

Extraction Experiments on Chemically Drying
Coating Films, by R. Bult.

GERMAN, per, Farbe und Lack, Vol LXXIX, No 1
1963, pp 15-21.

GB/30/Pa
PVM131/A/202

Sci-ENCChem

Aug 63

341,993

1. The following information was obtained from a source who has provided reliable information in the past and is being furnished to you for your information. The source has provided information in the past which has been found to be reliable and is being furnished to you for your information.

2. The following information was obtained from a source who has provided reliable information in the past and is being furnished to you for your information.

3. The following information was obtained from a source who has provided reliable information in the past and is being furnished to you for your information.

4. The following information was obtained from a source who has provided reliable information in the past and is being furnished to you for your information.

81

Transformation of Coal Consumption
in the U.S. on the basis of a two
stage test, Materials and Production
Science III, IV, by G. Schramm,
D. Bultin.

See also, par. Arch. Libr., Vol 15, Aug.,
1964, pp 677-682.
*121 4030

D. Bultin

cl-7
ay 63

270,443

Pre-Determination of Coin Consumption in the b.f.
on the Basis of a Two-Stage Heat, Mass/Volume
Reduction Balance, Part I and II, by E. Schumann,
D. Bulter.
GERMANY, per, Archiv für Eisenhüttenwesen.
Vol XXXV, 1964, pp 475-486.
LISI 3949

p 89

Sci-Engr
Feb 65

274,557

The Relationship of Calorific, Material and
Reduction Balances of the Blast Furnace Under
Various Operating Conditions, by E. Schürmann,
D. Bultar.

GERMAN, rpt, Paper Presented at the Journées
Internationales de Siderurgie in Luxembourg,
Oct 1962, pp 89-112.

NIKI 3086

341,571

Sci - M/M

Fundamental Relations Between Gas Utilisation,
Consumption of Carbon and Heat Balance in the
Blast Furnace, by E. Schürmann, D. Balter.

GERMAN, per, Stahl und Eisen, Vol LXXXI,
23 Nov 1961, pp 1565-1574.

ISI 2679

204,776

Sci - Phys

Jul 62

list 139

Effect of Mineral Substances on the Relative
Volatility of Components in Liquid Mixtures,
by V. B. Aogun, S. F. Buluev, T. N. Safonov,
O. P. Makovets, 7 pp

RUSSIAN, per, Zhur Prikl Khim, Vol XXXII, No 11,
1959, pp 2409-2415

CB

132,185

Oct 60

Preparation of Fibrinolysis Activator in the
Extracorporeal Kidney, by K. ~~Muller~~
M. ~~Muller~~, 3 pp.

~~XX~~POLISH, Per, Acta Physiologica Polonica,
Vol XIV, No 24, 1963,

OS 63-11407/4
PL-430

Sci
Sci. 24

263,034

Devonian Tetracorals from the Vicinity of the
Kuznetsk Basin, by E. Z. Bulvankov,

USSR, per, Trudy Vsesoyuznogo Nauchno-Issledovaniya
Geol Inst VSEGEI, 1958.

Dept Interior
QB3 B57 No 25

Sci - Geophysics
May 61

148,896

Description of Genera, Excerpts From Rugose Corals
From Silurian of Podolia, by E. Z. Bulvanker.

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

Dept of Interior
QE3, E57, No 2

Sci - Geophysics
Oct 60

128,668

An Investigation of the Reaction of the
Formation of Cobalt and Nickel Ferrites,
by S. L. Bulyakova, Ya. I. Gerasimov, U. P.
Simanov and L. L. Klyachko-Turvich, 12 pp.

RUSSIAN, per. Zhur. Obsh. Khim., Vol. XVIII, 1948
pp 154-164.

CIA/TDO/Z-203

30,875

Scientific - Chemistry

Transformation of Retained Austenite At Sub-Zero
Temperatures With High-Alloy Steels, by A. Bul'nev.

RUSSIAN, per, Metallurg, Vol XIV, No. 3, 1939, pp 61-71

Brutcher Tr No 724

16,756

\$3.10

Scientific - Min/Metals

NY-5216

On Bringing the Communications Facilities to the
From the Practical Experience of the Mogilev
Office), by U. A. Bulybenko. 10 pp.

SIEMIAN, per, Vestnik Svyazi, No 2, 1955.

JPRS 7085

15-3, 726

Characteristics of Extruding Metal by High-
Pressure Liquid at Elevated Temperatures,
by V. I. Beresnev, D. K. Balychev,
K. P. Rodionov, 13 pp.

RUSSIAN, per, Fiz Metal i Metallurg, Vol XI,
No 1, 1961, pp 115-122. 967115A

FED NCL-1276/1

Sci - Min/Metal; Phys

171,440

23 Oct 61

THE EFFECT OF SOLA CONCENTRATIONS OF FLUORINE
ON THE GROWTH OF A. F. RUBIN, & V. D. DOLYCHEN,
6 PP.

