 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk, Vol CIV,  
1955, p 413.

AEC 3336  
CIA/FDD/X-1982

Scientific - Min/Metals

Jan 56 CTS/DEX

30,767

The Reaction Between Organic Sulfur Compounds and  
an Iron Contact Catalyst, by A. N. Bashkirov, N. L.  
Barabanov.

RUSSIAN, thrice-to per, Dok Ak Nauk SSSR, Vol CIV,  
No 3, 1955, pp 415-417.

Sci - Chemistry

AUG 1956

37,007

Assoc Tech Sv  
RJ-354

\$4.20

*Library of Congress  
2000-01-11  
2000-01-11*

Theory of Compensation of Space-Charge in Steady-  
Flow Ion Beams, by V. B. Anastasevich

*Chis-mo*  
RUSSIAN, *aper*, Dok Akad Nauk, Vol CIV, No 3, 1955,  
pp 442-444.

Def Sci Info Sv  
DHS, Canada, T 208R

Scientific - Geophysics

36,620

Neotectonic Movements in the Arctic Regions,  
by. D. G. Panov, 5 pp.

RUSSIAN, thric-no per, Dok Ak Nauk SSSR, Vol CIV,  
No 3, # 1955, pp 462-465.

Sci Tr Center RF 3467

Scientific - Geophysics    36,164

June 56 CTS

DRB T204R

On the Preservation of Asymptotic Stability in  
Transition From Differential Equations to the  
Corresponding Difference Equations, by M. A.  
Skalkina, 6 pp.

RUSSIAN, ~~thrice-mo per~~, Dok Ak Nauk SSSR, Vol  
CIV, 1955, pp 505-508.

AEC Tr 2687

Sci - Mathematics  
Jan 57 CTS

42,189

Sci mus Lib 57/0219

On an Integral of the Equations of Unsteady,  
Adiabatic Gas Motion, by B. P. Korobeynikov, 6 pp.

RUSSIAN, thrice-a-year, Dok Ak Nauk SSSR, Vol CIV,  
No 4, 1956, pp 509-512.

Morris D. Friedman *K-158*  
\$3.00

Sci - Physics

*38,246*

Hydraulic Resistance of Mixed Gas-Liquid Streams in  
Horizontal Pipes, by N. I. Semenov.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol CIV, No 4,  
1955, pp 513-516 516.

Co-Op Tr Sch Tr 257  
\$1.12s.

Sci - Physics

42,326

Results of Observations of Discrete Sources  
of Cosmic Radiation at 3.2 CM. Wavelength,  
by N. L. Kaidanovki, N. S. Kardashev, I. S.  
Shklovskiy 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CIV,  
No 4, 1955, pp 517-519.

Navy Tr 1289/NEL 550

Sci - Physics

31, 9 18

UKS/M No 3120

(Part I)  
Cohesion of Frozen Soils, by S. S. Vialov.  
thrice-mo  
RUSSIAN, Tr. Dok Akad Nauk, Vol CIV, No 4, 1955,  
pp 527-529.

*Handwritten notes:*  
Def Sci Info Sv  
DRB, Canada, T 203R

Def Sci Info Sv  
DRB, Canada, T 203R

Sci - Geophysics

36,618  
1959/1/38

On the Relation of the Magnetic Characteristics of  
Magnetically Soft Alloys to the Lamina Thickness,  
by E. I. Gurvich, E. Kondorakiy, 5 pp.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol CIV,  
No 4, 1955, pp 530-532.

Morris D. Friedman  
\$2.50

Sci - Physics  
Dec 56 CTS

41,477 G-133

SLAR-2072

Kinematic Scattering of electrons by an Ideal  
Monocrystal, by S. Vainshtein.

RUSSIAN, per, Doklady Akad Nauk SSSR, Vol CIV, No 4,  
1955, pp 537-539. ~~9070257~~

URSM Ref No 3236

Sci - Electronics  
Jan 58

58, 198

Geometric Interpretation of Zachariassen's  
Statistical Equation, by N. E. Golovinskiy,  
B. V. Bolov, 7 pp.

