

Gravimetric Work in the Pamir, by B. I. Ochakovskiy.
RUSSIAN, par, as Nauch SSSR. Tadzhikskaya Kompleksnaya
Ekspeditsiya 1932, Vol I, 1932, pp 384-389.

ACIC

Sci - Geophys

Jun 62

202,170

REQ TR CHECK

3-5-8

TEL3

OBTAINING A PLAIN COMPRESSION WAVE DURING
ELECTRICAL DISCHARGE IN WATER
LYUBIMOVA, M.A.
UR-AN SSSR TSENTR. N.-I. LAB. ELEKTR.
OBRABOTKI METALLOV. 1963, pp 69-72

*Process in as**M. 72-24-193**RG 15 May 72*

Tetraonchoiles - New Genus of Monogenetic
Trematodes, by B. E. Bykhovskiy.

RUSSIAN, 1st, Sbornik, Zool Inst, Parazitologicheskii,
Al. Mark 3308, Vol XIII, 1951.

*Virginia Inst of Marine
Sciences, Gloucester Point,
Virginia

Se
S. E. G.

Whiteflies (Homoptera, Aleyrodidae)
of the Leningrad Area, by E.M. Dantsig,
10 pp.
RUSSIAN, per, Akademiya Nauk SSSR, Trudy
Zoologicheskogo Instituta, vol 31, 1962
pp. 13-21.
CPSTI TT 69-55078

Sci/b&m
May 70

New and Little-Known Psyllids From
Kazakhstan. Notes on the System and Class-
ification of Psylloidea (Homoptera), by
M.M. Loginova, 64pp.
RUSSIAN, per. Akademiya Nauk SSSR. Trudy
Zoologicheskogo Instituta, vol 34, 1964
pp. 52-112.
CPSTI TT 69-55078

Sci/b&m
May 70

Suborder Aleyrodinea - Whiteflies, by
E.M. Dantsig, 9 pp.
RUSSIAN, per, Akademiya Nauk SSSR, Trudy
Zoologicheskii Institut. Part I, no 84
1964, pp. 482-489.
CFSTI TT 69-55078

Sci/b&m
May 70

The Use of Oxygen in Non-Ferrous Metallurgy,
by N. P. Diyar.

RUSSIAN, per, Akademii Nauk SSSR, Ural'skiy
Filial, Institut Metallurgiy, No 2, 1958,
pp 149-168.

Primary Sources
CR-2702

Sci

Feb 63

422,513

Improvement of Long-Time Research Studies
on Solid State Diffusion Problems, By
V. I. Arkharov, 27 pp.
RUSSIAN, per, Akad. Nauk. SSSR, Ural.
Fil. Inst. Fiz. Met, Trudy, No. 12, 1949
pp. 94-120
*CFSTI TT 70-57079

Sci/phys
Jan 70

Concerning the Effect of Small Additions
of Sulfur and Be on the Zinc Diffusion
Coefficient in Brass, by S. A. Nemmonov,
14 pp.
RUSSIAN, per, Akad. Nauk. SSSR, Ural.
Fiz. Inst. Fiz. Mat. Trudy. No. 11,
1950, pp. 90-103.
*CFSTI Tr 70-57080

Sci/phys
Jan 70

On the Question of Small Additions on
the Decomposition Process of Supersat-
urated Solid Solutions, by V.I. Arkharov
et al. 10 pp.
RUSSIAN, per, Akad. Nauk SSSR, Ural. Fil.,
Inst. Fiz. Met., Trudy, No. 11, 1950,
pp. 104-113
*CFSTI TT 70-57078

Sci/phys
Jan 70

About Certain Approximated Solutions of Gas
Dynamic Equations, by I. A. Klimishin, 6 pp.
RUSSIAN, per, AMESER. Voprasy Kosmonavti,
Vol 10, 1964, pp 146-152.
F100133068-V
FTD-HT-23-514-67

Sci-Physics
July 68

360,724

Study of the Structure of Sodium-Zirconium-
Silicate Glasses by Infrared Spectroscopy.
by G. N. Ruznetsova.
RUSSIAN, rpt. Akad. Nauk. SSSR. Vses. Khim. Ob-
shchestvo in Chelverlogo. Vses Soveshch. 1964.
pp 224-226.
*FTD-HT-23-355-63

Sci-Chen
May 68

On the Concept in Explicit Form of Equation of
State of a Real Gas, Expressed Through the Inde
pendent Variable T and U , by

V. A. Gayoruchenko, et al.

RUSSIAN, per, Akademiya Nauk SSSR. Zhurnal
Fizicheskoi Khimii, Vol 32, No 6, 1958,
pp 1221-1229.

