

642 - 562
Reel # 92

Search for Methods of Specific Prophylaxis
for Betulism of Cattle and Sheep, by M. D.
Polykovskiy, A. V. Lyaushkin.

RUSSIAN, per, Trudy Vses Inst Ekspet Vet, Vol
1961, pp 399-410. *9209356*
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USDA Tr V-1805

Sci - Biol & Med Sci
Jul 63

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OTC 11518 63-12515

Isolation of the Anthrax Bacteriophage and Its
Utilization for the Differential Diagnosis of
Bac. Anthracis, by A. Ya. Meshcheryakov.

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Vol XXVI, 1962, pp 46-55.

*USDA

OTS 62-14610

Sci - Biol
16 Aug 62
List 56

Present Scientific Data on African Swine
Fever, by Ya. R. Kovalenko.
RUSSIAN, per, Trudy Vsesoyuznyi Institut
Ekspperimental'noi Veterinarii, Vol 29,
1962, pp 177-199. 9232135
USDA Tr V-1981

USSR
Sci/Agri
Feb 66

296,236

Effect of Radiation on Dynamics of Protein
Metabolism and Morphological Blood Indices
in Swine Sick with African Fever, by
A. I. Vertunov.

RUSSIAN, per, Trudy Vsesoyuznyi Institut
Eksperimental'noi Veterinari, Vol 29,
1962, pp 200-208. 9232134
USDA Tr V-1980

USSR
Sci/Agri
Feb 66

Histological Changes in African Swine
Fever, by V. Ya. Davydov.
RUSSIAN, per, Trudy Vsesoyuznyi Institut
Ekspperimental'noi Veterinarii, Vol 29,
1962, pp 209-216. 9232136
USDA Tr V-1982

USSR
Sci/Agr
Feb 66

296,235

The Position of the Piroplasma in the
System of the Protozoa, by E. M. Kheisin,
24p.

RUSSIAN, per, Trudy, Vsesoyuznyi Institut
Ekspierimental'noi Veterinari, Vol 28,
1963, pp 40-50.

ORS TT-64-19887

333, 646

Sci
Jul 67

Development of Theileria Sergenti Yakimoff et
Dekhtereff, by V.I.Laptev.
RUSSIAN, per, Trudy Vsesoyuznyi Inst Eksper.
Veter, 1963, vol. 28, pp.124-128.
OTS-TT-647-19850

Agric
Aug 66

307,722

Improved Method of Preparing Anaplasmosis
Antigen, by N. Stepanova, A. Malekhov.
RUSSIAN, per, Trudy Vsesoyuz Inst Eksp Vet
No 28, 1963, pp 18-215
CSIRO/No 6910

Sci -
Jul 67

334,975

Duration of Immunity and Carriage of
Piroplasms in Animals Recovered From
Piroplasmosis, by N. A. Kolabskii.
RUSSIAN, per, Vsesovuznyi Institut
Eksperimentalnoi Veterinarii. Trudy,
Vol 28, 1963, pp 170-176.
NTC 72-10153-02E

Apr 72

2

Role of the Tick Rhipicephalus Bursa Can. et Fanz,
1877 in Transmitting the Agent of Bovine Anaplasmosis,
by O. F. Grobov.

RUSSIAN, per, Trudy Vses Inst Eksp Vet., Vol 28, 1963,
pp 201-206.

*NTIS TT 72-51092

Aug 72

~~EXXERER~~

Experimental Use of Difluorotetrachloroethane
to Treat Fascioliasis of Cattle, by H.
Demidov, et al.

RUSSIAN, ENH per, Trudy Vses Instituta Gel'mintol
in Skryabina, No 6, 1959, pp 216-220.

4

CSIRO Tr 545

5361

Sci - Med

Oct 61

171,330

Experimental Study of Flow in Spiral Chambers
of Radial-Axial Turbines, by K. I. Bauman,
16 pp.

RUSSIAN, per, Trudy Vses Inst Gidromash,
No 18, 1954, pp 52-55.
/65

Sci Mus Lib Tr 56/3693

Sci - Physics
May 57 CTS/dex

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Position of the Piroplasms in the System of the
Protozoa, by E. Kheisin.

RUSSIAN, per, Trudy Vsesoyuz. Inst. Eksp. Vet.

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CSIRO/No. 6813

Sci-

July 1967

334-422

Sources of Infection of Pigs by
Metastrongylids, by I. D. Ustinov.
RUSSIAN, per, Trudy Vsesoyuznogo Institut
Instituta Gel'mintologii, 1963, No 10,
pp 63-67.

NLL RTS 2655 (On Loan or Purchase)

CFSTI IT-64-19960

Aug 65

288,862

Comparative Histological and Histochemical
Studies of the Gut of Sexually Mature
Fasciola hepatica L., 1758, and *Dicrocoelium*
lanceatum Stiles et Hassale, by G. E. Reznik.
RUSSIAN, per, Trudy Vsesoyuznyi Institut
Gelmintologii, USSR, Vol 10, 1964 pp 238-244.
CFSTI TT-65-64391

CSIRD/No. 7572

Sci-B&M

June 66

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Disinfectant and Sterilising Action of Ethylene
Oxide, by E. Sh. Akopyan.
RUSSIAN, per, Trudy Vsesoyuznogo Instituta Nauchno-
Issledovatel'skogo Veterinarnoi Sanitarii, Vol
22, 1963, pp 46-60.
NLL RTS 2950

Sci-Chem
Nov 67

345,280

Accounting Scientific-Technical Documentation
as a Basis of Fulfilling Reference-Information
Funds, by A.A. Prihod'ko. 14 pp.
RUSSIAN, rpt, Vsesoyuznyy Institut Nauchnoy i
Tekhnicheskoy Informatsii. Sozdaniye i Ispol'-
zovaniye Tsentral'nogo Otraselevogo Spravochno-
Informatsionnogo Fonda' Materialy Nauchno-Tekh-
nicheskogo Soveshchaniya, Moskva, 1964, pp- 55-59.
P100012266
FTD-TT-65-1291

