

On Cylindrical Electric Arc Theory Taking Into  
Account Energy Transfer by Radiation, by  
V.N. Vetlutskiy, A. T. Orufriyev, et al. 21 pp.  
RUSSIAN, bk, Mezhdunarodnyy Simpozium po Svoystvam  
i Primeneniyu Nizkoteraturnoy Plazmy Pri XX.  
Mezhdunarodnom Kongresse po Teoreticheskoy i  
Prikladnoy Khimii, 1965, pp 1-28. P100188867  
FTD-MI-65-544

Sci/Physics  
Jul 67

331,362

Plasma Processes in Metallurgy and Processing of  
Materials, by N.N. Rykalin, I. D. Kulagin. 13 pp.  
RUSSIAN, bk, Mezhdunarodnyy Simpozium po Svoystvam i  
Primeneniyu Nizkotemperaturnoy Plazmy Pri  
XX. Mezhdunarodnom Kongresse po Teoreticheskoy  
i Prikladnoy Khimii, 1965, pp 1-12. P100188767  
FTD-MT-65-543

Sci/Physics  
Jul 67

331,363

Excited Particles and Their Role in Elementary Processes of Radiation Chemistry and Plasma Chemistry, by N. N. Tunitskiy, S. Ye. Kupriyanov, 12 pp.

RUSSIAN, rpt, Mezhdunarodnyy Simpozium po Svoystvam i Primeneniyu Nizkoterturnoy Plazmy Pri XX. Mezhdunarodnom Kongresse po Teoreticheskoy i Prikladnoy Khimii.

PI00327167

FTD-ME-65-541

Sci-Physics  
Dec 67

344,442

Synthesis of Acetylene in a Plasma Jet, by  
S. Mints, A. Shiman'ski, et al. 9 pp.  
RUSSIAN, bk, Mezhdunarodnyy Simpozium po Svoystvam  
i Primeneniyu Nizkoteraturnoy Plazmy Pri XX.  
Mezhdunarodnom Kongresse po Teoreticheskoy i  
Prikladnoy Khimii, 1965, pp 1-8. P100195667  
FTD-MI-65-540

Sci/Physics  
Jul 67

331,370

Application of Spectroscopic Methods for Diagnostics of Low Temperature Plasma, by

M. A. Yel'yashovich, L. I. Grechikhin, et al.  
9 pp.

RUSSIAN, bk, Mezhdunarodnyy Simpozium Po Svoystvam i Primeneniyu Nizkoterperaturnoy Plazmy Pri XX. Mezhdunarodnom Kongresse Po Teoreticheskoy i Prikladnoy Khimii, 1965, pp 1-8.

P100195467

FTD-MT-65-539

Sci/Physics

Jul 67

331,371

Peculiarities of Electrical Arcing in  
Plasmatrons and Dimensionless Numbers

by M. F. Zhukov.

RUSSIAN, rpt, Mezhdunarodnyy Simpozium po  
Svoystvam i Primeneniyu Nizkoteraturnoy  
Plazmy Pri XX. Mezhdunarodnom Kongresse Po  
Teoreticheskoy i Prikladnoy Khimii,

1965, pp 1-44.

#FTD-MI-65-532.

Sci-Phys  
Nov 65

Radiation Transfer in Spectral Lines,  
by L. M. Biberman, 17 pp.  
RUSSIAN, rpt, Mezhdunarodnyy Simpozium  
Po Svoystvam i Primeneniyu Niskotemperaturnoy  
Pisizny Pri XX Mezhdunarodnom Kongresse po  
Teoreticheskoy i Prikladnoy Khimii, 1965,  
pp 1-16. P100176667  
FTD MT 65-531

Nuc Sci  
Jun 67

327,317

Certain Characteristics of a High-Frequency Induction Gas Discharge and Peculiarities of its Application for Synthesis of Refractory Dielectric Crystals, by K. K. Voronin, Z. M. Gol'dfarb, et al. 13 pp.

RUSSIAN, bk, Mezhdunarodnyy Simpozium po Svoystvam i Primeneniyu Nizkotemperaturnoy Plazmy Pri XX. Mezhdunarodnom Kongresse po Teoreticheskoy i Prikladnoy Khimii, 1965, pp 1-12. P100189867  
FTD-MT-65-530

Sci/Physics  
Jul 67

531,359



Experimental Determination of Coefficient of  
Thermal Conductivity of a Cesium Plasma, by  
L. P. Zarkova, B. I. Stefanov. 15 pp.  
RUSSIAN, rpt, Mezhdunarodnyy Simpozium po Svoystvam i  
Primeneniyu Nizkoterturnoy Plazmy  
Pri XX. Mezhdunarodnom Kongresse po Teoreticheskoy  
i Prikladnoy Khimii. 1965, pp 1-16. P100195867  
FTD-Mt-65-529

Sci/Physics  
Jul 67

331,368

Dynamic Thermocouple for the Measurement  
of Plasma Temperatures up to 4000° C/  
by V. Bzhozovskiy, Sh. Sukever.

RUSSIAN, rpt, Mezhdunarodnyy Simpozium  
po Svoystvam i Primeneniyu Nizkotenpera-  
turnoy Plazmy Pri XX. Mezhdunarodnom  
Kongresse po Teoreticheskoy i Prikladnoy  
Khimii, 1965, pp 1-18.  
#PTD-WT-65-528

Sci - Phys  
Nov 65

Introduction of Plasma Technology in the Chemical  
and Metallurgical Industry, by V. Bzhozovskiy,  
Ya. Reda, et al. 19 pp.