*CFSTI TT 69-55051

sci/physics
mar 69

Amosova, L. S.
 FAUNA AND BIOLOGY OF HELIIDS OF THE
 GENUS *CHIRONOMUS* (PAMPHIDAE) OF CONI-
 FER-BROADLEAVED FORESTS OF SOUTH USSURI
 LAND, tr. by R. Ericson. Apr 58, 11p.
 Order from LC or SLA m192.40. p453.30 61-19185

Trans. of M. ent. (the 11) from Akad[emiy]a Nauk
 SSSR. Zool[ogicheskij] Inst[itut] 1956, 15p.

61-19185

1. Diptera--USSR
 1. Amosova, L. S.

1956

Office of Technical Services

(Bibliog. Entomol. Zool. Tr. v. 5, no. 11)

Homoptera, Psyllinea in Detector (Key) of the
Insects of the European Part of SSSR, by
N. N. Loginova, 46 pp.
RUSSIAN, per, Ak. Nauk SSSR, Zool. Institut,
Part 1, No 84, 1964, pp 437-482.
*CFSTI TT 69-55078

Sci/BGM
Mar 69

Homoptera, Aleyrodinea in Detector (key) of the
Insects of the European Part of SSSR, by
Ye. M. Dantsig, 8 pp.
RUSSIAN, per, AK Nauk SSSR, Zool. Institut,
Part 1, No 84, 1964, pp 482-489.
•CFSTI TT 69-55078

Free Living Nematodes in the Collections of the
Zoological Museum of the Imperial Academy of Sciences
in Petro, by I. N. Filippov.
RUSSIAN, per, Akademi Nauk Zoologicheskii Muzei,
Ezhegodnikh, Vol 21, 1916, pp 59-116.
*NTIS TT 71-58009

June 71

Forced Elements of the Hemolymph of Ixodid
Ticks, by V. A. Tselisova,
RUSSIAN, per, Akad Nauk Tada SSSR 2: 1, 45-51, 19
1959.
Dept HEN, NIH, 8-52-65

Sci-Biol & Med
Oct 65

290,332

Diurnal Dynamics of the Section Force
of Leaves of Perennial Grasses, by P.

D. Kolesnikova, 18p.

RUSSIAN, per, Akademika Boris Fedotkin
SSR Dushanbe. Otdelenie Biologicheskikh
I Khimicheskikh Nauk, Institute,

No 1, 1961, pp 88-93.

ORS TT-65-60402

CSIRO/No 6613

333, 394

Sci

Jul 67

The Temperature Regime of Leaves of
Tajikistan Plants, by L. G. Bregotova,
A. I. Popova.
RUSSIAN, per, Akademiya Nauk Tadzhikskoi
SSSR, Dushanbe Otdel Fiziologii i Biofiziki
Rastenii, Tematicheskii Sbornik, No 3,
1963, pp 29-40.
CPSTI TT-65-64386

SLA TT-64-18831

SLA TT-64-18831

sci-B&M
June 66

303,516

Studies of Electrochemistry of Fused Slats
in Nonferrous Metallurgy, by Yu. K.
Delimars'kii, 8pp.
RUSSIAN, per, Akademiya Nauk USSR, Vol 26,
No 5, 1955, pp 36-39.
CFSTI TT-64-18403.

322,665

Sci - Metallurgy
Apr 67

Magnetron lenses, by K. D. Sinel'nikov, V. E.
Ivanov,

UKRAINIAT, per. Ak Nauk Ukrain SSR, 1958, pp 20-23.

*AEC

Sci - *Electron*
12 Oct 60

List 44

X-ray Diffraction Study of the Structure of Some
Liquid Alloys of Indium With Lead and Tin, by
A. V. Rozanova, A. S. Lashko, 27 pp.
RUSSIAN, per, Akad. Nauk Ukr. SSR, No 15, 1962,
pp 87-99.
AEC NP-tr-1245

Sci/Physics
Nov 66

311,551

A Unified Multichannel Telemetering System
for the Study of Nuclear Radiations, by
A. A. Dragin, R. F. Fedoriv. 6 pp.
RUSSIAN, per, Akad. Nauk USSR, Fiziko-
Mekhanicheskiy Institut. Voprosy Peredachi
Informatsii, No 3, 1964, pp 118-121.
9709170
FTI-TT-65-1889

Sci/Nuclear Sci
May 66

299,474

Ionization of Fast Hydrogen Atoms in a Strong
Magnetic Field, by Ye. S. Borovik and
F. I. Basol, 5 pp.
RUSSIAN, per, AN USSR. Fiziko-Tekhnicheskiy
Institut. Doklady, No 52, 1964, pp 3-6.
P100253468-V
FTD-RT-23-818-67

Sci-Physics
Oct 68

366,145

Nonlinear Stabilization of Plasma Beam
Instabilities, by V. N. Tsytovich.
RUSSIAN, per, AN UkrSSR. Fiziko-Tekhnicheskii
Institut. Doklady No 076/P090, 1964, pp 1-14.
#TID-MF-24-393-68

Sci/Rpy
Oct 68

Oscillations and Heating Of Small Plasma Clusters,
Irradiating on an Axially-Symmetrical Magnetic Field,
by N. A. Khizimyak, A. A. Vodyanitskiy.
RUSSIAN, per, All USSR, Fiziko-Tekhnicheskii Int.
Doklady, No 114, 1964, pp 1-9. PI002538J-V
FTD-14-23-661-67

Sci-Phys
Oct 68

369,389

Injector-Type Electron Accelerator with Constant
Wave Phase Velocity, by V. A. Viskovskiy, I. A.
Grishayev, 11 pp.

