

Zirconium Dioxide in Millite Refractories, by  
D. S. Bolyanin, V. V. Lapin.

RUSSIAN, ~~thrice-no per.~~ Dok Ak Nauk SSSR, Vol LXXIII,  
No 2, 1950, pp 467-469.

Brutcher: Tr No 2725

Scientific - Chemistry

\$2.50

14,421

Dok Ak Nauk SSSR

Vol LXXIII No. 3 (21 July '50)

pp 471-474

by Yu. I. Izrael & Ye. N. Tatarskiy

"Applied Theory of Plastic Deformation of Beams" (Brief Digest done)

Proj # 6700

{ CD  
70254

date:

SR: 20

DAN

Vol 73, # 2<sup>3</sup>, pp 475-8 (1950)

Investigation of Oscillations in Luminance of  
Solar Prominences

A B. Severn

Nav. to 240/NK 332

~~In print in 2-1951~~

(January 1951)

Dok Ak Nauk SSSR, Vol LXXIII - No. 3

(21 July '50)

pp ~~475-478~~; 479-481

1. "~~Invest. of Fluctuations in the Light of Solar Prominences~~" A. B. Seleznev

2. "Possibility of Deter. the Dist. to the 'Point' Sources of Radio Waves in the Galaxy." I. S. Shklovskiy

Proj # 6814

{ CD - 7075.4

Date:

SR: 18 Oct 1950 (0.1.1)

Reaction of Dialkyl Phosphorous Acids With Aldehydes  
and Ketones. New Method  $\pi$  for Synthesizing Esters  
of Alpha-Oxyalkyl-Phosphonic-Acids, by B. S. Abramov,  
4 pp.

RUSSIAN, per, Doklady Akad Nauk SSSR, Vol LXXIII,  
No 3, 1950, pp 487-489. Project 6567.

SLA Tr R-823 also RT-3836

Sci - Chemistry  
Oct 57

54,482

② A N S S S R, Vol. LXXXIII, No. 3,  
499-502

A. N. Kholovits, Addition of  
Dialkylphosphorous Acids to  
Unsaturated Compounds.

Proj 6966

NOV 2 1950

RT-3859

FTS RJ-1227

Investigation of Lubricating Action in Deep  
Drawing Using a Model, by S. Ya. Veil'ner, L. A.  
Shreiner, P. A. Rebinder

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR,  
Vol LXXIII, No 3, 1950, pp 511-515.

Brutcher Tr 3195

Scientific - Minerals/Metals  
CTS/DEX Price \$2.40

7846

GINDIN, L. G.

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#3, pp. 515-8; 4 figures, 1700 words.

On the Electrochemical Character of Corrosion  
of Metals in Liquid Dielectrics.

Butcher Trans, Order No. 2644, \$ 3.30.

*Also AEC TR 390*

*SCA R-1880*



Deformation of Proteins of the Keratin-Myosin Group  
in Solutions of Organic Substances, by A. Pasyanskiy,  
V. Blokhina.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol LXXIII,  
No 3, 1950, pp 535-538.

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AEC Tr 592

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*Natl Res Council  
Canada TT 214  
Sep 1951 CTS*

Scientific - Biology

Hydraulic Cement Properties in Dehydrated Serpentinite  
by P. P. Budnikov, O. P. Mchedlov-Petrosyan.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXIII, No 3,  
1950, pp 539, 540.

Brutcher Tr No 2699

Scientific - Chemistry

\$1.90

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DOK AK NAUK SSSR, NOV SER  
Vol LXXIII, No 3, 1950 pp 565-69

Proj No 8318

ST-252

"The Thermal Form of Motion of Subterranean Waters", P. F. Shvetsov

SR Date: 4/4/51

U-Series

Growth Stimulators as Measure for Control of Pre-Harvest Drop of Apples and Pears, by B. P. Stroganov,

RUSSIAN, Akad. Nauk SSSR, Dok. 73:601-604,  
July 21, 1950. 511 P444A

USDA Tr No 28

Scientific - Biology, growth stimulators.

USSR

Economic - Agriculture, growth stimulators.

