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Method of Storing Actinomycetes in a Dry State, by  
A. I. Korenyako, 5 pp.

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Moscow, 1954, pp 221-223.

CIA/FDD U-8448

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Sci - Biology, microbiology

~~36,545~~  
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(FDD 25530)

Isolation of Actinophages From the Soil, by E. S.  
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Moscow, ~~1954~~ 1954, pp 224-229.

CIA/FDD U-8449

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Sci - Biology, microbiology

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RUSSIAN, per, Trudy Instituta Mikrobiologii,  
Akademiya Nauk SSSR, Vol 1, No 1, 1955,  
pp 155-175. 9252973  
NASA TT F-414

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About the Activities of the Institute of Microbiology  
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Twenty-five Years, by A. A. Imshenetskiy.

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1958, pp 6-17. CIA 9042916

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Sci - Medicine  
Oct 59

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Slightly Soluble Minerals and Organic Substances  
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7 pp.

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Latviiskoi SSR, No 7, 1958, pp 67-75.

OTS 63-11006

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Sci - Agri  
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62-18851

Erusalimskii, N. D.  
ON THE LAWS OF GROWTH AND DEVELOPMENT  
OF MICROORGANISMS. [1962] [33 p. 26 refs.  
Free copies available from Boeing Scientific Research  
Labs. Library as Boeing Trans. R37. When supply is  
exhausted, order from OTS or SLA \$3.60, 62-18851

Trans. of Akademiya Nauk SSSR, Institut Mikrobiologii. Trudy, 1959, v. 6, p. 20-37.

DESCRIPTORS: \*Microorganisms, \*Bacteria, Growth, Reproduction, Mathematical analysis, \*Culture media, Population, Control, \*Germ-free atmospheres.

The most important indices of growth of microbe cultures in stationary and circulating media were examined and formulas were adduced for the calculation of the growth rate, the size of the biological mass of the culture, and the duration of a generation. A characterization of the development of separate microbe in- (Biological Sciences--Microbiology, TT, v. 9, no. 4)  
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II. Boeing Trans-R37  
III. Boeing Scientific Research  
Labs., Seattle, Wash.

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Orlova, N.V., Popova, L.A. and others.  
PARTICULARITÉS PHYSILOGIQUES DES ORGANIS-  
MES PRODUCTEURS DES TETRACYCLINES (Fiziolo-  
gicheskie Osobennosti Proizvodstvenov Tetratsiklinov)  
(Physiology of Tetracycline Producers). 30p. 31refs.  
CNRS-XVII bis 72.  
Order from OTS, ETC or CNRS \$2.60 TT-62-28823

Trans. in French of Akademiya Nauk SSR, Institut  
Mikrobiologii, Trudy, 1959, v. 6, p. 251-264.

DESCRIPTORS: \*Tetracyclines, Antibiotics, \*Acti-  
nomyces, Biosynthesis, Physiology.

(Biological Sciences--Microbiology, TT, v. 11, no. 7)

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- I. Orlova, N.V.
- II. Popova, L.A.
- III. CNRS - XVII bis 72
- IV. Centre National de la Recher-  
che Scientifique, Paris

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European Translations Centre

63-20250

I. Mogilevskii, G. A.

Mogilevskii, G. A.  
SOME RELATIONSHIPS OF THE DISTRIBUTIONS OF  
NATURAL GASES AND OF BACTERIA IN A REGION  
OF OIL AND GAS FIELDS. [1963] [13p] 3refs  
Order from OTS or SLA \$1.60 63-20250

Trans. of Akad[emiya] Nauk SSSR. Inst[itut]  
Mikrobiol[ogi]. Trudy, 1961, v. 9, p. 45-56.

DESCRIPTORS: \*Natural gas, \*Bacteria, Geology,  
\*Petroleum, Oxidation, Propanes, Methanes,  
Hydrocarbons.

In a series of USSR regions investigations were carried  
out on the distribution of hydrocarbon oxidizing bac-  
teria in subsoil horizons and waters with the goal of  
oil and gas prospecton. Determined relationships in  
distribution of natural gases and microorganisms on  
the zone of deposits were found. Positive results of the  
(Earth Sciences--Geology, TT, v. 10, no. 12) (over)

Office of Technical Services



63-20251

Simakova, T. L., Kolesnik, Z. A., Strigaleva, N. V.  
and others.

**BACTERIAL CHANGE OF PETROLEUM AND OF ITS  
COMPONENTS UNDER ANAEROBIC CONDITIONS.**

[1963] [Sp] 3refs

Order from OTS or SLA \$1.10

63-20251

Trans. of Akad[emiya] Nauk [SSSR], Institut  
Mikrobiologii, Tr[udy] 1961, v. 9, p. 81-85.

DESCRIPTORS: \*Petroleum, Anaerobiology, Micro-  
organisms, \*Pseudomonas, Biosynthesis, Hydro-  
carbons, Nitrogen, Sulfur, Metabolism, Biochemistry.

The effect of bacterial metabolism was investigated on  
the transformation of some components in paraffinic  
oils. Bacterial biocenoses were produced under  
anaerobic conditions on a mineral medium with  
petroleum. Stratum waters from several crude oil  
fields served for isolation of the biocenoses. Most of  
(Biological Sciences--Microbiology, TT, v. 10, no. 12)

- I. Title: Biocenosis
- I. Simakova, T. L.
- II. Kolesnik, Z. A.
- III. Strigaleva, N. V.

