

LITOLOGIYA I POLEZNYE ISKOPAYEMYE  
(Lithology and Mineral Resources -  
bimonthly)  
Translation begins with 1966  
lag time: ca. 6 months  
Order from: Plenum Publishing Corporation  
227 West 17th Street  
New York, N.Y. 10011

1971: \$ 145.00/year  
\$ 35.00 single issues  
add \$ 15.00 single article reprints  
\$ 5.00 on overseas subscription

Литература и Публикации  
1968

Full tr by Comintans Bureau

New Journal

Mar 68

ATS

RJ-5748 THE DEPTHS OF SAIT-FORMING BASINS OF THE GEOLOGIC  
PAST, A. A. Ivanov. *Litologiya i Polezn. Iskop.*  
1967, No. 2 (March-April), 15-29. \$29.75 (\$5.50)  
8600 W; 1 T; 37 R

Yu. I. Safronova

Investigation of Feynman diagrams of the first and second orders for some states of light atoms. 1: Expressions for contributions from the first-and second-order diagrams in terms of radial integrals. 25 pp.

RUSSIAN, Litovsk. Fiz. Sb. Vol 7, No 1, 1967  
pp 53-72

NASA TT F 14,403

oct 72

YU. I. Safronova

A study of Feynman diagrams of the first two orders for some states of light atoms.

3: Numerical calculations of contributions and diagrams. 19 pp

RUSSIAN, Litovsk. Fiz. Sb, Vol 7, No 2, 1967  
pp 303-319

NASA TT F 14,402

oct 72

REQ TR CHECK

24-62-07

TGA2

SOLUTION OF GENERAL EQUATIONS DESCRIBING THE  
MOTION OF ELASTIC AND VISCO ELASTIC LAYERS  
VARASAS V V; ICHKUS S I  
UR: LITOV. FIZ. SB. (USSR), 1970, no 4,  
pp 501-512

Process no 95  
MTT 72-24-0992

*negative*  
10/10/70

The Classical Approximative Methods in Game Theory,  
by Ye. Vilkas, D. Sudzhyute, 14 pp.

RUSSIAN, per, Litovskiy Matematicheskiy Sbornik,  
Vol 6, No 2, 1966.

ARM/FSTC/CW-01-01-72

Oct 71

A Game of Pursuit in the Half-Plane, by  
I. P. Yachyauskas, 5 pp.  
RUSSIAN, per, Litovskiy Matematicheskiy Sbornik,  
Vol 7, No 1, 1967.  
ARM/FSTC/CW-01-01-72

Oct 71



one differential game with three players, by  
L. S. Yachyavskas. 7 pp.  
English, per, Litovskiy Matematicheskiy  
Sbornik, Vol 7, No 2, 1967, pp 357-362.  
AM/PTD/AM-23-249-69

sci/ mathematical  
oct 69

394,245  
29

Finding All Equilibrium Solutions for a Class of  
Complex Mathematical Programming Problems, by  
R. Yasilionis, 22 pp.  
RUSSIAN, per, Litovsky Matematicheskiy Sbornik, Vol 7,  
No 4, 1967.  
ARM/FSTC/HT-23-121-72

Aug 72

Information in Games of Pursuit, by I. P. Yachynuskas,  
10 pp.  
RUSSIAN, per, Litovskiy Matematicheskiy Sbornik,  
Vol 8, No 2, 1968.  
ARM/FSTC/CW-01-01-72

Oct 71

Stress Relaxation of Rigid Glass Fiber-Reinforced  
Plastics, by I. I. Muralis, Ya. P. Baushis, 6 pp.  
RUSSIAN, per, Litovskiy Mekhanicheskiy Sbornik, No 2(3),  
1968, pp 129-135.  
ARM/FSTC/HT-23-508-71

Jan 72

"Litva"

RUSSIAN: Litva Moscow, 1968. pp. 155-158, 190-194,  
212-213, 216-231.

