

The Dynamic Thermoelastic Problem of Plates
and Shells in the Presence of Radiation,

by V. V. Bolotin, 8 pp.

RUSSIAN, per, Tr. Konf. Teor. Plast.

Oblochek, Kazan, 1960, pp 27-32.

F911409767

AEC SC-T-67-0928

Sci-Physics

Feb 68

347,508

Growing of Single Crystals of Calcite
Under Hydrothermal Conditions, by
N. Yu. Ikornikoya.
RUSSIAN, per, Trudy Inst Kost Kristallov,
Ak Nauk SSSR, No 4, 1964, pp 92-94.
*FTD-HT-23-#63-67

Sci - Materials
Mar 67

Tr. A.K. Nauk SSSR Inst. Kristallografi

An X-Ray Examination of the Crystal Structure of
 $\text{NaAu}(\text{CN})_2$, by E. A. Shugan, G. S. Zhdanov,

RUSSIAN, per, Trudy Inst Krist Ak Nauk SSSR,
Vol IV, 1948, pp 179-184.

AEC Tr-4032

Sci - Chem

May 60

117,379

(FDD 27621)

Spectrophotometric Investigations of the Coloring
of Quartz, by G. G. Lemal'eyu, 3¹/₂ pp.

RUSSIAN, irreg par, Trudy Instituta Kristallografi
Aka Nauk SSSR, No 6, 1951, pp 269-288.

CIA/FDD U-6890

USSR

Sci - Chemistry, Minerology
Oct 56

39,638

The Results of Laboratory Investigations of Different
Properties of the Crystals of Artificial Corundum,
by S. M. Grun-Grahimailo et al.

RUSSIAN, per, Trudy Instituta Kristallografi,
No 8, 1953, pp 5-12.

SIAP-330

Co-Op Tr Sch 180
\$1.12s. (Cs.01.)

39,584

Sci - Chemistry

Sci - Chem

5/1/53

Rudnitskaya, E. S.
FUNDAMENTALS OF THE CRYSTALLOGRAPHY OF
CORUNDUM [Osnovnye Svedeniya o Kristallografi i
Strukture Kristallov Korunda] tr. by B. W. Kuvshinoff.
2 Oct 62, 9p. 6 refs. APL/JHU TG 230-1337.
Order from OTS \$0.50 63-11507

Trans. of Akademiya Nauk SSSR, Institut Kristallo-
grafii, Trudy, 1953, v. 8, p. 13-20.

DESCRIPTORS: *Aluminum compounds, Oxides, *Co-
rundum, Ruby, Sapphires, *Crystal structure, Lat-
tices, Symmetry (Crystallography), X-ray diffraction
analysis.

TG 230-1337/APL 1337

(Physics--Solid State, TT, v. 9, no. 6)

63-11507

- I. Rudnitskaya, E. S.
- II. APL/JHU TG 230-1337
- III. Applied Physics Lab.,
Johns Hopkins U.,
Silver Spring, Md.
- IV. Contract N0w-62-0604-c

Office of Technical Services

V
Properties of Isomorphous Mixtures $Al_2O_3-Cr_2O_3$,
by S. V. Grum-Grzhimailo.

RUSSIAN, per, Trudy Instituta Kristallografii,
No 8, 1953, pp 27-34.

SH 11-2-54
Coop Trans Scheme Tr 181
L2.8s. (8s.0d.)

Sci - Chemistry

Jul 1956

36,409
CTS 62-11796
-cc: [unclear] 57/4027

The Density of Artificial Corundum, by E. N.
Slavnova, et al.

RUSSIAN, irreg per, Trudy In Kristal, No 8, 1953,
pp 35-40.

Co-Op Trans Sch Tr 245
£2.8s. (6s.0d.)

Sci - Min/metals

42,273

Notes on the Problem of Heating a Corundum
Charge, by E. G. Valyashko, et al.

RUSSIAN, per, Trudy Instituta Kristallografi,
No 8, 1953, pp 77-88.

Coop Trans Scheme Tr 182
14.16a. (12a.0d)

Sci - Minerals/Metals, Chemistry

36,414

Jul 1956

<p>Grum-Grzhimallo, S. V. and Utkina, Ye. I. THE FEASIBILITY OF DETERMINING THE AMOUNT OF CHROMIUM IN RUBY BY AN OPTICAL METHOD. [1960] 11p. Order from ATS \$17.10</p>	<p>ATS-61M47R</p>	<p>61-12774</p>
<p>Trans. of Akad[emiya] Nauk SSSR, Inst[itut] Kristallografi[ya], Trudy, 1953, no. 8, p. 99-110.</p>	<p>1. Chromium--Determination 2. Spinel--Optical analysis I. Grum-Grzhimallo, S. V. II. Utkina, Ye. I. III. ATS-61M47R IV. Associated Technical Services, Inc., East Orange, N. J.</p>	
<p>151547</p>		
<p><i>None to 3550/APL 332</i></p>		
<p>(Physics--Solid State, TT, v. 5, no. 8)</p>	<p>Office of Technical Services</p>	

