The Elimination of Iron From Waters With the Use of Cellulose, by Y. M. Kostrikin, I. N. Gofman, V. A. Ivanova,

RUSSIAN, per, Teploenergetika, Vol XIII, No 7, 1960,

*ATIC MCL-1056/1-2

Sci - Min/Met, Chem

31 May 61

C-1029

Some Properties of ash Deposits on Screen Pipes in Steam Boiler Furnaces, by A. M. Gurvich, R. S. Prasolov.

RUSSIAN, per, Teploenergetika, No 7, 1960, pp 80-86.

Sci M/M

Jan 62

(DC-4486).

Basic Trends and Tasks in the Development of Central Heating in Prospect in 15-20 Years, by G. B. Levental', L. A. Malent'yev, 13 pp.

RUSSIAN, per, Teploenergetika, No 8, 1960, pp 3-8.

JPRS 6523

USSR
Econ
25 Jan 61

138,030

(DC-4486).

The Technical-Economic Indicators of Central Heating in Moscow, by N. K. Gromov, A. P. Nemov, 17 pp.

RUSSIAN, per, Teploenergetika, No 8, 1960, pp 9-15.

JPRS 6523

USSR
Econ
25 Jan 61

138,031

(DC-4486).

Prospects of Development of Industrial Tets (Central Electric Heating Plants) in High-Capacity Electric Power Systems, by A. N. Kuranov, 16 pp.

RUSSIAN, per, Teploenergetika, No 8, 1960, pp 15-21.

JPRS 6523

USSR
Econ
25 Jan 61

138,024

(DC-4486).

On the Problem of Possible Utilization of Additional Electric Peak Capacity at Tets, by A. F. Afanas'yev, M. M. Romin, 6 pp.

RUSSIAN, per, Teploenergetika, No 8, 1960, pp 21-23.

JPRS 6523

USSR
Econ
25 Jan 61

138,025

RESULTS IN THE DETERMINATION OF DEW POINT, BY M. I. LEIFMAN.

RUSSIAN, PER, TEPLOENERGETIKA, VOL VII, NO 8, 1960, PP 29-32.

NLL M. 6011

SCI - PHYS

OCT 62 212,999

APPROVED FOR RELEASE: Thursday, August 28, 2003 CIA-RDP91-00929R000100270005-7

The Resistance of Gas Turbine Metals to Vanadium Corrosion, by R. A. Lipshteyn, S. E. Khaykina, E. S. Ginzburg,

RUSSIAN, per, Teploenergetika, Vol VII, No 8, 1960, pp 57-60.

INFOSERV TR-101
SLA 61-19905
NLL RTS 1768
160,157

:Vol V, No 5
Jul 61

Nikolenko, I. A.
THE VOLUMETRIC EXPANSION OF BOILER WATER WITH DIFFERENT CONSTITUENTS IN SOLUTION (Nabukhanie Kotlovoi Vody Razlichnogo Sostava).
July 61 [7]p. RTS 1767.
Order from OTS or SLA $1.10 61-23656

Trans. of Teploenergetika (USSR) 1960 [v. 7] no. 8, p. 71-74.

DESCRIPTORS: *Feed water, *Salts, *Solutions, Volume.

Experimental data were obtained regarding the effect of salts in solution in the boiler water on the expansion rise of the latter during the formation of steam at different rates of output. The effects of saline components in the boiler water are not additive as regards the expansion rise due to the formation of steam. The gravimetric level in the water level indicator glass with the bottom connection pipe in the zone of (Engineering--Mechanical, TT, v. 6, no. 4) (over)

61-23656

I. Nikolenko, I. A.
II. RTS-1767
III. Department of Scientific and Industrial Research (Gt. Brit.)

177792

Office of Technical Services

Simplified Empirical Relationships for Mass Transfer During Steam Condensation for Steam-Gas Mixtures, by L. D. Berman.

RUSSIAN, per, Teploenergetika, Vol VII, No 8, ~~1960~~ 1960, pp 74-78.

Sci
Sep 64

APPROVED FOR RELEASE: Thursday, August 28, 2003 CIA-RDP91-00929R000100270005-7

Sterman, I. S., Petukhov, V. V. and others.
ANALYSIS OF HEAT ECONOMY FOR ATOMIC ELECTRICITY POWER STATIONS WITH A GASEOUS HEAT CARRIER, tr. by J. K. Skwirzynski. 6 Jan 61 [22]p. 6 refs. [DSIR LLU] M. 3093.
Order from OTS or SLA $2.60 61-27549

Trans. of Teploenergetika (USSR) 1960, v. 7 [no. 9] p. 6-12.

DESCRIPTORS: *Nuclear power plants, *Electric power production, *Heat, Economics, Power plants, USSR.

A method is proposed for analysis of heat economy of atomic power stations with a gaseous heat carrier. The analysis is made at gas temperatures of 340, 375 and 400°C at the entry to the steam generator for two pressures cycle and at temperature of 375°C for a
(Nuclear Physics--Nuclear Engineering, TT, v. 7, no. 1)
(over)

61-27549

I. Sterman, I. S.
II. Petukhov, V. V.
III. DSIR LLU M. 3093

Office of Technical Services

Hydraulic Design of Air Cooling Systems for Multi-Stage Gas Turbines by Using Electric Models, by I. T. Shvets, Ye. P. Dyban, et al, 13 pp.