LN 999-72 / DIA

July 1972

Selection of Materials for Parts Operating Under  
Bearing Contact and Erosion-Corrosion Wear Con-  
ditions, by B. A. Kiriyevskiy, et al. 9 pp.  
RUSSIAN, per, Ityye Iznosostoykiye Materialy  
(Casting Wear-Resistance of Material), Kiev, Izd-  
vo Naukova Dumka, 1969, pp 17-24.  
AIR/FTD/MP-24-282-70

July 71

Investigation of the Density Dislocations of Phase  
Components in Friction Surfaces of High-Strength  
Cast Irons, by L. I. Markovskaya and  
Ye. A. Markovskiy. 13 pp.  
RUSSIAN, rpt, Lityye Iznosostoykiye Materialy,  
Kiev, Izd-vo "Naukova Dumka," 1969, pp 34-44.  
AIR/FTD/MP-24-242-70

April 71

Investigation of the Stability of  
Austenite Formed in Surface Layers During  
the Friction of High-Strength Cast Irons,  
by L. I. Markovskaya, 8 pp.  
RUSSIAN, per, Lityye Iznosostoykiye  
Materialy, Izd-vo Naukova Dumka, Kiev,  
1969, pp 45-50.  
AIR/FTD-MT-24-279-70

Jun 71



High-Temperature Friction, by M. M. Krasnoshechokov  
and O. D. Lysyak. 11 pp.  
RUSSIAN, rpt, Lityye Iznosostoykiye Materialy, Kiev,  
Ind-Vo Naukova Dumka, 1969, pp 50-60.  
AIR/ETD/MT-21-213-70

April 71

Minstons and Hall, by G. K. Gulakvelidze.  
310 pp.  
RUSSELL, D., Imvnyo Gogoki I. Gogoi, 1967-1969.  
CSTI TF 68-50466

sci/atlas,meric sci  
q of 69

360,012

Transistorized Logarithmic Amplifiers, by  
V. M. Volkov, 189 pp.  
RUSSIAN, bk, Logarifmicheskiye Usiliteli na  
Transistorakh, 1965, pp 1-266. P100196568-V  
FTD-MT-24-118-67

Sci/Elect & Elect Engr  
Sept 68

364,986

*Petrovskiy, V. I.*

*Laser radar. 73 pp*  
*LOKATORY NA LAZERAKH, 1969 73 pp*

Location from a Submarine, by V. Krasnov, 102 pp.  
RUSSIAN, bk, Lokatsiya s Podvodnoy Lodka, 1968.  
FP 1-112.  
Dept of Navy NIC Tr-3132-70

Sci- Nav  
Jan 71

REQ TR CHECK

1-4-18

TB52

ION COMPOSITION AND THE VERTICAL DISTRIBUTION  
OF CHARGED PARTICLES IN THE IONOSPHERIC  
F REGION AND IN THE PROTONOSPHERE

KUTIMSKAYA M A

UR: LONNYI SOSEAV I VERTIKAL'NOYE  
RASPREDELENIYE KARGIZMENNICH CHASTIIE V OBLASTI  
F IONOSFERY I V PROTONOSFERE, 1970,

pp 64-89

*In process as of May*  
*HC-23-71-370 4/27/71*

Experimental Investigation of a Triple-Jet Gas  
 Injector, by Yu. N. Vasil'yev, Yu. A. Zhuravlov,  
 14 pp.  
 RUSSIAN, per. Iskucheniya mashiny i pribory  
Apparaty. Obornit'statoy. No 1, 1966, pp 217-  
 224. 100077000-  
 11-11-24-104-67

sci-nyo  
 ay 68

056.350

On One Possibility of Increasing the  
Stage Efficiency of a Gas Ejector,  
by V. S. Baykov, Yu. K. Vasil'yev, 12 pp  
RUSSIAN, per, Lopatochnyye Mashiny I  
Struyinye Apparaty. Sbornik Statey,  
no 1, 1966, pp 235-249  
R100201068-7  
FTD-MC-24-185-67

