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

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ASAC HQA-315/101
CIA 68-10

Sol. - Astrophys.

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No. 7, 1958, pp 67-81.

Assoc Tech Serv 75-215

Sci - Geophys

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The Asymptotic Stability in the Large of the Trivial Solution of a Dynamical System of Two Differential Equations, by N. H. Vinogradov, 14 pp.

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Fed Inst A. M. Gor'k, No 7, 1957, pp 145-158.

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Sci - Math

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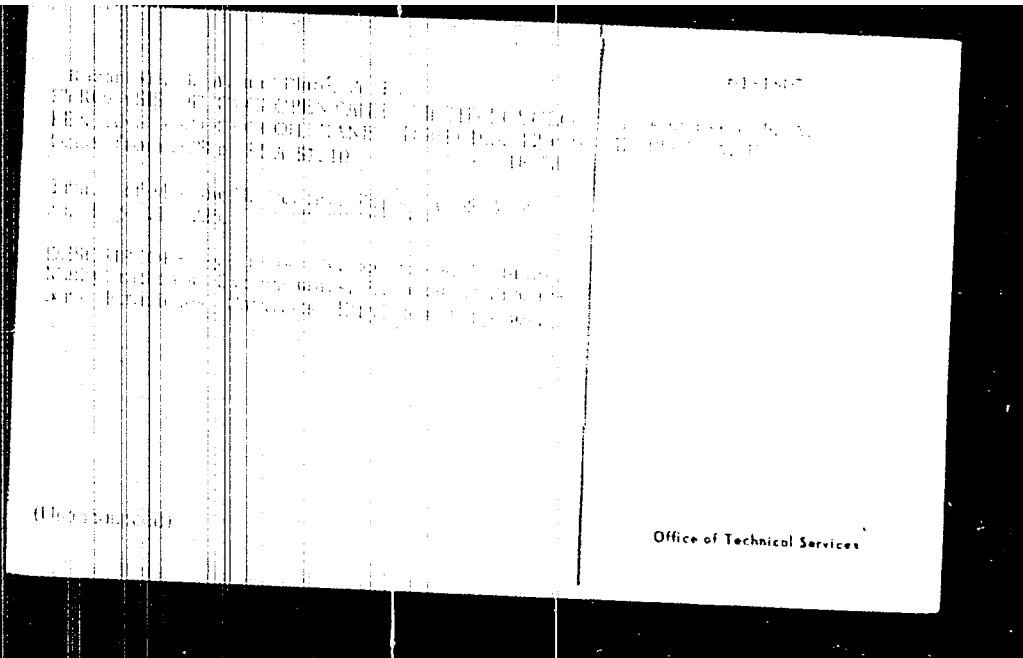
Comparative Study of Blood in Freshwater Fish, by
V. B. Adrianov.

RUSSIAN, per, Uchenie Zapiski Moskovskogo Gosudar-
stvennogo Universiteta, No 9, pp 5-16.

Dept of Interior
SH211 182, No 219

Sci - Biol
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Detection and Determination of Naphthalenesulfonic
Acid in the Presence of Beta-Isoner, by A. P.
Terent'ev, K. K. Magaran; 10 p.

RUSSIAN, par, Moscow, U. Uchayye Zapiski,
1936, No 6, pp 207-211.

BLA 59-17812

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Vol III, No 2

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The Influence of Reaction Conditions on the Yield of Picric Acid in the Nitration of Acetanilide, by A. F. Terent'ev, E. M. Kedrov, 36 pp.

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Sci Tr: Org 10-3103

Scientific - Chemistry

34, 9/3

May 56 053/dax

Rubinshtein, A. M., Preobrazhenskaya, K. P., and Chernomorskaya, L. S.
CATALYTIC OXIDATION OF ORGANIC COMPOUNDS WITH CARBON DIOXIDE, I. [1961 7p. 14 refs.
Order from OTS or SLA \$1.10 61-18150

Condensed trans. of Moscow U. [Uchenye Zapiski] 1936, no. 16, p. 287-296.

