

Thermal Conductivity of a Mixture of He and Xe
at Atmospheric Pressure, by S. A. Ulybin.

XX RUSSIAN, per, Teploenergetika, No 6, 1962,
pp 87-88.

*UKAEA/Windscale
Tr: No 12

Sci - Phys

May 63

Optimum Diffuser Shape, by I. Ye. Virozub,
A. Sh. Dorfman, 13 pp.

RUSSIAN, per, Teploenergetika, No 6, 1962,
pp 88-91. 9668341

FTD-TT-62-1738

sci-engr
apr 63

229,434

7/20/63 to 3499/APL 793

Nomograms for the Approximate Calculation of
Profile Flow in Turbine Grills, by
G. Ya. Shmatson, 13 pp.

RUSSIAN, par, Tehnenergetika, No 6, 1962,
pp 92, 93, 9668341

FTD-TT-62-1738

sci-engr
apr 63

229, 435

OVER-ALL AUTOMATION OF ELECTRIC POWER STATIONS OF
HIGH CAPACITY WITH THE USE OF CONTROL COMPUTERS,
BY YE. P. STEFANI, 17 PP.

RUSSIAN, PER, TEPLOENERGETIKA, NO 7, 1962, PP 3-10.

JPRS 15608

USSR
ECON
SCI - ENGR
OCT 62

213,459

Title Unknown, by M. P. Vukalovich, et al.
RUSSIAN, per, Teploenergetika, Vol VII,
1962, pp 18-22.
RAND LT 67-14

Sci
May 67

324,990

Duel, M. A. and Marenko, A. F.
AN- UND ABFAHREN EINES 50 MW-BLOCKS UNTER
VERWENDUNG EINER STEUERNDEN RECHENMA-
SCHINE (Starting and Departing of a 50 MW-block by
Using a Steering Computer). 14p.
Order from TIB \$2.35

Trans. in German of Teploenergetika (USSR) 1962
[v. 9] no. 7, p. 18-22.

DESCRIPTORS: *Starting. *Computers, Automation.

(Machinery--Engines, TT, v. 9, no. 11)

62-27259

- I. Duel, M. A.
- II. Marenko, A. F.
- III. Technische Informations-
bibliothek, Hannover
(West Germany)

Office of Technical Services

Determining the Iron Content in the Water
of a Steam Power Plant Installation,
by Yu. M. Kostrikin, N. M. Kalinina.

RUSSIAN, per, Teploenergetika, Vol IX, No 7,
1962, pp 37-42.

(CONF) NII No. 1022 of 116 (1.32)
CFGB 2838

Sci - H/M
Oct 63

078-31A (1-2796)

Tretyakov, P. G.
VERSUCHE MIT DEM ANFAHREN DER WPT-50-3-
TURBINE MIT KOMBINIRTER VORWÄRMUNG
(Starting Tests of the WPT-50-3-Turbine with Com-
bined Preheating); 10p.
Order from TIB \$1.80

Trans. in German of Teploenergetika (USSR) 1962
[v. 9] no. 7, p. 42-46.

DESCRIPTORS: *Starting, *Tests, *Turbines,
Heat treatment.

(Machinery--Engines, TT, v. 9, no. 11)

62-27284

- I. Tretyakov, P. G.
- II. Technische Informationsbibliothek, Hannover (West Germany)

Office of Technical Services

Profiling and Investigation of Top Sections of
Moving Blades in the Final Stages of Large Steam
Turbines, by B. M. Troyanovskiy, E. B. Maiorskiy.

RUSSIAN, par, Teploenergetika, Vol IX, No 7,
1962, pp 46-49.

RLZ Ref: 5828.4 1962 (5,228) (loan)

Sci - Electron
Jul 63

236,117

Determination of Speeds in Axial Turbomachines,
Taking into Account Distortion of Current Lines
in Meridional Plane, by A. N. Sherstyuk,
V. P. Novoderezhkin, 10 pp.

RUSSIAN, per, Toploenergetika, No 7, 1962,
Pp. 50-55. 9682734

PTD-TT-62-1784

Sci-Engr
May 63

229,520

Heat Transfer in Turbine Grids, by
L. N. Zysina-Molozhen, M. P. Polyak, et al,
8 pp.