RUSSIAN, three-pp per, Dok Ak Nauk SSSR, Vol CIV,  
No 4, 1975, pp 540-542.

NLL M-2916  
CIA/FDD K-2664

Sci - Mathematics  
Doc 57

56, 788

Oxygenated Compounds of Titanium, by N. P.  
Bogoroditskiy.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol CIV,  
No 4, 1955, pp 543-545.

Brutcher Tr  
No 3674

34,117

\$2.45

Scientific - Min/Metals  
Chemistry

May 56 CTE/DEX

Investigation of the Structure of Alloys of  
Titanium With Niobium and Carbon Under the Ultra-  
Violet Microscope, by V. P. Blyutin, M. L. Bernshtein,  
Y. Pavlov.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol CIV,  
No 4, 1955, pp 546-548.

ASLIB-GB Tr 4

Phys  
Sci -/Min/Met

56,089

Dec 57

Investigation of Properties of the High Molecular  
Compounds of Petroleum, by S. R. Sergienko,  
B. E. Davydov.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CIV, 1955,  
pp 555-558.

Sci - fuels  
Dec 59

CCT-187B

CCT-187TM

102,993

Role of Non-Protein Ingredients in the Formation  
of Structural Collagen, by A. L. Zaydes, et al.

RUSSIAN, per, Dok Ak Nauk BSSR, Vol CIV, No 4,  
1955, pp 563-566.

NLL M. 2917

Sci - Med

Dec 61

177.588

Thermionic Emission From Silicate and Aluminosilicate Ion Exchangers, by G. M. Panchenkov, RUSSIAN, per, Doklady Ak Nauk SSSR, Vol 108, No 4, 1955, pp 571-574.  
\*NASA TT F-11,367

Sci-Phys  
Jan 68

Infrared Spectra of Phthalocyanine and the Effect  
of Gaseous Compounds on Them, by A. N. Sidorov,  
A. N. Terenin, 6 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CIV, 1955,  
pp 575-578.

SLA Tr R-1338

Sci

Jun 58

65,847

Coacervates in Ferments - High Carbohydrates  
Coacervates in Alfa Amylase, by A. I. Oparrin,  
T. N. Yevreinova, et al, 6 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, (Biokhimiya),  
Vol CIV, No 4, 1955, pp 581-583. 9662529

#FTD-IT-63-191

Sci - Biol, Chem

Feb 63

On the Etching Decomposition of Glasses by Ionic Bombardment, by G. V. Spivak, A. I. Krokhina, L. V. Lazarjeva, 3 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol CIV, 1955, p 579.

CIA/FDD X-2711

Sci - Physics  
Feb 58

55.349

Coacervates and Ferments Albumin-Carbohydrate.  
Coacervates and Alpha-Amylases, by A. I. Oparin,  
T. N. Yevreinova, ~~MM~~ ~~XXXX~~ et. al., 6 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, (Biochemistry),  
Vol CIV, No 4, 1955, pp 581-583. 9668529

FTD-TT-63-191

Sci-Biol  
May 63

230,826

The Theory of the Setting of Gypsum Bonding Materials,  
by O. V. Kuitzevich, P. E. Aleksandrov, V. B.  
Ratinov, T. I. Rozenberg, G. G. Bogautdinova, 5 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol CIV,  
No 4, 1955, pp 587-588.

Sci Mus Lib Tr 57/3672

Sci - Physics  
Apr 58

*Wall Res Council TT-685*

*60513  
SLA TR R-2054*

Giant Carnivorous Dinosaurs of Mongolia, by E. A. Maleyev.

RUSSIAN, no per, Dok Ak Nauk SSSR, Vol CIV, No 4, 1955, pp 634-637.

UKSM C-2106

Sci - Biology  
Oct 57

54,091

Estimation of the Error Involved in the Numerical Integration of Differential Equations by the Adams Extrapolation Method, by N. S. Bakhvalov, RUSSIA, per, Dok Ak Nauk SSSR, Vol 104, 1955, pp 683-686.