RUSSIAN, bk, Mezhdunarodnyy Simpozium Po Svoystvam i Primeneniyu Nizkoteraturnoy Plazmy Pri XX. Mezhdunarodnom Kongresse Po Teoreticheskoy i Prikladnoy Khimii, 1965, pp 1-27.

P100195367

FTD-MT-65-527

Sci/Physics  
Jul 67

331,372

Thermodynamic and Gas-Dynamic Parameters of Low-Temperature Plasma, by T.V. Bazhenova, S.G. Zaytsov. 13 pp.

RUSSIAN, bk, Mezhdunarodnyy Simpozium po Svoystvam i Primeneniyu Nizkoterperaturnoy Plazmy Pri XX. Mezhdunarodnom Kongresse Po Teoreticheskoy i Prikladnoy Khimii, 1965, pp 1-12.

PI00195267

FTD-MT-65-526

Sci/Physics

Jul 67

331,373

Problems of the Investigation of Elementary  
Processes in Low Temperature Plasma, by V. N.  
Kondrat'yev, Ye. Ye. Nikitin, 33 pp.  
RUSSIAN, rpt, Mezhdunarodnyy Simposium po  
Svoystvam i Primeneniyu Nizkotemperaturnoy  
Plazmy Pri XX. Mezhdunarodnom Kongresse po  
Teoreticheskoy i Prikladnoy Khimii.  
P100302767  
FTD-MF-65-525

Sci-Chemistry  
Dec 67

344,413

Experimental Determination of Heat Conductivity  
of Argon Plasma, by Ye. I. Asinovskiy,  
A. V. Kirillin. 21 pp.  
RUSSIAN, mono, Mezhdunarodnyy Simpozium po  
Svoystvam i Primeneniyu Nizkoteraturnoy  
Plazmy, 1965, pp 1-23.  
AIR/FTD/AI-24-317-68

sci/physics  
may 69

381,214

Experimental Investigation of Ionized Gas Flow  
in Channels (SM-74/253), by Ye. I. Yantovskiy,  
17 pp.

RUSSIAN, bk, Mezhdunarodnyy Simpozium po Pro-  
izvodstvu Elektroenergii s Pomoshch'yu Mgd  
Generatorov. Zal'tsburg, Avstriya, 4-8 Iyulya  
1966 Goda, 1966, pp 1-16. F100193968-V  
FTD-INT-67-195

Sci/Phys  
Sept 68

364,891

Some Observations of Mercury Flow in a Trough  
in a Transverse Magnetic Field (SM-74/249), by  
L. A. Vullis, V. T. Yaglenko, 17 pp.

RUSSIAN, bk, Mezhdunarodnyy Simpozium po Pro-  
izvodstvu Elektroenergii s Pomoshch'yu Ngd  
Generatorov, Zal'tsburg, Avstriya, 4-8 Iyulya  
1966 Goda, 1966, pp 1-20. P100193968-V  
FTD-HT-67-195

Sci/Phys  
Sept 68

364,890



Spatial Effects in Mhd Channels with Segmented  
Electrodes (SM-74/248), by I. M. Tolmach, 14 pp.  
RUSSIAN, bk, Mezhdunarodnyy Simpozium po Pro-  
izvodstvu Elektroenergii s Pomoshch'yu Mgd  
Generatorov, Zal'tsburg, Avstriya, 4-8 Iyulya  
1966 Goda, 1966, pp 1-16. P100193968-V  
FTD-HT-67-195

Sci/Phys  
Sept 68

364,889

An Investigation of Ionization and Conductivity  
of Combustion Products in the Presence of Solid  
Particles with a Small Electron Work Function  
(SM-74/243), by E. P. Zimin, Z. G. Mikhnevich,  
12 pp.

RUSSIAN, bk, Mashdunarodnyy Simpozium po Pro-  
izvodstvu Elektroenergii a Pomoshch'yu Med  
Generatorov, Zal'tsburg, Avstriya, 4-8 Iyulya  
1966 Goda, 1966, pp 1-10. P100193968-V  
FTD-HT-67-195

Sci/Phys  
Sept 68

364,888

The Problem of Determining the Dimensions of an  
Mhd Channel (SM-74/242), by I. D. Urusov, 17 pp.  
RUSSIAN, bk, Mezhdunarodnyy Simpozium po Pro-  
izvodstvu Elektroenergii s Pomoshch'yu Mgd  
Generatorov. Zel'tsburg, Avstriya, 4-8 Iyulya  
1966 Goda, 1966, pp 1-20. P100193968-V  
FTD-HT-67-195

Sci/Phys  
Sept 68

364,887

Some Results Obtained by Study of Magnetohydrodynamic Energy Conversion (SM-74/241), by

K. V. Donskoy, I. B. Chelkarev, 16 pp.

RUSSIAN, bk, Mezhdunarodnyy Simpozium po Proizvodstvu Elektroenergii s Pomoshch'yu Mg  
Generatorov. Zal'tsburg, Avstriya, 4-8 Iyulya  
1966 Goda, 1966, 1-20. P100193968-V

FTD-HI-67-195

Sci/Phys  
Sept 68

364,886

On the Applicability of Electrodynamical Approximation in the Theory of Liquid Metal Mhd Energy Converters (SM-74/240), by Ya. Ya. Livalpoter, 12 pp.