RUSSIAN, per, Toploenergetika, No 7, 1962,
pp 77-80. 9682734

FTD-TT-68-1784

Sci-Ingr
May 63

229,521

The Effect of Channel Geometry on the Critical
Heat Loads in the Forced Flow of Water, by
B. A. Zenkevich, O. V. Remisov, V. I. Subbotin,
6 pp.

RUSSIAN, per, Teploenergetika, Vol IX, No 7, 1962,
pp 81-83. 920279

ABC-Tr-5538

S-1 - Phys

6 Mar 63

224,219

~~224,219~~

MISTAKES OF THE ASSOCIATE MEMBER OF THE ACADEMY OF
SCIENCES USSR, Z. F. CHUKHANOV, BY V. V. BOLOTOV,
V. R. OKOROKOV, 11 PP.

RUSSIAN, PER, TEPLOENERGETIKA, NO 7, 1962,
PP 8-17.

JPRS 15608

SCI . MISC

OCT 62

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XX

THEORY OF DETERMINATION OF THE EFFECTIVENESS OF
CAPITAL INVESTMENTS, BY D. M. YURINOV, YE. A.
YELOKHIN, 10 PP.

RUSSIAN, PER, TEPLOENERGETIKA, NO 7, 1962,
PP 37-89.

JPRS 15603

USSR
ECON
OCT 62

213,461

Production and Use of High-Temperature Tube
Steels, by M. V. Fridantsev, K. A. Lanskaya.

RUSSIAN, par, Teploenergetika, No 8, 1962,
pp 2-6.

REBI 3108

Slol - M/M
Apr 63

229,478

Panfilov, V. A.
START-UP SYSTEMS FOR LARGE BOILER-
TURBINE UNITS. [1963] [6p] *Trans. C. E. Trans.* 2900.
Order from OTS, SLA, or ETG; \$1.10 TT-63-24090

Trans. of Teploenergetika (USSR) 1962, v. 9, no. 8,
p. 21-23. (Abstract available)

DESCRIPTORS: *Steam turbines, *Steam valves,
Starting, Control systems, Steam,

Two steam turbine start-up systems are discussed. (1)
A partially isolated start-up system having special
start-up valves in the steam distribution system of the
two-shaft turbine, which deliver steam direct into the
h. p. and l. p. turbine cylinders. The relief valve of
the main control valve acts as the start-up valve for
the ultra-high pressure cylinder. This system does not
solve the problems of symmetrical warm-up of the h. p.
(*Machinery-Engines*, TT, v. 11, no. 4) (over)

TT-63-24090

I. Panfilov, V. A.
II. *CE Trans-2900*
III. Central Electricity
Generating Board
(Gt. Brit.)

Office of Technical Services

Study of the Dynamics of a Boiler
(67-25F)-Turbogenerator (K-50-90) Unit, by
V. A. Domentyov, et al.

RUSSIAN, per, Teploenergetika, Vol IX.
No. 6, 1962, pp 23-31

NEL Ref. 9022.09 1963 (2896) (Loan)

File # 1000
Feb 64

248,589

A Method of Using Electronic Computers to Compute
the Characteristics of Condensing-Turbine Thermal
Power Stations, by V. S. Shukhanov.

RUSSIAN, per, Teplotoenergetika, Vol IX, No 8, 1962,
pp 32-39.

NLL(LOAN)Ref: 9022.09 1963 (2991)

Sci-Engr
April 64

New Method of Shaping Guide Blade Cascades for
Stages With a Small d/λ , by M. E. Deich, et al, 13 pp.

RUSSIAN, per, Teploenergetika, No 8, 1962, pp 42-47.

CIA FDD-XX-1325
NO FOREIGN DISSEM

Sci - Engr
Feb 63

NLL REF 9022.03 1963 (211) (111)

USIB INTERNAL USE ONLY

221,239

Calculating Radial Overflows in a Turbine Stage,
by G. V. Zhukovskiy, 11 pp.

RUSSIAN, per, Teploenergetika, No 8, 1962,
pp 47-51. 9668619

FTD-TT-63-81

Sch-Engr
May 63

230,846

Measuring Pressure Pulsations and Dynamic Stresses
on Rotating Vanes of an AX Axial Compressor,
by G. N. Samoylovich, I. N. Pis'min, 8 pp.

