

Gas Turbine Production, Dec 1970, by
V. L. Polshchuk, U. M. Mandrov, 12 pp.
RUSSIAN, per, *Doklady Akad. Nauk SSSR*, Moscow, No 11,
1970, pp 2-5. *pp 2-5*
JPRS 51955

Sol. Energy Conv (non-prop)
Dec 70

Use of 100 Megawatt Nuclear Reactors Cited,
by P. S. Cherenyakov, A. P. Ushakov, 11 pp.
RUSSIAN, per, *Tekhnicheskaya*, Moscow, No 11,
1970, pp 6-10.
JPRS 51935

Sol. Energy Conv (non-prop)
Dec 70

Water Pump for Pressure-Cooling Reactor
in Atomic Powerplant, by L. I. Turetskiy,
8 pp.
RUSSIAN, per, Teploenergetika, Moscow,
No 12, 1970, pp 8-10.
JPRS 52386

Sci/Mech
Mar 71

Development of Power Engineering Discussed,
by A. I. Maksimov, 10 pp,
RUSSIAN, per, Toploenergetika, Moscow,
No 1, 1971, pp 2-4.
JPRS 52406

Sci/Energy Conver
Mar 71

Development of Fuel Technology Described,
by Yu. L. Marshak, 19 pp.
RUSSIAN, per, Teploenergetika, Moscow,
No 1, 1971, pp 5-11.
JPRS 52408

Sci/Energy Conver
Mar 71

Dissociable Nitrogen Tetraoxide as a Pressuring
Coolant and Working Medium for Nuclear Electric
Power Plants With Gas-Cooled Fast Reactors, by
V. D. Besterenko, 16 pp.
RUSSIAN, per. Toploenergetika, Moscow, No 1,
1971, pp 72-78.
JPRS 55103

Feb 72

Basic Technical Trends in Thermal Power
Engineering, by A. A. Troitskiy, I. A. Aleksayev,
8 pp.
RUSSIAN, per. Teplotoennergetika, Moscow, No 4, 1971,
pp 4-6.
JPRS 53243

June 71

Prospects of Soviet Atomic Electric Power, by
G. V. Yermakov, 12 pp.
RUSSIAN, par. Yenlomergotika, Moscow, No 4, 1971,
pp 6-11.
JPRS 53125

May 71

Developments in Turbines for Atomic Power, by
V. N. Savvin, Yu. F. Konyak, 19 pp.
RUSSIAN, per, Teplotekhnika, Moscow, No 4, 1971,
pp 15-23.
JPRS 53126

May 71

1971-1975 Growth of Electric Power Systems Outlined,
by B. P. Goncharov, 7 pp.
RUSSIAN, per, Topconeritelliga, Moscow, No 5, 1971,
pp 2-3.
JPRS 53258

June 71

RUSSIAN

Comp. 4
13 pp

CNO: 02532/72 W
4 May 1972 SP

Effect of heat treatment on the properties of parts
of EL765 alloy, by G. G. Morozova.

Moscow, Teploenergetika, No. 5, 1971, pp 63-67.

Ad Hoc
Special type B
Do not publish
Original plus 4 copies

Use of High-Power Units with Supercritical Parameters of Steam, by L. A. Trakhtsyn, 14 pp.
RUSSIAN, per. Teploenergetika, Moscow, No 6,
1971, pp 2-5.
JPRS 53472

July 71

Determination of the Limiting Capacity Evaporation
Channels of the Beloyarsk Nuclear Power Plant
Reactors, by V. N. Smolin, 15 pp.
RUSSIAN, per, Teplomergatila, Moscow, No 6, June
1971, pp 33-37.
JPRS 59492

July 71

Deich, M. E.