Sci/Misc
Sep 66

309,349

Experience in Introducing Branch UDK Tables on
Machine Construction, by A. A. Leonova. 14 pp.
RUSSIAN, rpt, Vsesoyuznyy Institut Nauchnoy i
Tekhnicheskoy Informatsii. Sozdaniye i Ispol'
Yovaniye Tsentral'nogo Otraselevogo Spravочно-
Informatsionnogo Fonda' Materialy Nauchno-Tekh-
nicheskogo Soveshchaniya, Moskva, 1964, pp 70-73.
P100012266
FTD-TT-65-1291

Sci/Mathematical Sci
Sep 66

309,350

Reference Equipment of the Central Branch
Reference Information Center, by T. D. Grodet-
skaya,

RUSSIAN, rpt, Vsesoyuznyy Institut Nauchnoy i
Tekhnicheskoy Informatsiy, Sozdaniye i Ispol'
zovaniye Tsentral'nogo Otrazlevogo Spravochno-
Informatsionnogo Fonda, Materialy Nauchno-
Tekhnicheskogo Soveshchaniya, 1964, pp 74-85.

F100126266

FTD-HT-66-255

Sci-Electr * Electr Engr

Production of Refractories From Softfired Grog,
by E. K. Keler, V. P. Zegzhda.

RUSSIAN, per, Trudy Vsesoyuznogo Institut
Ogneuporov, No 19, 1940, pp 41-.

DSIR LLU M.1395
(loan)

Sci - Engr

Oct 60

128,877

Seasonal Dynamics of Cattle Demodacosis and
Experiments in the Treatment of This Invasion,
by D. Polyakov.

RUSSIAN, per, Vses Institut Veterinarnoy
Sanitarii i Ektoparazitologii, Trudy,
No 13, 1958, pp 107-116.

CSIRO Tr 5408

Sci - Med
Oct 61

171, 348

Morphological Changes in the Skin of Cattle Under
the Effect of Demodex Bovis as a Characteristic
of the Many Processes in the Biology of the
Parasite, by D. Polyakov.

Transl.
RUSSIAN, per, *Vses* Institut Veterinaroi Sanitarii,
~~Trudy~~, Vol XIV, 1959, pp 34-35.

CSIRO Tr 5409

Sci - Med
Oct 61

Bio Lab T-606-1

R-9154-D

11 Feb 68

Characteristic features of the agri. year 1963-1964 and
their influence on distribution of major pest and
diseases in 1964

By: L. A. MAKAROVA & I. Ya. POLYAKOV

From: Trudy vses Inst. Zashch. Rast. 25:pp5-15 (11 pp)

Russian - est for wis:

Please translate and type 1 camera ready copy.

Please make cover as sample attached. Document can be
cut. T-606-1

Causes Determining the Movement of Some
Species of Internal Trunk Pests in Forest
Areas, by V. N. Stark, 15 pp.

RUSSIAN, per, Trudy Vses Inst Zashchity
Rastenii, No 6, 1954, pp 116-132. 9098530

OTS 60-^{5/}1014

191, 266

Sci - Biol

Apr 62

Stark, V. N.

THE POSSIBILITY OF CHEMICALLY COMBATING
INTERNAL PESTS IN TRUNKS OF TREES AND
SHAUBS OF THE FOREST-STEPPE ZONE
(Vozmozhnost' Khimicheskoi Bor'by s Gruppoi
Skrytnostvolovykh Vreditel' Dereve'ev i Kustarnikov
Lesostepnoi Zony). 1961, 20p. 46 refs. PL-480 Agr.
Order from OTS \$0.50 60-51015

Trans. of Vsesoyuznyi Institut Zashchity Rastenii.
Trudy (USSR) 1954, no. 6, p. 133-150.

DESCRIPTORS: Plants, *Trees, *Pest control,
Forestry, Moths, Beetles, *Insecticides,
*Hexachlorocyclohexanes, *DDT, Forestry.

See also 60-51015

(Agriculture--Plant Cultivation, TT, v. 7, no. 4)

60-51015

- I. Stark, V. N.
- II. PL-480 Agr (60-51015)
- III. National Science Foundation,
Washington, D. C.

7098532

Office of Technical Services

Shapiro, V. A. and Kamenkova, K. V.
POSSIBILITY OF COMBINING CHEMICAL TREAT-
MENTS BY DDT WITH ACTION OF PARASITES TO
CONTROL THE SPRING COMPLEX OF INJURIOUS
MOTHS AND BUTTERFLIES IN FOREST PLANTA-
TIONS. [1961] [14]p. 27 refs.
Order from OTS or SLA \$1.60 61-23030

Trans. of V[sesoyuznyi] I[nstitut] Z[ashchity]
R[astenii. Trudy] (USSR) 1957, v. 8, p. 99-113.

DESCRIPTORS: *Insectides, DDT, Insects, Hexachloro-
cyclohexanes, Parasites, Ecology, *Forestry, *Pest
control, Moths, Butterflies.

When chemical measures are used without taking their
action on the useful fauna into consideration, crop pro-
tection as a whole can not be guaranteed. This justifies
the statements as to the need for more rational use of
DDT and hexachlorocyclohexane. Treatments with these
(Agriculture--Plant Cultivation, TT, v. 8, no. 3) (over)

61-23030

I. Shapiro, V. A.
II. Kamenkova, K. V.
III. Translations, New York

Office of Technical Services

Results and Perspectives of Work Dealing With
the Study of Pests and Diseases of Field
Protective Forests, by V. N. Stark. 13 pp.
RUSSIAN, per, Trudy Vsesoyuznogo Instituta
Zashchity Rastenii. Vsesoyuznyi Nauchno-
issledovatel'skii Institut Zashchity Rastenia,
No 8, pp 5-17, 1957.