RUSSIAN, per, Teplotengetika, No 8, 1962,
pp 51-55. 9668619

PTD-TT-63-81

Sci-Engr
May 65

230,847

Shvarts, V. A.

SELECTING THE OPTIMUM PARAMETERS AND
EVALUATING THE EFFICIENCY OF THE HEAT-
TRANSFER SURFACE OF THE REGENERATORS OF
GAS-TURBINE INSTALLATIONS. [1964] [14p] Sreda
B. S. R. A. Trans. no. 1558.

Order from OTS, SLA, or ETC \$1.60 TT-64-13039

Trans. of Teploenergetika (USSR) 1962, v. 9, no. 8,
p. 55-[59].

(Physics--Thermodynamics, TT, v. 12, no. 2)

TT-64-13039

- I. Shvarts, V. A.
- II. BSRA-Trans-1558
- III. British Ship Research
Association, London
(England)

Office of Technical Services

Panasenko, M. D. and Koslov, Yu. V.
**INVESTIGATION OF SEPARATING EQUIPMENT FOR
 HIGH CAPACITY DRUM BOILERS.** [1963] [6p]
 (figs omitted) 4 refs
 Order from OTS or SLA \$1.10 63-20391

Trans. of Teploenergetika (USSR) 1962 [v. 9] no. 8
 [p. 69-72].

DESCRIPTORS: *Boilers, *Steam, Separation,
 Moisture.

Results of investigation are given for a corrugated
 plate-type separator with its entering rim placed at
 a small vertical angle (14°). The investigation was
 performed at pressures of 17, 40, 100 and 150 ata,
 and at various loads and initial moisture contents.
 (Author)

(Engineering--Mechanical, TT, v. 10, no. 12)

63-20391

I. Panasenko, M. D.
 II. Koslov, Yu. V.

Handwritten: 11062 REF 11112
 116 (1-20)

Handwritten: (FSTI TT
 63-20391

Office of Technical Services

Experimental Investigation of the Conditions of
Deterioration of **HEX** Heat Transfer During Boiling
in Tubes, by A. S. Kha'kov, V. V. Modnikova, 10 p.

RUSSIAN, per, Teploenergetika, Vol IX, No 8, 1962,
pp 77-81. 920270

7/12/63

ARC Tr-5539

(LOAN) NLL Ref. 90 22.09 1962 (2,712)

124,217

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Sci - Phys

6 Mar 63

Title Unknown, by Vukalovich, M. P. et al.
RUSSIAN, per, Teploenergetika, No 8,
1962, pp 81-86.
RAND LT 67-32

Sci-
May 67

324,992

~~XXXXXXXX~~

The Physical and Chemical Fundamentals of Magnetic
Water Treatment, by V. I. Minenko, S. M. Petrov, 7 pp.
RUSSIAN, per, Teploenergetika, No 9, 1962.
JPRS 25794

Sci-Chem
Aug 64

265,105

The Problem of Economy of Fuel in Electric
Power Systems, by A. S. Forshtov, 13 pp.

RUSSIAN, per, Teploenergetika, No 9, 1962,
pp 2-7.

JPRS 15039

USSR

Econ

Sci - Electricity

Nov 62

217,536

ON THE USE OF NEW FUEL PRICES WHEN CALCULATING
THE EFFECTIVENESS OF THE NEW TECHNOLOGICAL
MEASURES IN ELECTRIC POWER ENGINEERING, BY
A. YA. AVRUKH, 7 PP.

RUSSIAN, PER, TEPLOENERGETIKA, NO 9, 1962,
PP 7-9.

JPRS 16569

USSR ECON DEC 62

217,317

Principles of Constructing a Control-Computer
Algorithm for the Overall ~~SYSTEM~~ automation
of a Boiler Turbine Unit, by V. K. Ruschinskiy.

RUSSIAN, per, Teplotoengetika, No 9, 1962, pp 11-17.