Experimental Investigation of the Effect of Leakage
Through the Root Clearance on Stage Efficiency.
TEPLOENERGETIKA, Vol 18, No. 6, pp 72-74, 1971.
NTC-14847-10B

Feb 73

Power Minister Speaks on World Power Problems,
by P. S. Neporentzkiy, 11 pp.
RUSSIAN, post, Atomenergobiznes, Moscow, No 7,
1971, pp 2-4,
JPRS 53105

Oct 71

Advances in Boiler Designing Described, by
L. A. Gudkovich, 13 pp.
RUSSIAN, par, Teplotekhnika, Moscow, No 7,
1971, pp 8-13.
JPRS 54105

Oct 71

Advances in Power Plant Automation Outlined, by
V. D. Mironov, P. Ye. Doloban, 11 pp.
RUSSIAN, per, Teplotekhnika, Moscow, No 7,
1971, pp 14-18.
JPRS 54105

Oct 71

Progress, Problems in Urban Central Heating, by
Ye. Ya. Sokolov, N. M. Zinger, 13 pp.
RUSSIAN, par, Teplotekhnika, Moscow, No 7, 1971.
pp 15-40.
JPRS 54305

Oct 71

Reliance Valve for Protecting Hermetically Sealed
Areas of Atomic Power Stations, by

B. K. Mal'tsev, Ya. V. Rzhemnikov, 7 pp.

RUSSIAN, por. Teploenergetika, Moscow, No 8,
1971, pp 62-65.

JPRS 54787

NTC 72-12472-18F

Jan 72

On the Problem of Determining the Height of Multi-
flue Smoke Stacks, by L. A. Mikhtar, 8 pp.
RUSSIAN, per, Teploenergetika, Moscow, No 6,
1971, pp 76-78.
JPRS 54786

Jan 72

Scientific, Engineering Problems in Introducing
District Heating Systems, by Ye. Ya. Sokolov,
14 pp.
RUSSIAN, per, Teplo-Energetika, Moscow, No 10,
Oct 1971, pp 2-6.
JPRS 54490

Nov 71

Modernization of Thermal Power Plant Equipment,
by V. I. Kizlyy, A. I. Gul'kevich, 14 pp.
RUSSIAN, per, Toplo Energetika, Moscow, No 11,
Nov 1971, pp 2-7.
JPRS 54339

Jan 72

Status, Prospects of Thermal Power in USSR
Outlined, by V. Ye. Doroshchuk,
S. G. Akhitarian, 11 pp.
RUSSIAN, per, Tepla Energetika, Moscow, No 12,
1971, pp 2-5.
JPRS 55140

Feb 72

Status, Prospects for Ukrainian SSR Power
Industry Reviewed, by K. M. Pobegaylo,
G. A. Klimentko, 11 pp.
RUSSIAN, par. Toploenergetika, Moscow, No 12,
Dec 1971, pp 5-8.
JPRS 55160

Feb 72

USSR Power Engineering in First Year of Ninth
Five-Year Plan, by Ye. I. Borisov, 13 pp.
RUSSIAN, per, Teploenergetika, Moscow, No 1,
Jan 1972, pp 4-7.
JPRS 55295

Mar 72

RUSSIAN

JPRS 55703

CSO: 01539/72 W
20 Jan. 1972 SF

Dissociated Nitrogen Tetroxide - Perspective Coolant
and Working Substance of Atomic Power Stations With
Gas-Cooled Fast Neutron Reactors - portion of page 6
same source, by V. B. Nesterenko. *167p*

Moscow, Teplotenergika, No. 1, 1972, pp 72-78, pp 6.

Please publish and make reproductions, document
may be clipped. Requested portion of page 6 should
be treated as a SPECIAL, not to be included in
report.

Steam Parameters for Atomic Electric Stations
With Water Cooled Reactors, by Ye. P. Kunegin,
9 pp.
RUSSIAN, per, Teploenergetika, Moscow, No. 3,
1972, pp 2-4.
JPRS 56318

July 72

Improving the Thermal Circuitry of Single-Loop
Electric Power Stations With Channel-Type Reactors,
by G. N. Morozov, 11 pp.
RUSSIAN, per, Teploenergetika, Moscow, No 3, 1972,
pp 4-8.
JPRS 56318