DESCRIPTORS: Catalysts, Catalysis, Oxidation, Organic compounds, Carbon dioxide, Vaporization, Ethanol, Alcohols, Tin compounds, Calcium compounds, Vanadates, Vanadium compounds, Molybdenum compounds, Oxides, Uranyl radials.

(Unannounced)

61-18150

I. Rubinshtein, A. M.
II. Preobrazhenskaya, K. P.
III. Chernomorskaya, L. S.

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1937
Uchenye Zapiski Moskovsk Gosud Univ No 9, pp 162-82

"On the Biology of Some Mud Representatives of the
Chironomidae,"

by M. I. Sinitsa (T. J. Ssinitza)
Lab of Hydrobiol and Physico-chem Biol
Moscow St Univ, Sci Res Inst of Zoology

Translated at the National Institutes of Health
Bethesda, Maryland

Available: FDD Library in Nat Inst of Health File

Krech, I. K.
DE ELEKTRISCHE EIGENSCHAPPEN VAN VANADIUM-
PENTOXIDE (Electrical properties of vanadium
pentoxide) tr. by G. B. J. Overbeek: 3p, 22 refs.
MTWL: 827. (Text in Dutch).
Order from CTS or ETC: \$1.85 61-17386

Trans. of Moskovskii Gosudarstvennii Universitet.
Uchenye Zapiski (USSR) 1938, v. 1 (XIV), no. 1,
p. 54-71.

DESCRIPTORS: *Vanadium compounds; *Oxides,
Electrical properties.

61-17386

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Sigryanski, A. M.
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Perenoschiki Boleznii Sel'sko-Khozyaistvennykh Raste-
nii). June 61 [21]p. 20 refs. RTS 1839.
Order from OTS or SLA \$2.60

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Trans. of Moscow U. Uchenye Zapiski (USSR) 1940,
no. 42, p. 167-177.

DESCRIPTORS: *Mites, Viruses, Transmission, Mi-
croorganisms, *Disease carriers, Infections, *Agri-
culture, USSR, *Cereals, *Seeds, Fungi, Spores.

(Agriculture--Plant Cultivation, TT, v. 6, no. 9)

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I. Sigryanski, A. M.
II. RTS-1839
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185543

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Investigation of the Thermal and Electrical
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Region of 100°C to the Temperature of Fusion, by
V. Ye. Mikheev, S. N. Rabotnov.

RUSSIAN, PER, Moscow J. Uchenyye Zapiski, No 74,
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SLA 60-16508

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ON THE THEORY OF GENERALIZED DYNAMICAL
SYSTEMS. July 62 [88]p. 10 refs.
Order from OTS or SLA \$3.60 63-10167

Trans. of Moscow U. Uchen[ye] Zapiski (USSR)
[1950] v. 135, p. 110-133.

DESCRIPTORS: *Topology, Transformations
(Mathematics), Integral equations, Trajectories,
Applied mathematics, Theory, *Control systems.

Considered are questions concerned with the evaluation of dynamical systems which are subject to choice of the system at each time. Problems such as these arise when we consider control of dynamical systems or dynamical systems subject to unknown disturbances. General results are achieved in this paper concerning the axiomatic treatment of such systems. (Author)
(Mathematics, TT, v. 10, no. 2)

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1. Barbashin, E. A.

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Havinson, S. Ya.
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OF ANALYTIC FUNCTIONS (O Nekotorykh
Ekstremal'nykh Zadachakh Teorii Analiticheskikh
Funktsii)

Allen Shields, tr. 1963, 16p 22refs
Order from AMS in American Mathematical Society
Translations, 1963, ser. 2, v. 32 (p. 139-154)

Trans. of Moscow U. Uchenye Zapiski (USSR) 1951,
no. 148, p. 133-143.

DESCRIPTORS: *Functions, *Functional analysis,
Integrals, Taylor's series, *Complex variables.

