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642-562  
Reel # 89

APPROVED FOR RELEASE: 2005/08/30 CIA-RDP91-00772R000200960001-0

Clay Minerals of Chernozem, Chestnut and  
Solonchaks Soils, by N. I. Barbunov

RUSSIAN, no per, Pochvevedeniye, No 11, 1955,  
pp 26-35. CIA 9006525

USDA

RT 4-11  
40,114

Sci - Biology

USSR

Economic

Oct 56 GTS

A Method of Obtaining Soil Solutions Under Natural  
Conditions, by S. L. Shilova.

RUSSIAN, par, Pochvovedenie, No 11, 1955, pp 86-90.

NEL INS 2302 (Lover)

Sci - Agril  
Feb 64

246.267

The Fk-2 Apparatus of Prof F. Kolyasov for the  
Determination of Soil Moisture, by V. Akimtshev,  
et al.

RUSSIAN, per, Pochvovedenie, No 11, 1955,  
pp 97-99.

CSIRO 4158

Sci - Geophys  
Aug 62

311, 223

T. D. Lysozko's "Soil Feeding of Plants - the  
Basic Problem of Agricultural Science," Reviewed  
by A. V. Sokolev

RUSSIAN, no per, Tr. Pochvevedeniya, No 11, 1955,  
pp 100-103. CIA 9006536

USDA

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Sci - Biology  
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Economic  
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The Role of Weathering in the Development of  
Soil Profiles, and the Categories of Soil  
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Bull. Int. Geophys. No. 12, 1954.  
351.975

Soil-articles  
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The Content of Microelements in Certain Soils  
Developed on Ore-Bearing Rocks, by D. P.  
Malyuga, A. I. Makarova, 7 pp.

RUSSIAN, per, Pochvovedenie, No 1, 1956,  
pp 50-53.

ABC NP-Tr 253

Sci - Geophys

Sep 59

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Classification of Soils of the Northern Part of the  
European USSR, by E. N. Ivanova, 25 pp.

RUSSIAN, per, Pochvovedeniye, No 1, 1956, pp 70-83.  
9067312

OTS 61-11496  
PL-480

Sci - Geophys

Oct 62

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PST 554



Evaporation of Suspended Water from Soil, by M.  
Abramova.

RUSSIAN, per, Pochvovedenie, Vol II, 1956, pp  
27-41.

CSIRO-3264

Sci

AUG58

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Patterns in the Distribution of Argillaceous Minerals  
in the Chief Types of Soils of the USSR, by N. I.  
Corbunov,

RUSSIAN, par, Pochvovedenie, No 2, 1956, pp 75-89.

ATS RJ-934  
ATS 29J17R

Sci - Min/Met  
Jul 59

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Kononova, M. M.  
THE HUMUS OF THE MAIN TYPES OF SOIL OF  
THE USSR: ITS NATURE AND MODE OF FOR-  
MATION (Gumus Glavneyshikh Tipov Pochv. SSSR, Yego  
Priruchn. i Pril. Chrezv. izdaniy). [Paper] presented at  
All-Union Meeting of Soil Scientists (Vsesoyuznoye  
Sobeshestvennoye Pechenovanie) Moscow, 28 Jan-4 Feb. 56.  
Order from OTS or SLA 31.00

61-19800

Trans. of Pochvovedeniye (USSR) 1956, no. 3, p. 18-30.

DESCRIPTORS: \*Soils, USSR

(Earth Sciences--Geology, TT, v. 6, no. 2)

61-19800

- I. Title: Humus
- I. Kononova, M. M.
- II. Title: All-Union.
- III. Title: Vsesoyuznoye.
- IV. RTS-1818
- V. Department of Scientific  
and Industrial Research  
(Gt. Brit.)

10750

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Rode, A. A.  
The water regimes of soils (Vodnyi rezhim  
pochv i ego tipy). -- Pochvovedenie, 4, 1-23.  
1956. In Russian.

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\* OTC 60-2113-

*Agroprom*

*not listed*

Formation of Secondary Minerals in Soils and Plants  
in Connection With the Migration of Elements, by E. I.  
Arfenova, E. A. Yarilova, 10 pp. 9078506

RUSSIAN, per, Pochvovedeniye, No 4, 1956, pp 36-42.