July 72

Purification of Condensate with Separately
Functioning Ion-Exchanger Filters at the VK-50
Atomic Electric Power Plant, by A. M. Nudel',
P. F. Neshkov, 6 pp.
RUSSIAN, per, Teploenergetika, Moscow, No 3, May
1972, pp 13-15.
JPRS 56288

June 72

Planning Atomic Electric Power Stations With Steam-Cooled Reactors, by D. D. Kalafati, 14 pp.
RUSSIAN, per, Teplenergetika, Moscow, No 3, 1972,
pp 88-92.
JPRS 56318

July 72

Continued Use of Stations Supplying Both Heat and
Power Seen, by V. P. Korytnikov, M. E. Plk, 12 pp.
RUSSIAN, per, Teplo Energetika, Moscow, No 4,
Apr 1972, pp 2-5.
JPRS 56258

June 72

Problems in Centralized Heat Supply From Atomic
Heat and Power Centers, by V. S. Danin, 10 pp.
RUSSIAN, per, Toploenergetika, Moscow, No 9,
Sept 1972, pp 69-73.
JPRS 57929

Jan 73

General Development of Power System Reviewed,
by A. A. Beschinskiy, 15 pp.
RUSSIAN, par, Teploenergetika, Moscow, No 12,
Dec 1972, pp 2-9.
JPRS 58108

Feb 73

Development of Central Heating Systems in
Belorussia, by L. V. Cherepko, P. N. Knot'ko,
10 pp.
RUSSIAN, per, Teploenergetika, Moscow, No 12,
Dec 1972, pp 9-13.
JPRS 58108

Feb 73

Thermal Power Engineering of the Estonian SSR,
by E. A. Aman, 9 pp.
RUSSIAN, per, Teplotengetika, Moscow, No 12,
Dec 1972, pp 14-17.
JERS 58108

Feb73

The Power Engineering of the Lithuanian SSR,
by V. I. Grigaravichus, 6 pp.
RUSSIAN, par, Teploenergetika, No 12, Dec 1972,
pp 18-19.
JPRS 58108

Feb 73

Centralized Heat Supply in Latvian SSR, by
K. K. Ketner, A. D. Kozlov, 7 pp.
RUSSIAN, per, Teplenergetika, Moscow, No 12,
Dec 1972, pp 20-22.
JPRS 58108

Feb 73

Donbass Poster, by Yu. V. Shabanov,
A. V. Gritsenko, 12 pp.
RUSSIAN, per, Teploenergetika, Moscow, No 12,
Dec 1972, pp 28-32.
JPRS 58085

Feb 73

Sverdlovsk Energy System on the 50th Anniversary
of the USSR's Formation, by V. P. Trachuk,
Ye. N. Krivoshekov, 11 pp.
RUSSIAN, par, Teploenergetika, Moscow, Dec 1972,
pp 32-36.
JPRS 58108

Feb 73

Minister Surveys Soviet Thermal Power Engineering,
by P. S. Neporozhniy, 9 pp.
RUSSIAN, per, Teploenergetika, Moscow, No 1, Jan
1973, pp 2-4.
JPRS 58439

Mar 73

Collants for Nuclear Power Engineering
Installations, by Sergey Arkhipovich Ulybin,
300 pp.

RUSSIAN, bk. Teplonositeli energeticheskikh
yadernykh ustanovok, 1966, pp. 2-272.

JPRS 38717

Sept 77 Rang 5-401 ONI L 2406 100 pp

USSR

Sci-Nuclear Sci

Dec 66

314,962

Thermophysical Properties of Gases and
Liquids, by V.A. Rabinovich, 207 pp.
RUSSIAN, bk, Teplofizicheskie Kharakter-
istiki Veshchestv, No. 1, 1968.
CFSTI TF 69-55091

Sci/b&m
May 70

The Thermodynamic Properties of Solid
Mercury at Temperature Intervals of 0 deg
K to Melting Point at Normal Pressure,
M. P. Vukalovich, L. R. Fokin
RUSSIAN, bk, Teplofizicheskiye
Kharakteristiki Veshchestv, Issue No. 1 1968.
CIA X-7089

Sept 69

391,327

Thermophysical Properties of Freon-22, by
A. V. Kletskiy, 67 pp.
RUSSIAN, bk, Teplofizicheskiy Svoistva Freona-22, 1970.
NTIS TT 70-50178

July 71

Thermophysical Properties of Gaseous and Liquid
Methane, by V. A. Zagoruchenko, A. M. Zhuravlev,
243 pp.

