

Dok Ak Nauk SSSR

Vol LXXIII No. 3 (21 July '58)

pp 441-474

by Yu. I. Yagm & Ye. N. Tarasenko.

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

Proj # 6700

(CD
- 25.11

DAN

Vol 73, # 3, pp 475-8 (1950)

Investigations of Oscillations in Luminescence of
Solar Prominences

8pp.

A. B. Severnyi

Nag. 5.390/NRA 332

~~In process of NRs~~

(January 1951)

See L. A. Carter RT-67

Reaction of Dialkyl Phosphorous Acids With Aldehydes
and Ketones. New Method ~~a~~ 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 6967.

SLA Tr R-823 also RT-3836

Sci - Chemistry
Oct 57

54,482

АН ССС Р, Vol. LXXIII, No. 3,
499-502

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

Fig 6966

NOV 2 1950

RT-9859

ATS 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-mo per, Dok Ak Nauk SSSR,
Vol LXIII, No 3, 1950, pp 511-513.

Brutcher Tr 3195

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

7846

GINDIN, L. G.

Doklady Akademii Nauk SSSR, vol. 73, 1950,
#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.

AEDQ

AEC Tr 592

14,791

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

16,717

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 BSR, 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~~ Fauna, by K. Ya.
Grünin, 4 pp. ⁶

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

Sci Trans Center RF-522

Scientific - Biology
CTS/DEK

10,964

Dok Ak Nauk SSSR LXXIII-4 (1956)
pp 667-670

"Vortical 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".

Proj #6711

G.L. Klyachkin

SR { date : { CD-7025.4
20 Oct 1950

7
The Nature of Infrared Night-Sky Radiation, by
V. I. Krasovskiy, 8 pp. UNCLASSIFIED

RUSSIAN, thrice-mo per, Ms Dok Ak Nauk SSSR,
Vol ~~XXXX~~, No 4, 1950, pp 679-682,
4XXIII

Air Res and Dev Command
T-139 R U +

15,492

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,
1950, pp 683-684.

14,675

Scientific - Physics

AEC Tr 560

DSIR 224 M-1-50 (LOAN)

SLA-60-19920

Aug 1951 CTS

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

RUSSIAN per, Do Ak Nauk SSSR, Vol LXXIII, 1990,
No 4, pp 689-692

Brutcher Order No 3043
Price \$3 70

457

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,
1950, pp 697-700.

Brutcher Tr No 2876

Scientific - Min/Metals

Dec 54 CTS/DEX

\$3.70

14,729

DAN SSSR, LXXIII, No 4, pp. 732-32

Ya. A. Fialkov and Yu. A. Nazarenko
On the Exchange Reaction of
Bromine with Tetrahalomides 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. Ashkinazy, T. S.
Glikman, B. Kik Dahn.

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

AEC Tr 1020
also AEC/UCRL 90

Scientific - Chemistry

Dec 51 CTS

14,535

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

RUSSIAN, ~~PER~~ thrice-mo per, Dok Ak Nauk SSSR, Vol LXXIII, No 4, USSR, 1950, pp 747-750.

CIA/FDD/X-1142

Dec 1953 CTS

Sci - Chem
J

7572

Highly Elastic Deformation, by Yu S Zuev, 7 pp

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol LXXIII,
No 4, USSR, 1950, pp 755-757.

CIA/FDD/X-1143

Dec 1953 CTS

Sci-Chem

7569

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.

~~EXCLUDED FROM RELEASE~~

~~EXCLUDED FROM RELEASE~~

National Research Library TT-25

Physics
Scientific - ~~Mathematics~~
CTS/DEX

10,936

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

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol
LXXIII, No 4, 1950, pp 771-774.

AEC Tr 992

Scientific - Physics
CTS/DEX

7398

Morozova-Vodyanitskaya, N. V.
CANTIDAD Y BIOMASA DEL FITOPLANKTON EN EL
MAR NEGRO (Chislennost' 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
S. M. Mashtakov, T. N. Kulakovskaja, B. M. Nikitin.

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

USDA Trans 300

USSR

Economic - Agriculture, kok-sagyz (rubber)

Scientific - Biology, koksagyz (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

RUSSIAN, ~~thrice-mo~~ per, Dok Ak Nauk SSSR, Vol
LXXIII, No 4, 1950, pp 849-852.

AEC/BNL

Scientific - Medicine
CIS/DEX Jun 51 CTS

13,936

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

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol
LXXIII, No 4, 1953, pp 861-863.