<p>Valyashko, Ye. G. and Grum-Grzhimaylo, S. V. THE COLOR OF CORUNDUM AND METHODS USED IN ITS STUDY. [1960] 17p. Order from ATS \$23.95</p>	<p>61-12671</p>
<p>ATS-60M47R Trans. of Akad[emiya] Nauk SSSR, Inst[itut] Krist[allografi] Trudy, 1953, v. 9, no. 8, p. 111-128</p>	<p>1. Corundum--Color 2. Corundum--Test methods I. Valyashko, Ye. G. II. Grum-Grzhimaylo, S. V. III. ATS-60M47R IV. Associated Technical Services, Inc., East Orange, N. J.</p>
<p>148,649</p>	<p>ATS/RT-2165</p>
<p><i>Handwritten scribble</i></p>	<p>Office of Technical Services</p>
<p>(Physics--Solid State, TT, v. 5, no. 7)</p>	

Apparatus for the Study of Optical Anomalies in
Synthetic Corundum and of its Orientation, by
S. V. Grum-Grzhimailo.

RUSSIAN, per, Trudy Inst Krist Ak Nauk SSSR,
Vol VIII, 1953, pp 165-188.

ILL RPS 2147
(loan)

238,125

Sci -
Jul 63

Bending Strength of Corundum With Traces of Plastic
Deformation and Mosaic Structure, by G. E. Tomilovsky

RUSSIAN, per, Trudy Instituta Kristallografi
Akademii Nauk SSSR, No 8, 1953, pp 225-232.

Co-Op Tr Sch No 183
£28.8s. (8s.0d.)

Sci - ~~Classification~~
Physics

39,319

Brittleness of Corundum Crystals, by N. Yu.
Ikornikova.

RUSSIAN, Trudy Instituta Kristallografi
Ak Nauk SSSR, No 8, 1953, pp 233-235.

Coop Trans Scheme Tr 184
Ll.4s. (4s.0d.)

Sci - Minerals/Metals, Chemistry

Jul 1956

36,412

S-H-A-R-1530

See trans file 57/4078

Plastic Deformation of Synthetic Corundum
Crystals, by N. V. Klassen-Bekiyudova et al.

RUSSIAN, per, Trudy Institutu Kristallografi
Akademii Nauk SSSR, No 6, 1958, pp 237-246.

3
Co-Op Tr Sch No 165
£2.10s. (102.0d.)

Sci - Chemistry
Physics

39,318

SKA R - 3137

The Behavior of Corundum With Optical Anomaly
Under Different Mechanical Treatments, by
L. F. Grigor'eva.

RUSSIAN, irreg per, Trudy Inst Kristal, No 8,
1953, pp 261-273.

Co-Op Trans Sch Tr 244

Sci - Physics

43,436

Investigation of the Strength of Synthetic
Comundum of Various Origins and the Effect
of Impurities on the Strength, by V. M.
Klassen, Neklyudova, et al.

RUSSIAN, per, Trudy Instituta Kristallografii
Ak Nauk SSSR, No 8, 1953, pp 213-202.

Coop Trans Scheme Tr 186
LA. (10s.Od.)

36,528
Sci - Minerals/Metals, Chemistry

Jul 1956

Sci Transl. 57/4051

Hardness of Synthetic Corundum, by N. Yu. Yekornikova,
10 pp.

RUSSIAN, per, Trudy Instituta Kristalografiy Akad
Nauk SSSR, Vol VIII, 1953, pp 293-298.

No

Sci Mus Lib 56/1156

Sci - Chemistry, physics

39,489

D.S.I.R. 127074

Grinding and Polishing of Synthetic Corundum,
by E. P. Kachalov, et al.

RUSSIAN, per, Trudy Instituta Kristallografi,
Vol VIII, 1953, pp 315-328.

Coop Trans Scheme Tr 206

L5.12s

Sci - Minerals/Metals

36, 366

Jul 1956

SLA R-5245

Influence of Annealing at 1300°C on the Mechanical
Properties of Crystals of Synthetic Corundum, by
G. N. Tomilovskiy.

RUSSIAN, per, Trudy Instituta Kristallografii, No 8,
1953, pp 341-354.

Co-Op Tr Sch 167
S.A. (14c.02.)

39,536

Sci - Chemistry

Crystallochemistry of AB Compounds of Transition
Metals With the Elements IV, V and VI of ~~III~~
Subgroup B, by G. S. Zhdanov, V. P. Glogoleva,
28 pp.

RUSSIAN, per, Trudy Inst Kristall Akad Nauk SSSR,
No 9, 1954, pp 211-220.

SLA R-1032

Sci - Chemistry
Mar 58

60,005

Atomic Structure of Some Metallic Compounds of
Bismuth, by G. S. Zhdanov, 23 pp. UNCLASSIFIED

RUSSIAN, per, Trudy Inst Kristallog Ak Nauk SSSR,
No 10, 1954, pp 99-116.

Sci Mus Lib Tr 57/4339

Sci - Chem
Sep 58

73,345

Thermal Constants of α -Aluminium Oxide, by
A. G. Chentsova.

RUSSIAN, per, Trudy Instituta Kristallografii,
No 8, 1955, pp 21-26.

Co-Op Tr Sch 198
£1.10s. (6s.0d.)

Sci - Chemistry

39,704

Conditional Projections in the F and F^2 Fourier Series, by B. K. Vainshtein, G. N. Tishchenko, 10 pp.