Larvae of Subcutaneous Bot-Flies of Rodents of the  
Genus *Oestromyia* Br., of USSR ~~FA~~<sup>6</sup> Fauna, by K. Ya.  
Grünin, 4 pp.

RUSSIAN, ~~thrice-no per.~~ Dok Ak Nauk SSSR, Vol LXXIII,  
No 3, 1950, pp 621-624.

Sci Trans Center RT-522

Scientific - Biology  
CTS/DEX

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Dok Ak Nauk SSSR LXXIII-4 (1 Aug 1950)

pp 667-670

"Vertical Interpretation of the Theory of Functions of a Complex Variable,"  
I.S. Arzhanykh

Proj # 6704

{CD-7642.3

Date: \_\_\_\_\_

SR: { \_\_\_\_\_ }

Dok Ak Nauk SSSR

Vol LXXIII No. 4 (1 Aug '55)

pp 671-674

"Flow of Gas thru a Cyl. Pipe in Case  
of Heating & Pres. of Friction".

A.L. Klyachkin

Proj #6711

SR { date : { CD-7025.4  
20 Oct 1950

The Nature of Infrared Night-Sky Radiation, by  
V. I. Krasovskiy, 8 pp. UNCLASSIFIED

RUSSIAN, thrice-mo per, Ko Dok Ak Nauk SSSR,  
Vol ~~2822~~, No 4, 1950, pp 679-682,

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Air Res and Dev Command

T-139 R U +

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Scientific -- Astronomy



Concerning the Application of a High-Frequency Tesla  
Generator to the Quantitative Spectral Analysis of  
Solutions, by C. A. Borovik, T. F. Borovik-Romanova.

RUSSIAN, thrice-mo per, Dok Ak Nauk, Vol. LXXIII, No 4,  
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AEC Tr 560

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*2-11-51*  
SIA-60-17140

Scientific - Physics

Aug 1951 CTS

On the Initial Stages of Fusion of Complex Metallic  
Systems, by W. T. Gudtsov and M. G. Lovinski,   
UNCLASSIFIED

RUSSIAN per, Do Ak Nauk BSSR, Vol LXXIII, 1950,  
No 4, pp 689-692

Butcher Order No 3043  
Price \$3 70

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Scientific - Metallurgy

On the Process of Fracture of Plastic Metals,  
by Ya. B. Fridman, T. K. Zilova.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXIII, No 4,  
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Scientific - Min/Metals

Dec 54 CTS/IBEX

\$3.70

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OBAN SSSR, LXXIII, No 4, pp. 727-30

Ya. A. Fialkov and Yu. A. Nazarenko  
On the Exchange Reaction of  
Bromine with Tetrabromides of  
Carbon, Silicon, and Tin.

Ref # 7208

NOV 24 1950

The Application of Two-Electron Functions in the  
Theory of Chemical Bonds, by V. A. Fok, ~~XX~~ 6 pp.

Full translation.

RUSSIAN, Dok Ak Nauk SSSR, 1950, Vol LXXIII, No 4,  
pp 735-739.

Sci Mus Lib No 52/3246

Scientific - Electronics

27 December 1952

Concerning the Nature of the Reaction of Chlorophyll  
With Inorganic Ions, by M. S. Ashkinazi, T. S.  
Glikman, B. Esh Dahn.

RUSSIAN, thrice-no par, Dok Ak Nauk SSSR, Vol LXXIII,  
No 4, 1950, pp 743-746.

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Scientific - Chemistry

Doc 51 CTS

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Increasing the Adhesive Property of Polar Glues to Rubber, by S. S. Voyutskii, P. A. Febinder, E. S. Khoroshaya and S. I. Shur, 9 pp.

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*9*

*7572*

Highly Elastic Deformation, by Yu S Zuev, 7 pp

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol LXXIII,  
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*Sci-Chem*



Spectroscopic Study of Benzoic Acid Anions, by A. I. Finkel'shtein, P. P. Shorygin,

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol LXIII, No 4, 1950, pp 759-762.