RUSSIAN, PER, 000 : GOSTOZHNIK, NO 12, 1962,
PP 7-12.

JUN 1967

SCI-8102 & MED SCI
MAY 63

203,406

Structural Defects and Plastic Strain of Copper
at High Pressures, by D. K. Bulychev, B. I.
Borodnev, 5 pp.

Dokl. Ak. Nauk, per, Dok Ak Nauk Physics Sections,
Vol. 1971, No 1, May 1964, pp 67-68.

Amer Inst of Phys
Doklady Sov Phys
Vol IX, No 5

SCI
Jan 65

270,884

On the Changes in the Stability Region of Wustite
in the Phase Diagram of the System Fe-O at
Increased Pressure, by V. I. Arkharov, D. K.
Zul'chev, 4 pp.

RUSSIAN, per, Fiz Metal i Metally, Vol VI,
No 6, 1958, pp 1027-1030.

Pergamon Press

Sci

Jan 60

117,961

Report for the Study of the Physics of
Solids Under High Pressure, by S. L. Baranov,
A. E. Ginzburg, et al.
USSR Acad. Sci., *Soviet Physics Uspekhi*, Vol 10,
No 6, 1968, pp 1017-1018.
175 cbs

S. L. Baranov

104/ 111.11
May 68

270,477

28
Calculation of the Ethylene (H_2) Molecule in
the Two Centres Approximation, by V. P. Delyukov
and N. G. Yesslov.
RUSSIAN, per, ~~1963~~, ~~1963~~, Vol 3, No 1-2,
1963, pp 253-259.
ILL DTB 3610

Sci-Chem
Nov 67

V. P. Delyukov

345.336

(NY-4710)

The Fourth All-Union Scientific-Practical
Conference of Medical Institutes on Sports
Medicine, by V. V. Bulyshev, 9 pp.

RUSSIAN, per, Teoriya i Praktika Fizicheskoy
Kul'tury, Vol XIII, No 4, 1960, pp 316-318.

JPRS 3681

Sci - Misc

128,321

Oct 60

An Investigation Into the Texture and Anisotropy of
the Magnetostriction in Fe-Al and Fe-Cr Alloys,
by M. M. Borodkina, Z. N. Bulycheva, Ya. P.
Selisakiy, 9 pp.

RUSSIAN, per, Fiz Metal i Metallov, Vol IX, No 3,
1960, pp 390-399.

PP

Sci

Apr 61

149,595

A Semiconductor Vacuum Gage, by A. V. Bulyga,
A. G. Shashkov, 12, pp.

RUSSIAN, per, Inzh-Fiz Zhur, Vol VI, No 12,
1963.

JPRS 23730

Sci

Mar 64.

253806

Influence of Electrolyte Composition on the
Distribution of Current Inside a Graphite Anode and
on its Internal Wear, by B. M. Bulygin, 7 p.

RUSSIAN, per, Zhur Fizik Khim, Vol XXII, No 1,
1979, pp 121-127.

CS

Sci

Feb 60

106,979

Belitskiy, S. M., Pukhovich, S. M., and Kuznetsov, L. L.
ANODE SOLUTION OF MAGNESIUM IN OXIDIZING ELECTROLYTES [1945] [R] 7rds ..
 C. E. Trans. 2945
 Order from OTS, SLA, or ETC \$1.50 TT-43-2491

Trans. of [Leningrad] Vysshish Uchebnaya Zavedeniya
 Khimicheskaya Tekhnologiya (USSR)
 1942, v. 5 [no. 1] p. 125-128. (Abstract available)

DESCRIPTORS: Electrolytes, Oxidation, Magnesium compounds, Salts, Anodes, Electrochemistry.

Galvanic sources of electricity can function with a magnesium anode when the electrolyte is a solution of a pure oxidizing agent. In these circumstances, as a result of passivation of the surface by a protective oxide film, the consumption of the metal and evolution (Chemistry-Physical, TT, v. 11, no. 3) (over)

TT-43-2491

- I. Belitskiy, S. M.
- II. Pukhovich, S. M.
- III. Kuznetsov, L. L.
- IV. CE Trans-2945
- V. Central Electricity Generating Board (UK, UKA.)

Office of Technical Services

Chemical and Mechanical Destruction of Graphite
Anodes under Various conditions of Hydroxyl Ion
(Water) Discharge, By B. M. Balygin, 5 pp.

RUSSIAN, per. Zhur Prikl Khim, Vol XXII, No 12,
1958, pp 1832-1836.

Consultants Bureau

Doc

Doc 59

104,157

Shaking Conditioned Reflexes From the
Bladder Interceptors After Transection
and Partial Removal of the Spinal Cord,
by I. A. Balygin, N. A. Iakinovich,
3 pp.