RUSSIAN, per, Trudy Instituta Kristallografii Ak Nauk SSSR, No 11, 1955, pp 68-74.

CIA/FDD XI-834

NOT RELEASABLE TO FOREIGN NATIONALS

Sci - Chemistry
May 60

116,333

USIS INTERNAL USE ONLY

Electron Diffraction Investigation of the System
Cadmium - Tellurium, by S. A. Semiletov,

RUSSIAN, per, Trudy Inst Krist Ak Nauk SSSR,
Vol XI, 1955, pp 121-123.

AEC TT-866

Sci - Phys

May 60

117, 397

Increase in Crystal Growth Rate by Application of Audio
Frequency Oscillations, by B. V. Vitovskiy, 2 pp.

RUSSIAN, per, Trudy Inst Krist Akad Nauk SSSR, No 11,
1955, pp 221-222. 9047761

ATB RJ-1161

Sci - Physics

Apr 60

112,989

62-16428

I. Melankholin, N. M.

Melankholin, N. M.
NEW APPARATUS FOR THE OPTICAL ORIENTA-
TION OF A QUARTZ PEBBLE. [1962] 7p.
Order from OTS or SLA \$1.10 62-16428

Trans. of Akademiya Nauk SSSR. Institut
Kristallografi. Trudy, 1955, v. 11, p. 239-242.

DESCRIPTORS: *Quartz, Crystals, *Crystal holders,
Piezoelectric crystals, *Optical analysis.

(Physics--Solid State, TT, v. 8, no. 10)

Office of Technical Services

The Dependence of the Creep Strength of the Single
Crystals of TlBr + TlI Upon the Deformation Rate and
the Temperature, by V. R. Regel', G. E. Tomilovskiy,
13 pp.

RUSSIAN, per, Trudy Ak Nauk SSSR, Inst Kristall,
Vol XII, 1956, pp 158-164. 9089602, 9066963

AEC UCRL Tr-837

Sci - Chem
Aug 62

208,443

Growth of Silicon Carbide Crystals From
the Gaseous Phase, by Yu. M. Zhashkov,
V. V. Rozhdestvenskaya.
RUSSIAN, per, Trudy Inst Kristallografii,
Ak Nauk SSSR, Vol IV, 1964, pp 117-121.
*PTD-MI-65-476

Sci - H/M
Sept 65

Crystallization of Alkaline-Earth
Molybdates Under Hydrothermal Conditions,
by B. N. Litvin, L. N. Dem'yanets.
RUSSIAN, per, Trudy Inst Kristallografi,
Ak Nauk SSSR, Vol IV, 1964, pp 162-167.
*FTD-MI-65-476

Sci - Earth Sci
Sept 65

X-Ray Study of the Structure of Anosovite and
of a New Isomorphous Series of Double $A_2B_5O_{15}$
Oxides, by A. Rusakov, G. Zhdanov.
RUSSIAN, per, Trudy Instituta Krystallografii
Akademii Nauk SSSR, No 9, 1964, pp 165-210
CSIRO/No 7593

Sci -
Jul 67

334,114

Swelling of Wood, by P. N. Odintsov.

RUSSIAN, per, Trudy Ak Nauk Latvyskor SSR,
Inst Lesokhov Prob, Vol XII, 1957, pp 45-56.

*PL-480
OTS 63-110824
PST-666

Sci
Jan 63

Hymenoptera Chrysididae of Tadzhikistan, by
Semenov-Tian-Shanskii, V. V., M. N. Nikol'skaja.

RUSSIAN, per, Trudy Inst Leningrad Ak Nauk SSSR,
Vol XV, 1954, pp 89-137.

*OTS 64-11081
PL-480

Sci
Feb 64

A System of the Tribe Hedychrini Moscs and Descriptions
of New Species, by V. V. Semenov-Tian-Shanskiik.

RUSSIAN, per, Trudy Inst Leningrad Ak Nauk SSSR, Vol XV,
1954, pp 138-145.

*OTS 64-1108x2
PL-480

Sci
Feb 64

Comparative Evaluation of Methods for the
Determination of Se in Chrome Nickel Steels,
by A. S. Andreev.
RUSSIAN, per, Trudy Leningrad Politekh, Inst.,
1959, (201), 24-34.
*BISI 4141

Sci/ Tot & Mat
Mar 65

Influence of Nonequilibrium Dissociation
on the Flow Around Blunt Bodies, by
Yu. P. Iam'kin, H. P. Shtengel', 5 pp.
RUSSIAN, per, Trudy Inst Leningrad
Politekhn., No 230, 1964, pp 7-13.
CIA/PIDDDXK53754

Sci - Phys
Nov 65
FOR OFFICIAL USE ONLY

291,876

The Effect of Aminazine on the Functions
of the Gastro-Intestinal Tract, by

A. Ye. Aleksandrova.

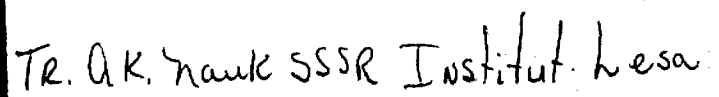
RUSSIAN, per, Trudy Leningradskogo
Sanitarno-Gigiyenicheskogo Medit
Instit, No 37, 1958, pp 197-213.