Sci/Physics  
Sep 68

364,138



On Calculating the Throttling  
Characteristics of a Gas Ejector  
With Negative Ejection Coefficients,  
by Yu. A. Vasil'yov, 8 pp  
RUSSIAN, per, Lobatochnyye Mashiny I  
struynyye apparaty. Sbornik Statey,  
no. 1, 1966, pp 250-258  
E100201068-1  
E10-1-24-185-67

sci-prop/fuels  
Sep 68

364,139

A. I. Buninovich

Aerodynamic characteristics of plane compressor  
rows at a high subsonic velocity.  
LOPATOCINYE MASHINY I STUINYE APPARATY, 1967,  
pp 5-35,  
NTC 72-15163-01A

mar 73

Study of Total Pressure Losses in the Inlet Guide  
of an Axial Compressor, by Yu. B. Kolesnikov.  
RUSSIAN, B. Lopatochnye Mashiny i Struknye  
Apparaty, 1967, pp 111-133.  
APC-R-Trans-34

Sci-Tech  
APC-R

304,591

On the Causes of Discontinuity in the  
Stage Characteristics of an Axial Com-  
pressor with a Relatively Large Hub  
Diameter, by G. S. Borisov, et al.  
USSR, bk, Lomtochyve Mashiny i  
Struynye Apparaty, Moscow, 1967,  
pp 134-146.  
13-11,583

sci/Noel  
Oct 68

368,969

Theoretical Analysis of the Process  
of readjustment of the Operating  
Regimes of Stages in a Multistage  
Axial Compressor, by L. I. Stefanovskiy.  
MASHIN., bk. Topochnyye Mashiny i  
Struktury Apparaty, Moscow, 1967,  
pp 147-170.  
1967-11,500

tel/tech  
tel 38

369,128

Theory of a Ultrasonic Gas Injector  
With a Cylindrical Mixing Chamber,  
by Ya. I. Vasil'yev.  
USSR, bk. Progressive Mashini i  
Stroyeniye Mashin, Sbornik Statey.  
Vol. 11, Moscow, 1967, pp 171-235.  
11,839

Sci/pe  
Oct 60

Atals

369,117

Aerodynamic Characteristics of Foil Compressor  
Cascades at High Subsonic Speed, by  
A. I. Guntimovich, A. A. Svyatogorov. 34 pp.  
RUSSIAN, per, Lopatocnyye Mashiny i Struynnye  
Apparaty. Sbornik Statey, No 2, 1967, pp 1-169.  
AIR/FPD/IT-24-69-68

sci/aeronautics  
mar 69

375,637

Generalization of Results of Investigation of  
Foil Compressor Cascades at Subsonic Speed, by  
A. I. Bunimovich, A. A. Svyatogorov. 33 pp.  
RUSSIAN, per, Lopatochnyye Mashiny i Struynyye  
Apparaty. Sbornik Statey, No 2, 1967, pp 56-66.  
AIR/PTD/AT-24-69-68

sci/aeronautics  
mar 69

376,638



Investigation of Flat Compressor Grids, by  
A. P. Komarov. 45 pp.  
RUSSIAN, per, Lopatochnyye Mashiny i Struynnye  
Apparaty. Sbornik Statey, No 2, 1967, pp 68-112.  
AIR/FTD/NF-24-69-68

sci/aeronautics  
mar 69

376,639

Investigation of Losses of Total Pressure in the  
Inlet Guide Vane of an Axial-Flow Compressor,  
by Yu. N. Kolesnikov. 22 p.  
RUSSIAN, per, Lopatocnyye Mashiny i Struynyye  
Apparaty. Sbornik Statey, No 2, 1967, pp 113-134.  
AIR/FTD/T-24-69-68

sci/aeronautics  
mar 69

576,640

Causes of break of characteristics of Axial  
Compressor Stage with Large Relative Hub  
Diameter, by G. A. Borisov, Ye. A. Lokshtanov.

15 pp.

RUSSIAN, per, Lopatocnyye Mashiny i Struynnye  
Apparaty. Sbornik Statey, No 2, 1967, pp 135-149.