RUSSIAN, per, Zhur Vysheh Nerv Deyatel
Issled I. P. Pavlova, Vol 1, No 1, 1960,
pp 130-137.

FP

198,506

Sci

Feb 62

True sympathetic reflexes, by I.A. Butygin, L.I.
Belorybkina, M.P. Kul'vanovskiy, 9 pp.

RUSSIAN, per Fiziol Zhur SSSR imeni I.M. Sechenova,
Vol XLVII, No 3, 1961.

PP

200,726

Sci
Apr 62

Ganglionic Mediation of Viscero-Visceral Reflexes,
by I. A. Bulygin, E. I. Balakhinina, 8 pp.

RUSSIAN, per, Fiz Zhur SSSR imeni I. M. Sechenova,
Vol XLVII, No 9, 1961.

Elsevier Pub Co

Sci

Oct 62

216,575

Receptor Function of the Inferior Mesenteric
Sympathetic Ganglion, by I. A. Belygin, L. I.
Beloskykin, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIX, No 1,
1978, pp 196-199.

Amer Inst of Biol Sci

Sci - Med

96,177

Analysis of the Afferent Paths for Introsceptive
Reflexes From the Pelvic Organs, by I. A. Bulygin,
K. P. Zorina-Taikina, M. P. Kul'vanovskii, 8 pp.

RUSSIAN, per, Vis Zhur SSSR in I. M. Sechenov,
Vol XLV, No 1, 1959, pp 7-15.

Perzhamov Inst

Sci - Med

Jul 59

91,754

(YDD 21359)

Effect of Changes in the Functional Condition of the
Cortex of Large Hemispheres Produced by Chloral
Hydrate Upon the Unconditioned Interoceptor Re-
flexes in the Stomach, by I. A., Balygin, 9 pp.

RUSSIAN, thrice-a-week per, Dok Ak Nauk SSSR, Nov 1952
Ser, Vol LXXXV, No 6, Moscow, Aug 1952, pp 1415-1418.

Interceptive Conditional Reflexes From the Bladder
Following Removal of the Thoracic Cord, by
I. A. Bulygin, Z. D. Shehannikova, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIV, No 5,
1957, pp 1120-1123.

Amer Inst of Biol Sci

Sci - Biology

Aug 58

100-288

RECEIVED FOR INFORMATION PURPOSES AT WASHINGTON
ON 10 SEP 63 BY MR. A. BARNETT, U.S. DEPT. OF
STATE, 7 PM

URGENT, 10 SEP 63, 10:00 AM, 10 SEP 63, PD 1,
1963, PP 17-18

200 1004

SC-1 - NEW & NEW

APR 63

200, 100

**Organization of Communication Service for
Production Administrations, by I. V. Balygin,
4 pp.**

RUSSIAN, per, Vestnik Svyazi, No 8, 1962.

JPRS 16061

Sci

Nov 62

217,263

(NY-7004)

A fascinating and useful book for the communication
workers of Popular Fronts, by I. V. Smirnov,
4 pp.

USSR, Jan. Yevenskoye, No 3, 1942.

JPRS 13-94

201

201

13-94

Active Phases and Equilibrium in the AB $\rightleftharpoons$ A solid +
vapour Sy. tem, by P. T. Danil'chenko,
E. I. Kolesnikova, L. A. Bulygin, 5 pp.

RUSSIAN, per, Zhur Georg Khim, Vol V, No 10, 1960,
pp 2333-2341.

Cleaver-Burns Press

169,870

Sci

Sep 61

~~Section~~ The Nature and Composition of the Product
Reaction between Sodium Silicate and Alum
Salts, by L. A. Balygin, 4 pp.

RUSSIAN, per, Izv. Akad. Nauk, No 3, 15
pp 684-691.

~~Chemical Abstracts~~

Cleaver-Rose Pr

Sci

Oct 60

13011

Abdominal Organs as a Preparation for Investigation
of Peripheral Reflexes, by I. A. Bulygin, M. P.
Kulpanovskiy, 3 pp.

RUSSIAN, per, Fiziol Zhur SSSR imeni I. M. Sechenova,
Vol XLVII, No 6, 1961.

Elsevier Pub Co

Sci

Oct 62

213,950

Treatment of Closed Diaphyseal Fractures of
the Femur by Intramedullary Fixation with a
Metal Rod under Field Hospital Conditions.
by I. K. Polygin, V. H. Ellin, V. P. Verbitskiy

RUSSIAN, no par, Voenno Med Zhur, no 12.
MOSCOW, Dec 1967, pp 97-99

US JPRS/MT 355

Set - Med

61,426

... the long-time strength ...
observed on stationary and portable machines, by
I. I. Belyrin, P. I. Vlasova, V. P. Prokof'ev, et al.