NIH 9-44-64

(LOAN)

Sci-B&M

Jul 65



Tr. A.K. nauk SSSR Institut. Lesa:

60-21910

Pravdin, L. F.
THE PRESENT STATE OF TREE SELECTION AND
SEED-GROWING AND METHODS FOR THEIR
DEVELOPMENT (Sovremennoe Sostoyanie i Puti
Razvitiya Seleksii Drevesnykh Porod i Lesnogo
Semenovedeniya). [Jan 62] 42p. 136 refs. PL-480 Agr.
Order from OTS \$0.50 60-21910

Trans. of Akademiya Nauk SSSR. Institut Lesa.
Trudy, 1951, v. 8, p. 5-35.

DESCRIPTORS: *Trees, Selection, *Seeds, Growth,
Genetics, Production.

(Agriculture--Plant Cultivation, TT, v. 7, no. 6)

- I. Pravdin, L. F.
- II. PL-480 Agr (60-21910)
- III. National Science Foundation,
Washington, D. C.

Office of Technical Services

The Present State of Tree Selection and Seed-
Growing and Methods for Their Development, by
L. F. Pravdin, 42 pp.

RUSSIAN, per, Trudy Instituta Lesa AK Nauk
SSSR, Vol VIII, 1951, pp # 5-35. 9099716

OTS 60-21910
PL-480

199, 439

Sci - Biol

Jun 62

The Breeding of Forest Trees in Uzbekistan, by
V. N. Rovskii, 20 pp.
RUSSIAN, per, Akademiya Nauk SSSR. Trudy Instituta
Lesa, Vol 8, 1951, pp 132-151.
CFSTI TT 67-51304

Sci-2 and 4
Mar 68

351,973

Structure and Physicomechanical
Properties of Spring- and Summerwood
of Oak, by V.L. Vikhrov, 11 pp,
RUSSIAN, per, Akademiya Nauk SSSR, Trudy
Instituta Lesa, Vol. 9:29-38. 1953.
OTS 64-11070

OSRP
Sci
Mar 65

OTS, 759

The Swelling Pressure of Wood, by I. M. Ivanov,

RUSSIAN, per, Trudy Inst Lesa Akad Nauk SSSR, Vol IX,
1953, pp 236-249.

UKSM Ref C-2210

Sci
May 58

63,725

Testing Compression Strength of Wood Across
the Grain, by V. A. Bazhenov, L. M.
Pereygin, Ye. A. Semenova, 22 pp. 9080444

RUSSIAN, per, Trudy Inst Lesa, Ak Nauk SSSR,
Vol IX, 1953, pp 315-331.

OTB 60-51131
FL 480

Sci - Chem
Sept 61
PST No 163

166, 788

proximate Graphical Determination of the Boundary
between Two Deformation Regions in Wood Testing-
Machine Diagrams, by Yu. M. Ivanov, 7 pp. 9079581

RUSSIAN, per, Trudy Inst Lesa, Ak Nauk SSSR, Vol IX,
1953, pp 332-336.

OTB 68-11420
BL-480

1 - Phys
p 61
No 164

166,952

Relaxation and Creep of Natural and Densified
Wood Under Compression, by P. Khukhryanskiy.

RUSSIAN, per, Trudy Instit^s Lese Ak Nauk SSSR,
Vol IX, 1953, pp 337-346.

9079580
CSIRO Tr 4802

Sci - Chem

OTS 61-11421
PL-480 156, 5.22

Jun 61

NLL 11.5.77

Resistance of Pinewood to Compression at Different
Angles to the Grain, by Yu. M. Ivanov, 34 pp.

79577

SSIAN, per, Trudy Inst Lesa, Ak Nauk SSSR, Vol IX,
53, pp 347-370.

OTS 61-11424
PL-480

Doc - Biol
p 61
T No 168

166,953

60-51020

Vakin, A. T.
PHYTOPATHOLOGICAL CONDITION OF OAK
GROVES IN THE TELLERMAN FOREST (Fitopato-
logicheskoe Sostoyanie Dubrav Tellermanovskogo
Lesa). 1961, 6p. PL-480 Agr.
Order from OTS \$0.50

60-51020

Trans. of Akademiya Nauk SSSR. Institut Lesa.
Trudy, 1954, v. 16, p. 5-9.

DESCRIPTORS: *Plants, *Pathology, *Trees,
Forestry, Fungi, Insects, Mildew.

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

I. Vakin, A. T.
II. PL-480 Agr (60-51020)
III. National Science Foundation,
Washington, D. C.

4093527

Office of Technical Services

60-51011

Shumanov, E. A.
DISEASES AND INJURIES IN YOUNG OAKS IN THE
BORISOGLEBSK FOREST AREA (K Voprosu o Bolez-
nyakh i Povrezhdeniyakh Molodogo Duba v Boriso-
glebskom Lesnom Massive). 1961, 23p. 29 refs.
PL-480 Agr.
Order from OTS \$0.50

60-51011

Trans. of Akademiya Nauk SSSR. Institut Lesa.
Trudy 1954, v. 16, p. 110-128.