*CFSTI TT 66-51076

USSR
Sci/Earth Sci
Jan 676

Karaseva, E. F.
ROLE OF FOLIAR SUPPLEMENTARY POTASSIUM
FEEDING IN THE PROTECTION OF WHEAT
AGAINST LEAF RUST (Rol' Vnekornevoy Kaliynoy
Podkormki v Zaeshchite Pshenitsy ot Buroy Rzhavchiny)
10 Jan 60, 4p. Trans. A-1231.
Order from OTS or SLA \$1.10

61-15819

Trans. of Vsesoyuznyi Institut Zaeshchity Rastenii.
Trudy (USSR) 1958, v. 13, p. 62-63. 70755-46

DESCRIPTORS: *Wheat, *Rusts, Plants, Infections,
Resistance, *Potassium.

Investigations showed that potassium foliar supplementary feeding of winter wheat contributes toward an increase in plant resistance to leaf rust infection and decreases the viability of fungal uredospores.

(Agriculture--Plant Cultivation, TT, v. 8, no. 2)

61-15819

I. Karaseva, E. F.
II. Trans-A-1231

Office of Technical Services

Evlakhova, A. A.

FORMULATION OF A MICROBIOLOGICAL METHOD
FOR COMBATING EURYGASTER IN THEIR HIBER-
NATION SITES. [1961] 14p. 20 refs.
Order from OTS or SLA \$1.60

61-16153

Trans. of Vsesoyuznyi I[nstitut] Z[ashchity] R[astenii].
Trudy] (USSR) 1958, no. 9, p. 323-340.

DESCRIPTORS: *Tristoma, *insect control, *Hiber-
nation, *Fungus infections, Microorganisms, Insects,
Rusts.

Consideration is given to the conditions for the activity
of pathogenic microorganisms in the places where the
bugs hibernate, the species composition of the causal
organisms, the importance of the physiological state of
the insect, which determines its susceptibility to in-
fection, and some methods of employing pathogenic
(Biological Sciences, TT, v. 7, no. 11) (over)

61-16153

1. Title: Eurygaster

1. Evlakhova, A. A.

Office of Technical Servi

Methods and Results of Hybridization of Cereal Leaf
Rust Forms, by I. A. Shifman.

RUSSIAN, per, Trudy Vses Inst Zashchity Rastenii,
No 10, 1958, pp 137-152: CIA 9042514

USDA

Sci - Biology
Sep 59

97,472

Role of Preceding Plants in the Changed Susceptibility
of Winter Wheat to Leaf Rust, by V. V. Shopina.

RUSSIAN, per, Trudy Vses Inst Zashchity Rastenii,
No 10, 1958, pp 183-192. CIA 9042515

USDA

Sci - Biology
Sep 59

97,473

(BT-1249)

The Problem of Predicting the Appearance of Pests
and Diseases of Agricultural Plants, by I. Ya.
Polyakov, 21 pp.

RUSSIAN, per, Trudy Vses Inst Zast Rast, No 12,
1958, pp 203-219.

JPRS 4297

Sci - ~~HEH~~ Biol

Jan 61

137,731

Chikhach va, Yu. N.
THE USE OF SYSTEMIC INSECTICIDES IN THE
FORM OF GRANULES (K Primeneniyu Insektitsidov
Vnutritsitel'nogo Deistviya v Forme Granul) tr.
by O. Jukov. [1962] [14]p. (foreign text included)
9 refs. [CSIRO] Trans. no. 5556.
Order from OTS or SLA \$1.60 62-32237

Trans. of Vsesoyuznyi Institut Zashchity
Rastenii. Trudy (USSR) 1960, v. 14, p. 201-206.

DESCRIPTORS: *Pest control, *insecticides, Thiols,
Agriculture, *Plants, Fertilizers.

(Agriculture, TT, v. 8, no. 7)

62-32237

- I. Chikhach va, Yu. N.
- II. CSIRO Trans-5556
- III. Commonwealth Scientific
and Industrial Research
Organization (Australia)

Office of Technical Services

Investigation of Steel's Fatigue Resistance, ~~12~~

RUSSIAN, bk, Trudy Vses Inst Zhel Dor Transporta,
1958, 130 pp.

DSIR Lending Library Unit

(no translation Number given)

Aug 59

(SF-1781)

The Theoretical and Practical Basis of Dry Bacterial Cultures for the Control of Harmful Rodents, by M. I. Prokhorov, 10 pp.

RUSSIAN, per, Trudy: Vsesoyuznyy Issledovatel'skiy Institut Veterinarnoy Ektoparazitologii i Sanitarii, Vol XV, 1959, pp 213-223.

JPRS 4632

153,640

Sci - Biol

Jun 61

Vainshtein, F. M., Shilov, E. A., and Grishin, O. M.
ON THE PROBLEM OF THE HYDROGEN ISOTOPE
EFFECT IN HALOGENATION OF AROMATIC COM-
POUNDS. [1962] 15p. 14 refs.
Order from QTS or SLA \$1.10

63-13713

Trans. of Vsesoyuz[noe] Khim[icheskoe] Obshchestvo.
Zhur[nal] (USSR) 1960, v. 5 [no. 1] p. 119-120.

DESCRIPTORS: Isotopes, *Deuterium, *Tritium,
*Halogenation, Phenols, Hydrogen, Amines.

(Chemistry--Organic, TT, v. 10, no. 1)

63-13713

I. Vainshtein, F. M.
II. Shilov, E. A.
III. Grishin, O. M.
IV. Translations, New York

Office of Technical Services

Avgustinik, A. I.
CERMETS (Kermety). July 61 [34]p. 79 refs. RTS 1786.
Order from OTS or SLA \$3.60 61-27043
Trans. of Vsesoyuznoye Khimicheskoe Obshchestvo.
Zhurnal (USSR) 1960, v. 5, no. 2, p. 156-168.
Another trans. is available from OTS or SLA \$6.60 as
61-11568, PRS-7201, 29 Nov 60, 62p.