RUSSIAN, bk, Teplofizicheskiye Svoistva Gazobraz-
nogo i Zhidkogo Metana, 1969.

NTIS TT 70-50097

Sci/Chem
Feb 71

Thermophysical properties of gases (selected articles)
181 pp

RUSSIAN, per, Teplotfizicheskiye Svoystva gazov,
1970, pp 9-13, 24-25, 31-50, 60-63, 67-70, 141-151,
153-156.

AIR/FTD-MT-24-113-71

CIA X-7458 to CIA only too large to xerox for anyone
else

Origina copy also in X file

apr 72

P. M. Kessel'man

The possibility of developing a generalized method for calculating viscosity of substances in the gaseous and liquid phases, with inclusion of the saturation line.

6 pp.

RUSSIAN, Teplofizicheskiye Svoystva Gazov, 1970,

pp 63-68

AIR/FTD-HT-23-885-72

oct 72

A. A. Antanovich

Apparatus used for the experimental study of the
Thermodynamic properties of gases at pressures of up
to 10-12 kilobars and at temperatures up to 3000°K.

6 pp.

RUSSIAN, Teplofizicheskiye svoystva gazov, 1970,
pp 156-159.

AIR/ED

AIR/FTD-HT-23-1266-72

nov 72

S. V. Rode

*Measuring the electron temperature by a probe procedure
in glow-discharge plasma of nitrogen and air under
average pressures. 5 pp.*

*RUSSIAN, Teplofizicheskiye Svoystva Nizkotemperaturnoy
Plazmy, 1970, pp 7-10*

AIR/FTD-HT-23-888-72

jan 73

REQ TR CHECK

5-7-9

TFT9

SPECTROSCOPIC AND PROBE INVESTIGATIONS OF
LOW PRESSURE JETS

GARKUSHA, I.P., POLYAKOV, S.P., TVERDOKHLE-
BOV, V.I.

UR-TEPLOFIZ. SVOYSTVA NIZKOTEMPERATURN.
PLAZMY. MOSCOW, "NAUKA", 1970, pp 125-128

Process in as

HT72-23-1528

*reg
22 Aug 72*

Thermophysical Properties of Polymers, by
L. N. Novichenko, Z. P. Shul'man. approx 160 pp
RUSSIAN, bk, Teplofizicheskie Svoistva Polimerov,
1971.
Plenum Press

oct 70

REQ. TR. CHECK

20-7-29

TM87

HEAT CAPACITIES OF C SUBRHO OF LIGHT
PHASE FREON-21 AND FREON-113
SATURATION LINE

LAVROV V A

UR: TEPLIFIZ. SVOISTVA PREDNOV
1969, pp 24-34

In process as

MT-24-72-0025

*Negative
stop 7/1*

Thermophysical Properties of Alkali Metals, by
Yo. Yo. Shpil'rayn, K. A. Yakimovich. 698 pp.
RUSSIAN, per, Teplofizicheskiye Svoystva Shchelochnykh
Metallov, 1970, pp 1-488.
AIR/FTD-MT-24-120-70