RUSSIAN, por, Teploenergetika, No 9, 1960, pp 14-17.

NASA TT F-78

Sci-Engr
May 63

229,759

A Method of Elucidating the Process of Formation of Iron Oxide Deposits on the Inner Heating Surfaces of High Pressure Boilers, by N. N. Mankina, 8 pp.

RUSSIAN, per, Teploenergetika, No 9, 1960, pp 30-34.

Sci - Engr
Feb 63

221,411

Ratner, A. V. and Aristov, M. Ya.
DESIGN OF SUPERHIGH-PRESSURE STEAM PIPING FOR STRENGTH (Raschet Paroprovodov Sverkhvysokogo Davleniya na Prochnost'). July 61 [12]p. 9 refs. RTS 1846.
Order from OTS or SLA $1.60 61-27188

Trans. of Teploenergetika (USSR) 1960 [v. 7] no 9, p. 44-49.

DESCRIPTORS: *Steam pipes, Design, Tensile properties, *Stresses.

The paper describes an experimental determination of the expansion forces and bending moments acting in steam piping. It gives an improved method for the calculation of piping for strength. (Author)

(Engineering--Mechanical, TT, v. 6, no. 7)

61-27188

I. Ratner, A. V.
II. Aristov, M. Ya.
III. RTS-1846
IV. Department of Scientific and Industrial Research (Gt. Brit.)

Office of Technical Services

Andryshchenko, A. I. and Lapshov, V. N.
RATIONAL CYCLES OF STEAM-GAS PLANTS
(Ratsionalnye Tsikly Paragazovykh Ustanovok). [1961]
[8]p. 3 refs. [DSIR LLU] M. 2956.
Order from OTS or SLA $1.10 61-23374

Trans. of Teploenergetika (USSR) 1960, v. 7 [no. 9]
p. 60-62.

DESCRIPTORS: *Power plants, Operation, Steam turbines, Gas turbines.

Rational cycles and thermal schemes of steam-gas plants are proposed in which a steam turbine is utilised for driving the compressors. (Author)

(Engineering--Mechanical, TT, v. 6, no. 6)

61-23374

I. Andryshchenko, A. I.
II. Lapshov, V. N.
III. DSIR LLU M. 2956

CSIRO

176652

Office of Technical Services

WATER AND STEAM CONTENTS DURING SURFACE BOILING OF WATER, BY P. G. POLETAVKIN.

RUSSIAN PER, TEPLOENERGETIKA, VOL V11, NO 9, 1960, PP 67-71.

NLL M. 4665

SCI 4- PHYS

OTS 62-19142

JUL 62

203,004

APPROVED FOR RELEASE: Thursday, August 28, 2003 CIA-RDP91-00929R000100270005-7

Equation of State for Heavy Water (D_2O) From p-v-T Experimental Data, by A. M. Mamedov.

RUSSIAN, per, Teploenergetika, No 9, 1960, pp 71-75.

NLL RTS 1847

Sci - NucPhys

Jan 62

180,020

CEA-tr-R-1374 Uncl.

EQUATION D'ETAT DE L'EAU LOURDE D_2O D'APRES LES DONNEES EXPERIMENTALES DE p - v - T. (Equation of State of D_2O from p-v-T Experimental Data). A. M. Mamedov. Translated into French from Teploenergetika, 7: 71-4(1960). 12p.

9C93631

Chemistry; Translations MC-4

C-4 NP NSA Dep.(mc); $1.60(fs), $0.80(mf)
JCL or LC

N-3

Development of Thermoelectric Power in the Polish People's Republic, by Zdislav Voytashek, 15 pp.

RUSSIAN, per, Teploenergetika, No 9, Moscow, 1960, pp 89-94. (Call No TJ.4, T31, Eng Tr)

AMS

EEur - Poland
Econ
Jan 61

136,563

Principal Features of the K-300-240 Turbine Unit,
by L. A. Shubenko-Shubin.

RUSSIAN, per, Teploenergetika, No 10, 1960,
pp 6-13.

NLL M. 3355

Sci - Engr

191,912

Apr 62

APPROVED FOR RELEASE: Thursday, August 28, 2003 CIA-RDP91-00929R000100270005-7

Choice of the Optimum Area of Exhaust Cross-Section and Number of Shafts for Steam Turbines of 300 to 600 MW Capacity, by L. D. Berman, et al.

RUSSIAN, per, Teploenergetika, No 10, 1960, pp 14-22.

NLL M. 3356

Sci - Engr 62-24887 191,917

Apr 62

APPROVED FOR RELEASE: Thursday, August 28, 2003 CIA-RDP91-00929R000100270005-7

Temperature Tests on the High-Pressure Turbines of the Leningrad Metal Works, by P. G. Tret'yakov, B. L. Levchenko.

RUSSIAN, per, Teploenergetika, No 10, 1960, pp 22-27.