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Scientific - ~~Mathematics~~  
CTS/DEX

*Physics*

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Sorption of Non-Electrolyte Molecules by Proteins,  
by A. G. Pysnkiy, R. S. Chernyak

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AEC Tr 992

Scientific - Physics  
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CANTIDAD Y BIOMASA DEL FITOPLANCTON EN EL  
MAR NEGRO (Chislenost' i Biomassa Fitoplanktona v  
Chernom More) (Amount and Biomass of Black Sea  
Phytoplankton). 13p. 4 refs. CID: 62-256.  
Order from OTS, ETC or CID \$0.80      62-29256

Trans. in Spanish of Akademiya Nauk SSSR. Doklady,  
1950, v. 73, no. 4, p. 821-824.

DESCRIPTORS: \*Black Sea, Aquatic animals,  
\*Plants (Botany)

(Biological Sciences, TT, v. 10, no. 9)

62-29256

- I. Morozova-Vodyanitskaya,  
N. V.
- II. CID-62-256
- III. Centro de Informacion  
y Documentacion,  
Madrid (Spain)

Office of Technical Services

The Latex System and Rubber Yield of Kok-Saghyz, by  
G. M. Mashtakov, T. N. Kulakovskais, B. M. Nikitin.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol. LXXIII, 1 Aug 1950,  
pp 841-844. 511 P444A

USDA Trans 300

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Economic - Agriculture, kok-sagyz (rubber)

Scientific - Biology, kok-sagyz (rubber)

569

The Influence of Preliminary X-Irradiation  
on the Regeneration of the Epidermis of the  
Skin of the Rabbit, by A. A. Braun, G. N.  
Orlova

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Jun 51 CTS

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The Antelope Gadfly, (From the Mongolian Peoples Republic), by K. Ya. Grunin, 3 pp.

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LXXIII, No 4, 1953, pp 861-863.

Sci Trans Center NT-523

10,962

Scientific - Biology  
CTS/DEM

Energy Levels of  $Mn^{56}$  and  $V^{52}$ , by P. I. Lukirskii.

Full translation.

RUSSIAN, per, Dok Akad Nauk SSSR, Vol. 73, 1950, pp 921-924.

AEC Tr 1229

Scientific - Physics

(FDD 27160)

Principle of Radiation, by A. G. Sveshnikov, 7 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,  
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CIA/FDD U-8139

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Sci - Electronics Physics

Apr 56



Measurement of Fluorescence Duration With A  
'Phase' Fluorometer, by M. D. Galanin, 5 pp.

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No 5, 1950, pp 925-927. 9692789

Amer Meteorol Soc  
T-R-413

*Sci Lib Cont RT 428*

*Navy Mans. 263/NRL 314*

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Vol 73, # 5. pp 937-40 (1958)

The Nature of Electro-Mechanical Oscillations in  
Barium-Titanate Ceramics

N. A. Rao

HEC 4. 385 -

Brookhaven

Elasticity of High-Temperature Modifications of  
Polymorphic Metals, by E. M. Savitskii.

RUSSIAN, no per, Dok Ak Nauk SSSR, Vol LXXIII,, No 3,  
1950, pp 945-947.

Butcher Trans No 2773

Scientific - Metallurgy, alloys, polymorphic metals

Yakubovich, A. Ya. and Ginsburg, V. A.  
SYNTHESIS OF ALIPHATIC ORGANIC COMPOUNDS  
OF ELEMENTS BY A DIAZO METHOD. SYNTHESIS  
OF COMPOUNDS OF GROUP III ELEMENTS:  
ORGANOTHALLIUM AND BORON COMPOUNDS.  
Sep 61 [5]p. 8 refs. RTS 1950.  
Order from OTS or SLA \$1.10      61-28027

Trans. of Akademiya Nauk SSSR. (Doklady) 1950,  
v. 73, no. 5, p. 957-958.

DESCRIPTORS: \*Aliphatic compounds, \*Organic Com-  
pounds, \*Thallium compounds, \*Boron compounds,  
Synthesis, Azo radicals, Methyl radicals, Ethanes,  
Chlorides, Chemical reactions.