... per, Izvoda Let, Vol XVII, No 1, 1961,
pp. 24-28

ISJ

198,347

...
...

GE-1

11 777

OLYGIN L. P., TRUSOVA E. F.

The influence of boron on long-term resistance and fracture characteristics of alloys of type EI 437

Der Einfluss von Bor auf die Dauerfestigkeit und den Bruchcharakter von Legierungen vom Typ EI 437

Metalloved. i Term. Obrab. Metallkov., No. 11, 10-14 (1956)
German

NY-3086

COMPLETING THE EXTENSION OF RADIO NETWORKS
TO TWENTY RAYONS OF THE KIEV OBLAST, BY
I. V. DULYBIN, M. A. MARULIS, 3 PP.

RUSSIAN, PER, VESTNIK SVYAZI, NO 3, 1957.

JPRS 7089

SCI

173,163

NOV 61

Organization of Communication Service in the
Consolidated Rayons of Kievskaya Oblast, by
I. V. Polygin, 5 pp.

RUSSIAN, per, Vest Svyazi, No 11, 1963, pp 21

JPRS 22911

Sci

Jan 64

249,237

(NY-5222)

Utilizing Reserves for Raising Labor Productivity
and Improving the Quality of Communications Work,
by I. V. Bulygin, 5 pp.

RUSSIAN, per, Vestnik Svyazi, No 8, 1955.

JPRS 7091

Sci

165,914

Sep 61

High-Power Radio Center of Kiev, by I. V. Buligin,
12 pp. UNCLASSIFIED

RUSSIAN, per, Vest Svyazi-Elektrosvyaz, No 3 (84),
1947.

AMS P-TB-7029-RE

Efforts to Achieve Competent Technical Operation of
Radio Broadcasting Network, by I. V. Bulynin.
UNCLASSIFIED

Full translation.

MOSCOW, per, Yestokh Sviyazi, No 4, 1948, pp 3-4.

SICIA No 1707-13

Identification of Acer pseudoplatanus in Leningrad.
by N. S. Polygin.

RUSSIAN, per, Botanicheskii Zhurnal, Moskva.

Vol 49, No 3, 1964, pp 512-517.

W111 77 (8-50796/7)

Sci/14
Feb 68

The Fructification of Manchurian Maple (*Acer
mandschuricum*) in Leningrad, by N. Ye. Dulygin.
RUSSIAN, for, Botanicheskiy Zhurnal, Vol 49,
No 3, 1964, pp 412-417.
CZVTI TT 60-50396

sci/ b an d
sect 69

389,834

Belyga, P. M.
DEVICE FOR ASSEMBLING ASBESTOS-CEMENT
PIPES (Prisposobleniye dlya sklejki Asbestotsement-
nykh Trub) [1961] [SV] [USSR L.L.U.] M 2985.
Order from CPS or SLA \$1.10 61-21347

Trata de Voknopolazheniye i Sostavnye Tekhnika
(USSR) 1959, no. 12, p. 11

DESCRIPTION: *Pipes, *Asbestos fiber, *Cement,
*Jacks (Mechanics)

61-21347

I. Belyga, P. M.
II. USSR L.L.U. M 2985

On Calculation of Mean-Square Errors
By V. S. Bulygin, 7 pp.

RUSSIAN, per, Avtomat i Telemekh, Vol XXIII, No 11,
1962, pp. 1553 - 1559

ISA

Sci

Aug 63

342,446

Belyaev, V. Ye.
THE DETERMINATION OF WATER SATURATION
AND OIL RECOVERY OF RESERVOIRS. (1963) 7p.
Order from ATS \$10.00
ATS-67N58R

Trans. of Inst. (Iz) Vysishkh Uchebnykh Zavedeni.
Nef' i Gaz (USSR) 1961, v. 4, no. 8, p. 75-81.

DESCRIPTORS: Dams, Oils, Recovery, Water.

(Earth Sciences--Geology, TT, v. 8, no. 7)

62-17150

I. Belyaev, V. Ye.
II. ATS-67N58R
III. Associated Technical
Services, Inc., East
Orange, N. J.

ATS-67-3453

Office of Technical Services

Estimate of Permeability and Elastic Capacity of
Oil-Bearing Formations From Production Data, by
V. Yu. Buligin, 5 pp.

RUSSIAN, Sov. Pet. Eng. Vol XXIV, No 7, 1957,
pp 35-38.

ATO 681318

RTS-RJ-1824

Sci
Dec 59
Vol 2, No 2

103,811

Location of Vegetative Ganglia, by Y. A.
Poluygin, L. I. Belorukhina, 10 pp.

RUSSIAN Rev. Fiziol Zhur SSSR, imeni I. M. Sechenova,
Vol XLV, No 12, 1959, pp 1413-1421.