AIR/FTD/MT-24-69-68

sci/aeronautics

mar 69

376,641

Theoretical Analysis of Process of Reconstruction  
of Operating Conditions of Stages in Multistage  
Axial Compressor, by V. A. Stefanovskiy. 27 pp.  
RUSSIAN, per, Lopatocinnyye Mashiny i Struynyye  
Apparaty. Sbornik Statey, No 2, 1967, pp 150-178  
AIR/FTD/TT-24-69-68

sci/aeronautics  
MAR 69

576,642

Investigation of a Gas Ejector with a Multiberrel  
Supersonic Nozzle of High Pressure Gas, by  
V. S. Baykov, Yu. A. Vasil'yev, 32 pp.  
RUSSIAN, per, Lopatochnyye Mashiny i Struyayye  
Apparaty Obornoi Stroyi, No 5, 1968, pp 147-180.  
AIR/ETD/AF-24-382-09

Sci/Eng  
70

Investigation of Flow in the Initial Section of  
a Sonic Ejector in a Short Mixing Chamber, by  
L. I. Gorkin, V. S. Baykov, 18 pp.  
RUSSIAN, per, Lopatechnyye Mashiny i Struynyye  
Apparty Sbornik Statey, No 3, 1968, pp 161-198.  
AIR/PTD/T-24-382-00

Sci/Phy  
May 70

Theory of the Staggered Diffuser, by  
Yu. N. Vasil'yev. 24 pp.  
RUSSIAN, per, Lopatochnyye Mashiny I Struyanye  
Apparaty, No 4, 1969, pp 229-245.  
AIR/FTD-HC-23-459-70

sci/aero  
feb 71

A. M. Domashenko

*Study of the flow ahead of the cascade in plane super-  
sonic flow. 32 pp.*

LOPATOCHNYE MASHINY I STRUYNYYE APPARATY, No 5, 1971,

PP-4-88 pp 6-27

AIR/FTD-HT-23-1791-72

mar 73



*Yu. N. Vasil'yev*

*Conditions for the existence of a normal shock wave in  
the elements of axial supersonic compressor. 21 pp.*

*LOPATOCHNYYE MASHINY I STRUINYYE APPARATY, No 5, 1971,*

*pp 28-44*

*AIR/FTD-HT-23-1790-72*

*mar 73*

V. S. Sal'nikov

Calculating gas flow in a bypass compressor. 18 pp.  
LOPATOCHNYYE MASHINY I STRUYNIYE APPARATY, No 6, 1971.

PP 45-54

AIR/FTD-HT-23-1789-72

mar 73

REQ TR CHECK

2-11-9

THE7

INVESTIGATION OF A CIRCUMFERENTIALLY  
NON-UNIFORM FLOW IN FRONT OF A AXIAL  
FLOW COMPRESSOR STAGE:

GINZBURG, S.I.; SUSLENNIKOV, L.A.

APPARATY. SBORNIK STATEY. No 5,  
1971, IZD VO MASHINOSTROYENIYE, Moscow

pp. 55-76

*Process in a*

*MF 72 - 24 - 1787*

*Negative  
20 Nov 72*

Effect of a Circumferential Nonuniformity of the  
Flow Direction on Resonance Vibrations of Com-  
pressor Rotor Blades, by V. A. Kulagina.  
RUSSIAN, per, Lopatochnye Mashiny i Strainye  
Apparaty, No 5, 1971, pp 96-107.  
NASA TT F-14,107

Mar 72

*Bladed machines and ejectors. (Chapters 1-5). 115 pp.*  
LOPATOCHNYYE MASHINY I STRUYNYYE APPARATY, No 5, 1971,  
pp 175-261  
*AIR/FTD-MT-24-1668-72*

*mar 73*

REQ TR CHECK

14-03-73

T357

RESEARCH OF SOME UNSTEADY PHENOMENA IN  
CENTRIFUGAL PUMPS

SAZONOV, A A

UR: LOPATOCHNYYE MASHINY I STRUYNYYE  
APPARATY, 1972, NO. 6, pp. 151-162

*Process in air*

MT 73-24-0359

*Weg  
28 MAR 73*

Smirnov, Yu. A.      1971  
Salmon of Lake Onega (losos' Onezhskogo ozera. Biologiya,  
vosproizvodstvo, 1961'govaniia)  
Izd. "Nauka," Leningrad, 1969.      in Russian.