Sci Trans Center RT-523

Scientific - Biology
CTS/DEX

10,962

Energy Levels of Mn⁵⁶ and V⁵², by P. I. Lukirskii.

Full translation.

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

AEC Tr 1229

DOC-UCRL-Tr-121

Scientific - Physics

SDM 66-15915

(FDD 27160)

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

RUSSIAN, thrice-~~no~~ per, Dok Ak Nauk SSSR,
Vol LXXIII, No 5, Moscow, 1950, pp 917-920.

CIA/FDD U-8139

34,737

USSR

Sci - Electronics Physics

Apr 56

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

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXIII,
No 5, 1950, pp 925-927. P692789

Amer Meteorol Soc
T-R-413

See in Cont RT 488

Yavv Trans. 263/NRL 314

DAN

Vol 73, # 5, pp 937-40 (1950)

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

N. A. Rai

NAC 2. 385

Goodman

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
(U. S. S. R.)

61-28027

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-64-18433

Apr 67

323,179

Fluorescence of Magnesium Phthalocyanine and Chlorophyll
in Various States, by V. F. Gachkovskiy.

RUSSIAN, thrice no pub, per, Dok Ak Nauk SSSR, Vol
LXXIII, No 5, 1950, pp 963 - 966.

AEC Tr 1017

Scientific - Physics

Dec 1951 CTS

The Influence of Pressure on the Rate of Reduction
of Carbon Dioxide by Carbon, by N. A. Karchevyna,
67 pp. x

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

Sci Museum Lib No 51/3311
London

Sci - Chemistry

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

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

FTD MCL-1328/1

Sci - Phys

174, 765

29 Nov 61

DAN SSSR Vol. LXXIII No. 5 pp. 1049-52

"Some Laws Governing the Action of
Suppressors of Viruses and Bacteriophage"
V. L. Ryzhkov

Page 3417

ST-73

SR 1 May '51

chem.

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

RUSSIAN, thrice-monthly, 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.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol LXXIII, No6, 1950, pp 1143, 1144.

Sci Trans Center RT 3212

Scientific - Physics

Feb 56 31,207

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

Full translation.

no 6
RUSSIAN, per, 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
Thc - Thc'', by L. A. Kul'chitski.

Full translation.

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

AEC Tr 1223

Scientific - EESH Physics

The Etching of Metals and Minerals for Ultra-
Violet Microscopy, by E. M. Brusbergh,
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

Personnel 454

MOGAM, L. I.
KSTIN, R. I.

Doklady akademii Nauk SSSR, vol. 73. 1950. #6. pp.
1173-1176; 4 figures, 2 tables. 2300 words.

Kinetics of Polymorphic Transformation of Alloyed
Iron.

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

SAN

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. Mirimanov

proj 10982

A-40941

SR 6 Feb 52

Reduction and Dissociation of Oxides of Cobalt
and Nickel, by G. I. Chufarov, M. G. Zhurevleva,
E. P. Tatyevskaya, 8 pp.

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

ARC NP 131

Sci - Chem, Man/Net

Oct 58

74,605

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

RUSSIAN, per, Dok. Akad. Nauk SSSR, Vol LXXIII, No 6,
1950, pp 1217-1220.

Sci Tr Center # RT-2406

USSR
Scientific - Chemistry

28,266

Nov 55
CTS/DEX

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

RUSSIAN, per, Dok Ak Nauk SSSR, Vol 73, 1950, ^{710.6}
pp. 1221-1224. (See Farnborough, Hants: Royal Air-
craft Establishment. Lib Tr No 363.)

Science Museum Lib No 51/0655 — London

Sci & Cnt RT 465

Ob AN SSSR, Vol. LXXIII, No 6, pp. 1225-8

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

Proj 7171

70254

NOV 17 1950

Oban SSSR, LXXIII, No. 6, 1950,
pp. 1229-30.

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

DEC 23 1950

Proj. 7564

V
Reactions of Photoreduced Form of Chlorophyll, by
A. Krasnovskiy, G. P. Brin.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol LXXIII,
No 6, 1950, pp 1239-1242.

12/11/50-12/11/50
AEC TT 1021
AEC/UCRL 90

16,435
AT-2034

Scientific - Chemistry

Dec 1951 C18

Metasomatic Replacements in Lucastine Ore
Deposits of Various Types at the different
Stage of Lake Life, by B. P. Krotov.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXIII,
1950, pp 1263-1265.

ASIRO

Sci - Min/Met, Biol
May 62

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 61-28103

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

Vaiser, V. L.