Pergamon Press

101

119,564

Jan 60

On the Problem of A Wing of a Given Volume With
Minimum Wave Drag, by E. B. Dulygina, 5 pp.

MOSELIAN, per, Prikl Matemat i Mekh, Vol XXII,
No 6, 1958, pp 826-828.

FF

301-

Nov 59

101, 368

This Profile Ring With Minimum Mean Coefficient
of Heat Transfer for a Given Lift, by
E. V. Dulygina, et al.

RUSSIAN per, Is Vyssh ucheb zaved, Aviat Tekh,
No 2, 1961, pp 17-25.

RAND CORP RM-3410-FR

Sci-Paps
Jan 63

219,913

Supersonic Wings of Minimum Drag Having a
Given Static Margin, by E. V. Bulygina.

RUSSIAN, per, Izv VUZ Aviat Tekh, No 1,
1959, pp 3-9.

RAE 912

Sci - Phys

167, 486

Sep 61

Hypersonic Flying Vehicle With Self-Balancing Control,
by Ye. V. Bilygina, L. T. Yakubo, 10 pp.

RUSSIAN, per, in Vysokikh Ucheb Zavod, Seriya Aviatz
Tekh, No 3, 1963, pp 3-10.

JPRS 22703

Sci
Jan 63

246,755

A Minimum-Point Self-Balancing Profile, by Ye.V.
Bulygin, 8pp

RUSSIAN, per, Iz Vyschikh Ucheb Zaved MFTSSO SSSR.
Seriya Aviatso Tekh, No 2, 1963, pp 118-123.

JPRS 22668

Sci

Jan 64

The Self-Balancing of Supersonic Wings With
Variable Dihedral of the Leading Edge, by
Ye. V. Bulygina, 10 pp.

RUSSIAN, per, Is Vysshikh Ucheb Zaved, Aviat
Tekh, No 4, 1960, pp 10-17. 9673562

FED-TR-61-189

Sci - Aero

186,239

2 Mar 62

40
Parasites of Sand Lolo of Uzbekistan, with Des-
cription of a new Genus of Filaria and of Age-
associated and Seasonal Changes in the Delin-
quency of the Large Sand Lolo, by M.A. Bulyginskaya.
Moscow, per. Trudy Akad Nauk SSSR, Zoologicheskii
Izv., Vol. 5, 1950, pp. 54-58.
Jan. 11, 1950-50

M. A. Bulyginskaya

201/101
102 10

310,103

Pulsed Method of Measuring the Energy Distribution
of Particles Escaping From Plasma, by D. G.
Bulygin'skiy, et al.

RUSSIAN, Conference on Plasma Physics and
Controlled Nuclear Fusion Research, Salzburg,
Sep 4-9, 1961, IAEA-CN-240.

*AEC

Sci
Jan 62

XXXXXXXX

Non-Uniformity of the Work Function of Oxide-Coated
Cathode, by D. G. Bulyginakiy, 5 pp.

RUSSIAN, no per, Iz Ak Nauk SSSR, Ser Fiz, Vol XI,
No 10, Oct 1956, pp ~~544-549~~ 1079-1084.

Columbia Tech

Sci - Physics

56,477

Dec 57

The Coefficient (1- β) in the Equation for Thermionic
Emission, by D. G. Bulyginakiy, 7 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXVIII, No 4,
1958, pp 732-739.

Amer Inst of Phys
Sov Phys - Tech Phys
Vol III, No 4

Sci - Phys, Electron
Jan 59

78,692

Angular Correlation of Short-Flight Alpha-
Particles and Gamma-Quanta, by L. A. Kul'chitskiy,
G. D. Latyshev, D. G. Belyanskiy.

RUSSIAN, bino por, Iz Ak Nauk SSSR, Ser Fiz,
Vol XLII, No 3, 1949, 8 pp.

Sci Mus Lib 50/2479

Scientific - Physics

17,016

Electron Temperature in Oxide Cathodes, by D. G.
Bulyginakiy, D. M. Dobretsov, 7 pp.

RUSSIAN, no per, Izur Tekh Fiz, USSR, Vol XXVI,
No 5, 1956, pp 377-98.

American Inst of Physics
Vol I, No 5, Soviet Physics
Technical Physics

Sci - Physics
Jun 57

48,359

Investigation of the Surface Work-Function Distribution for Oxide Cathodes, by D. G. Bulyginiski, L. M. Dobretsov, 8 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXVI, No 6, Jun 1956, pp 1141-1149.

Amer Inst of Phys
Soviet Phys, Tech Phys
Vol I. No 6

Sci - Phys
Jul 57

49,723

Study of the Oxidation Products of Resin Acids, by
M. M. Pavlyuchenko, V. M. Akulovich, N. N. Dulygo,
4 pp.

RUSSIAN, no per, Zhur Obshch Khim, vol XXV, No 5,
1955, pp 914-918.