may 71

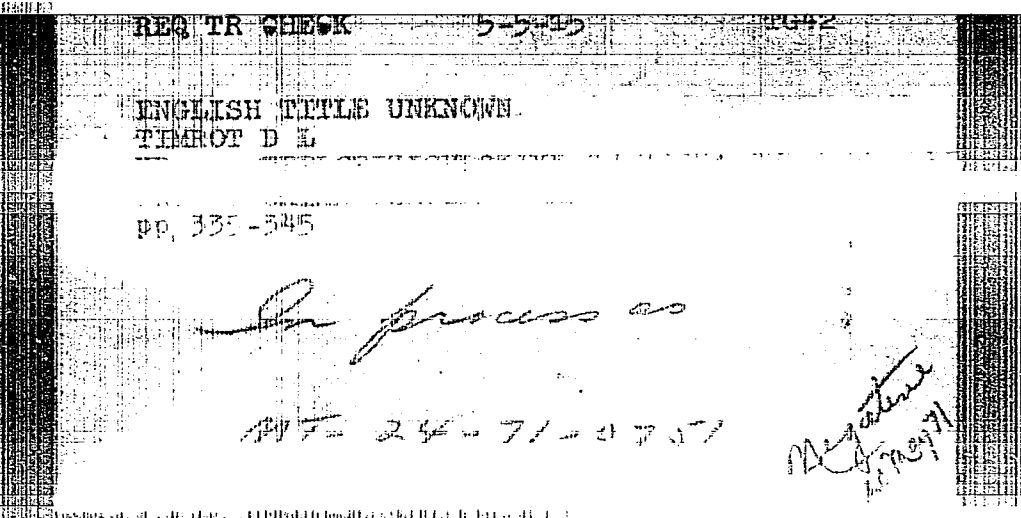
Transactions of the All Union Conference on Thermo-
physical Properties of Substances at High Temperatures,
6 pp.

RUSSIAN, rpt, Teplofizicheskiye Svoystva Tverdykh Tel
Pri Vysokikh Temperaturakh, pp 315-320.

ACSI J-9760

FSTC-HT-23-488-71

July 71



Physical Constants and Properties of Matter, by
V. A. Rabinovich.

RUSSIAN, bk, Teplotfizicheski E Svoistva Veschestv
i Materialov, 1970.

*NTIS TT 72-52001

March 72

Thermophysical Properties of Air and Air Components,
by A. A. Vasserman, Ya. Z. Kazavchinskiy, 383 pp.
RUSSIAN, bk, Teplofizicheskiye Svoistva Vozdukha i
Ego Komponentov, 1966.
NTIS TT 70-50095

May 71

Thermophysical Properties of Liquid Air
and Its Components, by A.A. Vasseran,
V.A. Rabinovich, 235 pp.
RUSSIAN, bk, Teplofizicheskie Svoistva
Zhidkogo Vozdukha i Ego Komponentov,
No. 3, 1968.
CFSTI TT 69-55092

Sci/physics
Jun 70

Thermophysical Properties of Liquids (Selected
Articles). 108 pp.

RUSSIAN, bk, Teplofizicheskiye Svoystva
Zhidkostey, 1970, pp 5, 99-154, and 161-163.

AIR/FTD-MT-24-117-71

Feb 72

S. L. Rivkin

*Experimental study of the density of Fraon-11. 6 pp.
RUSSIAN, Teplofizicheskiye Svoystva Zhidkostey, 1970,
pp 7-10
AIR/FTD-HT-23-808-72*

jan 73

A. K. Abas-Zade

*Investigation of viscosity/temperature properties and
heat conductivity of oil fractions from Baku paraffinic
crude. 5 pp.*

*RUSSIAN, Teplofizicheskiye svoystva zhidkostey, 1970,
pp 62-66*

AIR/FTD-HT-23-814-72

oct 72

A. M. Mamedo

Viscosity of hydrocarbons of the aromatic s
series. 7 pp.

RUSSIAN, Teplofizicheskiye svoystva
zhidkostey, 1970, pp 70-73

AIR/FTD-HT-23-865-72

oct 72

Thermal Phenomena and Surface-Layer Quality During
Polishing of Parts of Two-Row Roller Bearings With an
Abrasive Cloth, by S. P. Shabashov, 5 pp.