OTS 60-21838  
PL-480

SI - Geophysics  
SP 61  
SI No 239

166,965

The Dry-Steppe Soils of the Barguzin Basin, by  
N. A. NOGINA,  
RUSSIAN, per, Pochvo Vedenie, Vol 6, 1956, pp 56-69.

\*PST 192

Studies of the Elasticity of Soils in China,  
by K. Hou, S. Chang.  
RUSSIAN, per, Tekhnovedenie, No 5, 1956,  
pp 17-24.  
SFOISI T1 65-50068

SOI/BEH  
JUGS 65

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On the Problem of Plasticity Studies of the Soils  
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RUSSIAN, per, Pochvovedeniye, No 5, 1956,  
pp 17-24.

\*PL-480  
OTS 65-50068

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Onchukov, D. N.  
DIURNAL RELATIONSHIPS IN THE TRANSFER OF  
HEAT AND MOISTURE IN SOILS. [1961] 8p.  
Order from ATS \$14.40                      ATS-02N55R

Trans. of Pochyovedeniye (USSR) 1956, no. 5,  
p. 25-30.

DESCRIPTORS: \*Heat transfer, \*Moisture, \*Soils.

(Agriculture, TT, v. 6, no. 11)

61-25622

- I. Onchukov, D.N.
- II. ATS-02N55R
- III. Associated Technical Services, Inc.,  
East Orange, N. J.

Office of Technical Services

Roentgenography and Infra-Red Spectroscopy  
Applied In the Research Into the Structure  
Of Humus Substances by V.I. Kasatochkin and O.I.  
Zilberbrand.

RUSSIAN, per, Pochvovedenie, No 5, 1956, pp 80-85.

CSIRO

Oct. 62

Pedology, by M. M. Konova.

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CSIRO

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Apr 62

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Seasonal Dynamics of Certain Soil-Forming  
Processes. (extract), by S. P. Yurkov.

RUSSIAN, per, Pochvovedenie, No 6, 1956,  
pp 30-44.

GB/25

Sci-Agri  
May 63

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Rozov, N. N.  
PRINCIPLES OF ELABORATING A GENETIC CLASSI-  
FICATION OF SOILS (K Voprosu o Printsipakh  
Postroyeniya Geneticheskoi Klassifikatsii Pochv). 1963,  
Sp. PL-480 Agr.  
Or or from OIS \$0.50

61-31001

Trans. of Pochvovedeniye (USSR) 1956, no. 6, p. 76-[81].

DESCRIPTORS: \*Soils, \*Genetics, Classification,  
Taxonomy, \*Soil mechanics, Synthesis, Organic  
materials, Geology, Water entry, Minerals,  
\*Geochemistry.

The present communication is a preliminary attempt to  
deal comprehensively with the classification problem,  
based on currently available data on the world's soil  
cover and on modern pedogenetic concepts. (Author)

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

61-31001

- I. Title: Pedogenesis
- I. Rozov, N. N.
- II. PL-480 Agr (61-31001)
- III. National Science  
Foundation, Washington,  
D. C.

Office of Technical Services

Ivanova, E. N.  
AN ATTEMPT AT A GENERAL SOIL CLASSIFICA-  
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29p. 53 refs. PL-480 Agr.  
Order from OTS \$0.50

61-11495

Trans. of Pochvovedenie (USSR) 1956, no. 6,  
p. 82-102. 9068480

DESCRIPTORS: \*Soils, \*Classification.

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

61-11495

I. Ivanova, E. N.  
II. PL-480 Agr (61-11495)  
III. National Science Founda-  
tion, Washington, D. C.

Office of Technical Services

Hydrophysical Methods of Calculating the  
Water Balance of Bogs, by V. V. Romanov, 34 pp.

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OPS 60-412  
PL 180

Sci-Geophys

Aug 60

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The Problem of "Contamination" of Soils and Crops  
With the Products of Radioactive Fission, by Yu. A.  
Polyakov, N. S. Germogenova, 34 pp.