DESCRIPTORS: *Cermets, *Powder metallurgy,
Oxides, Carbides, Borides, Nitrides, Silicides, Pre-
paration, *Ceramic materials.

For abstract see Technical Translations 5: 370, 1961.

(Materials--Ceramics, TT, v. 8, no. 10)

61-27043

- I. Avgustinik, A. I.
- II. RTS-1786
- III. Department of Scientific and
Industrial Research
(Gr. Brit.)

Office of Technical Services

Kabanov, V. A. and Zubov, V. P.
NEW ROUTES IN THE SYNTHESIS OF POLYMERS BY
POLYMERIZATION METHODS. [1962] 16p.
Order from ATS \$25.75 ATS-13P63R

Trans. of Vsesoyuznoe Khimicheskoe Obshchestvo.
Zhurnal (USSR) 1962, v. 7, no. 2, p. 131-140.

DESCRIPTORS: *Polymers, Synthesis, Polymerization.

(Chemistry--Organic, IT, v. 9, no. 1)

62-34164

I. Kabanov, V. A.
II. Zubov, V. P.
III. ATS-13P63R
IV. Associated Technical
Services, Inc.,
East Orange, N. J.

Office of Technical Services

Shtern, V. Ya. and Pollyak, S.
APPLICATION OF THE POLAROGRAPHIC METHOD TO
THE STUDY OF PRECOMBUSTION PROCESSES IN
THE INTERNAL-COMBUSTION ENGINE. [1963] 20p
(figs omitted) 3 refs
Order from OTS, SLA or ETC \$1.60 TT-63-18967

Trans. of Trudy Vsesoyuznoi Konferentsii po
Analiticheskoi Khimii [Transactions of the All-Union
Conference on Analytical Chemistry] Moscow, 1943,
v. 2, p. 603-614.

(Machinery--Engines, TT, v. 11, no. 11)

TT-63-18967

I. Shtern, V. Ya.
II. Pollyak, S.
III. Title: All-Union...

SLA TT-65-13252

Office of Technical Services

Pipik, O. G.
SULFONE METHOD OF DETERMINATION OF THE
OXIDATION TENDENCY OF OIL PRODUCTS. [1961]
Sp. 7 refs.
Order from OTS or SLA \$1.10

61-16895

Trans. of mono. Trudy Vsesoyuznoi Konferentsii po
Analiticheskoi Khimii (Transactions of the All-Union
Conference on Analytical Chemistry) Moscow, 1944, v. 3,
p. 68-73.

DESCRIPTORS: *Oils, *Lubrication, *Hydrocarbons,
Gasoline, Organic compounds, *Oxidation, Reagents,
*Sulfones, Chemical reactions, Determination.

Formation of sulfones by various organic compounds,
including unsaturated hydrocarbons in gasoline and
lubricating oil, can be used as a basis for determination
of the oxidation tendency of the substance under investi-
(Chemistry--Analytical, TT, v. 8, no. 3) (over)

61-16895

I. Pipik, O. G.
II. Title: All-Union...

Office of Technical Services

Chulanovskii, V. M.

APPLICATION OF SPECTRAL METHODS TO ORGANIC ANALYSIS, PARTICULARLY ANALYSIS OF GASOLINES. [1961] 13p.

Order from OTS or SLA \$1.60

61-16900

Trans. of mono. Trudy Vsesoyuznoi Konferentsii po Analiticheskoi Khimii (Transactions of the All-Union Conference on Analytical Chemistry), Moscow, 1944, v. 3, p. 74-89.

DESCRIPTORS: *Hydrocarbons, Mixtures, *Gasoline, Ultraviolet spectroscopy, Infrared spectroscopy, Raman spectroscopy, Absorption spectra, Chemical analysis.

Use of the absorption of ultraviolet light for analysis of aromatic hydrocarbons is described. The employed method of visual photometry with the aid of a fluorescent screen is very sensitive. This method has been tested on four-component mixtures. (Author)
(Chemistry--Analytical, TT, v. 8, no. 3)

61-16900

I. Chulanovskii, V. M.
II. Title: All-Union ...

Office of Technical Services

Vol'kenshtein, M. V. and Shorygin, P. P.
ANALYSIS OF LIQUID FUEL BY THE METHOD OF
COMBINATION SCATTERING. [1961] 10p. (1 fig.
omitted) 12 refs
Order from OTS or SLA \$1 10

61-16909

Trans. of mono. Trudy Vsesoyuznoi Konferentsii po
Analiticheskoi Khimii (Transactions of the All-Union
Conference on Analytical Chemistry) Moscow, 1944,
v. 3, p. 90-104.

DESCRIPTORS: Liquids, *Fuels, *Gasoline, Raman
spectroscopy, Benzenes, Alkyl radicals, Cyclo-
hexanes, Hexanes, Methyl radicals, Toluenes,
Fractionation, *Hydrocarbons, Decomposition,
Aluminum compounds, Chlorides, Catalysts, Cata-
lysis, Waxes, Chemical analysis, Scattering.

A report of the development of Raman spectroscopy as
(Chemistry--Analytical, TT, v. 8, no. 3) (over)

61-16909

I. Vol'kenshtein, M. V.
II. Shorygin, P. P.
III. Title: All-Union...

Office of Technical Services

Bazhulin, P. A.
APPLICATION OF COMBINATION SCATTERING TO
ANALYSIS OF HYDROCARBON MIXTURES. [1961] 6p.
Order from OTS or SLA \$1.10 61-18155

Trans. of mono. Trudy Vsesoyuznoi Konferentsii po
Analiticheskoi Khimii (Transactions of the All-Union
Conference on Analytical Chemistry) Moscow, 1961,
v. 3, p. 105-110.