Transl. by Transl. Ser., Egt. Lang. Div., Dept. of State of  
Canada, for Dept. of Environ., FRO Biological Sta., Nanaimo,  
B.C., Biological Sta., St. Andrews, N.S., and Biological  
Station, St. John's Pld., 1972. as Transl. Series No. 2137,  
1959., typescript.

Avail. on Loan -      , Wash., D.C.

Original Article Checked  MF

Loessial Rocks of the European Part of the USSR,  
by M. P. Lysenko.  
RUSSIAN, bk, Lossovye Porody Evropeiskoi Chasti SSSR,  
1967.  
\*NTIS TT 71-50088

July 71



Agency: AEC/Tenn.

1-147864-0

P.O. Number: DMI-72-50

3 May 1972

Title: LUCHEVAYA BOLEZNI' CHELOVEKA.

(Radiation Sickness in Man).

Authors: A.K. Gus'kova and G.D. Brinagolov

Source: Absoul, Izdatel'stvo Meditsina,  
1971. 2pp.

Language: Russian

Special Instructions: Please translate and  
type one copy only. Single space. All Paste-up

Camera ready Copy.

Agency: AFB  
S.C. No. A-0112

R-13259-B  
22 May 77

Title: A. KRATKOV  
Author: LOCH  
Source: ~~SECRET~~ BY NIKOLA [unclear] [unclear] Pg. 4

Language: Russian

Instructions: Please translate and type on 8 1/2 x 11/  
plain bond, single-spaced. Translation page No. should  
be entered at bottom of page in the center. Comments  
may be cut.

Radiative Heat Exchange in the Presence of Clouds, by  
Ye. M. Feigelson.  
RUSSIAN, bk, Luchistyj Teploobmen i Oblaka, 1970.  
\*NTIS TT 72-50038

Mar 72

Luminescence Cytochemistry of Nucleic Acids, by  
A. V. Zelenin.  
RUSSIAN, bk, Luminestsentnaya Tsitokhimiya Nuk-  
leinovykh Kislot, 1967.  
Plenum Press

Sci/Chemistry  
Nov 67

332,160

V. P. Denisov

*The Moon and the Planets. 40 pp.*  
LUNA I PLANETY (KOSMICHESKAYA PROGRAMMA).  
NOVOYE V ZHIZNI, NAUKE, TEKHNIKE, SERIYA "KOSMONAVTIKA,  
ASTRONOMIYA", No 10, 1971  
NASA TT F-767

mir 73

Lunar Soil From Mare Fecunditatis. (Collection of  
Papers).  
RUSSIAN, bk, Lunnyi Grunt Iz Morya Izobiliya, 1973.  
\*IPST

Jan '73

STRUCTURE AND OPTICAL PROPERTIES OF THE  
 FILMS OF THE HETERO- SYSTEM  
 EILENIKY, B.F.; GERASIMCHUK, R.V.; PASHKOV-  
 SKIY, M.B.; SAVITSKIY, V.G.; PTLATKOVA, A.K.  
 UR: L'YOVSKII OCHUDARSTVENNYI UNIVERSITET,  
 L'YOV, UKRAINIAN SSR, 1970, pp. 2-3.

*Process in a*  
 HT 72-23-1829

Investigations of a Polydenum-Nickel-Silicon  
( $\alpha$ -Ni-Si) System, by R. V. Skolozdra,

Ye. T. Gladishovskiy. 6 pp.

UNIV. of Lviv, Univ. Universitet. Visnyk.  
seriya Khim. nauk, No 9, 1967, pp 21-24.

AL/PHE/M-23-522-69

Sci/ Chem. E.  
1970

404,376



Stress Condition of an Open Thinwalled Member, Which  
Is Made Up of Plates and Covers, by N. P. Flayshman,  
Yu. H. Rozental', 15 pp.

RUSSIAN, per, Lvov. Universytet. Visnyk. Seriya  
Mekhaniko-Matematychna, No 1, 1965, pp 76-88.