J
*UKRAINA-WinFors. Heach-
Pr-17

Sci - Nucl Sci

Jul 63

for loan only

Hydraulic Design of Air Cooling Systems for Multi-
stage Gas Turbines by Using Electric Models, by
I. T. Shvera,
RUSSIAN, par. *Teploenergetika*, No 9, 1962, pp 14-17.
NASA TT F-178

Sci - Engr
Mar 64
MX

251,959

Starting and Stopping a 50 M-W Boiler-Turbine Unit ~~XXXX~~
Incorporating a Control Computer, by M. A. Ducl,
A. F. Mar'enko.

RUSSIAN, per, Teploenergetika, No 9, 1967, pp 11-12.

*UKAEA-Ministry Reac-
Tr-18

Sci - Nucl Sci

Jul 68

Special Features of the Performance of the Control
Computer as the Digital Controller of a Boiler-
Turbine Unit, by V. N. Levitskiy.

RUSSIAN, per, Teploenergetika, No 9, 1962, pp 22-27.

*UK/EA-Minfrith Heath-
Tr-19

Sci - Nucl. Sci

Jul 63

Investigation of a Two-row Stage with
Divergent-convergent Blade Passages, by
V. D. Pshenichnyi.

RUSSIAN, per, Teploenergetika, 1962, Vol 9,
No 9, pp 32-36.

NLL 9022.065 1964 (1806) (On Loan)

Aug 65

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Thermal Conditions of Finned Water-Walls, by
A. L. Bychkovskiy.

RUSSIAN, per, Teploenergetika, No 9, 1962,
pp 36-42.

NLE Ref: 9022.09 1964 (3270) (loan)

May 64

Increasing the Range of Stable Operation of an Axial Compressor Stage, *Prof. V. N. ERSHOV, et al.*

RUSSIAN, per, *Teploenergetika*, Vol II, 1962, pp 41-44.

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Available on loan only

*TID-RR-63-33



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Sci - Nucl Sci

Aug 63

341,321

Operation of a Natural Circulation Circuit
at Different Loads and Pressures, by G. A.
Dzhigit.

RUSSIAN, per, Teploenergetika, No 9, 1962,
pp 42-46.

*UKAEA Risley
Tr No 359

Sci - Electron
28 Feb 1963

63-15701

I. Stirikovich, M. A.
II. Martinova, O. I.

Stirikovich, M. A., Martinova, O. I. and others.
INVESTIGATION OF THE BEHAVIOR OF MAG-
NESIUM COMPOUNDS IN A SUPERCRITICAL-PRES-
SURE BOILER (Issledovaniye Povedeniya Soedinenii
Magniya v Trakte Kotla Sverkhkriticheskogo Davleniya).
[1962] 13p. (foreign text included) 7 refs.
Order from OTS or SLA \$1.60 63-15701

Trans. Teploenergetika (USSR) 1962 [v. 9] no. 9,
p. 46-49.

DESCRIPTORS: *Magnesium compounds, Pressure,
Steam, *Boilers, Feed water, Tests.

(Chemistry, IT, v. 10, no. 7)

Office of Technical Services

63-15698

Kagan, D. Ya. and Kaganov, T. A.
ON PHOSPHATE CONTROL IN BOILER WATER (O)
Fosfatnoi Rezhime Kotlovoi Vody). [1962] 16p.
(foreign text included) 9 refs.

I. Kagan, D. Ya.
II. Kaganov, T. A.

Order from OTS or SLA \$1.60 63-15698
1.10 63-23975 (10 pp)

Trans. of Teploenergetika (USSR) 1962 [v. 9] no. 9,
p. 62.
(5P)

DESCRIPTORS: *Corrosion, Boiler, Steam, *Boiler
tubes, *Feed water, Corrosion inhibition, Films,
*Sodium compounds, *Phosphates, Hydrogen.

*Dept of Energy
NY 657 No 759*

(Metallurgy--Corrosion, TT, v. 10, no. 3)

Office of Technical Services

S-812/64

Physico-Chemical Bases of the Magnetic Treatment of
Water, by W. I. Minenko, S. M. Petrov. (DC-19637)

RUSSIAN, per, Teploenergetika, No 9, 1962,
pp 63-65.

*JPRS

Sci - Chem
30 Jul 64

Investigation of a Corrugated Extended Heat-
Transfer Surface for Boiler Rotating Air Heaters,
by V. K. Migai, L. N. Slobodskaya.