RUSSIAN, bk, Mezhdunarodnyy Simpozium po Proizvodstvu Elektroenergii s Pomoshch'yu Mgd Generatorov. Zal'tsburg, Avstriya, 4-8 Iyulya 1966 Goda, 1966, pp 1-12. P100193968-V  
FTD-HT-67-195

Sci/Phys  
Sept 68

364,885

Electrical Arcs in Ionized and Non-Ionized Gas  
Streams (SM-74/238), by V. Yu. Baranov,  
I. A. Vasil'yeva, 12 pp.  
RUSSIAN, bk, Mezhdunarodnyy Simpozium po Pro-  
izvodstvu Elektroenergii s Pomoshch'yu Mgd  
Generatorov. Zal'tsburg, Avstriya, 4-8 Iyulya  
1966 Goda, 1966, pp 1-12. P100193968-V  
FTD-HT-67-195

Sci/Phys  
Sept 68

364,884

An Experimental Investigation of the Electrical Conductivity of Plasma in an Mhd Generator Model (SM-74/236), by N. M. Maslennikov, V. N. Germanyuk, 10 pp.

RUSSIAN, bk. Mezhdunarodnyy Simpozium po Proizvodstvu Elektroenergii s Pomoshch'yu Mhd Generatorov, Zal'tsburg, Avstriya, 4-8 Iyulya 1966 Goda, 1966, pp 1-12. P100193968-V  
PTD-HT-67-195

Sci/Phys  
Sept 68

364,883

Thermodynamic Characteristics of High Temperature  
Open Cycles (SM-74/235), by G. M. Shchegolev,  
10 pp.

RUSSIAN, bk, Mezhdunarodnyy Simpozium po Pro-  
izvodstvu Elektroenergii s Pomoshch'yu Mgd  
Generatorov. Zal'tsburg, Avstriya, 4-8 Iyulya  
1966 Goda, 1966, pp 1-10. P100193968-V  
FTD-HT-67-195

Sci/Phys  
Sept 68

364,882



A Mass-Spectrometric Study of Gaseous Compounds  
of Alkali Metals (SM-74/233), by A. V. Gusarov,  
L. N. Gorokhov, 11 pp.

RUSSIAN, bk, Mezhdunarodnyy Simpozium po Pro-  
izvodstvu Elektroenergii s Pomoshch'yu Med  
Generatorov. Zal'tsburg, Avstriya, 4-8 Iyulya  
1966 Goda, 1966, pp 1-8. P100193968-V  
FFD-HT-67-195

Sci/Phys  
Sept 68

364,881

Experimental Determination of the Thermal Conductivity of Refractory High-Alumina Concrete in the 200-1500°C Range (SM-74/232), by

V. Ya. Chakhovskoy, A. A. Kaulenas, 5 pp.

RUSSIAN, bk. Mezhdunarodnyy Simpozium po Pro-

izvodstvu Elektroenergii s Pomoshch'yu Mgd

Generatorov, Zal'tsburg, Avstriya, 4-8 Iyulya

1966 Goda, 1966, pp 1-4. F100193968-V

PTD-HT-67-195

Sci/Phys  
Sept 68

364,880

An Experimental Determination of Electrical  
Conductivity and Integral Hemispherical and  
Monochromatic ( $\lambda = 0.65\mu$ ) Emissivity of the  
Carbides of Niobium and Zirconium (SM-74/230),  
by V. A. Petrov, V. Ya. Chekhovskoy, 10 pp.  
RUSSIAN, bk, Mezhdunarodnyy Simpozium po Pro-  
izvodstvu Elektroenergii s Pomoshch'yu Mag  
Generatorov. Zal'tsburg, Avstriya, 4-8 Iyulya  
1966 Goda, 1966, pp 1-12. P100193968-V  
FTD-HT-67-195

Sci/Mat  
Sept 68

364,852

Transient Processes in Superconducting Magnetic  
Systems (SM-74/229), by V. V. Syohov,  
V. B. Zenkevich, 14 pp.  
RUSSIAN, bk, Mezhdunarodnyy Simpozium po Pro-  
izvodstvu Elektroenergii s Pomoshch'yu Mg  
Generatorov. Zel'tsburg, Avstriya, 4-8 Iyulya  
1966 Goda, 1966, pp 1-16. P100193968-V  
FTD-IR-67-195

Sci/Phys  
Sept 68

364,879

Reactions of Refractory Materials with the Gas  
Stream in the Mhd Generator Duct (SM-74/228),

by A. I. Rekov, A. I. Romanov, 8 pp.

RUSSIAN, bk, Mezhdunarodnyy Simpozium po Pro-  
izvodstvu Elektroenergii s Pomoshch'yu Mgd  
Generatorov. Zal'tsburg, Avstriya, 4-8 Iyulya  
1966 Goda, 1966, pp 1-6. P100193968-V  
FTD-HT-67-195

Sci/Phys  
Sept 68

364,878

Plasma Flow in the Duct of a "Series" Mhd Generator (SM-74/225), by V. I. Kovbasyuk, S. A. Medin, 8 pp.

RUSSIAN, bk, Mezhdunarodnyy Simpozium po Proizvodstvu Elektroenergii s Pomoshch'yu Mgd Generatorov. Zal'tsburg, Avstriya, 4-8 Iyulya 1966 Goda, 1966, pp 430-437. P100193968-V  
FTD-HT-67-195

Sci/Energy Conv (Non-prop)  
Sept 68

364,877

Experimental Study of the Total Hemispherical Emissivity, Electrical Conductivity and Coefficients of Thermal Conductivity of Several Refractory Metals in the 1300-3000°K Range (SM-74/224), by D. L. Timrot, V. E. Peletskiy, 8 pp.

RUSSIAN, bk. Mezhdunarodnyy Simpozium po Proizvodstvu Elektroenergii s Pomoshch'yu Mg i Generatorov. Zal'tsburg, Avstriya, 4-8 Iyulya 1966 Goda, 1966, pp 1-10. P100193968-V  
FTD-HT-67-195

Sci/Phys Sept 68

364,876

A Contribution to the Theory of Acoustic Stability  
of an Inhomogeneous Weakly Ionized Plasma  
(SM-74/223), by S. A. Triger, 6 pp.

