

Belyaeva, M. I.
PRODUCTION OF METHANE FROM HYDROGEN
AND CARBON DIOXIDE BY PSEUDOMONAS
PANTOTROPHA AND BACILLUS HYDROGENES
CULTURES (Obrazovanie Metana iz Vodoroda i
Uglekisllogo Gaza Kul'turami Pseudomonas Pantotropha
i Bacillus Hydrogenes). [1962] [6]p. 11 refs.
Order from OTS or SLA \$1.10 62-24621

Trans. of Kazan U. Uchenye Zapiski (USSR) 1954,
v. 114, pt. 1, p. 19-22.

DESCRIPTORS: *Methanes, *Hydrogen, *Carbon di-
oxide, *Pseudomonas, *Anaerobiology, Biosynthesis,
Hydrocarbons, *Petroleum.

Under anaerobic conditions the hydrogen bacteria
Pseudomonas pantotropha and Bacillus hydrogenes
proved free to split off hydrogen contained in carbon
(Biological Sciences--Biochemistry, TT, v. 8, no. 11)
(over)

62-24621

- I. Title: Bacillus hydrogenes
- I. Belyaeva, M. I.
- II. Bureau of Mines, Washington
D. C.
- III. Royer and Roger, Inc.,
Washington, D. C.

Office of Technical Services

Calculation of the Errors of Spectral Analysis
by Continuous Measurement, by I. S. Fishman,
A. L. Stolov.

RUSSIAN, per, Uchenye Zapiski Kazansk Gos Univ,
Vol CIV, No 12, 1955, pp 57-71.

ML M 10027

Sci - Phys
May 68

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Calculation of the Errors of Spectral Analysis by
Continuous Measurement, II, by I. S. Fishman,
A. E.L. Stolov, 32 pp.

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Vol CXV, No 12, 1955, pp 77-71, 9206061.

AEC/HP Tr ~~812~~ 937

OTS 63-23479

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Sci - Phys

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Texture Effect of the Anodic Behavior of Copper
in Solutions of Certain Electrolytes, by F. F.
Fayzullin, I. P. Desideryeva, N. E. Timoshenko,
20 pp.

RUSSIAN, per, Uchenye Zapiski Kazan Gosudarst
Univ imeni V. I. Ul'yanova-Lenina, Vol CXV,
1955, pp 123-137.

AEC Tr 3237

Sci - Physics
Jun 58

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Texture Effect on the Anodic Behavior of Zinc in
Solutions of Certain Electrolytes, by F. F. Fay-
sullin, 17 pp.

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pp 139-150.

AEC Tr 3250

Sci - Phys
Jun 58

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Stability of a Rectangular Cylindrical Panel
Rigidly Clamped at the Edges Located in a Non-
Uniform Temperature, by M. S. Ganeyeva.
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pp 41-44.
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Sci/Phy
Nov 69

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Oscilligraphic Investigation of the Anodic Behavior
of Iron in NaOH Solutions, by F. F.
Faizullin, E. D. Kochman, A. I. Turashev, 5 pp.
UNCLASSIFIED

RUSSIAN, per, Uchenye Zapiski Kazanskogo Gos Univ.
Vol CXVI, No 5, 1956, pp 77-81.

Navy Tr 1691/NRL 662

ATS RT-4157

Sci - Min/met
May 58

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Research with the Aid of Radioactive Phosphorus In-
to the Speed of Liquid Food Passing Through the
Intestinal Sections of a Bee, by S.V. Zhdanov,
U.A. Dolltovskaya.
RUSSIAN, per, Uch. Zap. Kazanskogo Gos. Univ.
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1956, pp 57-64.
(NRC/Ref: C-4956)

Sci -
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Production of Methane From Hydrogen and
Carbon ~~CO₂~~ Dioxide by Pseudomonas Pantotropha
and Bacillus Hydrogenes Cultures, by M. I.
~~Belova~~ Belyaeva.

RUSSIAN, per, Uchenye Zapiski Kazan Gosudarst,
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CXIV, No 1, 1954, pp 19 22.

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Sci - Min/Met

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Some Methods of Depositing Metals on Plastics
by V. A. Vostresenskiy and P. F. Fayzulin,
6 pp.