DESCRIPTORS: *Hydrocarbons, Mixtures, *Gasoline,
Raman spectroscopy, Chemical analysis, Scattering,
Benzenes, Cyclohexanes, Hexanes, Methyl radicals.

Attempts to develop a quantitative method of determi-
nation of individual components of gasoline based on
Raman spectroscopy are related. When only an ap-
proximate analysis is sufficient, the spectrum of the hy-
drocarbon to be determined is produced on the same
(Chemistry--Analytical, TT, v. 8, no. 3) (over)

61-18155

I. Bazhulin, P. A.
II. Title: All-Union ...

Office of Technical Services

Evaluation Methods and Some Ways for Increasing
the Reliability of Automatic Control Results,
by V. I. Perov, T. D. Zholkover, 8 pp.
RUSSIAN, rpt, Trudy, Vsesoyuznaya Konferentsiya
po Avtomaticheskomu Kontrol'yu i Metodam Elektricheskikh
Izmereniy. 5th. Avtomaticheskii Kontrol'
i Metody Elektricheskikh Izmereniy, 1966,
pp 73-84. P100195468-V
FTD-HT-23-734-67

Sci/Math & Equip
Sept 68

364,948

Effect of Automatic Monitoring and Switchover
Devices on Reliability of Systems with Redundancy,
by T. D. Zholkover.

RUSSIAN, rpt, Vses Konf po Avtomatich Kontrol i
Metodam Elektrich Izmereniy, 6th, 1964. Avtomatich
Kontrol' i Metody Elektrich Izmereniy; Tr Konf,
t. I: Teoriya Izmerit Info Sistem, Novosibirsk,
1966, pp 96-100.

*FTD-HT-23-291-68

Sci-Elec
Apr 68

The Viscous Properties of Plastic Disperse
Systems and the Wall Slipping Effect, by V. V.
Sinit syn, 35 pp.

RUSSIAN, monograph, Trudy Vsesoyuznaya
Konferentsiya po Kolloidnoy Khimii, No 3, 1956,
pp 127-143.

SLA 60-13590

Sci

129,407

OTS, Vol IV, No 3

Sep 60

Works of the All-Union Conference on Medical
Radiology. Experimental Medical Radiology,
277 pp.

RUSSIAN, bk, Trudy Vsesoyuznoy Konferentsii
Meditsinskoy Radiologii, Eksperimental'naya
Meditsinskaya Radiologiya, Moscow, 1957.

62 1, 277 pp. 550000 AEC Tr 3661

Sci - Med

Oct 59

98,753

(2537-D)

Proceedings of the All-Union Conference on Medical
Radiology (Hygienic and Dosimetric Problems), by
A. A. Letavet, ~~XXXXXXXXXX~~ 154 pp.

RUSSIAN, monograph, Trudy Vses Monferentsiy po Med
Radiologii (Voprosy Gig i Dosimetriy), Moscow,
1957, pp 3-21, 39-65, 79-88, 99-140, 153-157,
165-175, 183-196.

JPRS 747-D

Sci - Med, radiology
Jun 59

89,199

Radioactive Contamination of Fish in Waters Containing
Strontium, by M. M. Saurov, 12 pp.

RUSSIAN, bk, Trudy Vses Konf po Medit Radiol. Voprosy
Gigien i Dozimetrii, 1957, pp 66-73.

ARC Tr

3746

Sci - Med

Oct 59

98,898

(2537-D)

Method of Determining Aerosols of Radium in the
Air, by F. K. Levochkin, R. Ya. Zolotuchina, 7 pp.

RUSSIAN, per, Trudy Vses Konf Med Radiol. Voprosy
Gig i Dozimetric, 1957, pp 132-136. 9093889

JPRS 747-D

Sci

A.C.S. I. L To 1304

(LOAN) NLL Ref. 0578.9 1962-(1,304)

On the Development of X-Ray Injuries
to the Skin, by L. A. Afrikanova.
RUSSIAN, rpt, Trudy Vses Conf Patolognatomov
1954, pp 332-337.
NASA TT F-10,630

Sci-Phys
Mar 67

38737

Results of Laboratory Work on Parabiosis, by
L. R. Perelman, 4 pp.

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<p>Goroshko, V. D. A RADIOMETRIC METHOD OF INVESTIGATION OF THE MECHANISM OF COAL PREPARATION (STUDY OF THE HINDERED-SETTLING OF BODIES IN LIQ- UIDS) tr. by F. Croisdale. 2 Oct 59, 5p. (3 figs. omit- ted) 4 refs. [S-C] trans. no. 0530; [DSIR LLU] M1765. Order from LC or SLA m\$1.80, ph\$1.80 61-13096 Trans. of mono. <u>Trudy Vsesoyuznaya Konferentsiya po Primeneniyu Izotopov i Yadernykh Izlucheni</u>, n. p., 4-12 Apr 57, p. 236-239. Methods are described for tagging the particle with a radioactive isotope and for recording of the passage of the tagged particle. (Engineering--Mechanical, TT, v. 5, no. 12)</p>	<p>61-13096 1. Coal--Processing 2. Radioisotopes--Applications I. Goroshko, V. D. II. Title: Study... III. S-C Trans-0530 IV. DSIR LLU M. 1765 V. Simon-Carves Ltd. (Ot. Brit.) 166580 Office of Technical Services</p>
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AIR/FTD/HT-23-688-68

Sci-Ncul Sci
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Effect of Ionizing Radiation on Concentrated
Aqueous Solutions of Inorganic Substances,
by P. I. Dolini, S. A. Brusniyeva.