RUSSIAN, per, AN USSR Fiziko-Tekhnicheskoy In-
stitut. Inzhenernyy Zhurnal. Elektronnyy i
Podsvetnyy Pribor. Zhurnal. No 1, 1963.
pp 1-12. P100338707
FTD-HT-67-1

Sci-Elec
Feb 68

349,037

Corticalin and its Effect Upon Normal Animals, by
E. Medvedeva, 66 pp.

RUSSIAN, Academy of Sciences of the U.S.S.R.
Institute of Clinical Physiology, 1943, pp 132-178.

SLA R-1038

Sci - Medicine
Apr 58

61,101

Magnetic Anomalies of the Dnieper-
Donets Depression and Their Geologic
Interpretation.

UKRAINIAN, per. Geologichnyy Zhurnal,
T. 18, Vyp 4, 1958; Akademiya Nauk
Ukrains'koi RSR, pp 61-71.
ACIC TC-895

USSR
Sci/Earth Sci
Jun 65

282,400

Formulae and Ephemerides for Field Observations
on the Moon, by A. A. Yakovkin, et al.
RUSSIAN, per, Akademiya Nauk Ukrainskoy SSR,
Glavnaya Astronomicheskaya Observatoriya, 1964,
148 pp.
*ACIC TC-1139

Sci/Earth Sci
Nov 66

Electroslag Remelting and Moldability of Austenitic
Steels, by B. I. Medovar, 14 pp.

RUSSIAN, per, AN UkrSSR, Institut Elektrosvarki
Novyye Problemy Svarochnoy Tekhniki, 1964,
pp 275-287.

RTB/FTD/MT-24-376-69

Sci/Mat
May 70

405,719

Electrolytic Separation of Sodium from
Homogeneous Solutions, by V. G. Plotnikov,
Z. A. Zinkelevich.
RUSSIAN, per, Academy of Sciences USSR,
Kiev. Institut Khimii. Zhurniki, Vol 5,
1938, pp 3-57.
SLA 77-66-10836

331, 508

Sci - Chem
Jul 67

Dellmerskiy, Yu. K.
GALVANIC CELLS OF THE DANIELL TYPE IN
MOLTEN BROMIDES. (1962) 14p 18refs
Order from OTS, SLA, or ETC \$1.60 TT-64-14903

Trans. of Akademiya Nauk USSR [Kiev]. Instytut
Khim[il]. Zapyski, 1966, v. 8, no. 2, p. 13-11.
Another trans. is available from K-H \$17.50 as
K-H-3485 d (1962) 14p.

(Chemistry-Physical, IT, v. 11, no. 11)

TT-64-14903

I. Dellmerskiy, Yu. K.

Office of Technical Services

On Some Methods of Converting Address Algorithms
by V. N. Porshneva, 13 pp.

RUSSIAN, per, AN USSR. Institut Kibernetiki.

Kibernetika i Tekhnika Vychislaniy, 1964,

pp 84-93. P100122868-V

FTD-HT-67-219

Sci-Electronics

July 68

350,853

On Question of Realization of Variational
Methods in AVN (Analog Computers), As Applied
to Solution of Integral Equations, by A. F.
Verlan', 6 pp.

RUSSIAN, Col of Art, AN URSR. Institut
Kibernetiki. Kibernetika i Vychislitel'naya
Technika, 1964, pp 3-7.

F100028668-V

FTD-MT-63-551

Sci-Mathematical Sci

Feb 68

350,525

Certain Informational Criteria in the Control
of Multiple-Connected Systems, by K. D. Zhuk,
9 PP.

RUSSIAN, Col of Art, AN UZSSR. Institut
Kibernetiki. Kibernetika i Vychislitel'naya
Tekhnika, 1964, pp 8-17.

F100028668-V

FTD-MT-65-551

Sci-Electronics and Elec. Engr.

Feb 68

350,526

Control Synthesis of Arithmetical Unit of a
Digital Computer, by V. I. Kartashev, 8 pp.
RUSSIAN, Col of Art, AN SSSR, Institut
Kibernetiki. Kibernetika i Vychislitel'naya
Technika, 1964, pp 18-25.
F10028668-V
FTD-MT-65-551

Sci-Electrical Engr, Electronics
Feb 68

350,927

On One Method of Synthesis of Automatic Multi-
circuit Systems, by K. D. Zhuk, 6 pp.