RUSSIAN, per, Uchenyye Zapiski Kazanskogo
Ordenskogo Tekhnicheskogo Universiteta. Geografi-
ya i Ekonomika Kazani. V. 1. Uchenyye Zapiski,
Obshchestvennaya Nauka, No 5, Vol II 6,
1960, pp 69-72. 9897188
FTD-TT-64-1259

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Simulation of a Teaching System Related
to the Process of Creativity by M.S.Tyvtvinskaya,
pp 45-48,

RUSSIAN, Uchenye zapiski, Kazan Universitet, 1965
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Unsymmetrical Cyanine Dyes: The Problem of the
Nature of the Chromophore of Polymethin Dyes, by
A. I. Kiprianov, G. T. Pilyugin, 17 pp.

RUSSIAN, per, Ucheni Zapiski Kharkivskogo Dershav-
nogo Universiteta imeni A. M. Gor'kogo, Vol III,
no 16, 1937, pp 91-107.

Sci Mus Lib Tr 57/1420

Sci - Chemistry
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Application of the Similarity Method To
Investigate the Movements of Powerful
Beams of Charged Particles in High
Voltage Electrostatic Fields by A. K.
Val'ter and V. Ye. Pikel'shtayn, 9 pp.

RUSSIAN, per, Uchenyya Zapiski ~~MDA~~
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Vol ~~№~~ 6, No 64, 1955, pp 95-100.
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Sci - Elec

Sept 63

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Absorption of Supersound in Polycrystals, by
I. M. Lifshitz, G. D. Parkhomovskiy, 11 pp,

RUSSIAN, per, Uchenye Zap Khark Gosud Univ,
imeni A. M. Gorkogo, No 27, pp 25-36.

Sci Ma Lib Tr No 55/0216

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Scientific - Chemistry

May 55 CTS

Gravity in Paratsk, Sviyazhsk and Raifa in the Tatar
Republic From Determinations of 1930, by
G. Agafonov, S. Nekrasova.
RUSSIAN, per, Ucheniye Zapiski KGU, Vol XC, No 1,
pp 80-96.
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TC-698

Sci - Earth Sci & Astron
Dec 64

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Migal', P. K. and Pushnyak, A. N.
THE ASSOCIATION OF POLAROGRAPHIC DIFFUSION
CURRENTS WITH HEAVY METALS COMPLEX-
FORMATION IN SOLUTIONS OF CERTAIN ORGANIC
ADDENDA. [1962] 9p. 10 refs.
Order from OTS or SLA \$1.10 62-18699

Trans. of Kish[inev U.] ~~Uchenye Zap[iski] (USSR)~~
1960, v. 56, p. 171-177.

DESCRIPTORS: Solutions, *Amines, *Ethanolis,
*Metals, *Complex compounds, *Polarographic
analysis, Diffusion.

An investigation of the density and viscosity of solutions
of monoethanolamine, diethanolamine and triethanol-
amine in 0.1 M aqueous KNO₃ was carried out. The
density and viscosity increase with increase in the num-
ber of cnol groups in the amines. The dependence of the
change in the value of the polarographic diffusion current
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62-18699

I. Migal', P. K.
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Some Properties of Thin Films in the Cu-Se and
Cu-Te Systems, by G. P. Sorokin,
RUSSIAN, per, Uch. Zap. Kishinevsk. Gos. Univ.,
Vol XLIX, 1961, pp 123-128.
ATS RJ-4700

Sci-Phys
Jul 67

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Certain Electrical Properties of Thin Films
of the GaFe System, by V. I. Gramatskiy
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RUSSIAN, per, Kishinev. Universitet.
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Sci-Electronics & Elec Engr
Feb 68

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Malinaki, K. K.

ON THE DERIVATION OF NECESSARY CONDITIONS
IN THE VARIATIONAL MOVING BOUNDARY PROBLEM
FOR DOUBLE INTEGRALS. [1963] 9p. 5 refs.

Free copies available from Boeing Scientific Research
Labs. Library as Boeing Trans. R70. When supply is
exhausted, order from OTS or SLA \$1.10, 63-16992.

Trans. of Leningrad U. Uchenye Zapiski (USSR) 1950,
no. 137, p. 198-203.

DESCRIPTORS: *Calculus of variations, *Integrals,
Integration.

(Mathematics, TT, v. 10, no. 7)

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- I. Malinaki, K. K.
- II. Boeing Trans-R70
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Labs., Seattle, Wash.