RUSSIAN, per, Teploenergetika, Vol IX, No 9,
1962, pp 68-70.

NLL ref: 902209 1963 (2992) (loan)

May 64

Isachenko, V. P.

THE MECHANISM AND CRITERIAL EQUATIONS OF
HEAT TRANSFER FOR THE DROPWISE CONDENSE-
TION OF STEAM. [1963] [10p] 10refs. C. E.

Trans. 2993.

Order from OTS or SLA \$1.10

63-24092

Trans. of Teploenergetika (USSR) 1962, v. 9 [no. 9]
p. 81-85.

DESCRIPTORS: *Steam, Condensation, Drops, *Heat
transfer, Equations, Thermodynamics.

Some aspects of the mechanism of dropwise condensa-
tion are examined. The role of thermocapillary move-
ment is examined. A set of similarity criteria suitable
for generalizing the experimental data on heat transfer
for dropwise condensation, is derived. (Author)

(Physics--Thermodynamics, TT, v. 10, no. 12)

63-24092

- I. Isachenko, V. P.
- II. CE Trans-2993
- III. Central Electricity
Generating Board
, (Gt. Brit.)

Office of Technical Services

ON THE ERRONEOUS THEORETICAL POSITIONS AND
INCORRECT ECONOMIC CALCULATIONS OF Z. F.
CHUKHANOV ON ELECTRIC POWER, BY A. G.
ZAKHARIN, 9 PP.

RUSSIAN, PER, TEPLOENERGETIKA, NO 9, 1962,
PP 86-88.

JPRS 16569

USSR
ECON
DEC 62

217,316

FUNDAMENTAL METHODS OF ECONOMIZING FUEL IN POWER
SYSTEMS, BY A. S. GORSHKOV, 7 PP.

RUSSIAN, PER, TEPLOENERGETIKA, NO 10,
OCT 1962, PP 2-9.

JPRS 16826

USSR
ECON
JAN 63

219,037

Using Radioactive Isotopes to Investigate
the Heart of Ball-Shell Nails, by E. Ya.
Sizakovich.

RUSSIAN, per, Engelmannia, Vol 9,
Oct 1962, pp 10-13.

(TOS 1353)

OROS 3430

314,396

Sci - Materials
Nov 66

Using Radioactive Isotopes to Investigate the
Wear of Ball Mill Balls, by E. Ya. Shpakovich.
RUSSIAN, per, Teploenergetika, Vol IX, No 10,
1962, pp 10-13.
NLL Ref: 9022.09 1964 (34390) (loan copy)

Sci
Sep 64

Counter-Current Silica Removal in the Chemical
Water-Demineralizing Cycle, by A. M. Prokhorova.

RUSSIAN, per, Teploenergetika, Vol IX, No 10,
1962, pp 21-26.

ALL Ref: 9022.09 1963 (3125) (Loan)

Sci
Feb 64

Zenkevich, Yu. V. and Dement'ev, B. G.
KINETICS OF THE DISSOLUTION OF SILICA IN
STEAM. [1963] [12p] Srebn. C. E. Trans. 3008.
Order from OTS or SLA \$1.60 63-23978

Trans. of Teploenergetika (USSR) 1962, v. 9, no. 10,
p. 26-31.

DESCRIPTORS: *Steam, *Silicon compounds,
*Dioxides, *Reaction kinetics, Fluosilicic acids,
Solubility, Quartz, Temperature, Pressure.

Results are presented of an experimental investigation
of the kinetics of the dissolution of silica in superheated
steam at pressures of up to 92 ata. Two types of flow
reactors, one with quartz tubes and the other with a
filling of crushed vitreous quartz, were used. The use
of an equation for the kinetics of the dissolution process
demonstrated that the equilibrium silica contents of
steam are different in the case of contact with vitreous
(Chemistry-Physical, TT, v. 10, no. 12) (over)

63-23978

I. Zenkevich, Yu V.
II. Dement'ev, B. G.
III. CE Trans. 3008
IV. Central Electricity
Generating Board
(Gr. Brit.)

NLL (LOAN) 11/1/63
4022.09 1963 (10/1)

Office of Technical Services

An Experimental Control System for a 67-2SP
Boiler and K-50-90 Turbine Unit Using a Control
Computer, by V. M. Ruschinskiy, et al.