RUSSIAN, Col of Art, AN SSSR. Institut
Kibernetiki. Kibernetika i Vychislitel'naya
Technika, 1964, pp 26-31.

FI00028668-V

FTD-MT-65-551

Sci-Electronics & Electrical Engr.

Feb 68

350,228

Generator of Functions for the Solution of
Integral Equations in Electronic Models,
by A. F. Verlan', 5 pp.

RUSSIAN, Col of Art, AN SSSR. Institut
Kibernetiki. Kibernetika i Vychislitel'naya
Tekhnika, 1964, pp 32-37.

F100028668-V

FTD-MT-65-551

Sci-Electronics & Electrical Engr.

Feb 68

370,729

On One Particular Law of Optimum Control
Regarding High Speed Operation, by
A. A. Stogur, A. D. Semenyuk, 5 pp.
RUSSIAN, Col of Art, AN USSR. Institut Kiber-
netiki. Kibernetika i Vychislitel'naya Tekhnika,
1964, pp 38-42.
F10006668-V
FTD-MT-65-551

Sci-Electronics & Elec Engr.
Feb 68

350,530

Investigation of Optimum (By High Speed Operation) Systems of the Second Order, by
D. V. Karachonets, V. V. Kolesnik, 9 pp.
RUSSIAN, Col of Art, AN UNKOWN, Institut
Kibernetiki. Kibernetika i Vychislitel'naya
Technika, 1964, pp 43-52.
FI00028668-V
FTD-MT-65-551

Sci-Electronics & Elec Engr.
Feb 68

350,531

Automation of Complicated Physical Experiments
and Industrial Tests with Help of Digital Com-
puters, by V. M. Yagipko, 9 pp.

RUSSIAN, Col of Art, AN SIKORSKI. Institut
Kibernetiki. Kibernetika i Vychislitel'naya
Tekhnika, 1964, pp 53-61.

F100028668-V

FTD-MT-65-551

Sci-Electronics & Elec Engr.
Feb 65

350,532

Certain Questions of Exploitation Reliability of Digital Calculating and Controlling Machines, by L. A. Korytnaya, 12 pp.
RUSSIAN, Col of Art, ~~AN SSSR~~. Institut
~~Kibernetiki. Kibernetika i Vychislitel'naya~~
~~Tekhnika~~, 1964, pp 62-73.
P10008668-V
FTD-MT-65-551

Sci-Electronics and Elec Engr.
Feb 68

350,534

Certain Methods of Primary Treatment of
Sound Information, by V. G. Zaytsev, 6 pp.
RUSSIAN, Col of Art, AN UZSSR. Institut
Kibernetiki. Kibernetika i Vychislitel'naya
Tekhnika, 1964, pp 74-79.
PI00028668-V
FTD-MT-65-551

Sci-Behavioral and Soc Sci
Feb 68

350,586

Selection of the Type of Standards for Correlation Reading Automata, by V. K. Yaliscayev,

7 pp.

RUSSIAN, Col of Art, AN SSSR. Institut Kibernetiki. Kibernetika i Vychislitel'naya Tekhnika, 1964, pp 80-86.

F10008668-V

FTD-MT-65-551

Sci-Electronics & Elec Engr.

Feb 68

350,533

Equipment of the Treatment of Optical Information Using General Purpose Computers, by
V. I. Rybak, 5 pp.
RUSSIAN, Col of Art, AN URSR. Institut
Kibernetiki. Kibernetika i Vychislitel'naya
Tekhnika, 1964, pp 87-91.
F100028668-V
FTD-MT-65-551

Sci-Electronics & Elec Engr.
Feb 68

350,535

Question of Automatic Treatment of Sound
Information, by V. G. Zaytsev, 11 pp.
RUSSIAN, Col of Art, AN USSR. Institut
Kibernetiki. Kibernetika i Vychislitel'naya
Tekhnika, 1964, pp 92-102.
F100028668-V
FTD-MT-65-551

Sci-Electronics & Elec Engr.
Feb 68

350,536

Calculation of Photoelectric Systems with
Scanning Beam, by V. K. Yalovayev, 8 pp.
RUSSIAN, Col of Art, AN SSSR. Institut
Kibernetiki. Kibernetika i Vychislitel'naya
Tekhnika, 1964, pp 103-110.
P100028668-V
FTD-MT-65-551

Sci-Electronics & Elec Engr.
Feb 68

350,537

Investigation of High Speed Optimum Operation
of Systems of the Second Order (A Case of
Complex Conjugate Roots of a Characteristic
Equation of the Linear Part), by D. V.

Karachukets, 8 pp.

RUSSIAN, Col of Art, AN URSR. Institut Kiber-
netiki. Kibernetika i Vychislitel'nye
Tekhnika, 1964, pp 111-119.

F10008668-V

FTD-MT-65-551

Sci-Electronics & Elec Engr.

Feb 68

350,538

A Method of Constructing an Information Language
for the Technical Sciences, by Ye. F. Skorokhod'ko,
16 pp.