DESCRIPTORS: *Trees, *Diseases, Botany, Mildew,
*Fungi, Wasps, Beetles, Moths, *Rodents, Mice,
Rabbits, Grasses, Injuries, *Insects, Forestry,
Pathology.

See also 60-51020

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

I. Shumanov, E. A.
II. PL-480 Agr (60-51011)
III. National Science Foundation,
Washington, D. C.

709.5083

Office of Technical Services

Shtraukh-Valeva, S. A.
WOUND ROTS OF STEMS OF CAUCASIAN FIR
(Ranevye Gnili Stvolov Kavkazskoi Pikhly). [Nov 61]
13p. 14 refs. PL-480 Agr.
Order from OTS \$0.50

60-51006

Trans. of Akademiya Nauk SSSR Institut Lesa. Trudy
1954, v. 16, p. 336-346.

DESCRIPTORS: *Plants, *Trees, *Fungi, *Pine,
*Diseases, Microorganisms, Parasites, *Ecology,
Histology

A study was made of the flora of wound rot fungi, and
the composition of fungi causing brown rots in Cauca-
sian fir. Isolations were made from 55 specimens, of
which 20 yielded mixed cultures of fungi and bacteria,
while 12 yielded only bacteria.

(Biological Sciences--Botany, TT, v. 7, no. 2)

60-51006

I. Shtraukh-Valeva, S. A.
II. PL-480 Agr (60-51006)
III. National Science Foundation,
Washington, D. C.

Office of Technical Services

The Biological Bases of the Flowering and Fruit
Bering in Oak, Ye. G. Minina.
RUSSIAN, per, Trudy Ak Nauk SSSR, Inst Lesa,
Vol 17, 1954, pp 5-97.
*CFSTI IT 70-57225

Sci/B&M
Sept 70

The Biological Cycle of Nitrogen and Ash
Elements in Forest Plantation, by
N. P. Remezov, K. M. Bykova, et al. 28 p.
RUSSIAN, per, Trudy Instituta Lesa Akademiya
Nauk SSSR, Vol 24, 1955, pp 167-194.
*CFSTI TT 66-51125

USSR
Sci/Agri
Jan 66

Studies on Forest Growth Conditions on Peat-Bog
Soils of the Forest Zone and the Tundra, by
N. I. Pjavcenko.

RUSSIAN, per, Trudy Inst Lesa, Ak Nauk SSR,
No 36, 1957, 186 pp.

*PL-480
OTS 65-50054

Sci
Sept 64

60-51166

Kucherenko, V. D.
SOILS OF THE CENTRAL PART OF THE URAL
RIVER VALLEY (Pochvy Sredney Chaati Doliny Reky
Ural). [1960] 45p. 11 refs. PL-480-PST-Cat. no. 191.
Order from OTS \$0.50 60-51166

Trans. of Akademiya Nauk SSSR, Institut Lesa,
Trudy, 1957, v. 34, p. 345-375.

151779

1. Soils--USSR
2. Soils--Properties
- I. Kucherenko, V. D.
- II. PL-480-PST-191
- III. National Science Foundation,
Washington, D. C.

Office of Technical Services

(Agriculture--Plant Cultivation, TT, v. 5, no. 9)

On the Theory of Forest Improvement Cuttings,
by V. P. Timofeev, 280 pp.
RUSSIAN, per, Trudy Inst Lesa, Ak Nauk SSSR,
Vol XXXVII, 1958, pp 46-66. 9221972
OTS 63-11026
PL-480

Sci - Agri
May 64

257,683

The Interrelations Between Density of Stocking. Grown
Closure, and the Number of Trees in the Stand, by
P. Sarma.

RUSSIAN, per, Trud Inst Leschaz, No 14, 1958,
pp 251-259.

*PL 480
Foreign Sv

Sci. *Book*
Apr 61

Studies on Forest Growth Conditions on Peat-Bog
Soils of the Forest Zone and the Tundra, by
N. I. Pyavchenko.

RUSSIAN, per, Trudy Inst Lesa, No 36, 186 pp.

*PL-480

Sci-Agr
April 64

60-51021

Vasil'ev, V. N.
THE BAIKAL-SAYAN REGION AS ONE OF THE
MAIN RECENT CENTERS OF FORMATION OF THE
GENUS BETULA L. (Baikal-Sayanskaya Oblast' kak
Odin iz Glavneishikh Pozdnykh Tsentrov Formirovaniya
Roda Betula L.). 1961, 24p. 10 refs. PL-480 Agr.
Order from OTS \$0.50 60-51021

Trans. of Akademiya Nauk SSSR. Institut Lesa. Trudy,
1958, v. 37, p. 120-141.

DESCRIPTORS: *Trees, Growth, *Classification,
Genetics, Ecology, Asia.

This survey of birches occurring in the Baikal-Sayan
region shows that almost all the large genetic series
found in the Soviet Union, with the exception of the
group of Central Asiatic species (Series Turkestan-
icae) are represented within the region's boundaries.