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Study of the Reflecting Power of the Moon's Surface,
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No 153, 114, 1952. CIA 9078023

STL-TR-61-5110-23

Sci - Astron

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Distribution of Space Charge Concentration in the
Next-to-the Earth Layer and in the Free Atmosphere,
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RUSSIAN, per, Uchenye Zapiski Leningradskogo U,
No 219, 1956, pp 64-71.

Navy Tr 1738/NRL 669

Sci - Geophys

May 58

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Atomic Transition Probabilities, by A. A. Nikitin.

RUSSIAN, per, Leningrad U Uchenye Zapiski, No 190,
1957, pp 3-17.

*PL-480

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Iodimetry In U^ltra-Violet Light by K.P. Stolyarov.

RUSSIAN, per, Uchenye Zapiski Leningradskogo Ordena
Lenina Gosudarstvennogo Universiteta Im. Zhdanova,
No 211, 1957, pp 92-104.

CSIRO Tr 4273

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The Rate of Scale Formation on Metals and Alloys:
The Kinetics of Scale Formation on Iron Alloys With
Chromium at High Temperatures in the Atmosphere of
Water Vapor. The Structure and Composition of the
Scale Formed, by V. V. Ipat'ev, V. V. Sibirskaia.

RUSSIAN, per, Leningrad U. Uchenye Zapiski, 1957,
No 227.

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Sci
Jul 53

The Main Trends of the Work of the Expedition Which Studied the Reproduction of Fish Stocks in Relation to Hydraulic Construction (1952-1955), by N. L. Gerbil'skiy.

RUSSIAN, per, Uchenyi Zapiski Leningradskogo Universiteta, No 228, 1957, pp 3-6.

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Sci - Biol
Sep 60

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Danilevskii, A. S. and Glinyanaya, E. N.
VARIATION OF THE GONOTROPHIC CYCLE AND
THE IMAGO DIAPAUSE WITH THE LENGTH OF
THE DAY IN BLOOD-SUCKING MOSQUITOES. [1961]
[16]p. 9 refs.
Order from OTS or SLA \$1.60

61-23973

Trans. of Leningrad Li. Uchenye Zapiski (USSR) 1958,
[no. 240] p. 34-51.

DESCRIPTORS: *Mosquitoes, Ecology, Age, Growth,
Sex, Hormones, Climatic factors, *Photosensitivity,
*Light adaptation.

The seasonal change in the duration of daylight is the
principal ecological factor that regulates the onset of
the imago diapause in the ordinary and malarial mos-
quito. The photoperiodic reaction is manifested only
in the females of the species tested. Changes in the
(Biological Sciences--Ecology, U.S.S.R. no. 4)(over)

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I. Danilevskii, A. S.
II. Glinyanaya, E. N.
III. Translations, New York

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The Biology of the Pear Tortricid (*Carpocapsa
pyrivora* Danil), by G. G. Shel'deshova.

RUSSIAN, per, Uchenye Zapiski Leningrad
G Univ., No 240, 46, 1958, pp 88-121.

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Sci -- Biol

Apr 62

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Problems of the Lamb Type for the Wave Equation
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A. S. Alekseyev, 68 pp.

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FTD-TT-61-191

Sci - Electron, Phys

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Zakharova, A. F.
RADIATION REGIME OF NORTHERN AND
SOUTHERN SLOPES (IN THE USSR) IN RELATION
TO GEOGRAPHICAL LATITUDE (Radiatsionnyi
Rezhim Severnykh i Yuzhnykh Sklonov v Zavisimosti
ot Geograficheskoi Shiroty) tr. by Nina A. Stepanova.
July 61 [25]p. 14 refs.
Order from OTS or SLA \$2.60

61-27775

Trans. of Leningrad U. Uchenye Zapiski (USSR) 1959,
no. 269, p. 24-49.

DESCRIPTORS: Earth, Surfaces, *Thermal radiation,
*Weather stations, Climatic factors, Angle of arrival,
Sun, Cosmic rays, Wave transmission, Mountains.

The difference in the incidence angle of the sun's rays
to slopes is the basic factor controlling the radiation
regime of northern and southern slopes of varying
(Earth Sciences--Meteorology, TT, 7, no. 6) (over)

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I. Zakharova, A. F.
II. Weather Bureau,
Washington, D. C.