RUSSIAN, rpt, An Ussr. Institut Kibernetiki,
"Obshcheyurval'na Matematika i Tekhnika", 1963.

pp 45-52.

P100187468-V

FTD-HT-67-298

Sci/Elect & Elect Engr
Sept 68

364,978

About a Method of Analyzing the Reliability of
Functional Systems of Digital Computers, by
S. S. Zabara, 16 pp.
UKRAINIAN, per, AN UKRAINE Institute Kiber-
netyky Obchyslyval'na Matematyka i Tekhnika
1963, pp 90-99, 228-231
FTD TT-65-347

Sci
Mach & Data Proc

288,531

About One Variant of an Information Device
With the Use of a Ferrite Memory Unit, by
I. G. Moroz, 5 pp.
UKRAINIAN, per, AN UKRBSR Instytut Kiber-
netyky Obchyslyval'na Matematyka i Tekhnika,
1961, pp 113-117. 9697881
PTD 11863-347

Sci
Math & Data Proc

288,524

The Use of Liquid-Metal Melts in Different
Branches of Industry, by M. I. Chayevskiy,
14 pp.

RUSSIAN, per, AM URSUR. Institut Mashinovedeniya
i Avtomatiki, L'vov Nauchnyye Zapiski. Seriya
Mashinovedeniya, Vol 9, No 9, 1962, pp 11-21.

PJ00329367

FID-MT-67-82

Sci-Materials
Dec 67

344,398

X-Ray Determination of Elastic Constants E and ν , by M. M. Shved. 9 pp.
RUSSIAN, rpt, AN UkrSSR, Institut Mashino-
vedeniya i Avtomatiki Voprosy Mekhaniki Real'-
nogo Tverdogo Tela Kiev, 1964, pp 128-135.
AIR/PTD/IR-23-1137-68

sci/physics
may 69

380,131

Forced Oscillations of an Elliptical Plate,
by T. Buriyev. 7 pp.
RUSSIAN, per, AN UZSSR, Institut Mekhaniki i
Vychislitel'nyy Tsentr. Voprosy Vychislitel'noy
Matematiki i Tekhniki, No 2, 1964, pp 3-11.
AIR/FTD/IT-23-1518-67

sci/physics
mar 69

377,781

Application of Electrical Analog Method to Solving Mass
Production Problems, by I. S. Bobyr, 20 pp.
RUSSIAZHEKIN, per, Ak Nauk Ukrain SSR Izv. Math
Napryazheniya v Element Turbomashin, Vol II,
1962, pp 162-170. 9695931
PTD-TT-64-753

Sci - Engr
Feb 63

272,778

Stability of a Circular Cylindrical Shell During
Uneven Heating, by V. V. Kabanov.
RUSSIAN, per, Ak Nauk Ukr SSR Institut Mekhaniki.
Teplovyye Napryazheniya v Elementakh Konstruktsiy;
~~Nauka~~ Nauchnoye Soveshchaniye. Doklady, No 3, 1963,
pp 191-199.
*FTD-HT-64-329

Sci-Five

Aug 61

Thermal Stability of Cylindrical Shells Equipped
With Cooled Diaphragms, by L. M. Kurahin.

RUSSIAN, per, Ak Nauk Ukr SSR Institut Mekhaniki,
Teplovyye Napryazheniya v Elementakh Konstruktsiy;
Nauchnoye Soveshchaniye. Doklady, No 3, 1963,
pp 211-219.

*FID-WI-64-329

Sci - Phys

Aug 64

Test of Glass Plastic for Thermal Impact, by
I.L.A. Loshkarev, D.L. Bogorad. 6 pp.
RUSSIAN, per, Ak Nauk UKSSR, Institut Mekhaniki,
Teplovye Napryazheniya v Elementakh Konstruktsiy
Doklady Nauchnogo Soveshchaniya, No 4, 1964,
pp 355-358. P100027266
FTD-TT-65-1189

Sci/Materials
Sup 00

309,451

Study of Diffusion in Ag Alloys With Ad-
ditions, by S. D. Gertsriken, et al.
RUSSIAN, per, Akad. Nauk URSR (Kiev), Instit.
Met. Fiz., Sbornik Nauch. Rabot, No. 8,
1957, p.. 101-104.
*CFSTI TT 70-57042

Sci/phys
Feb 70

Investigation of Volume Diffusion of PE
in Alloys, by S. D. Gertsriken, et al.
RUSSIAN, per, Akad. Nauk URSR (Kiev)
Instit. Tet. Fiz., Sbornik Nauch. Rabot,
No. 9, 1959, pp. 147-153.
*CFSTI TT 70-57039

Sci/phys
Feb 70

Parameters of the Self-diffusion of Fe in
Delta-region of Fe and in Fe-alloys with
Small Additions of Al, by S.D. Gertsriken,
et al,
RUSSIAN, per, Akad. Nauk URSR (kiev), Inst.
Met. Fiz. Sbornik Nauch. Rabot, No. 10,
1959, pp. 68-67
*CPSTI TT 70-57043

Sci/phys
Feb 70

Theory of the Formation of the Fe₃Al (11) Phase,
by V. V. Gaichenko.