AIR/FTD/HT-23-323-69

Sci-Phys  
Jul 70

Luminescence and Nonlinear Optics; Proceedings of  
the P. N. Lebedev Physics Institute, Vol 59.  
approx 400 pp.

RUSSIAN, bk, Lyuminestsentsiya i Nelineynaya  
Optika. Trudy Fizicheskogo Instituta im P. N.  
Lebedeva. 1959.  
Plenum Publishing.

sci/phy  
jan 71

The Magnetism of Microparticles, by S. V. Vonsovskiy.  
RUSSIAN, bk, Magnetizm Mikrochastits, 1973.  
\*IPST

Jan 73

Magnesides, by G. V. Samsonov, V. P. Perminov.  
approx 480 pp.  
RUSSIAN, bk, Magnichy, 1971.  
Plenum Press

oct 70

Anything Beginning with Mag~~MIT~~.....Stop Go to Next  
Word

REQ TR CHECK

26-9-6

DGT8

MAGNITOGIDRO DINAMICHESKIY METOD POLUCHENIYA  
ELEKTROENERGII

KIRILLINA V A and SHEYNDLINA A YE

UR: Publisher ENERGIYA. PP 1-479, 1968

*Process in as*

*MT 72-24-1737*

*Negative  
17 Oct 72*

Possible Criteria for Evaluating the Information Reliability of Magnetic Storage Devices,  
by Ye. Balashev, P. Genkin.

RUSSIAN, per. Magnitnyye Elementy Vychislitel'noy  
Tekhniki, Pt 2, 1966, pp 164-169.

WPTD-RT-24-21-68

Sci-Elec  
Feb 68

Study of a Model of an MHD Generator Using an Argon-  
Potassium Plasma, by N. M. Maslennikov,  
V. N. Germanyak,, 11 pp.  
RUSSIAN, rpt, Magnitogidrodin Metod Polucheniya  
Elektroenergii.  
ARM/FSTC/ITP-23-785-71

Sept 71



MHD Methods of Obtaining Electrical Energy. 6 pp.  
RUSSIAN, rpt, Magnitogidrodinamicheskiy Metod  
Polucheniya Elektroenergii, 1968, pp 2-6.  
AIR/PTD/MT-24-294-69

Sci-Elec  
June 70

On the Problem of Constructing Superconducting  
Magnetic Systems for MID-Generators, by V. V. Sychev,  
V. V. Andryanov. 26 pp.

RUSSIAN, rpt, Magnitogidrodinamicheskiy Metod  
Polucheniya Elektroenergiy, 1968, pp 77-100.

AIR/FTD/MT-24-356-69

Sci-Eelec  
Jul 70

Theory of Non-equilibrium Low-temperature  
Plasma, by L. M. Biberman. 50 pp.

RUSSIAN, bk, Magnitogidrodinamicheskiy  
Metod Polucheniya Elektroenergii, 1968,  
pp 209-263.

NASA TT F-12,426

X-7 79

Sci-Phys

Dec 69

398,495

Stationary Flow of a Conducting Fluid in the  
channel of an ED generator taking into account  
the inductance of the external circuit, by

A. I. Gvozdnov. 8 pp.

RUSSIA, not, izvestiya akademicheskoy  
volucheniya elektromagnitn., 1968, no. 10, 373-377

ADP/AD/AT-23-641-69

568 3/22

sci/energy conv  
av/70

The Thermodynamics of Multistage Cycles of  
MHD Installations with Heat Regeneration, by  
E. E. Shpil'rayn, 10 pp.  
RUSSIAN, bk, Magnitogidro-Dinamicheskiy Metod  
Polucheniya Elektrogenarii, Moscow, 1968,  
pp 421-433.  
JPRS 46,752

Sci/Phys  
Nov 68

370,194

Experimental Study of an Injector Model to be  
Used as Accelerating Device in MHD Installations,  
by M. E. Deych, 11 pp.  
RUSSIAN, bk, Magnitogidro-Dinamicheskiy Metod  
Polucheniya Elektroenergii, Moscow, 1968,  
pp 433-444.  
JPRS 46,752