Office of Technical Services

Meier, V. A., Kuvakdin, V. A., and Bogdanov, B. N.
AMK-T TRANSISTORIZED APPARATUS FOR
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Order from ATS \$9.75 ATS-09Q73R

Trans. of Leningr[ad] U. Uch[enye] Zap[iski] (USSR)
1962, no. 303, p. 267-273.

DESCRIPTORS: *Well logging, Transistors, Nuclear
industrial applications, Electronic equipment,
Magnetic properties.

(Earth Sciences--Geology, TT, v. 11, no. 10)

TT-64-1207

- I. Title: AMK-T transistor
- I. Meier, V. A.
- II. Kuvakdin, V. A.
- III. Bogdanov, B. N.
- IV. ATS-09Q73R
- V. Associated Technical Services, Inc., East Orange, N. J.

Office of Technical Services

Evropeltseva, N. V.
COMPARATIVE ANALYSIS OF THE DESMOLTIFICATION PROCESS AMONG THE YOUNG OF DIFFERENT ECOLOGICAL FORMS OF ATLANTIC SALMON (Sravnitelny Analiz Protsessa Desmoltifikatsii u Molodi Raznykh Ekologicheskikh Form Atlanticheskogo Lososia) tr. by G. N. Kulikovskii. 1963 [31]p. (figs. omitted). FRBC Trans. Series no. 431.
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Trans. of Leningrad U. Uchenye Zapiski (USSR) 1962, no. 311, p. 46-73.

DESCRIPTORS: Fishes, Marine biology, *Salmonidae, *Rhythm (Biology), *Adaptation (Physiology), Growth, Environmental tests.

(Biological Sciences--Zoology, IT, v. 10, no. 8)

63-22234

- I. Evropeltseva, N. V.
- II. FRBC Trans-431
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- IV. Fisheries Research Board of Canada
- V. Bureau of Translations (Canada)

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Experimental Analysis of Processes Associated With
Poisoning by Non-Volatile Phenols in Baltic Salmon
During Their Larval Period of Life, by M. F. Vernidub.
RUSSIAN, per, Uchenye Zapiski Leningrad Gosudarst-
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Fisheries Research Board
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Sci - Biol

Mar 64

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Influence of External Factors Upon the Development
Cycles of the Simplest Parasites, by E. M. Kheisin,
19 pp.

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No 4, 1937, pp 41-52.

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Scientific - Biology

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Jul 54 CTS

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Uchenye zapiski Leningradskogo gosudarstvennogo universiteta,
Seriya biologicheskikh nauk, 35(9): 143-148. In Russian.

Transl. by Transl. Bur., Fgn. Lang. Div., Dept. of Sec. of
State of Canada, for FRBC Freshwater Institute Winnipeg,
Man., 1971, as Transl. Series No. 1933, 8p., typescript.

Avail. on Loan - NMFS, Wash., D.C.

Original Article Checked *MR*

Principal Results of the Work of the ~~EXPEDITION~~
Expedition Concerning the Production of Fish
Stocks in Association With Hydroelectric Construction
(1952-1955)

RUSSIAN, per, Uchenye Zapiski Leningradskovo
Gosudarstvennovo Universiteta, No 228, Seria
Biologicheskikh Nauk, No 44, 1957, pp 3-10.

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Feb 64

Ways of Developing Intraspecific Biological
differentiation, Types of Anadromous Migrants, and
the Question of the Migratory Impulse in Sturgeons
by N. L. Gerbil'sky 42 pp.

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Transformation to Smolt Stage and Downstream
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36 pp.

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1957, pp 117-154.

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Sci - Biol
Mar 60

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THE STATE OF THE SEXUAL GLANDS IN THE HUMPBACK SALMON
AT VARIOUS STAGES OF ITS LIFE CYCLE IN RELATION
TO ACCLIMATIZATION IN THE BASINS OF THE WHITE AND
BARENTS SEAS, BY G. M. PERSOV, O. F. SAKUN, 18 PP.

RUSSIAN, PER, UCHENYYE ZAPISKI LENINGRAD GOSUDARST
UNIV IMENI A. A. ZHDANOVA -- SER BIOL NAUK,
VOL CCCXI, NO 48, 1962, PP. 92-108.

JPRS 18863

SCI - BIOL & MED
APR 63

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AN ANALYSIS OF THE EFFECT OF THE NARVSKAYA
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NAROVA RIVER, BY I. A. BARANNIKOVA, 19 PP.