(Mathematics, TT, v. 11, no. 9)

TT-64-12645 (p. 139-154)

- I. Havinson, S. Ya.
- II. American Mathematical
Society, Providence,
R. I.

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(K-2889).

Research on Adsorption by the Chemical Faculty of Moscow State University, by A. V. Kleslev,

RUSSIAN, per, Uchenye Zapiski Moskovskoy Ordena Lenina Gosudarstvennyy Universitet imeni M. V. Lomonosova, No 174, 1955, Moscow, pp 229-234.

*JPRS

Sci - Chem
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Shakhkeldyan, A. B. and Ambrozhi, M. N.
CORROSION OF A LEAD-SODIUM ALLOY. [1963]
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Order from OTS or SLA \$1.60 63-10979

Trans. of Saratov, U. Uchenye Zapiski (USSR) 1936,
v. 14, no. 1, p. 73-82.

DESCRIPTORS: *Corrosion, *Lead alloys, *Sodium
alloys, Electrolysis.

(Metallurgy--Corrosion, TT, v. 10, no. 3)

63-10979

I. Shakhkeldyan, A. B.
II. Ambrozhi, M. N.

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(FDD 19551)

The Projective Transformation of Nomographs, by
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Ranognafija, Vol XXVIII, 1939, pp 115-140.

CIA/FDD/U-5507

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Application of Nyquist Diagrams to the Solution
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20 pp.

RUSSIAN, per. Uchenye Zapiski Moskovskogo Gosudarstvennogo Universiteta im. N. V. Lomonosova, Vol
XXXIV, No 5, 1949, pp 3-16.

Sci Trans Center RF-759

Scientific - Physics
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Structure Frequencies of Normal Vibrations and
Thermodynamic Functions of CH_3 , CH_2 , CH and C_2 Free
Radicals, by A. M. Gurvich, A. V. Frost, 22 pp.

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M. V. Lomonosov, Vol. CXXIV, 1953, pp 129-143.

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Sci - Chemistry
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Compounds of Beryllium, by A. V. Kovshelova,
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Reaction Occurring During Flow, by G. M. Panchenkov,
30 pp.

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Univ imeni M. V. Lomonosova, No 174, 1955, pp 53-74.

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SOUND, BY D. I. BLOKHINTSEV, 18 PP.

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Effect of Degree of Ordering on Magnetic Properties
of High-Permeability Alloys, by ~~SK~~ Svirina.

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M. L. Lomonosova, ~~1952~~ No 62, Fizika, No 6, pp ~~1952~~,
pp 111-120. 2.

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Chaplygin, S. A.
ON GAS JETS [O: Gazovykh Strujakh]. [1953] [121p]
Order from OTS, SLA or ETC \$10.10 TT-63-20347

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I. Chaplygin, S. A.
II. RT-2071

Trans. of Moscow U. Fiziko-Mekhanicheski Matematicheski Fakul'tet. Uchenyya Zapiski (USSR) 1904, no. 21 p. 1-121.
Another trans. is available from SLA as RT-2071.

DESCRIPTORS: *Gas flow, *Jets, *Adiabatic gas flow,
*Fluid dynamic properties, *Fluid mechanics.

(Mechanics, TT, v. 11, no. 2)

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Uchenye Zapiski Moskov. Gos. Univ. Matematika.
20, 1939 pp 3-13

On Inequalities Between Upper Bounds of Consecutive
Derivatives of an Arbitrary Function Defined on an
Infinite Interval, A. Kolmogoroff

Done by Am. Math. Soc. T-41
Info. taken from List of Trans.

On Some Extremal Problems of the Theory of Analytic Functions, by S. Ja. Nasonov.

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Amer Math Soc

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On the Existence of a Limiting Regime of a Certain
Non-Linear System of Ordinary Differential EQUATIONS
Equations, by B. P. Demidovic, 12 pp.

RUSSIAN, per, Uchenyye Zapiski Moskov, Gosudarst Univ
Ser Mat, No 8, 1956, pp 3-12.