NLL M. 3354

OTS 62-23941

191,913

Sci - Engr

Apr 62

Kirillov, P. L.
LE SODIUM ET LES ALLIAGES SODIUM-POTASSIUM EN TANT QU'AGENTS DE TRANSPORT THERMIQUE POUR LA SURCHAUFFE SECONDAIRE DE LA VAPEUR ET LES PROCESSUS TECHNOLOGIQUES
(Sodium and Sodium-Potassium alloys as Heat Transfer Media for Reheating of Steam and other Processes). 13p. (foreign text included) 9 refs. FR-3175 (text in French).
Order from OTS or ETC $1.85 62-26165

Trans. in French of Teploenergetika (USSR) 1960 [v. 7] no. 10, p. 40-42

DESCRIPTORS: *Sodium alloys, *Potassium alloys, *Heat transfer, Steam, Heating.

(Physics--Thermodynamics, TT, v. 9, no. 8)

62-26165

I. Kirillov, P. L.
II. FR-3175
III. Centre National de la Recherche Scientifique (France)

Office of Technical Services

PB-

The Calorific Properties of a 96% (by Volume) Solution of Ethyl Alcohol in Water, by M. P. Vukalovich, et al.

RUSSIAN, per, Teploenergetika, No 10, 1960, pp 63-67.

NLL RTS 2042

Sci - Chem

Nov 62

21,547

Sirota, A. M. and Mal'tsev, B. K.
EXPERIMENTAL DATA ON THE THERMAL CAPACITY OF WATER VAPOR AT PRESSURES OF 300 TO 500 ATM. AND TEMPERATURES OF 500 TO 600°C. [1960]
Order from INFOSERV $2.00 INFOSERV TR-102

Trans. of Teploenergetika (USSR) 1960, v. 7, no. 10, p. 67-68.

(Chemistry--Physical, TT, v. 5, no. 4)

61-12280

1. Water vapor--Thermal properties
I. Sirota, A. M.
II. Mal'tsev, B. K.
III. INFOSERV TR-102
IV. INFOSERV, West Hartford, Conn.

NLL [illegible] 1960

Office of Technical Services

CEA-tr-R-1410 Uncl.

DONNEES EXPERIMENTALES SUR LA CHALEUR SPECIFIQUE DE LA VAPEUR D'EAU SOUS DES PRESSIONS DE 300 A 500 ATMOSPHERES ABSOLUES ET A DES TEMPERATURES DE 500 A 600°C. (Experimental Data on the Specific Heat of Steam under Absolute Pressures of 300 to 500 Atmospheres and at Temperatures of 500 to 600°C). A. M. Sirota and B. K. Mal'tsev. Translated into French by B. de Trezvinsky from Teploenergetika, 7: No. 10, 67-8(1960). 6p.

Heat Transfer; Physics; Translations MC-34

C-34 NP NSA Dep.(m[illegible]): $1.10(fs), $0.80(mf)
N-5 JCL or [illegible]S

(DC-4600/2)

In What Respects Is Mr. Philip Sporn Wrong, by A. P. Rozhdestvenskiy, 9 pp.

RUSSIAN, per, Teploenergetika, No 10, 1960, pp 69-73.

JPRS 6613

USSR

Econ

Feb 61

138,902

Yuza, Ya.
EQUATION OF STATE FOR SATURATED AND SUPERHEATED STEAM (Uravneniye Sostoyaniya dlya Nasyshchennogo i Peregretogo Vodyanogo Para). Apr 61 [25]p. 20 refs. RTS 1827.
Order from OTS or SLA $2.60 61-19799

Trans. of Teploenergetika (USSR) 1960 [v. 7] no. 10, p. 80-89.

DESCRIPTORS: *Equations of state, *Steam, Physical properties, Tables, Enthalpy, Specific heat,

It is shown that the new equation of state is suitable for the calculation of the specific volume, enthalpy, and specific heat in the following regions: 0 to 344° C up to the saturation curve; 350° C for $v \geq 10$ cm^3/g; 470° C for $v \geq 10$ cm^3/g; 500° C for $v \geq 6$ cm^3/g and 600 to 850° C for $p \leq 600$ kg/cm^2. (Author)

(Physics--Thermodynamics, TT, v. 6, no. 5)

61-19799

I. Yuza, Ya.
II. RTS-1827
III. Department of Scientific and Industrial Research (Gt. Brit.)

180530

Office of Technical Services

Determination of the Density of Liquid Oxygen Over a Wide Range of Temperatures and Pressures, by D. L. Timrot, et al, UNCL, 1 pp

RUSSIAN, per, Teploenergetika, No 10, 1960, p 95.

967

FATIC MCL-1258/1

Sci - Chem

5 Jul 61

AFCIN-4B2B 3-7-15

(DC-4600/3)

Some Operational Problems of Thermal Electric Power Stations, by A. P. Nemoz, S. Ye. Shitsman, 13 pp.

RUSSIAN, per, Teploenergetika, No 11, 1960, pp 3-8.

JPRS 6718

140, 305

USSR

Econ

Feb 61

APPROVED FOR RELEASE: Thursday, August 28, 2003 CIA-RDP91-00929R000100270005-7

Ryzhkin, V. Ya and Tambiyeva, I. N.
PROSPECTS OF INCREASING THE EFFICIENCY OF LARGE THERMAL POWER STATIONS (Perspektivy Povysheniya k.p.d. Moshchnykh Teplovykh Elektrostantsii). Apr 61 [15]p. 5 refs. RTS 1828.
Order from OTS or SLA $1.60 61-19941

Trans. of Teploenergetika (USSR) 1960 [v. 7] no. 11, p. 9-15.