Sci/Phys

On Determining the Local Parameters of the  
Flow in the Mixing Chamber of an Accelerating  
Device, by E. E. Shpil'rayn, 12 pp.  
RUSSIAN, bk. Magnitogidro-Dinamicheskiy Metod  
Polucheniya Elektromergii, Moscow, 1968,  
pp 444-455.  
JPRS 46,752

Sci/Phys  
Nov 68

370,196

Methodology for Computing the Simplest  
Injector, by M. M. Ieych, 11 pp.  
RUSSIAN, bk, Magnitogidro-Dinamicheskii Metod  
Polucheniya Elektroenergii, Moscow, 1968,  
pp 456-467,  
JPRS 46,752

*M. M. Ieych*

Sci/Phys  
Nov 68

370,197



Evaluating the Effectiveness of Liquid-Metal  
MHD Installations in the Presence of Dis-  
continuities of Injector Operation in the  
Mixing Chamber of the Accelerator, by  
V. F. Stepanchuk, G. V. Tsiklauri, 9 pp.  
RUSSIAN, bk. Magnitohydro-Dinamicheskiy Metod  
Polucheniya Elektroenergii, Moscow, 1968,  
pp 468-476.  
JPRS 46,752

Sci/Phys  
Nov 68

370,198

Magnitnaya Gidrodinamika, will be done Cover-to-Cover  
by Plenum Press Instead of Faraday Press.

Nov 71

MAGNITNAYA GIDRODINAMIKA  
(Magnetohydrodynamics - quarterly)  
Translation begins with 1965,  
Vol. 1, No. 1  
Order from: The Paraday Press, Inc.  
84 Fifth Avenue  
New York, N.Y. 10011  
1971: \$ 100.00/year USA and Canada  
\$ 105.00/year elsewhere  
\$ 40.00 single issues  
Price of back volumes: \$ 100.00/year

Magnitnaya Gidrodinamika, Vol I, No 1, Jan-Mar,  
1965

Full tr by Faraday Press, Inc.

Available At LY Serials

Apr 67 pp 73-79 nasa TTF-9452  
pp 154-156 JPRS 30,926 G-77

4(JPRS 54881)    3USE OF A HIGHLY IONIZED PLASMA  
FOR CREATION OF A LASER.    6Gudzenko, I. I.; Kolesnikov,  
V. N.; Sobolev, N. N.; Shelepin, I. A.    10Translated from 15Magd.  
Gidrodin.; No. 3, 54-6 (Jul-Sep 1965).    204p.    24NTIS.

25Physics (plasma); translations    27201

28MN-34    29NP    NSA

Approximate Method of Building Up Magneto-  
gasdynamic Flows in Channels, by  
V. Ye. Kozyrenko.  
RUSSIAN, per, Magnitnaya Gidrodinamika,  
No 1, 1966, pp 17-24.  
FTD-S-~~256~~ 176 68

Jan 69

3724,165

Electromagnetic Pump Based on the Pinch Effect,  
by O. M. Mironov.  
RUSSIAN, par, Magnitnaya Gidrodinamika, No 1,  
1966, pp 132-136.  
UKAEA (Loan Only)  
Risley Tr 1277  
NLL, Boston Spa,  
Yorkshire, England 331,058

Sci -  
Aug 67

Flow of a Conductive Gas in an Annular Channel in  
the Presence of an Axial Magnetic Field, by  
G. P. Dikiy.

RUSSIAN, per, Magnitnaya Gidrodinamika, No 2,  
1966, pp 32-38.

FTD-S-171 755 628

Nov 68

354,117



Experimental Investigation of the Hall Effect in  
Low-Temperature Plasma in Sign Changing Conditions  
of the Magnetic Field, by K. I. Kim.  
RUSSIAN, per, Magnitnaya Godrodinamika, No 2, 1966,  
pp 39-46.  
FTD-S-145 75-1-68

Nov 68

354,113

Distribution of a Potential at the Flow of  
Ionized Gas in a Channel, by V. A. Golodnyak,  
L. Yu. Ustimenko.

RUSSIAN, per, Magnitnaya Gidrodinamika,  
No 2, 1966, pp 47-53.