ТЕПЛОФИЗИКА ТЕХНОЛОГИЧЕСКИХ ПРОЦЕССОВ, КУЙБЫШЕВ,
1970, pp 119-121.
AIR/PTD/HT-23-1554-72

Feb 73

The Critical Density of Heat Flows in the Presence of
Internal Heating of Annular Channels, by
V. I. Tolubinskiy, A. K. Litoshenko, 6 pp.
RUSSIAN, per, Teplofizika i Teplotekhnika, No 16, 1970,
pp 3-6.
AIR/FTD/MT-24-1165-71

July 72

An Adiabatic Calorimeter for Contact Calibration of
Heat Flux Sensors, by O. A. Gerashchenko, V. G. Krapenko,
5 pp.

RUSSIAN, per, Teplofizika i Teplotekhnika, No 16, 1970,
pp 83-86.

AIR/FTD/MT-24-1166-71

July 72

I. T. Shveto

An approximate solution to the problem of the effectiveness of film cooling with injection coefficients less than one. 11 pp.

RUSSIAN, per, Teplofizika i teploekhnika, No 17, 1970, pp 5-12

AIR/FTD-MT-24-2040-71

sept 72

Determining the extent of the transition zone and the
rules for heat transfer in it with mixed air flow in
pipes, by Ye. P. Dyban, E. Ya. Epik. 8 pp.
RUSSIAN, per, Teplofizika i Teploelektrika, No 17, 1970,
pp 21-27.
AIR/FTD-HT-23-1300-71

apr 72

Ye. P. Dyban

Determining the transition region coordinates in the boundary-layer by calculating the heat transfer on the turbine blade profiles. 10 pp.

RUSSIAN, Teplotizika i teplotekhnika, No 17, 1970,

pp 46-51

AIR/FTD-MT-24-1654-71

sept 72

V. T. Beloborod'ko

I. Ye. Virozub

An analytical calculation of friction and heat transfer with the viscous flow of a compressible gas in the initial section of a pipe, by V. T. Beloborod'ko, I. Ye. Virozub. 8 pp. RUSSIAN, per, Teplofizika i Teplotekhnika, No 17, 1970, pp 58-62.

AIR/FFD-HT-23-1281-71

may 72

Presentation and Solution of the
Internal Problem of the Boundary
Layer Theory, by A. Sh. Dorfman.
RUSSIAN, per, Teplotekhnika i
Teplotekhnika, No 17, 1970, pp 80-86
NTC 72-11638-20D

June 72

Determination of Temperatures of a Flow and of
a Channel Wall Containing Heat, by
N.A. Minyaylenko, 5 pp.
RUSSIAN, per. Teplofizika i Teplotekhnika,
Issue 18, 1970, pp 52-56.
ACSI-K-2495
FSTC-HT-23-1973-72

June 72

Approximate Solution to Equations of Dynamic
and Thermal Boundary Layers, 9 pp.

RUSSIAN, per. Teplofizika i Teplotekhnika,
No 8, 1970, pp 89-95.

ACSI-K-2496

FSTC-HT-23-1975-72

June 72

PHENOMENON TRANSFER OF HEAT THROUGH ACTUAL CONTACT OF SOLID BODIES

NOVIKOV V S

LANGUAGE-RU COUNTRY-UR

TEPLOFIZIKA I TEPLOTEKHNIKA ISSUE 18 KIEV 1
970 PP 126-131

FSTC-HT-23-0332-73

REQ TR CHECK 26-03-73 T400

A THERMOELECTRIC DEVICE IMMERSSED IN A
FLUID MOVING IN THE DIRECTION OF HEAT FLOW
KOTYRLO, G.K.; SHCHEGOLEV, G.M.
UR: AN UKRSSR. TEPILOFIZIKA I TEPILOTEKHNIKA
NO. 19, 1971, pp. 132-135

Process in an
HT73-23-0411

Negative
3 Apr 73

TEPLOFIZIKA VYSOKIKH TEMPERATUR
(High Temperature - bimonthly)
Translation begins with 1963, Vol. 1
Lag time: ca. 6 months
Order from: American Institute of Physics
335 East 45th Street
New York, N.Y. 10017
1971: \$ 125.00/year USA and Canada
\$ 131.00/elsewhere
\$ 30.00 single current or back issues
USA and elsewhere
(Prepayment required - surface mail postage
is included)

Investigation of the Effective Thermal
Conductivity and Integral Emissive Power of
High Temperature Ceramic coatings of Refractory
Oxides Produced by Flame Spraying, by A. G.
Boganov.