Consultants Bureau

Scientific - Chemistry

41,365-

Ships at Sea and Employment of Weapons in Stormy
Weather, by P. P. Bulygin, 15 pp. UNCLASSIFIED

RUSSIAN, Captured Doc #70, Seventh Fleet, Intelligence
Section.

Navy Tr 886/ONI-A 524-1

USGR
Military
CTS/DEX

7228

127-101/11
on conversion of Mining Enterprises to
United Mining, Pay and New Mine Schedule.
Dobrynskiy Volynskiy Combine, by G. P. Dobrynskiy,
M. A. Bulynko, 4 pp.

127-101/11, Dobrynskiy, No 1, 1960, 20-210.

SPAS 5775

CRP

127-101/11

let by

Extrusion of Cast Iron by Hydrostatic Pressure,
by D. K. Bulyahev, ~~XXXXXXXXXXXX~~ B. Borunov.

RUSSIAN, per, Fiz Met i Metalloved, Vol XIII,
No 6, 1962, pp 942-944.

HB 5713

Sci-Min/Met
Jan 63

220,000

TT-65-63000

Field 200, 145

Bulyaev, E. M.; Droschev, R. Ya.
HIGH-TEMPERATURE TESTING DEVICE FOR DE-
TERMINING THE DEFORMATION OF HEAT-RESISTANT
MATERIALS AND THEIR TEMPERATURE. 13 Aug 63.
Sp. FTD-TT-65-630, AD-620 040.
Order from CPSTI, SIA, OF ETC: NC91,00, MF90,50
as AD-620 040

Un-dated rough draft trans. of Patent (USSR) 165 642.
Patent appl. no. 833061/20-4, 20 Apr 63, 1p.

1. Foreign Technology Div.,
Wright-Patterson AFB,
Ohio

Bumba, V.

RESULTS OF AN INVESTIGATION OF THE MAGNETIC FIELD OF SINGLE SUNSPOTS (Rezultaty issledovaniya Magnitnogo Polya Odnochnykh Solnechnykh Pyston) May 61 [54] p. 40 refs. RTS 1773
Order from OTS or SLA \$5.00 61-23144

Trans. of [Akademiya Nauk SSSR] "Krymskaya Astrofizicheskaya Observatoriya" (Trudy), 1960, v. 23, p. 212-252

DESCRIPTION: Sunspots. Magnetic fields. Photographic analysis.

Photographic and photoelectric (with magnetograph) methods were used. The variation of the field strength (H) with distance (r) from the centre of the spot is well represented in the penumbra by the formula $H = a/r^2$, where a is the magnetic moment. The field also varies with the spot diameter, from about 10^{-1} to 10^{-3} cm for the spots studied. $H_{max} = 0.5 \times 10^4$ Gauss; $H_{min} = 0.1 \times 10^4$ Gauss, where (Astronomicheskaya Fizika, TT, v. 6, no. 6) (over)

61-23144

- I. Bumba, V.
- II. RTS-1773
- III. Department of Scientific and Industrial Research (Gr. Brit.)

Office of Technical Services

Bambal, V.
RESULTS OF THE STUDY OF THE EVERMID
EFFECT IN SINGLE SUNSPOTS (Rezultaty
Issledovaniya Eternogo Evershida v Odnoboykh
Solnechnykh Pityakh) June 61 [4]p. 24 refs.

RTS 1774

Order from OLS or SLA \$3.00

61-29643

Trudy of [Akademiya Nauk SSSR] Krymskaya
 Astronomicheskaya Observatoriya, Izvestiya, 1960,
 v. 23, p. 253-256.

DESCRIPTIONS: *Sunspots. Spectrographic analysis.

As a result of the Evermid effect the line in a whole is
 notched (notched) by a strong asymmetry, and therefore
 the center of gravity of the line is displaced. The
 asymmetrical line is termed by "flag" at the maximum of
 the Evermid effect, it becomes a sharp separate
 weak line. The distance of the latter from
 the center of the notched line can exceed 5 km/sec.
 (Astronomicheskaya Astrofizika, IT, v. 6, no. 5) (over)

61-29643

- I. Bambal, V.
- II. RTS-1774
- III. Department of Scientific
and Industrial Research
(G.I. B.I.)

Office of Technical Services

Bumba, V.
**THE CONNECTION BETWEEN THE MAGNETIC
 FIELD AND MOTION IN SINGLE SUNSPOTS** (Soyuz
 Mezhu Magnitnym Polem i Dvizheniyem v Odnachnykh
 Solnechnykh Pityakh). Apr 61 [17]p. 4 refs. RTS 1775.
 Order from OTS or SLA \$1.60 61-19674

Trans. of Akademiya Nauk SSSR. Krymskaya
 Astrofizicheskaya Observatoriya. Izvestiya. 1960.
 v. 21, p. 277-290.