DESCRIPTORS: *Steam power plants, *Steam turbines, *Boilers, Steam.

An investigation is made of the efficiency of large condensing steam turbine power stations for operating at 1000 atm abs and 1000 °C. The regions of optimum pressures were determined for various initial steam temperatures and also the corresponding general efficiency level for turbine units of power stations.

(Engineering--Mechanical, TT, v. 6, no. 2)

61-19941

I. Ryzhkin, V. Ya.
II. Tambiyeva, I. N.
III. RTS-1828
IV. Department of Scientific and Industrial Research (Gr. Brit.)

165603

Office of Technical Services

Hydrazene Treatment of Feedwater for TP-240-1 Ultra-High-Pressure Boilers, by D. Ya. Kagan, T. A. Kaganer.

RUSSIAN, per, Teplosnergetika, Vol VII, No 11, 1960, pp 46-48.

NLL M. 3106

Sci - Engr

189,812

Apr 62

Determination of the Elementary Functions in the Equation of State for a Real Gas, by Ya. Z. Kazavchinskiy, 13 pp.

RUSSIAN, per, Teploenergetika, Vol VII, No 11, 1960, pp 59-64. 9095070

NLL RTS 1829
OTS-61-19803

Sol - [illegible]

179,301

Effect of Ultra Sound on the Intensification of Heat Exchange, by A. P. Tretyakov, Chen Khua-Din, 4 pp.

RUSSIAN, per, Teoploenergetika, No 11, 1960, pp 64-66. 9670287

ATIC MCL-1153/1

Sci - Phys

161,336

Jul 61

Gurvich, A. M. and Mitor, V. V.
RADIATING CAPACITY OF FURNACE INSTALLATIONS (Izluchatel'naya Sposobnost' Topochnykh Ustroystv). Apr 61 [10]p. 5 refs. RTS 1830.
Order from OTS or SLA $1.10 61-19698

Trans. of Teplоenergetika (USSR) 1960 [v. 7] no. 11, p. 66-69.

DESCRIPTORS: Boilers, *Combustion chambers, *Thermal radiation.

Formulae are given for calculating the degree of blackness of chamber-type furnaces and fuel-bed furnaces, derived on the assumption that the heat-receiving surfaces of the shields are grey and are heated to a high temperature. (Author)

(Engineering--Mechanical, TT, v. 6, no. 2)

61-19698

I. Gurvich, A. M.
II. Mitor, V. V.
III. RTS-1830
IV. Department of Scientific and Industrial Research (Gt. Brit.)

169631

Office of Technical Services

(DC-4600/3)

The Large GRES in the Moscow Power Station, by N. A. Postnikov, 4 pp.

RUSSIAN, per, Teploenergetika, No 11, 1960, pp 90, 91.

JPRS 6718

USSR

140,976

Econ

APPROVED FOR RELEASE: Thursday, August 28, 2003 CIA-RDP91-00929R000100270005-7

(DC-4600/5)

From the Goelro Plan to the Complete Electrification of the USSR, by I. T. Novikov, 3 pp.

RUSSIAN, per, Teploenergetika, No 12, 1960, pp 3-7.

JPRS 8035

150,737

USSR

Econ

Apr 61

APPROVED FOR RELEASE: Thursday, August 28, 2003 CIA-RDP91-00929R000100270005-7

Choice of Materials for the Parts of High and Super High Pressure Accessories Subjected to Wear, by A. V. Ratner, L. G. Leonova.

RUSSIAN, per, Teploenergetika, Dec 1960, pp 14-18.

BISI 2065

Sci - Engr

Jun 61

154,558

On the Problem of the "Blocking" of the Distributing Nozzle and of the Working Blading of Profiles in a Supersonic Flow, by M. Ye. Deych, A. V. Gubarev, 19 pp.

RUSSIAN, per, Teploenergetika, No 12, 1960, pp 27-33. 9673057

FTD MCL-1335/1

Sci - Phys

182,595

15 Feb 62

APPROVED FOR RELEASE: Thursday, August 28, 2003 CIA-RDP91-00929R000100270005-7

The Problem of Increasing the Efficiency and Power of Gas-Turbine Power Plants, by D. P. Gokhshteyn, 15 pp.

RUSSIAN, per, Teploenergetika, No 5, 1960, pp 83-93 0672401

FTD-TT-61-130

Sci. - Engr

180,296

23 Jan 62

An Experimental Investigation Into Heat Loss Upon Condensation of Steam in Horizontal and Slightly Inclined Tubes, by V. V. Konsetov.

TH

RUSSIAN, per, Teploenergetika, XXX No 12, 1960, pp 67-71.

NLL M.3320

Sci - Phys
Feb 62

186,694

Kuznetsov, N. V. and Zrodnikov, S. E.
SEMINAR ON NEW METHODS FOR REMOVING FIRESIDE DEPOSITS FROM HEATING SURFACES (Seminar po Novym Methodam Ocifistki Poverkhnostei Nagreva ot Zolovykh Otlozhenii). June 61 [9]p. 1 ref. RTS 1873.
Order from OTS or SLA $1.10 61-23637

Trans. of Teploenergetika (USSR) 1960 [v. 7] no. 12, p. 90-91.