RUSSIAN, per, Teplofizika Vysokikh Temp, Vol 3,
Jan-Feb 1965, pp 64-69.
Windscale Tr 215 (Loan)

324,300

Sci
Apr 67

Studying Conductivity of Plasma in a
Transverse Magnetic Field, by
A. V. Nedospasov, I. Ya. Shipuk, 11 pp.
RUSSIAN, per, Teplotfizika Vysokikh
Temperatur, Vol III, No 2, 1965,
pp 186-191. 9698943
FTD-TT-65-1610

Sci - Elec
Feb 66

296,382

Method of Setting Up Equation of State for
Multicomponent Mixtures, by

V. A. Zagoruchenko, 8 pp.

RUSSIAN, per, ~~Academiya Nauk SSSR~~ - ~~Teplofizika~~
Vysokikh Temperatur, Vol 3, No 2, 1965,

pp 244-249.

NTIS TT 69-55048

Sci/Math & Equip
Dec 70

Limiting Levels of Heat Exchange when
Liquid Metals Boil, by D. A. Labuntsov,
RUSSIAN, per, Teplofizika Vysokikh
Temperatur, Vol 3, No 2, 1965, pp 276-284.
NLI Ref: 9091.9F 1965 (Risley Tr. 863)

QB 193/863

Sci-Phys
June 66

303,270

Experimental Non-Viscous Metallic Contours
of Gallium for Magnetic Hydrodynamic In-
vestigations, by D. S. Kovner,
Ye. Yu. Krasil'nikov, et al,
RUSSIAN, per, Teplofizika Vysokikh Temperatur,
No 2, 1965, pp 315-317.
*FTD-MT-23-972-67

Sci-Mech
Jul 67

The State of Gas Behind a Strong Shock
Wave, by L. M. Liberman, I. T. Yakubov.
RUSSIAN, per, Toplofiz, Vysokikh Temperatur,
Vol III, No 3, 1965, pp 340-553.
NASA TT F-9761

Dept of Navy, Jr 4753/oni - Jr 2172
7 2000 3400

Sci-Phys
Mar 66

297,323

Investigation of the Thermal Conductivity of
Helium in the Temperature Range 400-2400 K,
by D. L. Timrot, A. S. Umanskiy.
RUSSIAN, per, Teplofizika Vysokikh Temperatur,
Vol III, No III, May/June 1965, pp 381-388
UKAEA Dounreay Tr 207
(On Loan)

Nov 65

291,648

Supersonic Wind Tunnel With a
Dissociating Working Body,
by B. Ya. Shumyatskiy, Yu. A.
Kibardin, G. A. Saltanov.
RUSSIAN, per, Teplofizika Vysokikh
Temperatur, 1965, Vol III, No III,
pp 467-472
*FTD-TT-65-1893

B. Ya. Shumyatskiy

Sci-Phys
Sept 65

Use of the Emission Spectrum of the
Copper Atom For Plasma Diagnostics,
by G. I. Bakanovich, L. I. Grechikhin.
RUSSIAN, per, Teplotiz Vysok Temp, Vol III,
No 4, 1965, pp 520-523.
NASA TT F-10,067

Sci-Aero
May 66

300,872

Air Force AS-6-101 66-32b

R-7018-D
4 May 66

Experimental Investigation of Electroconductivity
in An Argon and Potassium Current;

By: N. M. Maslennikov and V. N. Germanyuk

From: High Temperature Thermal Physics V. 3 No 4
1965, pp 524-529

(6 pp)

Russian - est for wds:

Type 1 camera ready and 1 carbon copy. Document may
be cut.