DESCRIPTION: *Sunspots. *Magnetic fields. Motion

Results of previous observations on the strength and
 configuration of the magnetic field in single spots and
 the variations of the magnetic field with altitude above
 these spots (Akad. Nauk SSSR. Krymskaya Astrofiz.
 Observatoriya Izvestiya 21: 212-232, 1960, available in
 translation from OTS or SLA for \$1.60 as 61-23144) and
 on the effect of individual spots (ibid. 233-270)
 available in translation from OTS or SLA for \$1.60 as
 (Astronomy and Astrophysics, TT, v. 6, no. 3) (over)

61-19674

- I Bumba, V.
- II RTS-1775
- III Department of Scientific
 and Industrial Research
 (Oz. Brit.)

Office of Technical Services

Results of the Study of the Evershed Effect in
Single Sunspots, by V. Lushba.

Journal, Ser. in Kiyuskoj Astrofiz. Observatori.,
Vol. VIII, 1960, pp 253-276.

REC'D 17/6

180,060

Jan. 1961

62-32232

Bunba, V.
THE RELATIONSHIP BETWEEN CHROMOSPHERIC
FLARES AND MAGNETIC FIELDS OF SUNSPOT
GROUPS (Soyuz Khromosfernykh Vypyshek i Magnitnykh
Polymni Grupp Solnechnykh Pntov) tr. by Lorna L.
Coppinger. Jan 59 [14]p. 19 refs. AmMetSoc-T-R-172
Order from OES or SLA \$1.60 62-32232

Trans. of Akademiyi Nauk SSSR. Krymskaya
Astronicheskaya Observatoriya. Izvestiya, 1958, v. 19,
p. 105-114.

DESCRIPTORS: Solar atmosphere, Solar disturbances,
Solar flares, Magnetic fields, Polarization, Sun-
spots, Astronomical data.

From a comparison of the positions of 69 flares and the
brightening of fluxes in 10 spot groups with the distri-
bution of the magnetic polarity of the groups, it follows
(Astronomy--Astrophysics. IT, v. 9, no. 7) (over)

- I. Bunba, V.
- II. AmMetSoc-T-R-172
- III. American Meteorological
Society, Boston, Mass.
- IV. Contract AF 19(604)1936

62-32232

Office of Technical Services

The Relationship Between Chromospheric
Flares and Magnetic Fields of Sunspot
Groups, by V. Bumba, 12 pp.

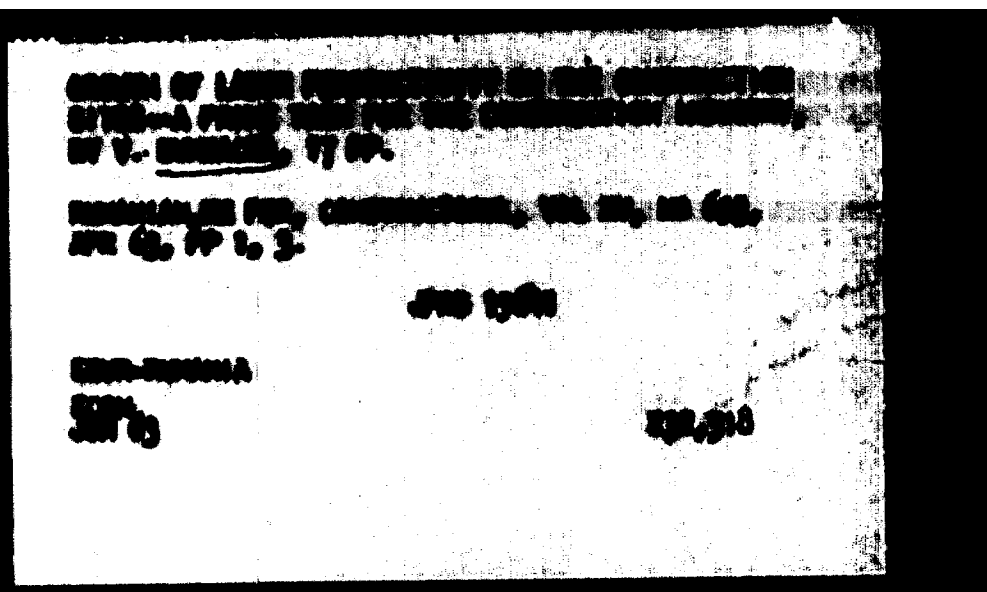
RUSSIAN, par, in Kiyevsky Astrofiz. Observ.,
Vol. XII, 1958 pp 105-114.

Amer Meteorol Soc
AF Cambridge Res Center

Sci - Astron

Jan 60

106,279



DATA ON: REQUIREMENTS AND PRESENT POTENTIAL
FOR RESIDENTIAL CONSTRUCTION, BY V. BUMBACEA,
5 PP.