RUSSIAN, per, Teploenergetika, Vol IX, No 10,
1962, pp 32-35.

NLL Ref: 9022.09 1963 (3046) (Loan)

Sci
Feb 64

De-aeration in Steam Turbine Condensers,
by A. I. Kirsh, 12 pp.

RUSSIAN, per, Ingloenergetika, Vol IX,
No 10, 1962, pp 35-46.

OTE TT-63-23110
MLL Ref. 9022.00 1963 (3,047)
(Loan)

Sci - Engr
Nov 63

242,338

The Problem of Improving Turbine Stages
Which Operate on Wet Steam, by I. I. Kirillov.

RUSSIAN, per, Toploenergetika, No 10, 1962,
pp 41-47.

ML Ref: 5828.4 1963 (5266)
(Loan)

Sci - Engr
Jul 63

2738,139

Investigation of New M.E.I. Nozzle Cascades
for Supersonic Velocities, by M. Ye. Deych,
A. V. Gabarev, et al, 13 pp.

RUSSIAN, per, Teploenergetika, No 10, 1962,
pp 47-52. 9681625

НИИТЭЛМ

FTD-TT-63-99

ALL RES. 902203 1963 (109)

(109)

229,499

Sci-Engr
May 63

Investigating Pinned Diffusers, by
V. K. Migay, 10 pp.

RUSSIAN, per, Teplomergatika, No 10,
Oct 1962, pp 55-59. 9668622

PTD-TT-63-86

Sci-Aero
May 63

230,848

011 34 834
(9 27 1973 1)

Temperature Stresses in a 12KhMF (Cr-Mo-V)
Steel Boiler Steam Line During Warm Up, by
D. P. Elizarov.

RUSSIAN, per, Teploenergetika, Vol IX, No 10,
1962, pp 59-64.

NLL Ref: 9022.09 1963 (3041) (Lean)

Sci
Feb 64

Study of Heat Emission During the Condensation of
Moving Steam in a Horizontal Pipe, by L. D. Berman,
Yu. A. Tuzhakov, 17 pp.
RUSSIAN, pt, *Teplotekhnika*, Vol IX, No 10,
1962, pp 77-83. 9593249
FTD-TT-64-301

7/21/67

AEC-ORNL-TR-1731

P911340067

Sci - Engr
Jul 64

263,737

Calculation of Thermodynamic Properties of
Potassium at Temperatures of up to 1300°C
and Pressures of up to 25 kg/cm²,

by M. P. Vukalovich.

RUSSIAN, per, Teploenergetika, Vol 9, No 10,
1962, pp 65-72.

NASA TT F-9862

Sci-Khem

Apr 66

298,810

Calculation of the Pressure-Head Characteristics
of Axial Helical Impellers, by V. I. Dumov,
17 pp.

RUSSIAN, per, Teplotoenergetika, No 11, 1962,
pp 25-27. 9684610

PTD-TT-63-407

Sci-Engr
July 63

235,840

Experimental Dynamic Characteristics of
a TP-80 High Single Boiler, VPT-50 Single-
Turbine Generating Unit, by V. N. Levitskiy,
E. G. Soboleva, 6 pp

RUSSIAN, per, Toploenergetika, Vol IX,
No 11, 1962, pp 34-36.

NLI Ref. D022.09 1963 (3,045)
(Loan)

Sci - Engr
Nov 63

242, 339

~~W~~ WHAT BLOCKS SHOULD WE USE IN THE DEVELOPMENT
OF OUR ELECTRIC POWER INSTALLATIONS, BY
YU. N. FLAKSERMAN, 11 PP.

RUSSIAN, PER, TEPLOENERGETIKA, NO 11, NOV 1962,
PP 37-40.

JPRS 16843

USSR
ECON
JAN 63

218,610

Veselov, V. T., Darovskii, E. T., Lozinski, R. P.,
and Khirin [G]. D.

THE INSTALLATION AND TESTING OF MP-VTI
TYPE 45,00mm. DUST COLLECTORS. [1963] [9p]
C. E. Trans-3063.

Order from OTS, SLA, or ETC \$1.10 TT-63-24089

Trans. of Teploenergetika (USSR) 1962, v. 9, no. 11,
p. 41-45.