(Author)

(Biological Sciences--Botany, TT, v. 7, no. 4)

1. Title: Birch
- I. Vasil'ev, V. N.
- II. PL-480 Agr (60-51021)
- III. National Science Foundation, Washington, D. C.

478512

Office of Technical Services

Results of Observations on the Influence of
Continuous and Strip Plantations on the Distribution
of Snow Cover and on the Infiltration of Moisture Into
the Soil in Spring, by T. Ya. Kissis, 15 pp.
RUSSIAN, per, Trudy Inst Lesa Ak Nauk SSSR, Vol XLIII,
1958, pp 138-151.
OTS 64-11067
PL-480

Sci - Agri
Jan 65

271,039

Transpiration of Trees and Grasses in the
Central Taiga Zone and its Relation to
Meteorological Conditions, by I. V. Guildova.
RUSSIAN, per, Akademiya Nauk SSSR, Trudy
Instituta Lesa, Vol 41, 1958, pp 111-121.
CFSII TT 65-50051

Sci/Agri
Feb 66

294,704

61-31225

THE INCREASE OF PRODUCTIVITY OF SWAMPED FORESTS (Povyshenie Produktivnosti Zabolochennykh Lesov) tr. by A. Birron and Z. S. Cole. Symposium papers from a conference held in Moscow, 9-12 Dec 57. 1963, 153p. 102 refs. PL-480 Agr. Order from OTS \$1.50

61-31225

Trans. of Akademiya Nauk SSSR. Institut Lesa. Trudy 1959, v. 49, 146 pp.

DESCRIPTORS: *Swamps, Trees, *Forestry, *Drainage, Decomposition, Growth, *Soils, Soil mechanics, *Bacteria, Roads, Railroads, Hydrology, Effectiveness, *Transportation, *Aerial photography, Mechanical engineering, *Agriculture, *Mosses, Inhibition, Economics

Contents:

Preface

(Agriculture, TT, v. 9, no. 9)

(over)

1. Title: Estonia
2. Title: Latvia
- I. PL-480 Agr (61-31225)
- II. National Science Foundation, Washington, D. C.

Office of Technical Service.

Applying Biological Methods for Regulating Water
Conditions in Areas Undergoing Swamp Formation,
by A. A. Molchanov.

RUSSIAN, bk, Trudy Inst Lesa, ^{Vol XLIX} ~~№ 49~~, 1959, pp 45-53.

spz 480
Dept Int

sci -
Mar 61

Study of Timber Swelling, by Yu. Ivanov.
RUSSIAN, per, Trudy Instituta Lesa Ak Nauk SSSR,
No 51, 1962, pp 91-106.
CSIRO/No 6463

Sci Mat/Met
Apr 64

253,369

Transpiration of Trees and Grasses in the
Central Taiga Zone and Its Relationship to
Meteorological Conditions, by I. V. Gulidova.

RUSSIAN, per, Trudy Inst Lesa Ak Nauk SSSR,
Vol LI, pp 111-121.

*PL-480
OTS 65-50051

Sci
Sept 64

Comparative Anatomical Analysis of the Mature Wood
of Roots and Stems of Some Woody Plants, by
L. A. Lebendenko.

RUSSIAN, per, Trudy Inst Less Ak Nauk SSSR,
Vol LI, 1962, pp 124-134.

MLI RFS 2194
(loan)

338,126

Sci
Jul 63

Elongation and Longitudinal Shrinkage of Timber
During Swelling, by Yu. Ivanov.
RUSSIAN, per, Trudy Instituta Lesa Ak Nauk,
SSSR, No 51, 1962, pp 107-119.
CSIRO/No 6462

Sct-Mat/Met
Apr 64

253,370

NHL Ref: 9022.093 1963 (6462)
(2000)

ALPINE FORESTS OF SOUTHWEST CHINA, BY XXX A. V.
POBEDINSKIY, 17 PP.

RUSSIAN, PER, TRUDY INSTITUT XX LESA I DREVESINY,
VOL LYI, № 1961, PP 91-103.

JPRS 20085

SCI - AGRI
XMKJUL 63

235,555

Physiological Characteristics of Two Biotypes of
Young Spruce Trees, by I. V. Gulidova.

RUSSIAN, per, Trudy Inst Lesa i Drevesiny,
Vol LIII, 1962, pp 87-98.

*PL-480

OT S 65-55089

Sci-Agr
April 64

Towards a Scientific Basis for Certain Silvicultural
Measures in the Northern Part of the Vologda
Region, by G. P. Motovilov.

RUSSIAN, per, Trudy Inst Lcsa i Drevesiny,
Vol LIII, 1962, 254 pp.

*OTS 65-50122
SFCSI

Mar 65

R-6042-D
12 Oct 65

Determination of Mean Effective Thermal Coefficients
of Wood.

By: B. S. Cudinov

From: TRUD. INST. LES. 65: 48-65, 1963 (8 pp)

Russian - est for wds:

Type an original copy only. Document can be cut for
paste-up

Fruiting of Pinus Sibirica in East Siberia,
by A. P. Shymoniyuk.

RUSSIAN, per, Trudy Inst Lesa i Drevesiny,
Vol LXII, 1963, 190 pp.