RUMANIAN, NP, CONSTRUCTORUL, VOL XIV, NO 662,
15 SEP 1962, PP L AND 3.

JPRS 15977

EEUR-RUMANIA
ECON
NOV 62

215,172

172-16011

Investigation of Modification of the D-35 M Motors
for use Aboard Ships, by Costica Alexandru,
~~Savaria, Romania~~ Stefan Ionescu, 10 pp.

ROMANIA, per, Metalurgie si Constructia de Masini,
Vol XII, No 10, Nov 1960, pp 871-877.

JPRS 3948

EPR - Romania

Zcom

Aug 61

163,655

(2404-N)

Organization of Forest Areas, by Gh. Bumbu, 8 pp.

ROMANIAN, par, Revista Padurilor, Vol. XXXIII,
No 8, Bucharest, 1978, pp 452-455.

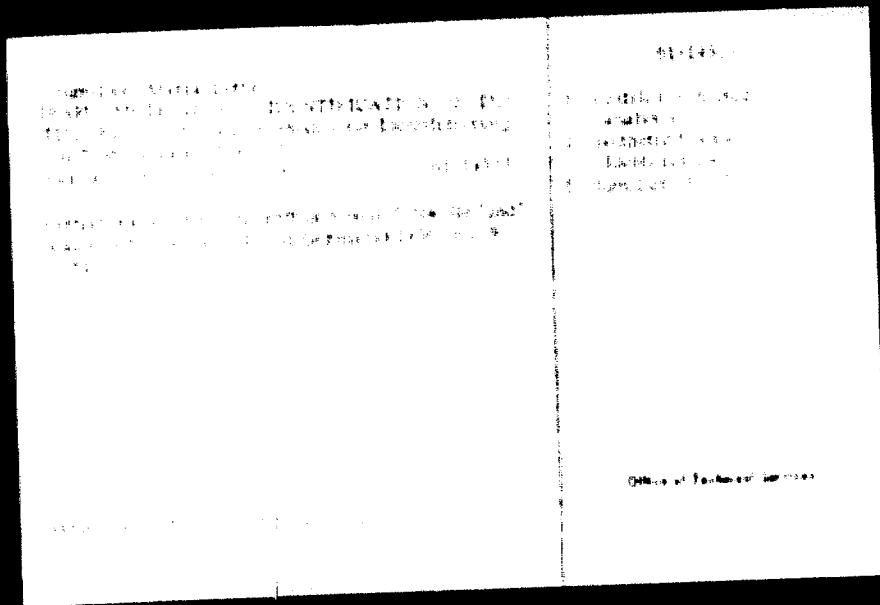
JPRS 1477-N

EUR - Romania

Econ - Agriculture, Forestry and Fishing

May 59

86,415



54
Handbook of Neurology - Vol 6: Agnosias and
Apraxias, by O. Bunka,
Grunwald, bk, Handbuch der Neurologie - Agnosien
und Apraxien, Vol 6, 1956, pp 801-960.

WASH-DC-6/61
ID 2204002469

O. Bunka

Sci-344
Nov 69

Anomalous Magnetic Properties of Hardenable Alloys, 1
H. ~~Bauer~~, 13 pp.

GERMAN, per, Z Elektrochem, Vol XLV, No 9, Sep 1937,
pp 671-674.

SLA 57-1123

Sci - ~~Engineering~~ Minerals/Metals
Feb 58

58.540

The Relationship of Precipitation Processes to the
Magnetic Hardness of Permanent Magnet Alloys of the
Systems Iron-Nickel-Aluminium and Iron-Nickel-Copper
by H. Damm, H. Muller, 21 pp.

GERMAN, per, Wiss Veroffentl an Siemens Werken, Vol
CVII, No 4, 1930, pp 63-73.

SLA 57-1072

Sci - Min/Met

Feb 58

58, 458

Brazing in Vacuum, by P. Bernhard, H. Dunn,
12 pp.

GERMAN, for, Vacuum-Tech, Vol. VII, 1958,
pp 153-158.

ASC DOKL-T/CA-112

Sci - Engr

Oct 59

99,546

111
Metallurgical Problems in the Development of
Advanced Fuel Elements, by H. Bann, G. Ingelhardt,
et al., 22 pp.
GERMAN, FOR, Zeitschrift Metallkunde, 9228144,
Vol. 54, 1964, pp 494-501.
AEC Subject-435

131,699

Sci-7
Sci-Branch of Propulsion
Nov 65

14 Bann

Electrical Conductivity and Phase Equilibrium
Diagram in Binary Alloys, by G. Grube,
H.v. Zeppelin, ~~XXXXXX~~ H. Dunn, 11 pp.

GRUBER, per, ~~J. Elektrochem.~~ Vol XL, No 3,
1954, pp 160-164.

S.L.A.

Scientific - Chemistry
CTB 70/Jul 55

25,188