Теплопроводность В высочайших Температуре

Some Problems of the Operation of Ceramic
Insulation & Materials at High Temperatures
by N. S. Kostyukov, N. P. Antonova.
RUSSIAN, per, Teplotizika Vysokikh
Temperatur, Vol III, No 4, 1965, pp 555-562.
United Kingdom Atomic Energy
Downreay Translation No 214

Sci
Feb 66

Chemical Equilibrium of Multitemperature
Systems, by A. V. Potapov.
RUSSIAN, par, Teplofiz Vysokikh Temp.
Vol IV, No 1, 1966, pp 55-58.
NASA TT F-10,495

Sci-Chem
Jan 67

317,867

Stabilized Arc Column with Axial Gas Flow, by
A. V. Pustogarov.

RUSSIAN, per, Teplofiz Vysok Temperatur Akad
Nauch SSSR, Vol 4, No 2, 1966, pp 173-176.

ATB-EJ-5256

Sci-Phys
Mar 70

403,208

Investigation of the Surface Tension of Liquid
Sodium and Potassium, by A. N. Solov'ov,
O. P. Makarova.
RUSSIAN, per, Teplofizika Vysokikh Temperatur,
Vol 4, No 2, Mar/Apr 1966, pp 189-193.
AEC Risley tr 1056
NLE R-F 9891.77 (Risley Trans. 1056)

Sci/Physics
Oct 66

311,489

Distortion of a Temperature Field in which a
Thermocouple is Fitted, by V. N. Popov.
RUSSIAN, per, Teplofizika Vysokikh Temperatur,
Vol 4, No 2, Mar/Apr 1966, pp 261-266.
AEC Risley Tr 1055

Sci/Physics
Oct 66

311,488

On the Exchange of Energy between Electronic
and Molecular Gases, by L. M. Biberman
RUSSIAN, per, Teplotiz. Vysokh Temp., Vol 4,
No 4, 1966, pp 491-493.
NLL Ref: 9022.9 (1135)

Sci-Energy Conversion
Aug 68

362,125

Calculation of Temperature Field in a Turbulent
Flow of Liquid in a Round Tube in the Thermal
Entry Region, by N. I. Buleev
RUSSIAN, per, Teplotiz. Vysokh. Temp., Vol 4,
No 4, 1966, pp 540-551.
MLL Ref: 9091.9F (Risley Trans. 1153)

Sci-Physics
Aug 68

362,146

On a Method for Determining Electrical Conductivity
of a Low Temperature Plasma With a Double Probe,
by M. B. Khozhatolev, L. P. Yarin.
RUSSIAN, per, Teplotfizika Vysokikh Temperatur
No 5, 1966, pp 611-614.
*NASA TT F 10,771

Sci-Phys
Feb 67

Study of a Magnetic Method for Measuring
Electrical Conductivity of Ionized Gases, by
V. I. Fedulov, G. D. Yefremova.
RUSSIAN, per, Toplofizika Vysokikh Temperatur,
No 5, 1966, pp 615-620.
*NASA TT F-10,772

Sci-Phys
Feb 67

Nonlinear Conductivity of Arpen-Dorian
Plasma, by G. A. Kasabov.
RUSSIAN, per, Teplotfizika Vysokikh Temperatur,
No 5, 1966, pp 729.
*NASA TT F-10,773

Sci-Phys
Feb 67

Some Physical Properties of Aluminum Nitride,
by T. V. Andreyeva, I. G. Barantseva, 6 pp.
RUSSIAN, per. Teplotfizika Vysokikh Temperatur.
Vol 2, No 5, pp 829-831.
JPRS 42628

Sci-Mat
Oct 67

340.713

Correlator for the Study of Oscillations in a
Stationary Gas Discharge, by L. N. Korenevskiy.
RUSSIAN, per, Toplofizika Vyskikh Temperatur,
Vol 4, No 6, 1966, pp 786-793.
NASA TT F-11,019

Sci-Phys
Aug 67

338,733

Calculation of Convective Heat Transfer at
Supercritical Pressure, by N. I. Mekik-Pashaev.
RUSSIAN, per, Teplotfizika Vysokikh Temperatur,
Vol 4, No 6, 1966, pp 853-864.
NTC 71-14795-20M
NASA TTF 11, 099

Feb 72