RUSSIAN, no. per, Pochvovedeniye, No 8, Aug 1956,  
pp 57-73. CIA 9010525

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Sci - Geophysics  
Jul 57



Classification of Eroded Soils, by G. A. Frenskovskiy;  
42 pp.

RUSSIAN, per, Pochvoved, No 10, 1956, pp 69-90.

OPS 60-21132  
PL 480

Sci-Geophys

Aug 60

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Application of the GKbP-3 Gas Analyser to the Study  
of the Gas Exchange in Soils, by I. Turlun, 11 pp.

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SLA R-3625

Sci

Aug 59

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SOILS AND DISEASES, BY V. V. AKIMTSEV, L3 PP.  
RUSSIAN, PER, POCHVOVEDENIE, VOL VII, 1957, PP 91-98.

NIH 6-23-62

SCI -- BIOL, MED

208,761

AUG 62

Remarks of Insufficiently Studied Problem  
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RUSSIAN, per, Pochvovedenie, No 1,  
1957, pp 76-81.

CSIRO 3739

Sci -- Biol  
Mar 62

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The Alteration of the Soil Under Shelter-  
Belts of Different Composition, by Kh. K.  
Mustafayev, 5 pp. 9080440

RUSSIAN, part, Pochvovedeniye, Vol. I, 1957,  
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OTS 60-21900  
FL 480

Sci - Geophys  
Sep 61  
PST No 283

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The Method of Research of Some Physical and Hydro-  
Physical Properties of Stony Soils, by E. N.  
Zaidel'shan, 10 pp.

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9076590

OTS 60-51183  
PL-280

Sci - Geography  
May 61  
PST No. 174

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Meshcheryatov, D.P. and Markov, E.S.  
IMPORTANCE DES RECHERCHES BIOLOGIQUES ET  
BOTANIQUES POUR L'ÉLABORATION DES MÉTHODES  
D'ASSÈCHEMENT (The Importance of Soil and Botanic  
Investigations in Drainage Projects): 7p. 1ref.  
CNRS-II 119.  
Order from OTS, ETC or CNRS \$1.10 TT-62-28857

Trans. in French of Pochivovedenie (USSR) 1957, no. 2,  
p. 131-133.

DESCRIPTORS: \*Agriculture, Soils, Water, \*Drainage,  
Wines.

(Agriculture -- Plant Cultivation, TT, v. 11, no. 9)

TT-62-28857

- I. Meshcheryatov, D.P.
- II. Markov, E.S.
- III. CNRS-II 119
- IV. Centre National de la Recherche Scientifique, Paris

Office of Technical Services  
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The Content of Microelements, Cu, Zn, Co  
and Mn in Certain Soils of the Latvian SSR,  
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CFSTI TT 65-50067

Sci - Chem, Agri  
Jun 66

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OTS 10-21, 30  
PL-400

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LOV 51  
PST 207

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Determination of the Specific Water  
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CSIRO 3665

Sci. Geophys

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pp 71-75.  
CFSTE TT 66-81106

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at (7)

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L. G. Rozanov,  
RUSSIAN, per, Pochvovedenie, No 6, 1957,  
pp. 16-25.  
CESTL DT 65-51127

Sci-Agr  
Mar 67

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A Chemical Theory of Cation Exchange,  
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RUSSIAN, per, Pochvovedenie, No 6,  
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CSIRO 3745

Sci - Chem

Mar 62

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The Millipedes (Juloida) and Their Role  
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9 pp.  
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OTS-TT 65-50059

Sci-Earth Sci & Astron  
May 65

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Dynamics of Uronic Acids in the Anaerobic De-  
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Timothy, by H. Z. Tepper.

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pp 95-99.

GB/25

Sci-Biol  
May 63

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Changes in the Properties of Ordinary Chernozem  
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Age Groups of Forest Strips, by Kh. M. Mustafayev,  
10 pp. 9080442

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OTB 60-21899  
PL 480

Sci - Geophys  
Sep 61  
FST No 282

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The Theory of Gas Exchange in Soils, by I. A.  
Turlyun, 13 pp. UNCL

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Sci - Biol  
Mar 59

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From the results of the Crew of the Academy of Sciences,  
USSR, Investigating the System of Soil Tillage  
According to the T.S. Mal'sev Method on the  
Experimental Station at Shadrinsk by I.V. Tyurin.  
RUSSIAN, per Pochvovedenie, No. 8, 1957, pp 1-11  
URC/CS 596

Sci -  
Sep 1967

359-716

The Influence of Soil Moisture on the Intensity of  
Transpiration of the Tree and Bush Species, by I. V.  
Gulidova, E. A. Afanas'yeva, 10 pp. 9078499

RUSSIAN, per, Pochvovedeniye, No 8, 1957, pp 46-53.