DESCRIPTORS: *Boilers, Cleaning, *Deposits, Heat exchangers

Conclusions and proposals that were adopted by the participants of the seminar, which took place from the 28th to the 30th of June (19607), are presented on (1) self-cleaning heating surfaces, (2) the shot-blasting method of cleaning, (3) the vibration method of cleaning, (4) blowing equipment using superheated water, and (5) comprehensive cleaning.

(Engineering--Mechanical, TT, v. 6, no. 6)

61-23637

I. Kuznetsov, N. V.
II. Zrodnikov, S. E.
III. RTS-1873
IV. Department of Scientific and Industrial Research (Gt. Brit.)

176654

Office of Technical Services

(DC-4600/8)

Economic Problems in the Long-Range Development of USSR Electric ~~ENERGY~~ Power, by S. F. Sherahov, 5 pp.

RUSSIAN, per, Teploenergetika, No 1, 1961, pp 3-7.

JPRS 8650

NAL M 5101
163,334

USSR
Econ
Aug 61

Certain Experimental Data Regarding the Hydraulics of Coil Elements With Upward and Downward Flow of Two-Phase Mixtures, by L. Yu. Krasyakova.

RUSSIAN, per, Teploenergetika, No 1, 1961, pp 16-22.

NLL/RTS 1956

Sci - Engr

193,826

Apr 62

Joint Operation of a Turbine Stage and Adjoining Inlet of Exhaust Branch, by V. I. Komyrin.

RUSSIAN, per, Teployenergetika, Vol VIII, No 1, 1961, pp 37-44.

NLL M. 3540

201, 036

Sci - Engr
Jun 62

The Effect of Roughness on the Aerodynamic Resistance of Pipe Bundles Subjected to a Transverse Gas Flow, by F. P. Kazakevich, 8 pp

RUSSIAN, per, Teplosnergetika, No 1, 1961, pp 56-58. 9672408

FTD-TT-61-67

Sci - Phys

23 Jan62

Relative Velocities of a Steam-Water Flow in ~~XXXX~~ Vertical Unheated Pipes, by S. Kosterin, N. I. Semenov, et al.

RUSSIAN, per, Teploenergetika, Vol VIII, ~~XX~~ No 1, 1961, pp 58-65.

AEC-ML-RTS-1957

Sci - Engr

Apr 63

227,028

Phase Transition in the Supercritical Region and the Inversion Curve, by D. D. Kalafati.

RUSSIAN, per, Teploenergetika, No 1, 1961, pp 72-78.

NLL FTS 1958

Sci - Engr

204,846

Jul 62

An Investigation of the Stages of a Gas Turbine With a Low Ratio D_{av}/l_{bi}, by Kh. L. Babenko, 10 pp.

RUSSIAN, per, Teploenergetika, No 2, 1961, pp 24-28. 9676288

FTD-TT-61-318

192,677

Sci Engr

Apr 62

Role of Dispersion in the Processes of Radiant Exchange of Energy, by V. N. Adrianov, 11 pp.
RUSSIAN, per, Teploenergetika, Vol VIII, No 2, 1961, pp 63-66. P100058667
FTD HT 66-303

Mechanical
Mar 67 320,425

Light Modelling of Radiant Heat Exchange in Furnaces, by L. A. Voulis. 11 pp.

RUSSIAN, per, Teploenergetika, Vol VIII, No 2, 1961, pp 67-71.

Sci - Engr

Jan 63

219,235

HEAT EMISSION AND RESISTANCE OF CHECKERED TUBE BUNDLES IN A TRANSVERSE FLUID FLOW, BY A. A. ZHULAUSAS, A. A. SHLANCHYAUSKAS.

RUSSIAN, PER, TEPLOENERGETIKA, NO 2, 1961, PP 72-75.

NLL M. 6018

SCI - PHYS

OCT 62 213,001

APPROVED FOR RELEASE: Thursday, August 28, 2003 CIA-RDP91-00929R000100270005-7

An Investigation of the Dependence of the Critical Heat Load on Mass Flow Rate, Subcooling, and Pressure, by A. P. Ornatskiy, A. M. Kichigin, 12 pp.

RUSSIAN, per. Teploenergetika, Vol VIII, No 2, 1961, pp 75-79. 9208240

AEC-Tr-5710

Sci - Phys

234,279

Jun 63

Effect of Ultrasonic Vibrations on the Burning of Carbon, by A. G. Popov. RUSSIAN, per, Teploenergetika, No 3, 1961, pp 8-10.
AIR/FTD/HT-23-485-68

Sci-Phys
Apr 69

379,561

APPROVED FOR RELEASE: Thursday, August 28, 2003 CIA-RDP91-00929R000100270005-7

A Study of the Possibility of Using Polycrystalline Silicon to Make Photoelectric Converters, 17 pp.