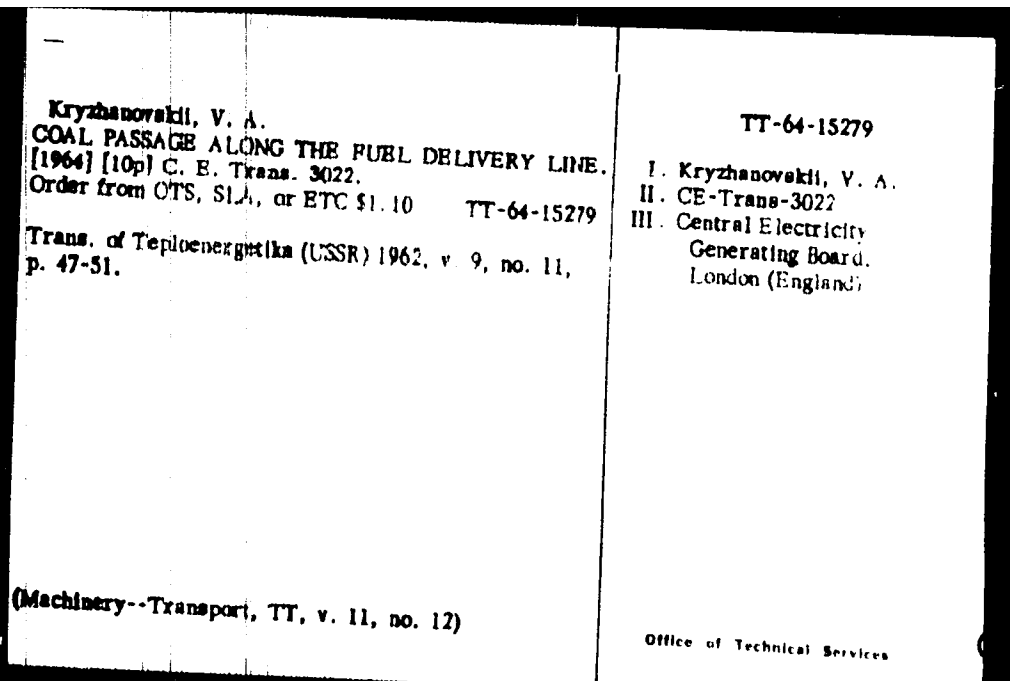
DESCRIPTORS: "Dusts, Collecting methods, Boilers,
Waste gases, Particle size, Electrostatic precipitation,
Cleaning, Sanitary engineering.

(Engineering--Sanitation, TT, v. 11, no. 2)

TT-63-24089

- I. Veselov, V. T.
- II. Darovskii, E. T.
- III. Lozinski, R. P.
- IV. Khirin, G. D.
- V. CE Trans-3063
- VI. Central Electricity
Generating Board
(Gt. Brit.)

Office of Technical Services



Accumulation and Treatment of Damage to Pearlitic
Steels During Performance, by P. A. Antikain.
RUSSIAN, par, *Teploenergetika*, Vol IX, No 11, 1962,
pp 59-62,
CEGB 3023

Sci - M/M
Apr 64

255,114

Gotlib, E. A., Polyakova, R. B., and Yashchenko, Ya. V.

WELDING PIPES MADE OF BRAND EI-695R AND EP-17 AUSTENITIC STEELS. [1963] [10p] C. E.

Trans. 2904

Order from DTS or SLA \$1.10

63-23972

Trans. of Teploenergetika (USSR) 1962, v. 9, no. 11, p. 63-67.

DESCRIPTORS: *Welding, *Pipes, *Steel, Austenite, Ferrites, Welds, Welding rods, Electrodes, Chromium alloys, Nickel alloys, Fracture (Mechanics).

Experimental work was performed to determine a method of preventing hot cracks in the seams when welding austenitic chrome-nickel steels. Satisfactory resistance to the formation of hot cracks was obtained in the case of EP-17 steel by the introduction of a certain quantity of ferrite into the weld metal by the use of (Metallurgy, TT, v. 10, no. 12) (over)

63-23972

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DESCRIPTORS: *Boilers, *Turbines, Starting, Steam.

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