OTS 60-21883  
PL-480

Sci - Geophys, Biol  
Sep 61  
BST No 270

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First Plenum of the Commission for Soil  
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Academy of Sciences of the USSR, by  
N. N. Rozov.

RUSSIAN, per, Pochvovedenie, No 8,  
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CSIRO 3742

Soil - Biol

188, 542

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Soils of the Isolated Pine Forests in Kazakhstan, by  
E. N. Ivanova, E. V. Semina, 14 pp.

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9067314

OTS 61-11497  
PL-480

Sci - Geophys

OCT 62

PST 556

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Newly Formed Clay Minerals in Soils, by  
E. A. Yarilova, E. I. Parfenova, 16 pp.  
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OTS 63-11080  
PL-480

Sci - M/M  
Jul 64

263,045

Some Problems Involved in Forecasting the  
Salt Regime of Land Recently Under Irriga-  
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RUSSIAN, par, Pochvovedenie, No 9, 1957,  
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CSIRO 3883

Sci - Biol, Geophys  
Aug 62

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How to Organize the Work of Nomenclature,  
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A. A. Rode, 10 pp.  
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CFSTI TT 66-51105

Sci - ES  
Jun 67

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Rode, A. A

Development of the Science of soil water  
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(10): 1-15. 1957. In Russian.

\*OTS 60-2112

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A Short Review on Results of Forty Years of  
Investigation on Forest Soil Science, by  
S. V. Zonn, 24 pp. 9080438

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OTB 60-51026  
PL 480

Sci - Geophysics  
Sept 61  
PST No 312

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Development of Soil Science in The USSR for the  
Last Forty Years, by I. V. Tiurin.

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pp 1-13.

✓OTS 60-21138  
PL-480

Sci - Agri  
Apr 64

Development of the Doctrine of Soil Genesis in  
Soviet Pedology, by E. V. Lohova, E. N. Ivanova,  
N. A. Nogina, V. M. Fridland, 26 pp.

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OTS 60-21113  
PL 480

Sci-Geophys

Aug 60

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Kovda, V. A.

Novaya N. I. Kondorskaya

A new soil map of China (Pochvennaya karta  
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45-51. 1957. Map. In Russian.

*J*  
*\* 073 60-21140*

Drobnik [Ya.].  
STUDY OF THE BIOLOGICAL TRANSFORMATION  
OF ORGANIC SUBSTANCES IN THE SOIL (Izuchenie  
Biologicheskikh Prevraschenii Organicheskikh  
Veshchestv v Pochve). Jan 62 [13]p. 34 refs. RTS 2012.  
Order from OTS or SLA \$..60 62-13926

Trans. of Pochvovedenie (USSR) 1957, no. 12, p. 62-71.

DESCRIPTORS: \*Organic materials, \*Soils, Decom-  
position, \*Nitrogen, \*Biosynthesis, Respiration,  
\*Oxygen compounds, Microbiology, Micro-organisms.

The processes of transformation of substances which  
form the basis of life of the soil and which are ex-  
pressed by continuous decomposition of some com-  
pounds and the synthesis of others, are closely as-  
sociated with the activity of micro-organisms.  
(Biological Sciences--Biochemistry. TT, v. 7, no. 7)  
(over)

62-13926

- I. Drobnik, Ya.
- II. RTS-2012
- III. Department of Scientific  
and Industrial Research  
(Gt. Brit.)

Office of Technical Services

Seepage of Water From Soils in Mountainous Regions  
of the Humid Subtropics, by A. M. Burykin,  
13 pp. 9080449

RUSSIAN, per, Pochvovedeniye, No 12, 1957, pp 90-97.