RUSSIAN, bk, Mezhdunarodnyy Simpozium po Pro-  
izvodstvu Elektroenergii s Pomoshch'yu Las-  
Generatorov. Zal'tsburg, Avstriya, 4-8 Iyulya  
1966 Goda, 1966, pp 1-6. P100193968-V  
FTD-HT-67-195

Sci/Phys  
Sept 68

364,874



Certain Problems in the Operation of an Installation with Mhd Generator (SM-74/221), by V. A. Kirillin, A. Ye. Sheyndlin, 14 pp.

RUSSIAN, bk, Mezhdunarodnyy Simpozium po Proizvodstvu Elektroenergii s Pomoshch'yu Mgd Generatorov. Zal'tsburg, Avstriya, 4-8 Iyulya 1966 Goda, 1966, pp 1-14. P100193968-V  
FTD-HT-67-195

Sci/Energy Conv (Non-prop)  
Sept 68

364,875

Thermodynamics of a Two-Component Liquid Metal  
Mhd Power Plant with an Injector (SM-74/218),  
by K. A. Yakimovich, E. E. Shpil'rayn, 11 pp.  
RUSSIAN, bk, Mezhdunarodnyy Simpozium po Pro-  
izvodstvu Elektroenergii s Pomoshch'yu Mgd  
Generatorov. Zal'tsburg, Avstriya, 4-8 Iyulya  
1966 Goda, 1966, pp 1-12. P100193968-V  
FTD-HT-67-195

Sci/Energy Conv (Non-prop)  
Sept 68

364,873

Composition and Thermodynamic Properties of the  
Combustion Products of Natural Fuels with Ionizing  
Additives (SM-74/217), by V. S. Kungman,

L. V. Gurvich, 12 pp.

RUSSIAN, bk. Mezhdunarodnyy Simpozium po Pro-  
izvodstvu Elektroenergii s Pomoshch'yu Igd  
Generatorov, Zal'tsburg, Avstriya, 4-8 Iyulya  
1966 Goda, 1966, pp 1-12. P100193968-V

FTD-HT-67-195

Sci/Phys  
Sept 68

364,872

Some Results of Experiments with a 100-KW Mag  
Generator Model (SM-74/212), by M. S. Berger,  
V. V. Mikhin, 12 pp.  
RUSSIAN, bk, Mezhdunarodnyy Simpozium po Pro-  
izvodstvu Elektroenergii s Pomoshch'yu Mag  
Generatorov. Zal'tsburg, Avstriya, 4-8 Iyulya  
1966 Goda, 1966, 613-623. P100193968-V  
FTD-HT-67-195

Sci/Phys  
Sept 68

364,863

Electrical Parameters of a Synchronous Magneto-  
hydrodynamic Generator with Pulsating Electrical  
Conductivity of Medium (SM-74/210), by

L. G. Bezusyy, 11 pp.

RUSSIAN, bk, Mezhdunarodnyy Simpozium po Pro-  
izvodstvu Elektroenergii s Pomoshch'yu Mag-  
Generatorov. Zal'tsburg, Avstriya, 4-8 Iyulya  
1966 Goda, 1966, pp 1-10. P100193968-V  
ITD-IT-67-195

Sci/Phys  
Sept 68

364,871

Experimental Investigation of Volt-Ampere Characteristics of a Magnetohydrodynamic Channel with Different Electrodes (SM-74/209), by E. P. Strashinin, N. I. Mazur, 10 pp.  
RUSSIAN, bk, Mezhdunarodnyy Simpozium po Proizvodstvu Elektroenergii s Pomogch'yu Mag Generatorov. Zal'tsburg, Avstriya. 4-8 Iyulya 1966 Goda, 1966, pp 1-12. F100193968-V  
FTD-HT-67-195

Sci/Phys  
Sept 68

364,870

Experimental Investigation of the Magneto-hydro-  
dynamic Generator (SM-74/206), by  
E. P. Strashinin, N. I. Mazur, 12 pp.  
RUSSIAN, bk, Mezhdunarodnyy Simpozium po Pro-  
izvodstvu Elektroenergii s Pomoshch'yu Mgd  
Generatorov. Zal'tsburg, Avstriya, 4-8 Iyulya  
1966 Goda, 1966, pp 1-16. F100193968-V  
FTD-HP-67-195

Sci/Phys  
Sept 68

364,869

Boundary Layers in a Two-Temperature Plasma  
(SM-74/205), by V. V. Gegosov, 14 pp.  
RUSSIAN, bk, Mezhdunarodnyy Simpozium po Pro-  
izvodstvu Elektroenergii s Pomoshch'yu Nag  
Generatorov, Zal'tsburg, Avstriya, 4-8 Iyulya  
1966 Goda, 1966, pp 1-12. P100193968-V  
FTD-HT-67-195

Sci/Phys  
Sept 68

364,868



The Effect of the Output on the Thermal Efficiency  
in Electric Power Stations Using Mhd Generators  
(SM-74/204), by G. I. Rossiyskiy,

B. Ya. Shumyatskiy, 12 pp.

RUSSIAN, bk, Mezhdunarodnyy Simposium po Pro-  
izvodstvu Elektroenergii s Pomoshch'yu Mhd  
Generatorov, Zal'tsburg, Avstriya, 4-8 Iyulya  
1966 Goda, 1966, pp 1-16. P100193968-V  
FTD-HT-67-195

Sci/Energy Conv (Non-prop)  
Sept 68

364,867

Electromagnetic Phenomena in a Dense Plasma with  
Nonequilibrium Conductivity in a Variable Magnetic  
Field (SM-74/202), by K. I. Kim, 7 pp.