ALKYLATION OF SOME AROMATIC HYDROXY
COMPOUNDS WITH ACETYLENE IN THE PRES-
ENCE OF A CATALYST BASED ON BORON TRI-
FLUORIDE (Alkilirovaniye Nekotorykh Aromaticeskikh
Oksisodinenii Atsetilenom s Pomoshch'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. Vaiser, V. L.
II. ATS RJ-357

Office of Technical Services

On the Synthesis of the Hydroperoxide of
7 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 N. A.
Izmailov, et al., ~~ix~~ 8 pp UNCLASSIFIED

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

Sci Tr Center

SLA, ~~Kr~~-1031

LOTS of SLA 63-18995

Scientific - Chemistry

15,367

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. Krasnovskiy.

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. Mineev et al.

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

Assoc Tech Sv RJ-62

Sci - Medicine

\$7.50 (\$1.25)

Aug 54

17,131

A New Species of Monogenetic Trematode From
Far-Eastern Turtle *Amyda Sinensis*, by
Yu. A. Strelkov.

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

Kondorskil, 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 Melkodispersnykh 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 m\$2.40

ph\$3.30 as 60-14159 and from SLA as RT-2022, 10p,

AEC 41 396 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. Kondorskil, E.
II. CNRS-X 196
III. Centre National de la Recher-
che Scientifique, Paris

Office of Technical Services
European Translations Centre

DD

DAN

Vol 74, # 2, pp 237-40 (1952)

The "Spheroidization" of Metallic Particles

V.I. Danilov +
D.S. KamenskayaAEC L. 375
Benshanen

174 T65

KLYUCHENKO, N. G.

Doklady Akademii Nauk Sssr, vol. 74, 1950, #2, pp.
267-269, 2 tables, 1300 words.

Part Played by Chromous Chloride and Hydrogen in Ch-
romizing.

Butcher Trans, Order No. 2603, \$2.60.

The Problem of the Structure of Merocyanine Dyes, by
I. I. Levkoev, N. N. Sveshnikov, E. B. Livshits,
9 pp.

Full translation.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXIV, No 2,
1950, pp 275-278.

CIA/FDD/X-970

USOR

Scientific - Chemistry

CTS/DEX

3824

DAN, 74, No 2 Hc 299-301

"Isotopic Exchange of H-Bond
to Silicon"

I. S. Khasin

DEC 28 1950

Prq 75 30

NED

Temperature Dependence of the Surface Tension of
Water, by L. D. Volyak, 8 pp.

RUSSIAN, per, Doklady Akad Nauk SSSR, No 74, 1950,
pp 307-310.

AEC-Tr-7203-70

Sci/Earth

Jan 71

Action of Galvanic Elements and Electrochemical
Corrosion of Metals in Dielectrics, by L. G.
Gindin, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXIV, No 2,
1950, pp 311-313.

CIA FDD XA-1327
NO FOREIGN DISSEM

Sci

Feb 63

USIB INTERNAL USE ONLY

221,572

DAN SSSR Vol. ~~LXXIV~~ No. 2,
Sept. 11, 1950, pp. 315-8.

RT-1938

V. B. Postigeyer, V. A. Savrilova
and A. A. Krasnopyshkin, Concerning
the Quenching of the Fluorescence
of Chlorophyll and Magnesium
Phtthalocyanine and the Interaction
of These Pigments with the
Quenching Substance.

prj 7759

SR 7 Feb '51

Comparative Study of Solanine, Demissine and Tomatine,
by S. M. Prokoshev.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol 74, 1950,
pp 339-342.

*NTIS TT 72-51056

Aug 72

Heat Treatment of Twinned Iron Crystals,
by R. I. Garber, I. A. Gindin, M. G.
Konstantinovski, V. T. Starcev. URCL

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXIV,
No 2, 1950, pp 343, 344.

DSIS, DRB, Canada
T 260 R

Sci - Chem
Jun 59

89,569

Dok Ak Nauk SSSR Vol 74 No 3 405-7 1950

New Unit of Measuring the Activity of the Hypophysis in
fish. by Alpatov, V. V. and Storganov, N.S.

in process at ENL 29 June 1951

The Photomultiplier Tube Photon Counter, by
S. F. Rodionov, A. L. Osherovich, 8 pp.

RUSSIAN. per, Dok Ak Nauk SSSR, Vol LXXIV, 1950,
pp 461-463.

AEC TT-850

Sci - Phys
May 60

118,434

Reaction of Activators in Phosphors, by Z. A.
Trapeznikova, 7 pp.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol
XXXIV, No 3, USSR, 1950, pp 465-468.