OTS 60-21877  
PL 480

Sci - Geophysics  
Sep 61  
#ST No 266

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166, 916

The Capillary/Noncapillary Juice Content  
Ratios as Factors in the Water Supply of  
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CSIRO

Sol - Biol  
Jun 62

199, 376



POCHVOVEDENIE  
(Soviet Soil Sciences - monthly)  
Translation of 1955 up to and  
including 1961  
Order from: National Technical Information  
Service  
5285 Port Royal Road  
Springfield, Virginia 22151  
\$ 3.00 single issues

*Order by Service*

*Russ*

Practical Soil Science, by N. N. Nikol-skiy, 240 pp.  
RUSSIAN, bk, Pochvovedenie, 1959, 320 pp

OTS 63-11083  
PL-480

Sci - Earth Sci & Astron  
Mar 64

250,879

POCHVOVEDENIE  
(Soviet Soil Science - bimonthly)  
Translation begins with 1962  
Lag time: ca. 6 to 9 months  
Order from: Soil Science  
Society of America  
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Madison, Wisconsin 53711  
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1970 issues: \$ 63.00/year USA  
1971 issues: \$ 66.00/year USA  
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USA and its possessions (prepayment)  
Back issues available from 1962

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*Russ  
old*

SOVIET SOIL SCIENCE. 1961, NOS. 1-12.  
Jan-Oct 62, 12 nos.  
Order from OTS or SLA

Trans. of Pochvovedenie (USSR) 1961, nos. 1-12.

DESCRIPTORS: Soils.

no. 1, 116p. \$9.60, 63-23475-(1)  
no. 2, 129p. \$10.10, 63-23475-(2)  
no. 3, 129p. \$10.10, 63-23475-(3)  
no. 4, 120p. \$9.60, 63-23475-(4)  
no. 5, 116p. \$9.60, 63-23475-(5)  
no. 6, 116p. \$9.60, 63-23475-(6)  
no. 7, 116p. \$9.60, 63-23475-(7)  
no. 8, 128p. \$10.10, 63-23475-(8)  
no. 9, 116p. \$9.60, 63-23475-(9)  
no. 10, 119p. \$9.60, 63-23475-(10)  
no. 11, 115p. \$9.60, 63-23475-(11)  
no. 12, 117p. \$9.60, 63-23475-Index-(12)  
(includes index)

63-23475-(1-12)

I. American Inst. of  
Biological Sciences,  
Washington, D. C.

(Earth Sciences, TT, v. 10,  
no. 7)

Office of Technical Services

(8F-1832)

Nikolay Vasil'yevich Orlovskiy, 3 pp.

RUSSIAN, per, Pochvovedeniye, No 1, 1960, pp 111-112.

JPRS 4663

USSR

Elog

Jun 61

157,988

(SF-2212)

V. M. Klechkovskiy, 5 pp.

RUSSIAN, per, ~~Zhurnal~~ Pochvovedeniye, No 3,  
1961, pp 113-115.

JPRS 13882

USSR  
Biog  
Jun 62

(SF-1878)

Vsevolod Mavrikiyevich Klechkovskiy, 4 pp.

RUSSIAN, per, Pochvovedeniye, No 3, 1961, pp 113-115.

JPRS 4809

USSR

Bio

Sep 61

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(NY-0501)

Dist. Storms in the Southern Ukraine During the  
Spring of 1960, by H. A. Kulikov, 9 pp.

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Oct 61



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CFRBI TT-66-51088

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Sci - Chemistry  
Apr 67

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CFSTI TT 66-51136

Sci-Lar Sci  
Feb 67

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Basic Soil Science for Agriculture, by  
V. V. Wil'yans.

RUSSIAN, bk. sohvovedeniye. Zemlebelie s  
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CFSTI TT 67-51283

Sci-Agr  
May 69

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The Soils of the Alma-Ata Oblast, by  
S. I. Askonov. S. F. Sokolov  
RUSSIAN, mono, Pochvy Alma-Atinskoy  
Oblasti, No 4, 1962, 432 pp.  
\*CFSTI TT 70-57106

Sci-BGM  
Mar 70

Soils of the Southwestern Part of the Kola  
Peninsula, by OA Polin'tseva.