Amer Math Soc

Sci - Math

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The Theory of Waves Generated by Oscillations of
A Body Under the Free Surface of a Heavy Incom-
pressible Fluid, by N. E. Kochin, 38 pp.

RUSSIAN, per, Uchenie Zapiski Moskovskogo
Gosudarstvennogo Universiteta, Mekhanika,
No 46, pp 85-106.

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Finite Span Wings in Compressible Flow, by
Ye. A. Krasilshchikova.

RUSSIAN, per, Izhen Zap Mosk Univ Mekh, Vol CLIV,
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Segments in a Dedekind Lattice, by M. S. Gel'fand,
6 pp.
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Amer Math Soc

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Spontaneous Formation of Centers of Crystallization in an Undercooled Melt in an Ultrasonic Field, by A. P. Kapustin,

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Sci - Chem, Crystallization
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On the Dissolution of Zinc in Alkalís
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RUSSIAN, per, Uch Zap Mosk Gos Pod Inst.
Vol. XCIX, 1957, pp 221-226.
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Sci-1/1
Jan 66

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TT-63-20822

Turovskii, Ya. A.
CONVERSION OF A WETTING LIQUID INTO A NON-
WETTING ONE. [1963] 6p 2ref.
Order from OTS, SLA, or ETC \$1.10 TT-63-20822

I. Turovskii, Ya. A.

Trans. of Moskovskii Oblastnoi Pedagogicheskii
Institut, Uchenye Zapiski (USSR) 1960, no. 92,
p. 73-78. (Abstract available)

DESCRIPTORS: *Surface-active substances, Liquids,
*Surface tension, Surface properties,

A convex meniscus was experimentally observed in two narrow glass tubes of different cross sections situated in a wide sealed tube containing isoamyl alcohol heated to a certain temperature. The meniscus in the narrower tube fell lower with respect to the liquid level outside the tubes than in the wider one. In this case, the isoamyl alcohol behaves like mercury which is non-wetting with respect to glass. Equations were derived. (Chemistry-Physical, TT, v. 11, no. 4) (over)

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(DC-2889).

Research on Adsorption by the Chemical Faculty
of Moscow State University, by A. V. Kiselev,
9 pp.

RUSSEAN, M., Uchenyye zapiski, No 74, Neorganicheskaya
Khimiya i Fizicheskaya Khimiya, 1955, pp 229-234.

JFRS-L-1814-D

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Chem
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Chernyshevskiy, Vol. XV, No 3, 1940, pp 82-89.

*ATIC-F-TS-8862/III

Scientific - Astronomy

Feb 56 CTS/DEK

Hold for more information

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Smirnova, A. D.
ON THE PROBLEM REGARDING THE PHYSIO-
LOGICAL ROLE OF MYCORHIZA. [1962] 8p. 14 refs.
Order from OTS or SLA \$1.10 62-20265

1. Title: Mycorhiza
1. Smirnova, A. D.

Trans. of [Saratov U. Uchenye Zapiski] (USSR) 1959,
v. 64 [p. 135-138].

DESCRIPTORS: Physiology, *Fungi, Plants (Botany),
*Trees, Growth, Mycology.

The study that has been carried out makes it possible
to draw the following generalized conclusion. An oak
(tree), under definite conditions of cultivation, can
grow fairly well without the formation of mycorhiza.
However, under the same conditions, the presence, in
it, of mycorhiza, enhances its possibilities of utilizing
nutritive substances in the soil and water, increases
its vital activity and, in the long run, leads to an
intensification of growth. (Author)
(Biological Sciences--Botany, TT, v. 9, no. 12)

Office of Technical Services

Problem of Applying Glow Discharge to Anemometry,
by S. N. Kutin, I. G. Chudaikov.

RUSSIAN, ~~Exper~~, Uchenye Zapisky Saratovskogo
University, No 70, 1961, pp 193-205.

*FTD-TP-63-626

Sci - Ear Sci & Astron
Jun 63