CIA/FDD/X-1144

Sci. Chem

7570

13 238

Ca-1

EIDUS L. Kh., BLINOVA N. M., VIDENSKII V. G.,
SUVOVOROV L. D.

A study of the width of showers of cosmic particles at sea
level

Dokl. Akad. Nauk SSSR, 74, No. 3, 477-480 (1950)

TT 370 - English

E u r a t o m

AFC TR 370

U-1912

See also
1542-

Radiation of Asymmetric Electromagnetic Waves
from the Open End of a Circular Waveguide, by
L. A. Vainshtein, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXIV, No 3,
1950, pp 485-488.

SLA Sci TR Center
RT-1484

Scientific - Physics

18,925

Excitation of a Helical Line, by S. Kh. Kogan,
6 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol LXXIV,
No 3, 1950, pp 489-492, Encl to Report No
IR-325-55, 25 May 1955. CIA D 256294

29,306

AF 671190

Scientific - Physics

Dec 55 CTS/DEX

Synthesis of Organophosphorus Aromatic Compounds by Means of Lithium Reagents, by B. N. Mikhailov, N. P. Kucherova, 9 pp.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol LXXIV, No 3, 1970, pp 501-504. CTR D 151179

NR

Scientific - Chemistry

CTB 66/Mar 1955

22,185

U.A.N. S.S.R., LXXV, No. 3, pp. 501-

Proj 7931

FEB 27 1951

-4

B. M. Mikhailov and N. F.
Kucherova. Synthesis of
Organo-phosphorus Aromatic
Compounds by Means of
Organo-Pyridine Reagents. (over)
[Recent USSR Work on "Cancer-
genic Substances. Agents Containing
Phosphorus" - (Collected Report)]

DAN SSSR, Vol LXXIV, No 3, pp 513-15

A. I. Brodskiy, L. V. Sulima, "Delayed Exchange of
Hydrogen in Solutions of Ammonium Salts".

8972

174T3

SR 29/5/51

L. M. Bl.

Mechanism of Protection of Lyophobic Sols by High
Molecular Compounds, by E. M. Katanson, 7 pp.

DSSHAN, thrice-mo per, Dok Ak Nauk SSSR, Vol
XIV, USSR, 1950, No 3, pp 516-519.

CIA/FDD/X-1145

su - kem 756'

Adsorption From Aqueous Solutions of Mixtures of
Surface-Active Substances, by A. B. Taubman, 6 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol LXXIV,
No 3, 1950, pp 521-524.

Sci Mus Lib No 54/1378

SLA 61-13691

DSIR LLU M.2126

Scientific - Chemistry

Aug 54 CTS

16,782

Comparison of Dynamic and Static Methods for Investigating Viscoelastic Properties of Monolayers of Proteins, by A. A. Trapeznikov, 9 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol LXXIV, No 3, USSR, 1950, pp 525-528.

CIA/FDD/X-1148

7563

Sci Chem

Dec 1953 CT9

Enzymatic Synthesis of Glycocoll From Glyoxylic
Acid, by S. R. Mardashev, L. A. Semina, 8 pp.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol LXXIV,
No 3, 1950, pp 537-540. ~~CIA D 151132~~

NIA

Scientific - Biology

OTS 66/Mar 1953

22,211

Mineralogical composition of quaternary clays of the
White Russian SSR, by V. N. Sharat.

RUSSIAN, per, Dok Ak Nauk, SSSR, Vol 74, No (3),
1970, pp 591-4.

JLA 60-13712
Sci Museum Lib No 51/2063 - London

See Also Watford: Bldg. Research Lib. Commun.
No 553.

DOIR LLO M. 998

Econ - Minerals
Sci - Minerals

~~MOZGOV~~
~~SAKHAROV, V. B.~~
SAKHARIN, A. N.

DOKLADY AKADEMII NAUK SSSR, vol 74, No 4, 1950

Solubility of Nitrogen in Liquid Chromium and
Chromium-Silicon

Bratcher Tr 2637, \$2.20

On the Problem of the Drift of Meteor Trails, by
V. P. Sesevich

Full translation.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXIV, No 4, 1950
pp 677-680.

Def Sci Info Sv,
DRB Canada, T.97.R.

Scientific - Astronomy Jul 53 CTS/DEX

4163

DOKLADY AKADEMII NAUK SSSR
Vol LXXIV, No 4, Oct 1950 pp 681-685

Proj No 759v

ST-154

"Concerning the Invariant Construction of the
Quantum Theory of a Field", N. N. Bogolyubov,
V. L. Bonch-Bruyevich, and B. V. Medvedev

Date: **FEB 27 1951**