RUSSIAN, bk, Mezhdunarodnyy Simpozium po Pro-  
izvodstvu Elektroenergii s Pomoshch'yu Mgd  
Generatorov. Zal'tsburg, Avstriya, 4-8 Iyulya  
1966 Goda, 1966, pp 1-7. P100193968-V  
FTD-HT-67-195

Sci/Phys  
Sept 68

364,866

On the Effectiveness of Enriching Air with Oxygen  
in Installations with Mhd Generators (SM-74/201),  
by G. I. Rossiyovskiy, A. R. Monastyrskaya, 13 pp.  
RUSSIAN, bk, Mezhdunarodnyy Simpozium po Pro-  
izvodstvu Elektroenergii s Pomoshch'yu Mgd  
Generatorov, Zal'tsburg, Avstriya, 4-8 Iyulya  
1966 Goda, 1966, pp 1-16. P100193968-V  
FTD-HP-67-195

Sci/Phys  
Sept 68

364,865

Variation of the Electrical Conductivity of  
Vapor-Liquid Potassium Mixtures (SM-74/106),  
by P. L. Kirillov, V. I. Subbotin, 10 pp.  
RUSSIAN, bk, Mezhdunarodnyy Simpozium po Pro-  
izvodstvu Elektroenergii s Pomoshch'yu Mag-  
Generatorov. Zal'tsburg, Avstriya, 4-8 Iyulya  
1966 Goda, 1966, pp 1-12. P100193968-V  
FTD-HT-67-195

Sci/Phys  
Sept 68

364,864

Study of the Nonequilibrium Conductivity of a  
Plasma in an Mhd Generator (SM-74/104), by  
M. I. Afanas'yev, V. V. Pirogovskiy, 7 pp.  
RUSSIAN, bk, Mezhdunarodnyy Simpozium po Pro-  
izvodstvu Elektroenergii s Pomoshch'yu Mgd  
Generatorov. Zal'tsburg, Avstriya, 4-8 Iyula  
1966 Goda, 1966, pp 517-523. P100193968-V  
FFD-INT-67-195

Sci/Phys

Sent. 68

364.862

Development of the Flow of a Viscous Liquid with  
Anisotropic Conductivity in a Channel (SM-74/103),  
by V. V. Ereyn, A. V. Gubarov, 16 pp.  
RUSSIAN, bk, Mezhdunarodnyy Simpozium po Pro-  
izvodstvu Elektroenergii s Pomoshch'yu Npd  
Generatorov. Zal'tsburg, Avstriya, 4-8 iyula  
1966 Goda, 1966, pp 1-16. P100193968-V  
FTD-HT-67-195

Sci/Energy Conv (Non-prop)  
Sept 68

364,861

The Velocity of Ionization Waves in a Low Temperature Plasma (SM-74/97), by A. V. Nedospasov, 6 pp.

RUSSIAN, bk, Mezhdunarodnyy Simpozium po Proizvodstvu Elektroenergii s Pomoshch'yu Med Generatorov. Zal'tsburg, Avstriya, 4-8 Iyula 1966 Goda, 1966, pp 1-6. P100193968-V  
FTD-MF-67-195

Sci/Phys  
Sept 68

364,860

The Effective Conductivity of a Plasma in a  
Strong Magnetic Field (SM-74/94), by  
A. A. Vedenov, A. M. Dykha, 10 pp.  
RUSSIAN, bk, Mezhdunarodnyy Simpozium po Pro-  
izvodstvu Elektroenergii s Pomoshch'yu Mag-  
Generatorov. Zal'tsburg, Avstriya, 4-8 iyula  
1966 Goda, 1966, pp 1-10. P100193968-V  
FTD-HT-67-195

Sci/Phys  
Sept 68

364,859



An Experimental Investigation of Magnetohydrodynamic Flow of Liquid Metal in a Rectangular Channel with Conducting Walls (SM-74/93), by K. I. Dmitriyev, Yu. M. Mikhaylov, 12 pp. RUSSIAN, bk, Mezhdunarodnyy Simpozium po Proizvodstvu Elektroenergii s Pomoshch'yu Mgđ Generatorov. Zal'tsburg, Avstriya, 4-8 Iyula 1966 Goda, 1966, pp 1-12. P100193968-V  
FTD-HP-67-195

Sci/Energy Conv (Non-prop)

364,858

Sent 68

Study of Electrodes Made of Refractory Metals  
for Mhd Generators Utilizing Nonequilibrium  
Conductivity (SM-74/92), by V. T. Karpukhin,  
A. D. Muraychenko, 9 pp.

RUSSIAN, bk, Mezhdunarodnyy Simpozium po Proiz-  
vodstvu Elektroenergii s Pomoshch'yu Mgd  
Generatorov. Zal'tsburg, Avstriya, 4-8 Iyula  
1966 Goda, 1966, pp 1-8. P100193968-V  
FTD-HF-67-195

Sci/Energy Conv (Non-prop)  
Sept 68

364.857

Ionizational Instability and Turbulent Conductivity  
of Nonequilibrium Plasma (SM-74/88), by  
V. N. Mal'usov, V. V. Yeliseyev, 16 pp.  
RUSSIAN, bk, Mezhdunarodnyy Simpozium po Pro-  
izvodstvu Elektroenergii s Pomoshch'yu Mag-  
netronov. Zal'tsburg, Avstriya, 4-8 Iyulya  
1966 Goda, 1966, pp 1-16. P100193968-V  
FTD-HT-67-195

Sci/Phys  
Sept 68

364,856

A Method of Optimization of the Constant Current  
Current Electromagnet in an Mhd Generator  
(SM-74/83), by I. Shank, 18 pp.