RUSSIAN, per, Akad Nauk USSR. Kiev, Inst Metallofiz
Sb Nauch Rabot Voprasy Fiz Met i Metalloved, No 13,
1961, pp 44-46.

*CFSTI TT 70-58198

Sci-Chem
June 70

Volume Diffusion and the Phase Diagram in Ni-Mn
Alloy System, by S. D. Gertshteyn.
RUSSIAN, per, Akad Nauk USSR. Kiev, Inst Metallizatsii
Sb Nauch Rabot Voprosy, No 15, 1962, pp 152-153.
*CPSTI TT 70-58199

Sci-Chem
June 70

Polotskii, I. G. and Levin, G. I.
EFFECT OF ULTRASOUND ON CRYSTALLIZATION
OF SUPERCOOLED MELTS. [1963] [7]p. 11 refs.
Order from OTS or SLA \$1.10 63-18434

Trans. of Akademiya Nauk URSS [Kiev]. Instytut
Metallofiziki. Sbornik Nauchnykh Rabot, 1961, v. 13
[p. 177-180].

DESCRIPTORS: Phenyl radicals, Salicylates, *Crystal-
lization, *Ultrasonic radiation, Motion picture photog-
raphy, Liquid metals, Melting, Liquids, Cooling,
Crystal structure, Crystals

Method for taking moving picture of crystallization of
melts in ultra sound field was constructed. Moving pic-
ture of the crystallization process of supercooled anilol
non-irradiated by sound, and subjected to action of
ultrasound, was taken. It was established that at the
action of ultrasound, intense crystallization of anilol
(Metallurgy--Structural, TT, v. 10, no. 11) (over)

63-18434

1. Title: Anilol
2. Title: Supercooling
- I. Polotskii, I. G.
- II. Levin, G. I.

Office of Technical Services

Cr-Ti Phase Diagram, by V. N. Svechnikov.
RUSSIAN, per, Akademiya Nauk Ukrainskoi
RSR. Institut Metalofiziki. Sbornik
Nauchnykh Rabot, No 16, 1962,
pp 132-135.
DOC 72-10671-11F

Apr 72

Calibration of the Vt-5/20 Thermocouple to
Critical Points up to 3000°C. Determin-
ation of the Melting Points of Vanadium
and Niobium of High Purity, by
Yu. A. Kocherzhinskiy, G. F. Kobzonko, et al.
3 pp.
RUSSIAN, per, Akad. Nauk USSR, Institut
Metallofiziki. Sbornik Nauchnykh Rabot,
No 17, 1963, pp 209-210. 9700172
FTL-TT-65-1888

Sci/Physics
May 66

209,481

Structural Diagram of Niobium-Nickel System, by
V.N. Svechnikov, V.M. Pam, et al. 15 pp.
RUSSIAN, per, Akad. Nauk USSR, Institute Metallo-
fiziki. Sbornik Nauchnykh Rabot, No 19, 1964,
pp 196-205. 9799437
FTD-TT-65-1489

Sci/1144
Jun 66

302,529

Investigations of Diffusion of Mn in Relation to
Additions in Ternary Alloys of Ni-Mn-Third Element
by S.D. Gertsiken et al.
RUSSIAN, per, Akad. Nauk Ukr. SSR, Inst. Metallova.
Sb. Nauchn. Rabot. Vopr. Fiz. Metal. i Metalloved
No. 5, 1954, pp. 71-77
*CFSTI TT 70-57059

Sci/phys
Feb 70

Investigation of Diffusion in Alloys of
Ag with Cd, In, Sn, and Sb, by
S. D. Gertsriken, et al.
RUSSIAN, per, Akad. Nauk URSR, Inst.
Metallofiz. Voprosy Fiz. Metallov i
Metalloved. Sb. Nauchn. Rabot., No. 8,
1957, pp. 101-104.
ICPSTI TT 70-57054

Sci/phys
Feb 70

Investigation of Diffusion in the System
Fe-Al in an Extensive Concentration Inter-
val, by S. D. Gertsriken, et al.
RUSSIAN, per, Akad. Nauk SSSR, Instit.
Metallurgy, Issledovaniia po Zharoprochyn
Splavam, #3 1958, pp. 68-76.
*CPSTI TT 70-57046

Sci/phys
Feb 70

REQ TH CHECK

16-6-7

BR70-1224

Molybdenum disulfide, its properties and applications

Pugina, L.I., Sinyavskaya, M. D., Maksimchuk, IM
Ruian mon: Disulfid molibdena, yego svoystva i
primeneniye 1948, 48 pgs. (At head of title:
Akademiya Nauk Ukrainakoy SSR. Institut problem
materialovedeniya)