\*AEC AERE

ULL Ref: 5828.4F(12858)

Sci-Math  
Jan 68

Reconstruction of Potential Energy by the  
Phases of Scattered Waves, by V. A. Marchenko,  
7 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CIV, 1955,  
pp 695-698.

AEC UCRL-Trans-638

Sci - Geophys  
May 61

150,380

V  
Spectrum and Energy Levels of the Polonium Atom,  
by E. A. VERNYJ, A. N. ZAJDEL, and K. G.  
SINBELBLIT.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol CIV,  
1955, pp 710-712.

REC'D Harwell 11/18/56  
AEC Tr 2466  
Sci Mus 56/1534  
36, 288

Scientific - Nuclear Physics  
- Chemistry

Jun 56 CTS/dex

The Energy Dependence of Complete Nuclear Cross  
Sections in the Range of Neutron Energies From  
380 to 630 MeV, by V. P. Dzhelelov, V. I. Satarov,  
y B. M. Golovin

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol CIV,  
pp 717-20, 1955.

AEC, UCRL-Trans-257

RT 3 479

31,688

USSR

Sci - Nuclear Physics

Mar 56 CTS/DEX

Effect of Pressure on the Periodic Properties of  
Elements, by Yu. N. Ryabinin, 8 pp. UNCLASSIFIED

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CIV, No 5, 1955.  
pp 721-724.

OTS 63-15728

Sci Mus Lib Tr 57/4324

(9200373) E. manual. Sci Mus Lib Tr 57/4324

Sci - Phys  
Sep 58

73,352

(CEA-R-1690  
Russian to French  
9216132 8pp.)

Oxygen Isotope Exchange Between Heavy Oxygen  
Water and Some Tungstates, by V. I. Spitsyn,  
R. E. Aystova.  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CIV,  
1955, pp 741-743. 9232275  
AEC-IS-Tr-28

Sci - Chem  
Mar 66

298,505

Effect of Gamma Radiation From Radioactive Cobalt  
on Carbohydrates, by M. A. Khenokh, 7 pp.

<sup>TRICE-40</sup>  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CIV, No 5, 1955,  
pp 746-749.

4  
Sci Tr Center RR-305

Sci - Physics

41,553  
Co-ox. Lib. 723  
Sci News Ser. 56/1880  
N.R.E. Lib. Trans 723

New Carnivorous Dinosaurs From the Upper Chalk in  
Mongolia, by E. V. Maleyev.

RUSSIAN, no per, Dok Ak Nauk SSSR, Vol CIV, No 5,  
1955, pp 779-782.

UKSM Ref C-2107

Sci - Biology  
Oct 57

54,093

Some Remarks on the Problem of the Numerical  
Integration of Differential Equations by Finite  
Difference Methods, by M. V. Lomonosov, 5 pp.

RUSSIAN, thrice-to per, Dok Ak Nauk SSSR, Vol  
61X CIV, 1955, pp 805-809.

SLA R-1242  
AEC Tr 2688

Sci - Mathematics  
Jul 57 CTS

42,192

Sci Mus Lib 57/0314

<p>Blekhman, I. I. THE QUESTION ON THE STABILITY OF PERIODIC SOLUTIONS OF QUASILINEAR SYSTEMS WITH MANY FREEDOM DEGREES. [1961] [6]p. 4 refs. Order from OTS or SLA \$1.10      61-18303</p> <p>Trans. of <u>Akademiya Nauk SSSR, Doklady</u>; 1955, v. 104, no. 6, p. 809-812.</p> <p>DESCRIPTORS: *Non-linear differential equations, Equations, Numerical methods and procedures.</p> <p>A theorem on the stability of periodic solutions of a quasilinear system with a zero root of multiplicity <math>k</math> and purely imaginary roots is presented. (Translator)</p> <p>(Mathematics, TT, v. 6, no. 10)</p>	<p>61-18303</p> <p>I. Blekhman, I. I.</p> <p>250</p> <p>Office of Technical Services</p>
---	--

The Polarization of Electrons in the Decay of  
Polarized  $\pi^+$ -Mesons, by L. B. Okun', 5 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,  
Vol CIV, 1955, pp 840-842.