FTD-S-~~268~~ 758 65

Jan 69

374,169

Crises in MGD Generators, by A. S. Pleshanov,  
RUSSIAN, per, Magnitnaya Gidrodinamika, No 2,  
1966, pp 54-56.  
FTD-S-142 /S/ 68

Nov 68

354,116

Thermal Cycle of a Magneto-Gasdynamics Generator  
and Optimum Resistance of the External Load, by  
O. Ye. Pushkarev.  
RUSSIAN, per, Magnitnaya Gidrodinamika, No 2, 1966,  
pp 57-60.  
FTD-S-174 28 2-68

Oscillations of a Conducting Droplet in a  
Magnetic Field, by A. Gailitis.  
RUSSIAN, per, Magnitnaya Gidrodinamika, No 2,  
1966, pp 79-90.  
NTC-71-14847-20I

Feb 72

Small Oscillations of a Viscous Liquid-Metal  
Droplet in the Presence of a Magnetic Field,  
by A. P. Zambran.  
RUSSIAN, per, Magnitnaya Gidrodinamika, No 2,  
1966, pp 91-95.  
NTC-71-14848-201

*Magnitnaya Gidrodinamika*

Feb 72

Effect of Relative Roughness on a Magneto-hydro-  
dynamic Flow in Rectangular Tubes, by R. K. Dukure.  
RUSSIAN, per, Magnitnaya Gidrodinamika, No 2,  
1966, pp 109-115.  
FTD-S-178 /d G C d

Nov 68

354,110

Calculation of a Symmetrical Inductor with a multi-  
pole Field, by A. A. Fomin.

RUSSIAN, per, Zagnitnaya Gidrodinamika, no 2, 1966,  
pp 123-129.

FTD-S-241 187-68

Jan 69

373,536



Development of a Magnetohydrodynamic Boundary Layer  
on a Rapidly Moving Body, by A. G. Shtern.  
RUSSIAN, per, Magnitnaya Gidrodinamika, No 2, 1966,  
pp 153-155.

FTD-S-~~176~~ 708 68

Nov 68

354,112

Turbulent Magneto-hydrodynamic Flows in Prismatic and Cylindrical Pipes, by G. G. Branover, et al.

RUSSIAN, per, Magnitnaya Gidrodinamika, No 3, 1966, pp 3-21.  
NASA TT F-482

Sci-Phys  
Aug 67

338m700

Circular Electrodynamics Flow with a  
Hall Effect in an Axial Magnetic Field,  
by A. I. Bertinov.  
Doklady, ISSL, Nauchnaya Otdeleniya,  
No 3, 1966, p. 49-50.  
Sov. IT 7-10, 1966.

sci - phys  
May 67

524,171

Modern Perspectives of Magnetohydrodynamic Trans-  
formation of Energy in a Closed Cycle, by Z. Kruatoryu.  
RUSSIAN, per, Magnitnaya Gidrodinamika, No 4, 1966,  
pp 3-10.

FTD-S-167-280-68

Nov 68

354,085

Quasi-Hydrodynamic Approach to the Problem of Super-  
sonic Plasma Flow Near a Magnetic Dipole, by  
M. V. Samokhin, 10 pp.  
RUSSIAN, rpt, Magn Gidrodin, No 4, 1966, pp 19-25.  
NASA TT F 12600

*[Faint, illegible text]*

Nov 71

About Optimum Magnetohydrodynamic Generators,  
by I. I. Shakhnov, V. T. Shcherbakov.  
RUSSIAN, per, Magnitnaya Gidrodinamika,  
No 4, 1966, pp 49-54.  
FTD-S-~~259~~ 735 (S)

Jan 69

374,168

Calculation of Magneto-hydro-dynamic Flow in a  
duct with Ionized Electrodes, by  
V. A. Kaydalov, Ye. I. Khanzina, et al. 12 pp.  
RUSSIAN, per, Izvestiya Gidrodinamika, No 4,  
1966, pp 55-61.  
AIR/MD/EE-24-65-68

sci/physics  
FEB 69

375,578