(Chemistry--Organic, TT, v. 6, no. 10)

61-28027

- I. Yakubovich, A. Ya.
- II. Ginsburg, V. A.
- III. RTS-1950
- IV. Department of Scientific  
and Industrial Research  
(G. Brit.)

7378

Office of Technical Services

The Electrokinetic Potential of Melamine Resin  
Particles in Aqueous Solutions, by  
S. S. Voyutskii, R. M. Panich, et al.  
RUSSIAN per, Doklady Ak Nauk SSSR  
Vol LXXIII, No 5, 1950 pp 959-961.  
SLA TT 64-20187

*SLA TT-64-18933*

Apr 67

325,179

Fluorescence of Magnesium Phthalocyanine and Chlorophyll  
in Various States, by V. P. Gashkovskiy.

RUSSIAN, thrice no pub, per, Dok Ak Nauk SSSR, Vol  
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AEC: Tr 1017

Scientific - Physics

Inc 1951 CTS

The Influence of Pressure on the Rate of Reduction  
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67 pp. x

RUSSIAN, Dok Ak Nauk SSSR, Vol 73, No 5, 1950,  
pp 971-973.

Sci Museum Lib No 51/3311  
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Sci - Chemistry

The Problem of the Mechanism of Balloelectric Phenomena, by G. L. Natanson, 9 pp.

RUSSIAN, par, Dok Ak Nauk, SSSR, Vol LXXIII, No 5, 1950, pp 975-978. 9671695

FTD MCL-1328/1

Sci - Phys

*174, 765*

29 Nov 61



Feeding of Herring Pelagica and the Functional  
Role of Its Maxillary Apparatus, by K. V. Beklemishev,  
pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol LXXIII,  
No. 5, 1950, pp 1093-1095.

Sci Trans Center RT-3258

Biological

32,113

Mar 56

DAN LXXIII No. 6 (21 Aug '50)  
pp 1141-1142.

"Determin. Gas-Deposit Parameters  
from Well-Test Data." B. B. Lapuk &  
V. A. Yevdokimova

Proj # 6817

} ST-72

SR { Date:  
18 Oct 1950

Discriminant Curve and Region of Aperiodic Stability, by B. V. Bugakov, 4 pp.

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Sci Trans Center RI 2912

Scientific - Physics

Feb 56 31,207

Angular Correlation of Particles and Quanta During  
Consecutive Radiation, by A. Z. Dolginov.

Full translation.

RUSSIAN, per, <sup>1106</sup>Dok Akad Nauk SSSR, Vol 73, 1950,  
pp 1147-1151.

AEC Tr 1222

Scientific - Physics

Interrelation in the Course of Radiation of  
Particles and Quanta During the Conversion of  
The - The'', by L. A. Kul'chitski.

Full translation.

*Vol 73 266 6*

RUSSIAN, per, Dok Akad Nauk SSSR, 1950,  
pp 1153-1156.

AEC Tr 1223

Scientific - ~~EEEE~~ Physics

DAN LXXIII-6 (21 Aug 1950)  
PP 1157-1160

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of Coem. Rays" Acad Skobel'tsyn  
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{ Proj #  
{ 6816

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Date:

SR { 13 Oct 1950

The Etching of Metals and Minerals for Ultra-  
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G. A. Zaytzev, and T. G. Porokhova, 8 pp.

RUSSIAN, Dok Ak Nauk SSSR, vol 73, no 6,  
1950, pp 1165-1168.

Sci Museum No 51/2822

Scientific - DEX

*Handwritten:* 454

MCCAN, L. I.  
MINTIN, R. I.

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1173-1176; 4 figures, 2 tables, 2300 words.

Kinetics of Polymorphic Transformation of Alloyed  
Iron.

Butcher Trans, Order No. 2606, \$3.90.



AN

Vol 73, #6, pp 1177-1179 (1950)

"Complex Resistance in Radiation of an Antenna System  
in Presence of its Electrodynemic Interaction with Another  
Antenna System"

R. G. Khirimenov

proj 10982

A-40941

SR 6721-50

Reduction and Dissociation of Oxides of Cobalt  
and Nickel, by G. I. Chufarov, M. G. Zhuravleva,  
E. P. Tatyevskaya, 6 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXIII, 1950,  
pp 1209-1212.