*OTS 65-50123
SFCSI

Mar 65

Physiology of Woody Plants of Siberia, by
N. A. Khlebnikova and Others,
RUSSIAN, bk, Trudy Instituta Lesa i Drevesiny
Akademiy A Nauk SSSR, Sibirskoe Otdelenie, Vol
LX, Moscow 1963. 121 pp.
ESSR Program for Scientific Translations

Sci-Biol & Med Sci
Oct 66

313,053

Fruiting of the Siberian Stone Pine in East
Siberia, by A. P. Shimanyuk,
RUSSIAN, per, Trudy Instituta Lesa i Drevesiny
Sibirskoe Otdelene Akademiyu Nauk SSSR, Vol
LXII, 1963, pp 1-204.
CFSTI TT 65-50123

Sci-Agri
Dec 66

315,513

Problem of the Effectiveness of Forest Plantings in
the Protection of Crops From Fungus Diseases, by
I. G. Beilin.

RUSSIAN, per, Trudy Inst Lesa Nauchnye Voprosy
Polezakhchitnogo Lesozrazvediya, No 1, 1951, pp 252-264.

CIA 9033745

USDA

Sci - Biology
Nov 58

76,871

Plantation Density With Scots Pine, and Its
Biological and Forestry Importance, by ~~YxxNxx0x~~
Ovsjankin, Yu. N. Savic.

RUSSIAN, per, Trudy Inst Leshohoz. Problema
riga, No 11, 1956, pp 121-162.

*PL-480
OTS 65-50041

Sci
Sept 64

Preservative Properties of Lignosulphonic
Acids, by A. Kalnin'sh, N. Murashtchenko,

RUSSIAN, Trudy, Akad Nauk SSSR, Inst Lesokh i
Khi: Drev, Vol XIX, pp 201-206, 1960.

CSIRO/No 6071

Sci-Chen
May 63

MS. No. 100.1110.111

Breeding Frost-Resistance Forms of Juglans
Regia, by F. L. Scepotjev,
RUSSIAN, per, Trudy Institut Lesnoe, No 8,
1951, pp 95-114.
*CFSTI TT 67-51305

Sci-Agri
Dec 66

Choice of Original Seed and Methods of Raising
Young Seedlings, by A. M. Ozol,
RUSSIAN, per, Trudy Instituta Les, No 8, 1951,
pp 115-124.
*CRSTI TT 67-51318

Sci-Agri
Dec 66

Selection and Breeding of Tree Species in
Uzbekistan, by V. M. Rovskiy.
RUSSIAN, per, Trudy Institut Lesnoe, No 8, 1951,
pp 132-151.
*CFSTI TF 67-51304

Sci-Agri
Dec 66

Nitrogen and Mineral Cycles in Forests, by
N. P. Remezov and L. N. Bykova, et al.
RUSSIAN, per, Trudy Instituta Lesa, Akademiya
Nauk SSSR, Vol XXIV, 1955, pp 167-194.
CFSTI TT 66-51125

Sci-B&M
Jan 67

316,663

Wood Swelling, by P. N. Odintsov, 11 pp.
RUSSIAN, per, Trudy Ak Nauk Latvinskoi SSR Inst Lesokhoz,
Vol XII, 1957, pp ~~456~~ 45-56.

OTS 63-11024
PL-480

Sci - Biol & Med Sci
Mar 64

250,900

Density of Pine Plantations and its Biological and Silvicultural Significance,
by V. N. Ovsyankin, Yu. N. Savich.
RUSSIAN, per, Trudy Inst Lesokhoz Problem,
No 11, 1956, pp 121-162.
CFSTI TT 65-50041

Sci - Agri
Jun 66

302,336

Odintsov, P. N.

SWEELLING OF LIGNIN (Nabukhante Lignina). [1961]
[34]p. (foreign text included) 14 refs.
Order from OTS or SLA \$3.60

61-20833

Trans. of Akad[emiya] Nauk Latv[iskol] SSR [Riga].
Inst[itut] Lesokhoz[yaistvennykh] Probleml. Trudy, 1959,
v. 17, p. 3-14.

DESCRIPTORS: *Lignin, *Wood, *Hydrolysis, Mechan-
ical properties, Water, Organic solvents, Solvent
action, Sulfuric acid, Carbohydrates, Chemical
reactions.

(Materials-Wood, TT, v. 9, no. 2)

61-20833

I. Odintsov, P. N.

Office of Technical Services

Parametric Method of Integrating the
Laminar Boundary Layer Equations, by
L. G. Loitsyanskiy, 11 pp.
RUSSIAN, per, Trudy Inst Leningrad
Polytech, No 248, 1965, pp 45-55.
CIA/FDD X-5795

Sci - Phys
Feb 66
FOR OFFICIAL USE ONLY

294,754

61-16756

Pinsker, I. Sh.

THE REPRESENTATION OF THE FUNCTIONS OF
MANY VARIABLES, BY MEANS OF ADDERS,
MULTIPLIERS, AND SIMPLEST FUNCTIONAL
DEVICES. [1961] [22]p. 5 refs.

Order from OTS or SLA \$2.60

61-16756

Trans. of [Akademiya Nauk SSSR]. In[stitut]
Mashinovedeniya. Trudy, 1955 [v. 15?] no. 8,
p. 35-51.

DESCRIPTORS: *Functions, Numerical analysis,
Curve fitting, Errors, Analog computers, Digital
computers, Computers, Scheduling.