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JPRS 18863

SCI - BIOL
APR 63

228,670

HYDROBIOLOGICAL CHARACTERISTICS OF THE TAIL
WATER OF THE NAROVA RIVER IN RELATION TO
REGULATION OF ITS FLOW, BY L. A. BELOGOLOVAYA,
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JPRS 18863

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APR 63

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Bombardment of Metallic Surfaces With Positive
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AEC Tr 1151

Scientific - Chemistry, physics

Part II. Electronic and Optical Phenomena and
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of Monomolecular Films, by A. I. Ansel'm.
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NASA TT F-11,153

Sci-Electr
Sept 67

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Quantum Mechanical Calculation of Charge-Exchange
Probability During Collisions, by Yu. N. Demkov.

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*NASA TT F-121

Sci - Phys
9 Jan 63

On the Reflection of Radiation by the Sea, by K. Ya.
Kondrat'yev, N. Ye. Ter-Markaryants, 10 pp.

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No 210, Ser Fiz Nauk, No 9, 1956, pp 47-56.

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SLA 61-31614
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Sci - Phys
Sep 61

The Study of the Ion Recombination Constant in
Turbulent Atmosphere, by V. B. Millin, P. N.
Tverskoy. UNCLASSIFIED

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Navy Tr 1785/NRL 671

Sci - Geophys

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Jul 58

The Frequency Method of Measurement in Logging
Magnetic Susceptibility, by Yu. I. Kurdryavtsev,
15 pp.
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Fiz Geol Nauk, No 12, 1960, pp 87-98.
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Sci - Physics
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On the Theory of the Growth of Crystals, by O. M.
Anshales, 30 pp.

RUSSIAN, par, Uchenyye Zapiski, Leningrad
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JPRS-L-1043-N

Sci - Chem
Nov 59

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Rate of Oxidation of Iron in Air and in Oxygen at
High Temperatures, by V. V. Ipat'yev, V. I.
Tikhodirov.

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Gosudarst Univ imeni A. A. Zhukhanova, No 175,
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BIBI 3197

Sci - Chem
Aug 63

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Oxidation Rate of Iron and Steam in Carbon
Dioxide Gas at High Temperatures, by
V. I. Tikhomirov, I. A. Gofman.

RUSSIAN, per, Ucheniya Zapiski Leningrad
Gosudarst Univ imeni A. A. Zhdanova, Seriya
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pp 21-35.

BISI 3198

Sci - N/M
Aug 63

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Oxidation Rate of Iron in Mixtures of Steam
With Oxygen or With Hydrogen, by V. I.
Tikhonirov, I. A. Gofman.

RUSSIAN, per, Uchenye Zapiski Leningradskogo
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Zhurnal, No 175, No 14, Part I, 1974,
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BISI 3199

Sci - M/M

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Micrographic Analysis of the Oxidation Kinetics of Iron,
by V. I. Tikhomirov, V. V. Ipat'yev.
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imeni A. A. Zhdanova, No 175, Seriya Khim Nauk,
~~№~~ No 14, Part I, 1954, pp 52-70.
BISI 3200

Sci - Phys
Apr 64

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Photometry in Ultra-Violet Light, by K. P.
Stolyarov, 21 pp.

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Gosudarst Univ No 211, Ser Khim Nauk, No 15,
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SLA 60-15381

Sci
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Determination of Eccentricity in X-Ray Powder
Cameras, by E. C. Averbukh, S. S. Tolkachev,
9 PP.

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No 15, 1957, pp 223-229.

AEC GAT-Z-5025

Sci - Phys
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Functionally Invariant Solutions of Equations of
the Second Order in Two Independent Variables, by
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ABC XDC-58-10-9

S41 - Phys

Doc 58

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SC-T-713041 Uncl.

ELASTIC VIBRATIONS OF AN ANISOTROPIC BODY. Sveklo,
V. A. Translated for Sandia Labs., Albuquerque, N. Mex., from
Uch. Zap. Leningrad. Gos. Univ., Ser. Mat. Nauk; Mekh;
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mathematics; physics; translations

ND-34 P RC

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On a Variational Method in the Theory of Analytic Functions, by G. M. Goluzin, 14 pp.

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Sci - ~~ESSE~~ Math/Data Proc

Aug 63

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Approximate Estimates of Certain Atomic Parameters
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croorganisms, *Disease carriers, Infections, *Agri-
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