RUSSIAN, per, Teploenergetika, No 3, 1961.
9668532

FTD-TT-62-1656

Sci-Phys
May 63

230524

APPROVED FOR RELEASE: Thursday, August 28, 2003 CIA-RDP91-00929R000100270005-7

The Distribution of Impurities in the Alloyed Layer of Photoelectric Converters, 12 pp.

RUSSIAN, per, ~~Teploenergetika~~, No 3, 1961.
9668532

FTD-TT-62-1656

Sci-Phys
May 63

230,823

APPROVED FOR RELEASE: Thursday, August 28, 2003 CIA-RDP91-00929R000100270005-7

Designs and Electrical Characteristics of Batteries Made From Silicon Photoelectric Converters, 18 pp.

RUSSIAN, per, Teploenergetika, No 3, 1961.
9668532

FTD-TT-62-1656

Sci-Chem
May 63

230825

APPROVED FOR RELEASE: Thursday, August 28, 2003 CIA-RDP91-00929R000100270005-7

The Speed-Control Stages of Low and Average Capacity Turbines, by A. V. Shchekoldin, V. I. Kiryukhin, 12 pp.

RUSSIAN, per, Teploenergetika, No 3, 1961, pp 36-40. 9676279

FTD-TT-61-372

Sci - Engr

192,676

Apr 62

AN INVESTIGATION INTO THE ACTION OF CONTAMINATED LOW-TEMPERATURE STEAM ON 35KHNM AND 1KH18N9T STEEL IN THE STRESSED STATE, BY D. YA. KAGAN, L. S. ZHURAVLEV.

RUSSIAN, PER, TEPLOENERGETIKA, VOL VIII, NO 3, 1961, PP 46-48.

NLL M. 6323

SCI - CHEM

NOV 62

CEGB 2375

217,686

Prevention of Corrosion of Condensate Systems With the ~~XXXX~~ Aid of Film-Forming Amines, by P. A. Akolzin, 14 pp.

RUSSIAN, per, Teploenergetika, No 3, 1961, pp 49-52.

Dept of Interior
TC7 E57 No 50

Sci - Engr
Feb 63

Heat Transfer of Compact Checkerboard Bundles Subjected to a Transverse Flow, by V. I. Tolubinskiy, V. M. Legkiy, 11 pp.

RUSSIAN, per, Teploenergetika, No 3, 1961 pp 53-56. 9667328

FTD-TA-61-106

Sci - Phys
Jan 62

Heat Transfer to Sodium in the Region of Small Peclet Numbers, by M. S. Pirogov, 8 pp.

RUSSIAN, per, Ex Teploenergetika, No 3, 1961, pp 62-64. 9667328

FTD-TT-61-106

Sci - Phys
Jan 63

APPROVED FOR RELEASE: Thursday, August 28, 2003 CIA-RDP91-00929R000100270005-7

The Determination of the Thermal Conductivity of Heat & Insulating Materials at Temperatures up to 2000°C, by A. G. Kharlamov.

RUSSIAN, per, Teploenergetika, Vol VIII, No 3, 1961, pp 64-66.

NLL M 6376

225,416

Sci - Phys
Mar 63

APPROVED FOR RELEASE: Thursday, August 28, 2003 CIA-RDP91-00929R000100270005-7

A New Equation for the Exponent of the Adiabat of Wet Steam, by V. V. Sychev.

RUSSIAN, per, Teploenergetika, No 3, 1961, pp 67-70.

WLL RTS 2043

Sci - Chem

Nov 62

217548

(DC-4600/8)

The All-Union Scientific and Engineering Conference on Boiler-Auxiliary Equipment, by V. I. Trembovlya, 8 pp.

RUSSIAN, per, Teploenergetika, No 3, 1961, pp 91-94.

JPRS 8650

163,336

USSR
Econ
Aug 61

Semiconductor Solar Energy Converters, by A. K. Zayt[illegible]seva, A. Ya. [illegible] Gilberman, 12 pp

RUSSIAN, per, Teploenergetika, No 3, 1961, pp 100-107. [illegible]

*FTD-TT-62-1656

Sci - Phys
29 Nov 62

An Investigation of the Possibility of Using Polycrystalline Silicon for Making Photoelectric Converters, by A. Ya. Gilberman, A. K. Zaytseva, et al. 17 pp

RUSSIAN, per, Teploenergetika, No 3, 1961, pp 116-128.

*FTD-TT-62-KX 1656

Sci - Phys
29 Nov 62

The Construction and Electrical Characteristics of Batteries of Silicon Photo-Converters, by G. S. Daletskiy, N. V. Shavrin. 18 pp

RUSSIAN, per, Teploenergetika, No 3, 1961, pp 137-151. 9[illegible]532

*FTD-TT-62-1656

Sci - Chem
29 Nov 62

APPROVED FOR RELEASE: Thursday, August 28, 2003 CIA-RDP91-00929R000100270005-7

Investigation of Silicon Photoelectric Cells for High Concentrations of Solar Energy, 6 pp.

RUSSIAN, per, Teploenergetika, No 3, 1961.
9668532

FTD-TT-62-1656

Sci-Phys
May 63

230,818

APPROVED FOR RELEASE: Thursday, August 28, 2003 CIA-RDP91-00929R000100270005-7

Reflectors for Solar Photoelectric Batteries, 8 pp.