RUSSIAN, bk, Mezhdunarodnyy Simpozium po Pro-  
izvodstvu Elektroenergi s Pomoshch'yu Mhd  
Generatorov. Zal'tsburg, Avstriya, 4-8 Iyulya  
1966 Goda, 1966, pp 1-20. P100193968-V  
FTD-HT-67-195

Sci/Phys  
Sept 68

364,855

Certain Problems of Heat-Engineering in Equip-  
ment for Open Cycle Hpd Generators (SM-74/82),  
by J. Schneller, J. Vampela, 15 pp.

RUSSIAN, bk, Mezhdunarodnyy Simpozium Po Pro-  
izvodstvu Elektroenergii s Pomoshch'yu Hgd  
Generatorov. Zait'sburg, Avstriya, 4-8 Iyulya  
1966 Goda, 1966, pp 1-16. P100193968-V

FTD-HT-67-195

Sci/Phys

Sent 68

364,854

Studies of Electrodes in an Mhd Generator  
(SM-74/62), by V. S. Ezhovskii, Yu. Fishlon,  
10 pp.

RUSSIAN, bk, Mezhdunarodnyy Simposium po Pro-  
izvodstvu Elektroenergii s Pomoshch'yu Mgd  
Generatorov, Zal'tsburg, Avstriya, 4-8 Iyulya  
1966 Goda, 1966, pp 1-16. P100193968-V  
FTD-HT-67-195

Sci/Mat  
Sept 68

364,853

Selection of the Optimum Mach Number for the  
Flow of a Nonuniform Helium-Cesium Plasma in an  
MHD-Generator Duct, by D. K. Burenkov,  
A. Ye. Morozov, et al. 10 pp.

FOR OFFICIAL USE ONLY. FOR INTERNAL USE WITHIN  
THE DEPARTMENT OF DEFENSE ONLY. NOT FOR RE-  
LEASIBILITY TO DEFENSE DOCUMENTATION CENTER.  
RUSSIAN, mono, Mezhdunarodnyy Simposium po  
Proizvodstvu Elektroenergii s Pomoshch'yu MGD  
Generatorov Salzburg, Austria, Vol 12, 1966,  
Vol 12, pp 1-12.

AIR/FTD/HT-23-108-69

sci/physics  
dec 69

398,379

Dynamics of Cellular Activity in Subcortical  
Structures of the Human Brain During Some  
Motor and Psychological Tests, by

A. I. Trekhachev,

RUSSIAN, rpt, Mezhdunarodnyi Simpozium Glibokie

Struktury Golovnoy Mozga Cheloveka v Norme

i Patologii, 1966, pp 157-160.

HEW NIH 3-33-67

Sci-566

Apr 67

324,721



Deep Structures for the Human Brain in Both  
Normal and Pathological States, by Lh. E. Kandyol.  
RUSSIAN, rpt, Mezhdunarodnyi Simposium Glubokie  
Struknury Golovnoho Mozga Cheloveka v Norme i  
Patologii, Moscow, 1966, pp 91-94.  
HEW NIH 2-23-67 (On Loan)

Sci/B&M  
Mar 67

320,638

RUSSIAN

SPRS - 57879  
9pp.

CEO: 01122/73 W  
5 Dec 72 SF

International symposium on boron:

Tbilisi, Mezhdunarodnyy simpozium po boru, 9-11 October 1972 (Abstract Nos. 16, 17, 18, 26, 27, 35, 37, 41, 44, 46, 47, 51, 53, and 60).

Please publish - refer to T/C for page correlations of abstract numbers.

CEMA Agricultural Uses of Electric and Thermal  
Energy, by G. Sheremetev, 13 pp.  
RUSSIAN, per, Mezhdunarodnyy Sel'skokhozyaystvennyy  
Zhurnal, Moscow, No. 12, Dec 1972, pp 82-86.  
JPRS 58109

Feb 73

Organization of Seed Growing for Grain Crops  
Described, by F. Zabanny, 11 pp.  
RUSSIAN, per. Mezhdunarodnyy Sel'skokhozyaystvennyy  
Zhurnal, Moscow, No 6, 1972, pp. 32-36.  
JPRS 58001

Jan 73

CEMA Cooperation in Seed Growing Develops, by  
B. Zenkovich, 8 pp.  
RUSSIAN, per, Mezhdunarodnyy Sel'sko-khozyaystvennyy  
Zhurnal, Moscow, No 6, Dec 1972, pp 29-32.  
JPRS 58074

Feb 73

Agriculture in the Economy of Soviet Republics  
Analyzed, by I. Suslov, 11 pp.  
RUSSIAN, per, Mezhdunarodnyy Sel'skokhozyaystvennyy  
Zhurnal, Moscow, No 6, 1972, pp 3-8.  
JPRS 58024

Jan 73

CEMA Secretariat Review Lists 1971 Accomplish-  
ments, by L. Lukin, 5 pp.

RUSSIAN, per. Mezhdunarodnyy Sel'skokhozyaystvennyy  
Zhurnal, Moscow, No 5, 1972, pp 110-111.