RUSSIAN, per, Trudy Vses Konf po Primen
Radioaktivnykh i Stabilnykh Izoto Pov i
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Sci-Chem
Apr 69

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Sensitization of Radiochemical Processes
in Aqueous Solutions, by N. A. Proskurnin,
V. D. Orekhov.

RUSSIAN, per, Trudy Vses Konf po Primen
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Izlucheniya n Narodnom Khoz i Nauke, Izotopy
i Izlucheniya v Khimiy 1957, 1958, pp 113-
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Exposed to Ionizing Radiation, by

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Izlucheni v Nardonom Khoz i Nauke, Izotppy
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Sci-Phys

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Radiolysis of Pentane Adsorbed on Solids,
by A. O. Allen, J. M. Caffrey.
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Apr 69

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Action of Nuclear Radiation on Polymer
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minskiy.

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Izlucheniya v Narodnom Khoz i Nauke Izotopy
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Jan 67

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Dec 64

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Integration Block of a Digital Integrating Machine,
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Dec 64

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RUSSIAN, irreg per, Trudy IV Vsesoyeznoy Konferentsii Po Teorii Obolochek i Plastin, 24-31 Oct 1962, pp 15-63, 64-94, 157, 178-192, 193-199, 199-205, 211-218, 219, 234-241, 255-261, 262-269, 350-351, 373, 383, 407-411, 475-479, 489-494, 495-500, 515-520, 555-562, 563-571, 626-628, 652-658, 659-667, 688-694, 695-701, 733-737, 738-742, 758-763, 779-787, 788-794, 837-842, 852-860, 877-883, 894-903, 946-952, 953-958, 978-982, & 997.
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Method Applicable to Solution of Shell-Theory
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Aug 68

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Nonlinear Problems of Stress Concentration Near
Holes in Plates, by G. N. Savin.
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Aug 63

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Composite Shells, by I. Ye. Sakharov.
RUSSIAN, per, Trudy IV Vsesoy Konf
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FTD-TT-65-1143

Sci
Jan 66

TT-65-62565

Field 20K, 13J

Savin, G. N.; Van Fo Fy, G. A.; Bulvol, V. N.
SPHERICAL SHELL WEAKENED BY TWO UNEQUAL
CIRCULAR HOLES. Tr. by C. Lomacky. Mar 65, 14p.
4reis. I MB-Trans-320; AD-617 534.
Order from CFSTI or ETC: HCS\$1.00, MFS\$0.50 as
AD-617 534

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Plastin i Obolochek (no. 2) Lvov, 1961. Trudy, 1962 p89.

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II. DTMB-Trans-320
III. David Taylor Model Basin,
Washington, D. C.

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(Selected articles) 72 pp.*

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An Unsteady Thermal-stress for Cylindrical
Hoop-stiffened Shell, by S. M. Durgar'yan.
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Lvov, 1961, 1964, 460 pp.
*FTD-TT-65-2041

USSR
Sci/Engr
Jan 66

63-17091

Genkin, M. D., Kuz'min, N. F., and Misharin,
Yu. A.

A STUDY OF SEIZURE OF STEEL ROLLERS
(Issledovanie Zaedaniya Poverkhnostei Stal'nikh
Rollkov) tr. by V. N. Pavloff. 1963, 13p. 5 refs.
NRCC Technical trans. 1056.
Order from NRCC \$1.00

NRCC C-4318

Trans. of mono. Vsesoyuznaya Konferentsiya po
Trepiyu i Iznosu v Mashinakh [(no. 3) 1958]. Trudy,
v. 1, Moscow, 1960, p. 115-122.

DESCRIPTORS: *Steel, Friction, Welding, Surface
properties, Failure (Mechanics), *Lubricants, *Gears.

(Machinery--Machine Parts, TT, v. 9, no. 12)

1. Title: Rolls
2. Title: Seizing
- I. Genkin, M. D.
- II. Kuz'min, N. F.
- III. Misharin, Yu. A.
- IV. NRCC TT-1056
- V. NRCC C-4318
- VI. National Research
Council of Canada

Office of Technical Services

Genkin, M. D. and Misharin, Yu. A.
A METHOD OF STUDYING LUBRICATING PROPERTIES OF OILS IN A GEAR TEST RIG (Metod Ispytaniya Smazivayushchei Sposobnosti Masel na Shesterenchatom Stende) tr. by V. N. Pavloff. 1963, 10p. 9 refs. NRCC Technical trans. 1057.
Order from NRCC \$0.50 NRCC C-4319

Trans. of mono. Vsesoyuznaya Konferentsiya po Treniyu i Iznosu v Mashinakh [(no. 3) 1958]. Trudy, 9. [Moscow] 1960, p. 122-127.

DESCRIPTORS: *Lubrication, *Oils, *Gears, Surface properties, Lubricant additives, Test equipment, Lubricants, Failure (Mechanics), Friction, Welding, Films.

(Machinery--Machine Parts, TT, v. 9, no. 12)

63-17092

- I. Title: Seizing
- I. Genkin, M. D.
- II. Misharin, Yu. A.
- III. NRCC TT-1057
- IV. NRCC C-4319
- V. National Research Council of Canada

Office of Technical Services

Misharin, Yu. A. and Sivyakova, A. V.
A LABORATORY STUDY OF ANTI-SEIZURE
PROPERTIES OF CERTAIN MATERIALS USED FOR
WORM GEARS (Laboratornoe Issledovanie Protivoza-
dironoi Stoikosti Nekotorykh Materialov, Primenyaemykh
v Chervyachnykh Pperedachakh) tr. by V. N. Pavloff.
1963, 7p. 4 refs. NRCC Technical trans. 1058.
Order from NRCC \$0.50 NRCC C-4324

Trans. of mono. Vsesoyuznaya Konferentsiya po
Treniyu i iznosu v Mashinakh [no. 3] 1958].
Trudy. V. I [Moscow] 1960, p. 170-173.