RUSSIAN, per, Teploenergetika, No 3, 1961. 159-163.
9668532

FTD-TT-62-1656

Sci-Phys
May 63

230,819

APPROVED FOR RELEASE: Thursday, August 28, 2003 CIA-RDP91-00929R000100270005-7

THERMAL AND CHEMICAL TESTS ON A ONCE-THROUGH BOILER AND HIGH-PRESSURE TURBINE, BY YU. V. ZENKEVICH, S. YA. ARIEL.

RUSSIAN, PER, TEPLOENERGETIKA, VOL VIII, NO 4, 1961, PP 12-15.

NLL M. 6172

SCI - CHEM, ENGR

OCT 62

214,183

CLOSED-CYCLE STEAM-GAS-TURBINE PLANT, BY L. I. SLOBODYANYUK, V. A. SPIRIDONOV.

RUSSIAN, PER, TEPLOENERGETIKA, VOL VIII, NO 4, 1961, PP 25-27.

NLL M. 6322

SCI - ENGR

NOV 62

217,688

APPROVED FOR RELEASE: Thursday, August 28, 2003 CIA-RDP91-00929R000100270005-7

Effect of Pitch and Angle of Guide Blades on the Operation of a Turbine Stage, by A. M. Zavodovskiy.

RUSSIAN, per, Ri Teploenergetika, No 4, 1961, pp 28-30.

MLL M. 3584

Sci - Engr

207,782

Jul 62

Effect of the Guide Blade Chord on the Characteristics of a Turbine Stage, by M. F. Fedorov, A. V. Garkusha.

RUSSIAN, per, Teplosnergetika, No 4, 1961, pp 37-41.

NLL M. 3597

Sci - Engr

Jul 62

207,785

Increasing the Efficiency of Diffusers by Fitting Transverse Fins, by ~~Ky~~ V. K. Migai.

RUSSIAN, per, Teploenergetika, No 4, 1961, pp 41-43.

NLL M. 3594

Sci - Aero

207,198

Jul 62

VTI GAS GENERATOR FOR USE IN GAS XRMB TURBINE PLANTS, BY KH. I. KOLODTSEV.

RUSSIAN, PER, TEPLOENERGETIKA, VOL VIII, NO 4, 196BL, PP 44-48.

DEPT OF INTERIOR
TN7 E57 NO 532
NLL M. 3977

SCI - ENGR

209,600

SEP 62

OTS 62-25121

The Equation of State for Water, Based on Experimental Data, by M. P. Vukalovich, V. N. Zubare, 6 pp.

RUSSIAN, per, Teploenergetika, No 4, 1961, pp 76-81.

Interntl Physical Index
Power Express
Vol I, No 2

Sci - Math, Phys

Jun 62

200,977

61-27786

Mostofin, A. A. and Sorokina, N. S.
TsKTI SALINOMETERS WITH DEGASSING AND CONCENTRATION OF THE SAMPLES. [1963] [9p] C. E. Trans. 2714.
Order from OTS or SLA $1.10 63-24081

Trans. of Teploenergetika (USSR) 1961, v. 8, no. 4, p. 85-89.

DESCRIPTORS: *Salinometers, Feed water, Boilers, Power plants (Establishments), Steam, Salinity, Design.

Salinometers are described which may be used for the continuous operational control of the water regime in present-day power stations, and especially power stations with once-through boilers, These are built in four versions, viz.: to control the quality of the superheated steam, the feed water of once-through boilers, the distillate of evaporators and the turbine condensate. (Engineering--Chemical, TT, v. 10, no. 12)

63-24081

I. Mostofin, A. A.
II. Sorokina, N. S.
III. CE Trans-2714
IV. Central Electricity Generating Board (Gt. Brit.)

Office of Technical Services

(NY-2900/62)

The Utilization of Gas-Turbine Installations in Large-Scale Power Engineering, 11 pp. by A. G. Kostyuk by G. I. Shuvalov.

RUSSIAN, per, Teploenergetika, May 1961, pp 3-6.

JPRS 9865

164,978

USSR

Econ

Aug 61

Kostyuk, A. G. and Shuvalov, G. I.
USING GAS TURBINE INSTALLATIONS IN LARGE CAPACITY POWER SYSTEMS. [1961].
Order from FT $12.30 FT-601

Trans. of Teploenergetika (USSR) 1961 [v. 8] no. 5, p. 3-6.

DESCRIPTORS: *Power plants, USSR, *Gas turbines.

(Engineering--Mechanical, TT, v. 6, no. 4)

61-22989

I. Kostyuk, A. G.
II. Shuvalov, G. I.
III. FT-601
IV. Faraday Translations, New York

NLL 113323

177724

Office of Technical Services

Kaplan, M. P.
DETERMINING THE OPTIMUM PARAMETERS FOR COMBINED STEAM-GAS TURBINE CYCLES. [1961]. Order from FT $13.60 FT-605

Trans. of Teploenergetika (USSR) 1961, v. 8, no. 5, p. 6-11.

DESCRIPTORS: *Gas turbines, *Steam turbines, Turbines.