Combustion of Droplets in an Airstream, by
L. P. Latonina.
RUSSIAN, rpt. AN URSR, Institut Tekhnicheskoy
Termofiziki, Termofizika i Teplootekhnika, Kiev.
Mashyna Druka, 1964, pp 163-166.
*PTD-MI-24-140-68

Sci-Phys
May 68

English Title Unknown, by S. V. Pelet.
RUSSIAN, per, Ak Nauk URSR, Inst Teoret
Fiz, ITF-68-5, N68-32028.
*NASA TT F-12,078

Dec 68

A Simple Method of Calculating a Laval Nozzle, by
A. Sh. Dorfman. 8 pp.
RUSSIAN, per, AN USSR, Institut Teploener-
getiki. Teploobmen i Gidrodinamika. Sbornik
Trudov, No 14, 1958, pp 26-31.
AIR/PID/IT-23-414-69

sci/hyiscs
may 70

406,904

Records of Investigation of Conductive Heat Exchange
Between Plane Metallic Surfaces, by V. S. Miller.
UKRAINIAN, per. At Heat Engineering 1952, 1957
Int. Technological. 2000. 1952, No 25, 1950,
pp 44-51.
Radstone Arsenal

Sch-Ed
July 6.

263,144

An Investigation of the Influence of Zirconium
on the Structure and Properties of Carbon Steel,
by V. Ya. Savenkov, I. N. Shevchenko.

RUSSIAN, per, Ak Nauk Uk SSSR, Metalloved, Tern.
Obrabotka Stali i Chuguna, Vol 18, 1962,
pp 67-72.

BISI 4961

Sci/Materials

Jun 67

327,736

Volume Diffusion of Cr and FeCr Alloys at High
Temperatures, by A. G. Lesnik.

RUSSIAN, par. Ak Nauk USSR, Inst Metallofiz Sborn
Nauch Rabot Voprosy Fiz Metall i Metalloved, Vol 5,
1954, pp 118-122.

*CFSTI TT 70-59105

Sci- *phys*
June 70

Study of Atomic Movements in Self-diffusion of
Metals, by M. A. Krovoglas.

RUSSIAN, per, Ak Nauk URSS, Inst Metallofiz Sborn
Nauch Rabot Voprosy Fiz Metall i Metalloved, Vol 5,
1954, pp 128-137.

*CFSTI TT 70-59106

Sci- *ph*
June 70

Mechanism of Diffusion of Some Elements in Irons
and Steels, by I. Ya. Dekhytat.
RUSSIAN, par, Ak Nauk USSR, Inst Metallofiz Sborn
Nauch Rabot Voprosy Fiz Metall i Metalloved, No 8,
1957, pp 77-90.
*CFSTI TT 70-59107

Sci- *[signature]*
June 70

Volume Diffusion of Co and Fe in Co and FeCo Alloys,
Ni in Fe, by S. D. Gertsiken.

RUSSIAN, per, Ak Nauk USSR, Inst Metallofiz Sborn
Nauch Rabot Voprosy Fiz Metall i Metalloved,
No 9, 1959, pp 154-161.

*CFSTI TT 70-59108

Sci- *phys*

On the Interdiffusion of Ti with Various Elements,
by A. Ya. Shinyayev.
RUSSIAN, per, Akad Nauk SSSR, Vses Nauch Konfent,
Diffuziy v Metall Splav, 1964, pp 51-59.
*CFSTI TT 70-59098

Sci- *hug*
June 70

Enrichment of Soils with Enzymes and Their Sources.,
by N.Y. Peterson.
RUSSIAN, per, Ann. Inst. Khim. R.S.S.R. Mikrobiol., Vol. 23,
No. 6, pp. 1-11
WZBIA

Sol -
July 1, 1971

CS-10

An Investigation of the Fine Structure of the
F Layer of the Ionosphere, by N. T. Tsymbal,
9 pp.

RUSSIAN, per, Ak Nauk Ukrain RSR, Organizatsionnyy
Komitet po Provedeniyu Mezhd Geofiches Goda, Mezhd
Geofiz God Informatsionnyy Byull, No 3, 1961,
pp 19-23 9680267

FTD-TT-62-1388

Sci-~~RMK~~ Earth Sci & Astron
Apr 63

226,750

Analysis Models for Diffusion in Two-phase Systems,
by A. Ya. Shinyayev.
RUSSIAN, par, Akad Nauk USSR, Kiev, Podvishnost
Atomov, 1964, pp 88-95.
CFSTI TT 70-59096

Sci- *Phys*
June 70

Photosynthesis of *Chlorella Vulgaris* Boyer at
Mass Cultivation in Open Basins of Uzbekistan, by
Kh. Berdykulov, 7 pp.
RUSSIAN, per, ~~Ak Nostk Unstik SSR, Otdel Biol Naut.~~
~~Yemroy Biol Kravroy Mediz.~~ No 4, 1963, pp 123-130.
0096279
FTL-TT-64-636

Sci - Biol & Med Sci
Mar 65

276,893

BD 576

(DC-2606)

Handbook of the Academy of Sciences Uzbek
SSR for 1958, 52 pp.