DESCRIPTORS: Materials, Surface properties, *Worm
gears, Friction, Failure (Mechanics), *Steel, *Iron
alloys, Castings, *Bronze, Welding, *Lubricants,
*Gears.

(Machinery--Machine Parts, TT, v. 9, no. 12)

63-17093

I. Title: Seizing
I. Misharin, Yu. A.
II. Sivyakova, A. V.
III. NRCC TT-1058
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V. National Research
Council of Canada

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On the Causes of Fluctuation in the Number of
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Sci - Biol

Nov 59

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Ad'yasevich, S. T. Belyayev, et al, 13 pp.
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AEC-NP-Tr-1071

Sci-Nucl Sci
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Measurement of the Cross Sections of Inelastic
Neutron Collisions With Fe, Ni and Nb Nuclei at
Neutron Energies from 0.6 to 2.4 MeV, by A. I.
Abramov, M. G. Yutkin, 23 pp.

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OTS TT-64-19582

Sci - N/P
Aug 66

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A Nonstationary Temperature Problem for
a Cylindrical Shell Reinforced by a
Ring, by S. M. Buzgar'yan 14 pp.
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Kongrentsiya po Teorii Plastin i
Obolochek, 20, LVOV, 1961, pp 452-460.
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FTD TT 65-2041

Sci-Phys
Mar 67

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Activation Analysis: Proceedings of the
First All-Union Coordinating Conference,
by E. M. Lobanov.
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sionnogo Soveshaniya po Aktivatsionnomu
Analizu, Taskent, 24-38 Oct 1962.
AEC-tr-6639
CFSTI TT-66-51010

USSR
Pol
Aug 66

308,357

About Certain Possibilities of a Model of Radio-
active Analysis of Especially Cleaned Substances,
by I. A. Maslov and A. P. Obukhov, 7 pp.
RUSSIAN, rpt. Trudy I Vsesoyuznogo Koordinat-
sionnogo Soveshchaniya po Aktivatsionnomu
Analizu, 1964, pp 28-32. F100048168-V
FTD-HT-66-566

Sci-Phy
Apr 68

352.110

Agroup-Theoretic Method of Differential
Geometric Investigation, by G. F. Laptev, 14 pp.
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1958, pp 409-418.
Amer Math Soc

Sci - Math & Data Proc
Jun 64

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G. One Method of Numerical Solution of Certain Non-
linear Problems of Aero-Hydrodynamics, by A. A.
Dorodnitsyn, 12 pp.
RUSSIAN, per, Trudy Vses Matemat S'ezd, Vol III,
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Mar 64

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Technical Exploitation of Electrochemical
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by A. A. Farkhadov, S. A. Alibeyli, 9 pp.
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Korroziyey, Baku, 1962, pp 220-225.
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Sci - Chem
Sep 64

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New Polymeric Materials in Anticorrosion
Technology, by I. Ya. Klinov, 13 pp.
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Nauchnoy Konferentsii po Voprosam Bor'by s
Korroziyey, 1962, pp 296-303.
P100110168-V
FTD-HT-66-540

Sci/Materials
July 68

350,814

Corrosion Control in Petroleum Processing
Industry of Czechoslovak Socialist Republic,
by Sh. Korchev, V. Vesely.
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Konferentsii po Voprosam Bor'by Korroziyey,
1962, pp 365-374.
*FTD-MT-65-319

Sci - M/M
Jul 65

Shafranovskii, I. I.
SYMMETRY GROUPS IN STRUCTURAL PETROLOGY
(Gruppy Simmetrii v Strukturnoi Petrologii). [1962]
[17]p. (foreign text included) 18 refs.
Order from OTS or SLA \$1.60

63-10213

Trans. of Vsesoyuznoe Mineralogicheskoe Obshchestvo.
Zapiski (USSR) 1956, v. 85, no. 4, p. 491-497.

DESCRIPTORS: *Petrology, *Rock (Geology), Struc-
tural properties, *Symmetry (Crystallography),
Crystal structure, Minerals.

(Earth Sciences--Mineralogy, TT, v. 9, no. 12)

63-10215

1. Title: Plutonic rock
I. Shafranovskii, I. I.

Office of Technical Services

Vistelius, A. B.

THE SUB-DIVISION OF FOSSIL-LESS STRATA ON
THE BASE OF QUANTITATIVE MINERALOGICAL,
PETROGRAPHICAL, OR CHEMICAL CHARACTERS
(Raschleniye Nemykh Tolshch po Kolichestvennym
Mineralogicheskim, Petrograficheskim ili
Khimicheskim Priznakam). [1962] 143p. (foreign text
included) 11 refs.

Order from OTS or SLA \$4.60

62-18525

Trans. of Vsesoyuznoe Mineralogicheskoe Obshchestvo.
Zapiski (USSR) 1957, v. 86, no. 1, p. 99-115.

DESCRIPTORS: Geology, Paleocology, Geochemistry,
*Geological age determination, *Minerals, *Chemical
analysis, *Stratigraphy.

A method is presented which permits a separation of
formations in the layer of a sedimentary stratum ac-
(Earth Sciences--Geology, TT, v. 9, no. 6) (over)

62-18525

I. Vistelius, A. B.

Office of Technical Services

Eliseev, E. N.

X-RAY STUDY OF MINERALS OF THE ISOMORPHOUS
SERIES FORSTERITE-FAYALITE (Rentgenometri-
cheskoe izucheniye Mineralov Izomorfnoy Ryada
Forsterit-Fayalit). [1962] [39]p. (foreign text included)
19 refs.

Order from OTS or SLA \$3.60

62-14576

Trans. of Vsesoyuznoye Mineralogicheskoye Obshchestvo.
Zapiski (USSR) 1957, v. 86, no. 6, p. 657-670.

DESCRIPTORS: *Minerals, X-rays, Magnesium, Iron,
Chemical analysis, Crystals, Lattices.