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Vol XVII, 1962, pp 60-71.  
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Simple Protein Hydrolysate Medium for the  
Growth of Different Cells, by  
H. G. Lavrov.  
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L. S. Borodin, 13 pp.

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pp 23-34.

AEC Tr-4186

Sci - Chem  
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*144, 046*

Lovozero and Khibina Massifs -- A Rare-Metal  
Biogeochemical Province, by A. A. Dudykina,  
E. I. Semenov, 5 pp.

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Kristallografiya, No 1, 1957,  
pp 35-37.

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Sci - Chem  
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PROBLEMS OF MINERALOGY, GEOCHEMISTRY AND GENESIS OF RARE ELEMENTS DEPOSITS, tr. by C. de Leuchtenberg. Jan 61, 135p. (3 figs. omitted) 85 refs.

Order from OTS or SLA \$10.50 61-15871

Trans. of [Akademiya Nauk SSSR. Institut Mineralogi, Geokhimii i Kristallokhimii Redkikh Elementov. Trudy] 1959, v. 2, p. 1-84.

\*Another trans. of p. 74-77 is available from LC or SLA m\$2.40, ph\$3.30 as 60-19866 [1960] [11p].

DESCRIPTORS: Beryllium, Selenium, Tellurium, Scandium, Rubidium, \*Deposits, Minerals, Copper, Nickel, Ores, Geochemistry, \*Geology, Genetics, Sedimentation, Rare earths.

(Earth Sciences--Geology, TT, v. 7, no. 10) (over)

Office of Technical Services



Some Laws of Distribution of Selenium and  
Tellurium in Copper-Nickel Ores in the  
Novitsk District Deposits, by G. G. Zainullin,

RUSSIAN, per, Trudy Inst Mineral Geokhim i  
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Order from OTS or SLA \$5.60 61-15870

Trans. of [Akademiya Nauk SSSR. Institut Mineralogii  
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Trudy] 1959, no. 2, p. 211-242.

DESCRIPTORS: \*Zirconium, \*Hafnium, \*Thallium,  
\*Deposits, Minerals, Geochemistry, \*Geology,  
Genetics.

Contents:  
Genetic types and classification of zirconium and  
hafnium deposits, by L. P. Tikhonenko  
Genetic types of endogenous thallium bearing depos-  
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(Earth Sciences--Geology, TT, v. 7, no. 11)

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2. Determination of N and X of Light-absorbing  
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O(570) Acl22m228 xxxxx

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Selenium and Tellurium From Products of  
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Line System of the Perch and Ruff, by N. N. Dialer.  
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SSSR, Vol XIII, 1960, pp 5-61.

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OTS 63-11129  
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*Vol VIII, No 11*

Effect of Varying Illumination on the Accessibility  
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Ak Nauk SSSR, No 13, 1960, pp 118-128.  
\*Fisheries Res Bd of Canada  
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(FDD 21461)

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of Warm Blooded Animals Upon Electrical Irrir-  
tation, by A. M. Budanova, 8 pp.

RUSSIAN, bk, Trudy Instituta Morfologii Zhivot-  
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pp 5-25.

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[1961] [14]p. 21 refs.  
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[ogii] Zhivotnykh. Trudy, 1959, v. 27, p. 175-186.

DESCRIPTORS: \*Insects, \*Classification,

1. Title: Collembola.
- I. Sharov, A. G.
- II. Translations, New York

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Development of Eyes<sup>S</sup> and Their Function in Embryos  
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Vol 34, 1961, pp 79-92.

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A Method of Designing Current-Carrying  
Wipers for Potentiometers Used in  
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Sekerzh-Zen'kovich, Ya. N.  
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ENT ANGULAR VELOCITIES, tr. by M. Yanowitch.  
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- I. Sekerzh-Zen'kovich,  
Ya. N.
- II. ACM-102
- III. Adelphi Coll.  
Garden City, N. Y.

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DESCRIPTORS: \*Spheres, Bodies of revolution, Rotation,  
Liquids, Oscillation, \*Fluid mechanics, Vibration,  
Hydrostatic pressure, Equations of motion, Transforma-  
tions (Mathematics), Aerodynamics.

An analysis is made of the free symmetrical oscillations  
of a liquid which covers a rigid sphere and consists of  
two layers of different density, rotating with different  
angular velocities. This model allows one to take into  
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PL-480

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Theory and Its Application in Heat Engineering, by  
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Vol CXXXIX, 1961, pp 31-44. 9693575  
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Calculation of Heating of Bodies Under the Action  
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Sci - Aero  
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Sci - Aero  
May 65

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Sci - Aero  
May 65

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Lenina, Aviat, No 154.  
\*FTD-MI-61-111

Sci - Aero  
May 65



Aviation Institute.  
RUSSIAN, per, Trudy Inst Mosk Ordena  
Lenina, Aviat, No 155.  
\*FTD-MT-65-112

Sci - Aero  
May 65

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\*FTD-MT-65-113

Sci - Aero  
May 65

Certain Mathematical Problems Arising During  
the Combined Operatoin of Digital Computers,  
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RUSSIAN, rpt, Trudy Mosk. Energ. In-ta,  
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\*FTD-IT-67-33

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16 May 1972

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