JPRS 57575

Dec 72

Development of CEMA Countries' Grain Production  
Considered, by V. Gurehanko, 8 pp.  
RUSSIAN, per, Mezhdunarodnyy Sel'skokhozyaystvennyy  
Zhurnal, Moscow, No 5, 1972, pp 12-15.  
JPRS 57575

Dec 72



CEMA Environmental Protection Measures Planned,  
by Z. Hoffmann, 8 pp.  
RUSSIAN, per, Mezhdunarodnyy Sel'skokhozyaystvennyy  
Zhurnal, Moscow, No 3, 1972, pp 102-104.  
JPRS 56744

Aug 72

Farm Output Forecasting Discussed, by  
R. Kravchenko, 8 pp.  
RUSSIAN, per, Mezhdunarodnyy Sel'skokhozyaystvennyy  
Zhurnal, Moscow, No 3, 1972, pp 18-22.  
JPRS 56744

Aug 72

CEMA Agricultural Development Results Reported,  
by Ya. Nad', S. Godlevski, 13 pp.  
RUSSIAN, per, Mezhdunarodnyy Sal'skokhoyaystvennyy  
Zhurnal, Moscow, No 3, 1972, pp 6-12.  
JPRS 56744

Aug 72

CEMA Working Groups on Agriculture Reviewed, by  
S. Zdravkov, 12 pp.  
RUSSIAN, per, Mezhdunarodnyy Sel'skokhozyaystvennyy  
Zhurnal, Moscow, No 2, 1972, p 105.  
JPRS 56007

May 72

Uniform Methods, Equipment for Vegetable Growing,  
by A. Angelov, 12 pp.

RUSSIAN, per, Mezhdunarodnyy Sel'skokhozyay-  
stvennyy Zhurnal, Moscow, No 1, 1972, pp 81-85.

JPRS 55672

Apr 72

Coordination of CEMA Veterinary Plans Viewed,  
by W. Heinicke, 5 pp.  
RUSSIAN, por, Mezhdunarodnyy Sel'skokhozyay-  
stvennyy Zhurnal, Moscow, No 1, 1972, pp 68-70.  
JPRS 55672

Apr 72

CEMA Grain Testing Results Reported, Analyzed,  
by V. Gurchenko, 13 pp.  
RUSSIAN, per, Mezhdunarodnyy Sel'skokhozyay-  
stvennyy Zhurnal, Moscow, No 1, 1972, pp 59-64.  
JPRS 55672

Apr 72

CEMA Plans for Agricultural Collaboration, by  
W. Misjuna, 15 pp.

RUSSIAN, per, Mezhdunarodnyy Sel'skokhozyay-  
stvennyy Zhurnal, Moscow, No 1, 1972, pp 29-34.  
JPRS 55672

Apr 72



CEMA Agricultural Research Programs Reviewed,  
by V. Pannikov, 15 pp.  
RUSSIAN, per, Mezhdunarodnyy Sel'skokhozyaystvennyy  
Zhurnal, Moscow, No 1, 1972, pp 23-29.  
JPRS 55672

Apr 72

Minister Discusses Socialist Agriculture, by  
V. Matskevich, 14 pp.

RUSSIAN, per, Mezhdunarodnyy Sel'skokhozyay-  
stvennyy Zhurnal, Moscow, No 1, 1972, pp 13-19.

JPRS 55630

Apr 72

Work of livestock fattening farms viewed, by  
N. Burlakov, 15 pp.  
RUSSIAN, per. Mezhimirodnyy Sel'skokhozyayst-  
vennyy Zhurnal, Moscow, No 5, 1971, pp 16-21.  
JPRS 54368

Nov 71

Agriculture and Industry Join to Form Complexes,  
by A. Orlov, 10 pp.  
RUSSIAN, per, Mezhdunarodny Sel'skokhozyay-  
stvennykh Zhurnal, Moscow, No 3, 1971, pp 8-12.  
JPRS 54613

Dec 71

CEMA Cooperates in Artificial Livestock  
Insemination, by Ye. Sen'ta, 5 pp.  
RUSSIAN, per. Nauchno-irochnyy Sel'skokhozyay-  
stvennyy Zhurnal, Moscow, No 4, 1971, pp 81-83.  
JPRS 54772

Jan 72

RUSSIAN

JPRS 58338

REC. 01431/73  
30 Jan 73

Development of the production and consumption of inorganic fertilizers in Poland and other member-countries of COMECON, by Z. Kasimierzak.

Moscow, Mezhdunarodnyy nauchnoissledovatel'skiy Zhurnal, No 4, 1971, pp 51-53.

Please publish.

Provide JPRS/Ad Rec with an advance copy please.

Hungary's Agricultural Integration in East Bloc  
Discussed, by A. Malasa, 11 pp.  
RUSSIAN, per. Mezhdunarodnyy Sel'skokhozyaystvennyy  
Zhurnal, Moscow, No 4, 1971, pp 25-30.  
JPRS 54722

Jan 72

East Bloc Agriculture Division of Labor Analyzed,  
by N. Lidshi, S. Atleh, 15 pp.  
RUSSIAN, per. ~~Mezhdunarodnyy Sel'skokhozyaystvennyy~~  
Zhurnal, Moscow, No 4, 1971, pp 18-24.  
JPRS 54722

Jan 72



USSR Agriculture in the Ninth Five-Year Plan.  
by V. Karlov, 18 pp.  
RUSSIAN. per. Mezhdunarodnyy Sel'skokhozyaystvennyy  
Zhurnal, Moscow, No 4, 1971, pp 7-14.  
JPRS 54453

Nov 71

CENA's Agricultural Coordinating Bodies Report  
Achievements, 10 pp.

RUSSIAN, par, ~~Механизация сельского хозяйства~~  
Zhurnal, Moscow, No 6, 1970, pp 103-105.  
JPRS 51206

Sci-Agri  
Feb 71

Production and Use of Inorganic Fertilizer  
in Poland and CEMA Countries, by Z. Kazimerchak  
10 pp.

RUSSIAN, per, Mezhdunarodnyy Sel'skokhozyay-  
stvennyy Zhurnal, Moscow, No 4, 1971,

pp 51-55.