AEC Tr 2489

Sci - Physics

36,580

Jul 1956

Correlation of the Planes of Disintegration of  
a  $\nu^0$ -Pair and the Spin of  $\theta^0$ -Meson, by  
L. D. Puzikov, Ya. A. Smorodinskiy

RUSSIAN, thrice mo per, Dok Ak Nauk SSSR,  
Vol CIV, pp 843-5, 1955.

SNA 61-17502  
AEC, UCRL-Trans-259  
Morris D. Friedman 1-125

USER  
Sci - Nuclear Physics  
Mar 56 CTS/DEX

31,690

(Part II)  
Creep and Long-Term Strength of Frozen Soils, by  
S. S. Vialov *11 pp.*  
*-Chice and*  
RUSSIAN, *Apex*, Dok Akad Nauk, Vol CIV, No 6, 1955,  
pp 850-853.

*NLL 01-6008*  
Def Sci Info Sv  
DRB, Canada, *7203R*  
#

Scientific - Geophysics    *36,619*

*Jul*  
*50*

*30 August 1955*

*ST- 62-2291*  
*also 63-26592*

The Reaction of Organic Sulfur Compounds With a  
Reduced Iron Contact Catalyst, by A. N. Bashkirov,  
N. L. Barabanov.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol CIV,  
No 6, 1955, pp 854-856.

Assoc Tech Sv  
RJ-355

Sci - Chemistry

Aug 1956

\$3.80

37,008

*Handwritten notes:*  
L. I. ...  
...  
...  
... 78.68

Chemisorption and Oxidation of Sulphur Dioxide  
on Solid Catalysts at Room Temperature, by  
O. K. Davtyan et al.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR,  
Vol CIV, No 6, 1955, pp 857-860.

ATS RJ-518

Co-Op Trans Sch Tr 238

Sl. (As.Od.)

42,697

Sci - Chemistry

*U.S. Division of Research  
Chemical Technology  
Langley Research Center  
Washington, D.C.  
7/16/55*

RUSSIAN  
to FRENCH  
OTB TT-62-28183

Tautomerism of Acid Esters of Alkylthiophosphonic  
Acids, by M. I. Kabachnik, Etal.

RUSSIAN, thrice-mo per, Dok Ak Nauk, Vol CIV,  
No 6, 1955, pp 861-864.

T.I.L./T.4628

Sci - Chemistry

34,462

May 1956

Diphenylbromonium Salts ( $\text{Ph}_2\text{BrPh}_2^+\text{B}^-$ ), by A. N. Messoyanov,  
T. P. Tolstaya, L. S. Isayeva, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CIV, No 6, 1955,  
pp 872-875.

LC or SLA 59-10028

Sci - Chemistry  
Feb 59

1.80

81,554

Mechanism of Oxygen Transfer Through Thin  
Layers of Electrolytes, by I. L. Rozenfel'd,  
et al.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,  
Vol CIV, No 6, 1955, pp 876-879.

*SP-3551*  
Coop Trans Scheme Tr 213  
11:12a.

Sci - Physics, Chemistry

Jul 1956

*36, 365*

*ATS-37N 56R*

Measurement of the Dynamic Modulus of  
Rubber at Very Small Amplitudes of Deforma-  
tion With an Optical Modulational  
Interferential Method, by M. M. Borovit-  
skaya.

RUSSIAN, per, Dok Ak Nauk SSSR,  
Vol CIV, No 5, 1956, pp 923-925.

CSIRO

201,101

Sci - Phys  
Jun 62

Utilization of Seed Phosphorus Reserves  
for Germination, by Zuev, Golubeva.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CIV,  
1955, pp 929-931. H

CSIRO

Sci - Mol  
Apr 62

190,903

SPIVAK, G. V., PRILEZHAEVA, I. N. and AZOVTSEV, V.  
R-2066. Magnetic contrast in an electron mirror  
and the observation of ferromagnetic domains.  
Doklady Akad. Nauk, SSSR, 105, no. 5, p. 965-967, 1955.  
(7p.) (LOAN COPY ONLY)

Tables of Contents.