ARC NP 131

Sci - Chem, Man/Inst

Oct 58

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The Electrical Conductivity of Systems of Halides of Mercury and Ammonium in Melts, by I. N. Belyayev, K. E. Mironov, 12 pp.

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Sci Tr Center # RT-2406

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Scientific - Chemistry

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Nov 55  
CTS/DEX

Deformation of the Surface Layer of a Metal During  
Oxidation, by P. A. Dankov, P. V. Chumov, 8 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol 73, 1950, <sup>7206</sup>  
pp. 1221-1224. (See Farnborough, Hants: Royal Air-  
craft Establishment. Lib Tr No 363.)

Science Museum Lib No 51/0655 — London

*Sci Tr Cit RT 465*

ДАН СSSR, Vol. LXXIII, No 6, pp. 1225-8

S. V. Karpenko, Effect of Surface  
Active Substances on the Fatigue  
of Steel

Proc. 101

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pp. 1229-30.

M. V. Polyakov and Ya. V.  
Zhiyagalov, Concerning the Question  
of Explosive Compositions of  
Gas Mixtures

Proj 7564

DEC 23 1950

Reactions of Electroreduced Form of Nitrobenzene, etc.  
A. Epanovskiy, G. P. Eria.

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16, 435  
AT-5004

Scientific - Chemistry

Doc 1951 615

Microscopic Replacements in Insects and the  
Deposits of Various Types at the different  
Stages of Lake Life, by B. P. Krotov.

RUSSIAN, per, Dok Ak Nauk SSSR, vol 120-121,  
1950, pp 1263-1265.

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Sci - Min/Mat, Biol  
May 52

198, 479



Influence of Partial Sympathectomy and Vagotomy  
During Hibernation in Heterothermic Animals, by  
S. I. Arbuzov, 8 pp.

RUSSIAN, ~~thrice-mo per.~~ Dok Ak Nauk SSSR, Vol LXXIII,  
No 6, 1950, pp 1305-1308.

Sci Trans Center RT-116

SLA 64-0-116

USSR  
Scientific - Medicine

Jan 54 CTS

8695

D. D. IVANENKO

Toward the Theory of Nuclear Shells.  
AKADEMIYA NAUK SSSR. DOKLADY. Vol 74, pp 33-36,  
1950.  
NTC 73-10328-20H

Mar 73

Mechanism of the Electrical Breakdown of Metal  
Suspensions in Liquid Dielectrics, by L. G. Gindin,  
et al.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXIV, No 1,  
1950, pp 49-52.

BISI 2075

Sci - Phys

Sep 61

61-20927

Vaisner, V. L.

ALKYLATION OF SOME AROMATIC HYDROXY  
COMPOUNDS WITH ACETYLENE IN THE PRE-  
SENCE OF A CATALYST BASED ON BORON TRI-  
FLUORIDE (Alkilirovaniye Nekotorykh Aromaticeskikh  
Oksisoyedineniĭ Atsetilenom s Pomozhch'yu Katalizatora  
na Osnove Ftoristovo Bora). [1961] 6p. 7 refs.  
Order from OTS or SLA \$1.10 61-20927

Trans. of Akademiya Nauk SSSR. Doklady 1950,  
v. 74, no. 1, p. 57-59.

Another trans. is available from ATS as RJ-357.

DESCRIPTORS: Hydroxides, \*Phenols, \*Resorcinol,  
\*Naphthalenes, \*Quinones, \*Alkyl radicals,  
\*Acetylenes, Boron compounds, Fluorides, Catalysts,  
Catalysis, Chemical reactions.

(Chemistry--Organic, TT, v. 7, no. 7)

I. Vaisner, V. L.  
II. ATS RJ-357

Office of Technical Services

On the Synthesis of the Hydroperoxide of  
1:1 Diphenylethane, and the Thermal Decom-  
position of Tertiary Hydroperoxides, by T. Y.  
Yurzhenko, D. K. and V. E. Puchyn, 5 pp.