RUSSIAN, handbook, Akademiya Nauk Uzbekskoy
SSR Spravochnik na 1958 God, Tashkent, 1958.
PP 1-130.

JPRS L-1708-D

Sci - Misc, Academy of Sciences

Jul 59

90,706

Could the Ancient Metallurgists smelt Aluminum
Bronze?, by M. K. Akopova, V. A. Pazukhin, V. A.
Chizhov, 6pp
RUSSIAN, per, Ak Nauk USSR, Inst Arkh Kratkie
Sobesucheniya o Dokladakh: Pol Issled, 1963, No 93,
pp 114-115
OTS TT-64-15434

Sci - Meta
July 67

330,919

An Experiment to Study Heat Transfer From
a Condensing Vapour to a Liquid, with the Heat
Exchange Surface in Rotation, by I. I.
Chernobyl'skii, G. M. Shchegolev, Lipp
RUSSIAN, per, Ak Nauk USSR Inst Teplo Sbornik
Trudov, Vol 1, 1949, pp 118-124
OTS TT-34-19961

Sci - Nuc Phy and
Nuc Chem
July 67

330,993

Studies on Contact Heat Exchange Between Heat
Engine Parts, by I. T. Shvets, E. F. Dyban, N. M.
Kondak, 47pp
RUSSIAN, per, Ak Nauk KURSR Kiev Inst Teplo
Sbornik Trudov, Vol 12, 1955, pp 21-53
OTS AD-603 537

Sci - Nuc Phys and
Nuc Chem
July 67

330,997

Some Data on the Distribution of Zooplankton in the
Northern Indian Ocean, by M. Vinogradov, N.
Voronina.

RUSSIAN, for, Academy of Sciences U.S.S.R. Institute
of Oceanology, Transactions, Vol. 58, 1962,
pp 60, 111.

CSIRO/NO. 6043

Sci -

July 1967

334,001

Number and Distribution of Soil-Inhabiting Mites.,
by Z. Sultanhodzhayeva.
RUSSIAN, 198, Anal.Mash Uzbek. SSR. Tashkent, Vol. 3,
1961, 11 101-102
CSINO/m. 1010

Sci -
July 1, 7

334-000

Theories of Irrationalities of Third Degree, by
Delone, B. R. and Fadisev, D. K.

RUSSIAN, per Akad Sci URSS, Vol XI, 1940, pp

*Trans Comm of Amer
Math Soc

Sci
Aug 60

The Absolute Quantitative Determination of
Amines by the Exnation Method, by V. I. Boranov.

BERANOV, Akad V. I. Vernadskom k Pyntidessyatiletiju
sk, Doyatelnosti, Vol I, 1936.

AEC Tr 341

15,019

Scientific - Chemistry

Jan 1951 CT8

Acanthocephala of Domestic and Wild Animals, by
V. I. Petrochenko, Vol I, 465 pp.

RUSSIAN, bk, Akantotsefaly (Skrebni) Domashnikh i
Dikikh Zhivotnykh, Vol I, 1956.

NTIS TT 70-50165

Mar 72

Acanthocephala of Domestic and Wild Animals, by
V. I. Petrochenko, 478 pp.
RUSSIAN, bk, Akantotsefaly (Skrebni) Domashnikh i
Dikikh Zhivotnykh, Vol II, 1958.
NTIS TT 70-50166

Apr 72

Acclimatization of Man in the North, by Prof
G. M. Denishevskiy, 110 pp.

RUSSIAN, bk, Akklimatizatsiya Chelovaka na
Severe, publ by State Publ House of Medical
Literature, Moscow, 1955, Chap 2, 3, 5, 6
(in full), Chap 1, 4, 8, 9, 11, 15 (scanned),
Encl to IR-1890-56, AFON-1A1.

AF 1068A56

43,887

Sci - Medicine
Feb 1957/OTS

✓ (FDD 27462)

Human Acclimatization in the North, by Prof G. M. Danilchevskiy, 117 pp.

RUSSIAN, bk ~~Adaptatsiya Cheloveka na Sever~~, Chapters 7, 10, 13, 14, 15, Moscow, publ by Medgiz, 1955, pp 131-132.

CIA/FDD U-8273

USSR

Sci - Medicine, Arctic

May 56

35,293

ACCLIMATIZATION OF MAN TO THE NORTH AND SOUTH, BY
I. A. ARNOL'DI, 59 PP.

RUSSIAN, BK, AKKLIMATIZATSIYA CHELOVEKA NA SEVERE I
YUGE, MOSCOW, 1962, PP 1-71.

JPRS 21281

SCI-BIOL & MED
OCT 63

346,456