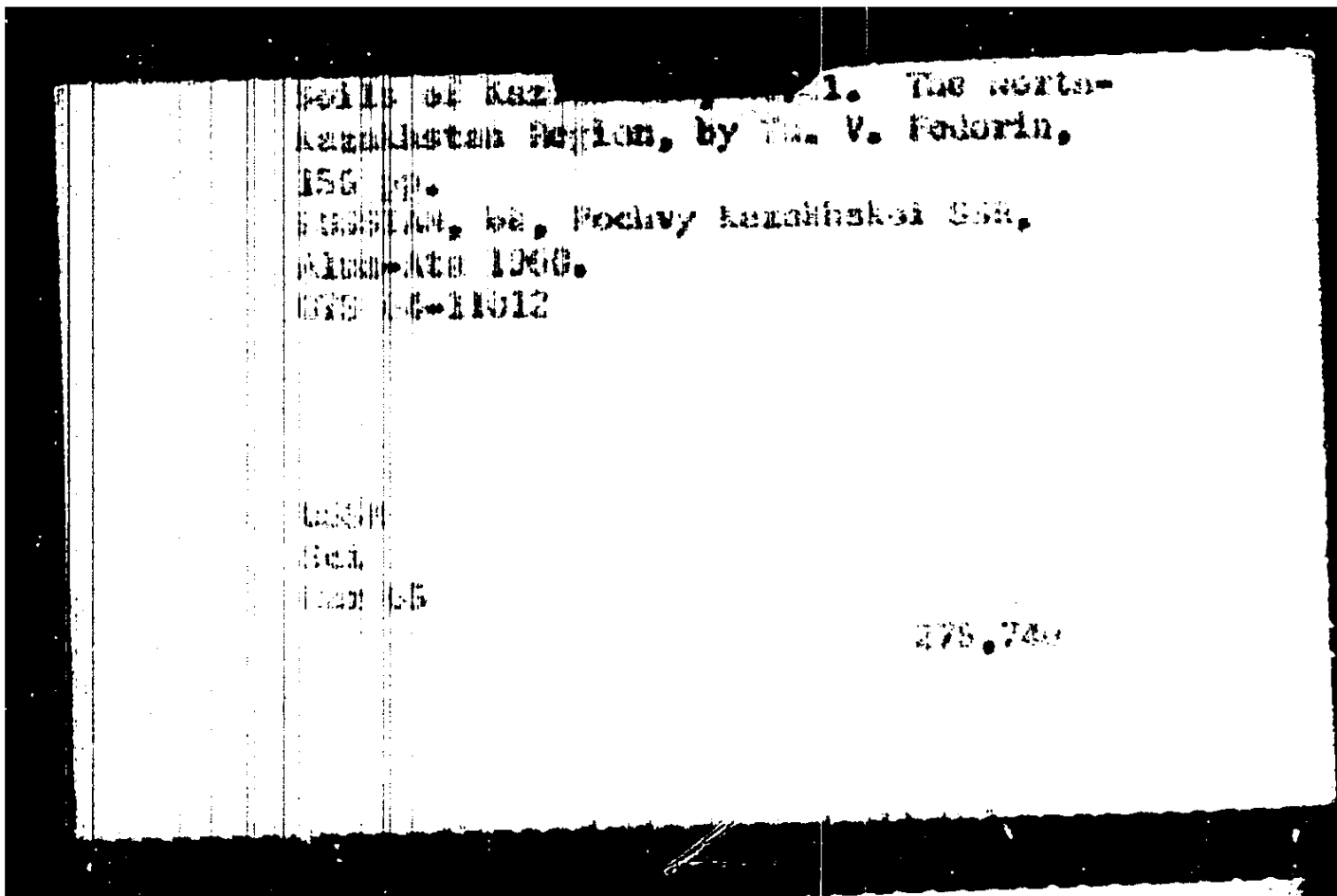
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\*PL 480

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OTS 1-1000

Mar 61



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RUSSIAN, bk, Pochvy Kustanayskoi Oblasti,  
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\*CFSTI TT 67-59056

6

Sci-Ear Sci  
Jul 67

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*Completed  
Special*

Russian

10  
12/10  
12/10 SF

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