RUSSIAN. Dok Ak Nauk SSSR, Vol 74, 1950, pp 85-86.

Sci Museum No 51/2840

Scientific

Regularities in the Dissolution of Salts of Strong  
Electrolytes in Non-Aqueous Solutions, by H. A.  
Yanzilov, et al., *ix* 8 pp UNCLASSIFIED

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXIV, No 4,  
1950, pp 91-94.

Sci Tr Center  
SLA, ~~RT~~-1031  
ACTS of SLA 63-18995

Scientific - Chemistry

15, 267

A Study of the ~~Products~~ Products of Reduction of Chlorophyll, Its Derivatives and Analogues by the Reaction of Timiryazev, by L. M. Kosobutskaya, & A. A. Kramovskiy.

RUSSIAN, ~~thrice no per~~, Dok Ak Nauk SSSR, Vol LXXIV, No 1, 1950, pp 103 - 106.

1022

AEC Tr ~~1022~~

Scientific - Chemistry

Dec: 1951 CTS

Treatment of Traumatic Shock in Animals With  
1,6-Fructose Diphosphate, by P. F. Minayev, et al.

RUSSIAN, per, Dok Ak Nauk USSR, Vol LXXIV, 1950,  
USSR, pp 153-156.

Assoc Tech Sv RJ-62

Sci - Medicine

\$7.50 (\$1.25) *1714-160*

Aug 5\*

*17,131*



A New Species of Monogenetic Trematode from  
Far-Eastern Turtle *Amia Sinensis*, by  
Yu. A. Soralkov.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXIV, No 1,  
1950, pp 159-162.

\*Virginia Inst of Marine  
Sciences, ~~Gloucester~~ Gloucester  
Point, Virginia

Sci  
Sept 64

Radzievskii, V. V.

PLANETOCENTRIC RADIATION BRAKING EFFECT.

[1962] 6p. 6 refs.

Order from OTS or SLA \$1.10

62-10800

Trans. of Akademiya Nauk SSSR. Doklady, 1950, v. 74, no. 2 [p. 197-200].

DESCRIPTORS: \*Planets, Planetary atmospheres, Radiation effects, Satellites.

The sharp division of the planets into two groups according to their mass is explained by O. Yu. Schmidt by the heliocentric radiation braking effect, which produces scarcity of matter in the near neighborhood of the sun. A qualitative explanation can be given for the absence of satellites of Mercury and Venus. Matter trapped by any planet must fall into it in approximately (Astronomy--Astrophysics, TT, v. 8, no. 6) (over)

62-10800

I. Radzievskii, V. V.

Office of Technical Services

Kondorskii, E.  
STRUCTURE "MONOLOCALE" DES SUBSTANCES  
FERRO-MAGNETIQUES ET PROPRIETES MAGNE-  
TIQUE DES PRODUITS FORMES DE PARTICULES  
FINES (Odnodomennaya Struktura v Ferro-Magneti-  
kakh i Magnitne Svoistva Melkodispersnikh Veshchestv)  
(Single-Domain Structure in Ferromagnetic Materials  
and Magnetic Properties of Microdispersed Substances)  
8p. 5refs. CNRS-X 196.

Order from OTS, ETC or CNRS \$0.80      TT-62-28116

Trans. in French of Akademiya Nauk SSSR / Doklady,  
1950, v.74, no.2, p.213-216.

Translations in English available from OTS or ETC  
\$1.55 as 61-17289, and from LC or SLA mi\$2.40  
ph\$3.30 as 60-14159 and from SLA as RT-2022, 10p,

AEC 7, 316      HB 2654  
DESCRIPTORS: Ferromagnetic materials, Magnetic  
properties, Particles, Ellipsoids, Theory, \*Magne-  
tism, Domains (Crystallography).

(Physics--Magnetism, TT, v. 11, no. 6)

TT-62-28116

- I. Kondorskii, E.
- II. CNRS-X 196
- III. Centre National de la Recher-  
che Scientifique, Paris

Office of Technical Services  
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