In the present article X-ray data are given for mem-
bers of the isomorphous series forsterite--fayalite of
varying composition; by means of these data the com-
position of olivine may be determined. On the basis of
experimental data, regularities of change in the dimen-
(Earth Sciences--Mineralogy, TT, v. 9, no. 1)(over)

62-14576

1. Title: Forsterite
2. Title: Fayalite
3. Title: Olivine
1. Eliseev, E. N.

Office of Technical Services

Kanev, G. P.

THE INVESTIGATIONS OF THE WORKING PROCESSES IN CONDENSERS USING THE METHOD OF HYDRAULIC MODELS OF NESTS OF TUBES

(Issledovaniya Rabocheho Protseessov i Kondensatorov Metodom Gidravlicheskogo Modelirovaniya Trubnykh Puchkov) tr. by Morgan. June 59 [19]p. (13 figs. omitted) 3 refs. M 934.

Order from LC or SLA m\$2.40, ph\$3.30 60-13808

Trans. of Vsesoyuznoye Nauchnoye Izhenergotekhnicheskoye Obshchestvo, Sudostroyeniya. Trudy USSR, 1955, v. 6, no. 3, p. 50-65.

60-13808

I. Capacitors--Analysis

1. Kanev, G. P.

II. DSIR LLU M. 934

151766

Office of Technical Services

(Engineering--Electrical, TT, v. 5, no. 9)

60-23035

Rusanova, E. I.
 THEORETICAL PRINCIPLES OF LONG-TERM
 STRENGTH CALCULATIONS OF COMPONENTS
 OPERATING AT HIGH TEMPERATURES (Teoreticheskiye Osnovy Rascheta na Dlitel'nyuyu Prochnost' Detaley Mashin, Rabotayushchikh pri Vysokoy Temperature). Nov 59 [29]p. (156 equations omitted) 5 refs. M1367.
 Order from LC or SLA ml\$2.70, ph\$4.80 60-23035

Trans. of Vsesoyuznoye Nauchnoye Inzhenerno-Tekhnicheskoye Obshchestvo Sudostruyeniya. Trudy (USSR) 1955, v. 6, no. 33, p. 66-89.

Consideration is given to equations of state, determination of the creep modulus $\chi(\sigma; s; \epsilon; \dot{\epsilon})$, determination of the after-effect modulus $\chi(\sigma; s; D; \dot{\epsilon})$, determination of the stresses, and determination of the conditions of failure.

(Metallurgy, TT, v. 5, no. 3)

1. Metals--Mechanical properties
2. High temperature research
1. Rusanova, E. I.
- II. DSIR LLU M.1367

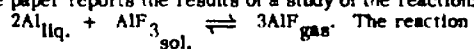
Office of Technical Services

Semenkovich, S. A.
ALUMINUM MONOFLUORIDE (AlF). [1962] [8]p.
8 refs.
Order from OTS or SLA \$1.10 63-13588

Trans. of Vsesoyuznyi Nauchno-Issledovatel'skii
Alyuminiyevo-Magnitnyi Institut. Trudy (USSR) 1960,
no. 44, p. 113-119.

DESCRIPTORS: *Aluminum compounds, *Fluorides,
Aluminum, Chemical reactions, Hydrogen, Argon,
Enthalpy, Chemical equilibrium, Thermodynamics,
Vapor pressure, Temperature.

The paper reports the results of a study of the reaction:



was studied by the "transfer" method. Hydrogen, or
in some cases argon, was used as the "carrier" gas.
(Chemistry--Physical, TT, v. 10, no. 5) (over)

63-13588

I. Semenkovich, S. A.
II. Translations, New York

Office of Technical Services

Derivation of Anhydrous Magnesium Chloride
by Heating Ammonium, by V. A. Klementev,
T. A. Shestakova. 21p.

RUSSIAN, per, Trudy Vsesoyuznyi Nauchno-
Issledovatel'skii Alyuminievo-Magnievyyi
Institut, No 50, 1963, pp 56-65.

SLA TT-66-10254

Sci-M&M
Jul 66

306,059

Soviet practice of Producing Diamond Drilling
Bits, by A. M. Karkhin.
RUSSIAN, per, Trudy vses. Nauchno-issled. Inst.
Burov. Tekh., No 6, 1962, pp 41-49.
CRL/T.1950

Sci -
Jul 67

333,710

Dynamic and Static Soundings of Soils in Engin-
eering Geology, by G. K. Bondarik, 116 pp.
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Komitet SSSR. Trudy Vsesoyuznogo Nauchno-
Issledovatel'skogo Instituta. Gidrogeologii i
Inzhenernoi Geologii (Vsegineo), New Series
No 8, 1964.
CFSTI TT 67-51257

Sci-Earth Sci
Mar 68

351,978

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From Silurian of Podolia, by E. Z. Bulvanker.

RUSSIAN, per, Trudy Vses Nauch-Issled Geol Inst
(VSEGEI) Ministerstva Geologii, Moscow, 1952.

Dept of Interior
QE3, E57, No 2

Sci - Geophysics
Oct 60

128,669

Genus *Arachnastraea* Yabe et Hayasaka, 1916,
Family Cystophoridae fam. nov., Genus *Cystophora*
Yabe et Hayasaka, 1961, Genus *Lonsdaleiastraea*
Gerth, 1921; Excerpts from Rugose Corals and
Stratigraphy of Middle and Upper ~~EE~~ Carboniferous
and Permian Deposits of the Donets Basin, by
V. D. ~~REBNIK~~ Fomichev, 121 pp.

RUSSIAN, per, Trudy Vses Nauchno-Issled Geolog
Instituta (VSEGEI) Ministerstva Geologii, 1953,
pp 435-440.

168,398
Dept of Interior
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Sci - Geophys

SEPT 61