RUSSIAN, no per, Doklady Akademii Nauk SSSR, Vol CV,  
No 1-6.

Amer Inst of Physics  
Soviet Physics, Vol II, No 3

Feb 57 CIS

43801  
CIA/FDD/X-2054

Partial Tables of Contents

Dok Ak Nauk SSR, Vol 105, No 1-6, 1955

Morris D. Friedman

X-2326

On Certain Direct Methods in the Nonlinear Theory of  
Shallow Shells, by I. I. Vorovich, 5 pp.

RUSSIAN, three-no per, Dok Ak Nauk SSSR, Vol CV, No 1,  
1955, pp 62-65.

Morris D. Friedman V-116

Scientific - Physics

34,719

May 56 CTS/dex

The Effect of Small Impurities on the Galvano-  
magnetic Properties of Bismuth, by N. Alekseyevski,  
N. Brandt, T. Kostina, 8 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CV, No 1,  
1955, pp 46-49.

SLA Tr R-979

Sci -

*Electricity*  
~~Physics~~

54,493

Oct 57

The Efficiency of  $\gamma$ - and Photoluminescence of NaI-Tl  
As a Function of the Concentration of Thallium, by  
L. M. Belyayev, M. D. Galanin, Z. L. Morgenshtern,  
Z. A. Chizhikova.

RUSSIAN, thrice-mo per, ~~Bok Ak Nauk SSSR~~ SSSR, Vol CV,  
No 1, p 57.-60

SLA 61-17501  
Consultants Bureau

Scientific - Physics

\$3.50    CCT

Aug 1956

37,282    1275B

Excited States of Nucleons, by I. I. Gurevich,  
5 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol CV,  
1955, pp 69-72.

ABC Tr 2382

Scientific - Physics  
Chemistry Mar 56 CTS/DEK

31,973

Phase Analysis of Proton-Proton Scattering,  
by A. Zimin, 4 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol CV,  
1955, pp 73-76.

ABC Tr 2383

31,974

Scientific - Physics

Mar 56 CTS/DEX

Change of Electric Conductivity in Abrupt Deformations  
of Metallic Single Crystals, by V. N. Rozhansky, Yu. V.  
Goryunov, and O. D. Shchukin,

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol CV, No 1.  
P p 80. - 82

SLA 61-17499  
Consultants Bureau

Scientific - Physics

# \$3.50

Aug 1956

37,283

CCT 1279B

~~XXXXXXXXXXXX~~

The Structure of the Earth's Core in the North Tien-Shan  
Region According to the Results of Plutonic Seismic  
Exploring, by G. A. Gamburtsev, P. S. Veitsman, Yu. V.  
Tulina, 7 pp.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol CV, No 1,  
1955, pp 83-86.

Morris D. Friedman G-101  
\$3.50

41, 448

Yes  
Sci -, Physics  
Dec 56 CTS

Yagupolskii, L. M.  
SYNTHÈSE DE DÉRIVÉS DE L'ÉTHÉR PHENYLTRI-  
FLUOROMÉTHYLIQUE (Synthesis of Derivatives of  
Phenyl Trifluoromethyl Ether). 6p. FR-1534.  
Order from OTS, ETC or CNRS \$0.80 62-26517

Trans. in French of Akademiya Nauk SSSR Doklady  
1955, v. 105, no. 1, p. 100-102.

DESCRIPTORS: \*Phenyl radicals, \*Methyl radicals,  
\*Fluorides, Ethers, Synthesis (Chemistry)

(Chemistry--Organic, TT, v. 10, no. 9)

62-26517

1. Title: Phenyltrifluoromethyl ether
- I. Yagupolskii, L. M.
- II. F/R-1534
- III. Centre National de la Recherche Scientifique, Paris (France)

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