JPRS 58338

Apr 73

Capitalist and Socialist Forecasting Contrasted,  
by V. Storozhev, 10 pp.

RUSSIAN, per, Mezhpromodnyy Sel'skokhozyaystvennyy  
Zhurnal, No 3, 1970, pp 15-18.

JPRS 51023

Sci-Agr  
Aug 70

Soviet Agricultural Forecasting Described, by  
N. Aleksandrov, 14 pp.  
RUSSIAN, per, ~~Highly~~ Highly Marochay Sel'skhozovaytstva,  
Zhurnal, Moscow, No 3, 1970, pp 9-14,  
JPRS 51023

Sci-Agri  
Aug 70

Conference on Progress in CEMA Forestry, by  
V. Zubarev, 5 pp.  
RUSSIAN, per, Mezhdunarodnyy Sel'skokhozyay-  
stvennyy Zhurnal, Moscow, No 6, 1969, pp 105-107.  
JPRS 50152

USSR  
Econ  
Apr 70

405,195

Cooperation in the Food Industry Discussed,  
by Z. Shterba, 8 pp,  
RUSSIAN, per, Mezhdunarodnyy Sel'skokhozyay-  
stvennyy Zhurnal, Moscow, No 6, 1969, pp 103-105.  
JPRS 50152

USSR  
Econ  
Apr 70

405,194

Intensification of Food Production Called For,  
by N. Logkiy, 13 pp.  
RUSSIAN, per, Mezhdunarodnyy Sel'skokhozyay-  
stvennyy Zhurnal, Moscow, No 5, 1969, pp 30-33.  
JPRS 49285

Sci-Agri  
Nov 69

396,386



CEMA Develops Principles on Broiler Production,  
by K. Panskikh, 10 pp.  
RUSSIAN, per, Mezhdunarodnyy Sel'skokhozyaystvennyy  
Zhurnal, Moscow, No 3, 1969, pp 90-94.  
JPRS 48498

Sci-Agri  
Aug 69

388,189

Agriculture in CEMA Countries Analyzed, 15 pp.  
RUSSIAN, per. Mezhdunarodnyy Sel'skokhozyaystvennyy  
Zhurnal, Moscow, No 3, 1969, pp 40-49.  
JPRS 48498

Sci-Agri  
Aug 69

388,188

CEMA Experts Review Rural Electrification,  
by Yu. Savenko, M. Samkov, 9 pp.  
RUSSIAN, par, Mezhdunarodnyy sel'skokhoz-  
yaystvennyy Zhurnal, Moscow, No 2, 1969,  
pp 98-103.  
JPRS 48175

USSR  
Econ  
Jul 69

384,815

Bulgarian Minister Reaffirms Support of CEMA,  
by Docent A. Pashev, 10 pp.

RUSSIAN, per, Mezhdunarodnyy gos'ekonomicheskoye  
vaystvovaniy Zhurnal, Moscow, No 2, 1969,  
pp 3-6.

JPRS 48175

USSR  
Econ  
Jul 69

384,814

Biological Pest Control Protects Plants, by  
A. Nikiforov, V. Sukhov, 9 pp.  
RUSSIAN, per. Mezhdunarodnyy Sel'skokhozyaystvennyy  
Zhurnal, Moscow, No 1, 1969, pp 63-67.  
JPRS 47749

Sci-B and M  
Apr 69

379,189

Mutually Beneficial Basis of CEMA Discussed,  
by I. Volovchenko, 12 pp.  
RUSSIAN, per, Mezhdunarodnyy gos<sup>o</sup>ekonomicheskoye  
svyaznoye zhurnal, Moscow, No 1, 1969, pp 13-18.  
JPRS 47983

USSR  
Econ  
May 69

381,953

Agricultural Cooperation within CEMA Fostered,  
by N. Palagachev, 9 pp.

RUSSIAN, per, Mezhdunarodnyy sel'skokhozyay-  
stvennyy zhurnal, Moscow, No 1, 1969, pp 9-13.  
JPRS 47983

USSR  
Econ  
May 69

381,952

New Relations Among Socialist Countries  
Detailed, by G. Emmerikh, 12 pp.  
RUSSIAN, per, Mezhdunarodnyy sel'skokhozyay-  
stvennyy zhurnal, Moscow, No 1, 1969, pp 3-9.  
JPRS 47983

USSR  
Econ  
May 69

381,951



GEMA Tests More Efficient Tractor-Drawn Plows,  
by E. Stepanyants, A. Shchetlov, 7 pp.  
RUSSIAN, per. Mezhdunarodnyy Sel'skokhozyaystvennyy  
Zhurnal, Moscow, No 6, 1968, pp 74-78.  
JPRS 47670

USSR  
Econ  
Apr 69

378,055

Specialization in Agriculture Discussed, by  
Norbert Chaki, 9 pp.  
RUSSIAN, per, Mezhdunarodnyy Sel'skokhozyaystvennyy  
Zhurnal, Moscow, No 6, 1968, pp 3-7.  
JPRS 47696

Sci-Agr  
Apr 69

378,987

Agricultural Displays at Exhibition Reviewed,  
by S. Skolkin, 8 pp.  
RUSSIAN, per, Mezhdunarodnyy Sel'skokhozyaystvennyy  
Zhurnal, Moscow, No 5, 1968, pp 103-105.  
JPRS 46,874

Sci/Agri

International Mineral Fertilizer  
Machines Tested, by E. Stepanyants,  
A. Shcheglov, 10 pp.  
RUSSIAN, per, Mezhdunarodnyy Sol'-  
skokhozyaystvennyy Zhurnal, Moscow,  
No 4, 1968, pp 99-103.  
JPRS 46527

Sci/Agri  
Oct 68

364,493