The author is motivated by problems of function gen-
eration by mechanical or electronic analog. The sec-
tion on quadratic interpolation of a function of many
variables should be of interest to those faced with
problems of function generation. Two numerical ex-
amples are presented. (Translator)

I. Pinsker, I. Sh.

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

Office of Technical Services

Certain Questions of the Structure and Classification
of Pneumatic Apparatus, by E. M. V. Gerts, 13 pp.

RUSSIAN, per, Trudy Ak Nauk SSSR Inst Mash, Vol XVI,
No 63, 1956, pp 5-16.

Morris D. Friedman
G-143

Sci - Engr
OTS I, 9
Jun 59

89,540

61-13088

Korobochkin, B. L.
THE COEFFICIENT OF EFFICIENCY AND POWER
CONSUMPTION IN THE HYDRAULIC FOLLOWER
SYSTEMS OF COPYING DEVICES (O Koeffitsiente
Poleznogo Deystviya i Raskhode Moshchnosti v
Gidravlicheskikh Sledyashchikh Sistemakh Kopirol'-
nykh Ustroystv). Mar 60, 17p. (8 figs. omitted)
4 refs. M1756.
Order from LC or SLA ml\$2.40, ph\$3.30 61-13088

Trans. of [Akademiya Nauk SSSR] Inst[itut]
Mash[inovedeniya]. Trudy, 1959, v. 19, no. 75,
p. 16-30.

The principal relations are expounded for determining
the power consumption in hydraulic follower systems
depending on their mode of operation. A comparison
of power consumption in different systems shows that,
from the point of view of power consumption, the most
profitable systems are those with a non-differential
cylinder. (Author)
(Machinery, Fabrications and Accessory Equipment,
TT, v. 5, no. 7)

1. Hydraulic systems--
Performance
 2. Title: Copying devices
 3. Title: Follower
- I. Korobochkin, B. L.
II. DSIR LLU M. 1756

148,698

Office of Technical Services

Distribution of Stresses and Strains in Plane
Notched Rods in Connection with Volumetricity of
Stressed State, by V. S. Zhukovskiy, UNCL

Incl. AK Mark
RUSSIAN, per, ~~in~~ SSSR, Institut Mashinovedeniya Prob
Prochnosti v Mashinostroyeni, No 2, Moscow, 1959,
pp 54-71.

*ATIC MCL-610/III

Sci - *Engineering*
Apr 60
DC-4 Wire

Vibration Proofing of Dynamically Unbalanced
Machines Mounted on Elastic Beams, by L. I.
Shteinvol'f.

RUSSIAN, Trudy Instituta Mashinovedeniia, Seminar
po Teorii Mashin i.

✓ 1604
Navy Tr 1490/BuShips 633

Sci - Engr

48,259

Jun 57

(DC-6618)

Basic Problems in Modern Machine Dynamics,
by N. I. Artobolevskiy, 52 pp.

RUSSIAN, from *Sbornik po Teorii Mash i*
Mash Study Inst Mashinovedeniya Ak Nauk
SSSR, Vol XXI, No 2 83, 1961, pp 5-23.

JFIS 13393

Sci - Engg
pp 52

190, 986

Representation of Function of Many Variable by
Using Adders, Multipliers and the Simplest Funda-
mental Apparatus, by I. S. Pinsker, 17 pp.

RUSSIAN, per, Trudy Inst ⁴⁴Maskin Seminar po Tochnoe
Vol VIII, pp 35-51. (1955)

Morris D. Friedman
P-130 \$8.50

Sci -
Feb 58

71,926

Stability in Self-Balancing Bridges, by V. V. Anokhina,
V. I. Sergeyev, 14 pp.
RUSSIAN, per, Trudy Inst Mashinovedeniya, Seminar
po Technosti v Mash i Pribor, No 17, 1963, pp 3-11.
9695644
FTD-TT-64-412

Sci - Engr
Jan 65

270,455

Optimization of One Scheme for Detecting Faults, by
Yu. V. Lyubotov, 12 pp.
RUSSIAN, per, Trudy Inst Mashin, Seminar po Tochnosti
v Mash i Pribor, No 17, 1963, pp 89-97. 9695644
FTD-TT-64-412

Sci - Engr
Jan 65

270,456

Results of AzNII NP Operation in the Field of
Synthesizing, Studying and Application of Admixtures
to Lubricating Oils, by A. M. Kuliyeu, 12 pp.
RUSSIAN, per, Trudy Inst Mashin Tret'yev Vses Konf
po Treniyu i Iznosu v Mash, Ak Nauk SSSR, Vol III,
M1960, pp 366-373. 9696051
FTD-TT-64-860

Sci - Fuels & Prop
Feb 65

275,603

✓
(FDD 25111)

Therobaric Field of the Troposphere Above Moving Anticyclones, by V. A. Bugayev, O. N. Chernysheva, 7 pp.

RUSSIAN, irreg per, Trudy Instituta Matemat i Mekh Ak Nauk Uzbek SSR, No 12, Tashkent, 1953, pp 71-~~74~~ 75.

CIA/FDD U-8119

34,577

USSR

Sci - Geophysics, troposphere

Apr 56

The Finding of Optimal Controls, by
V. I. Arkin.
RUSSIAN, per, Trudy Inst Matemat imeni
V. A. Steklova, No 71, 1964, pp 21-25.
*FTD-HT-66-637

Sci - Math Sci
Oct 66