(Machinery--Engineering, TT, v. 6, no. 11)

61-25558

I. Kaplan, M. P.
II. FT-605
III. Faraday Translations, New York

NLL RT 2960

Office of Technical Services

Klitin, N. P., Nechaev, V. A. and others.
TESTING THE PERFORMANCE OF THE GTU-600-1.5 GAS TURBINE PLATE REGENERATOR. [1961].
Order from FT $13.90 FT-614

Trans. of Teploenergetika (USSR) 1961 [v. 8] no. 5, p. 11-17.

DESCRIPTORS: *Gas turbine regenerators, Test methods, Tests

(Machinery--Engines, TT, v. 7, no. 8)

61-25416

I. Klitin, N. P.
II. Nechaev, V. A.
III. FT-614
IV. Faraday Translations, New York

201483

Office of Technical Services

Prokopenko, A. G., Lazarenko, A. V. and others.
STARTING MODES AND TEMPERATURE STATE OF THE VKT-100 TURBINE. [1961]
Order from FT $14.50 FT-604

Trans. of Teploenergetika (USSR) 1961 [v. 8] no. 5, p. 17-24.

DESCRIPTORS: *Turbines, Starting, Temperature.

(Machinery--Engines, TT, v. 6, no. 10)

61-25414

I. Prokopenko, A. G.
II. Lazarenko, A. V.
III. FT-604
IV. Faraday Translations, New York

187336

Office of Technical Services

Boloban, P. E. and Davydov, N. I.
SPECIAL AUTOMATIC CONTROL FEATURES OF SINGLE BOILER-SINGLE TURBINE UNITS IN THERMAL ELECTRIC POWER STATIONS. [1961]
Order from FT $12.50 FT-609

Trans. of Teploenergetika (USSR) 1961, v. 8, no. 5, p. 25-28.

DESCRIPTORS: *Power plants, Electric power production, Heat production, *Boilers, *Turbines, Control systems.

(Engineering--Mechanical, TT, v. 6, no. 10)

61-25418

I. Boloban, P. E.
II. Davydov, N. I.
III. FT-609
IV. Faraday Translations, New York

Office of Technical Services

Heat-Resistant Steel as a Bolting Material for Steam Power Installations, by L. Ya. Liberman, M. N. Sokolova.

RUSSIAN, per, Teploenergetika, Vol VIII, No 5, 1961, pp 28-34.

BISI 2451
NLL M. 3550 171, 402

Sci

Oct 61

APPROVED FOR RELEASE: Thursday, August 28, 2003 CIA-RDP91-00929R000100270005-7

Ratner, A. V. and Kagan, D. Ya.
INVESTIGATING CORROSIVE ACTION IN PACKINGS.
[1961]
Order from FT $11.75 FT-612

Trans. of Teploenergetika (USSR) 1961 [v. 8] no. 5, p. 35-39.

DESCRIPTORS: *Gasket, *Hydraulic seals, *Pneumatic packing, Corrosion, Corrosion research.

(Metallurgy--Corrosion, TT. v. 6, no. 10)

61-25415

I. Ratner, A. V.
II. Kagan, D. Ya.
III. FT-612
IV. Faraday Translations, New York

Office of Technical Services

Krol, L. B., Kemel'man, G. N. and others.
A STUDY OF SUPERHEATED STEAM TEMPERATURE CONTROL BY THE GAS RECIRCULATION METHOD. [1961]
Order from FT $14.50 FT-608

Trans. of Teploenergetika (USSR) 1961, v. 8, no. 5, p. 39-45.

DESCRIPTORS: *Steam, *Temperature control, Control, Gases, Heat transfer.

(Physics--Thermodynamics, TT, v. 6, no. 11)

61-25555

I. Krol, L. B.
II. Kemel'man, G. N.
III. FT-608
IV. Faraday Translations, New York

Office of Technical Services

Permyakov, V. A., Danilenkova, N. I. and others.
FLOW MODEL STUDIES OF THE AERODYNAMICS OF GAS CHANNELS IN TP-90 AND TP-100 BOILERS WITH T-SHAPED BURNER GROUPING.
[1961]
Order from FT $15.85 FT-607

Trans. of Teploenergetika (USSR) 1961 [v. 8] no. 5, p. 45-52.

DESCRIPTORS: *Boilers, *Ducts, Aerodynamics, Model tests, Gas flow, Gases.

(Mechanics--Aerodynamics, TT, v. 6, no. 4)

61-22991

I. Permyakov, V. A.
II. Danilenkova, N. I.
III. FT-607
IV. Faraday Translations, New York

17777b

Office of Technical Services

Dement'ev, B. A., Loginov, A. A. and others.
INVESTIGATIONS OF A CYCLONE SEPARATOR IN NATURAL CIRCULATION SYSTEM. [1961].
Order from FT $14.25 FT-610

Trans. of Teploenergetika (USSR) 1961 [v. 8] no. 5, p. 52-57.

DESCRIPTORS: Particles, Gases, Separation.

FTO-TT-64-622
9645902

(Machinery, Fabrications and Accessory Equipment, TT, v. 6, no. 4)

61-22992

I. Title: Cyclone separator
I. Dement'ev, B. A.
II. Loginov, A. A.
III. FT-610
IV. Faraday Translations, New York

177777

Office of Technical Services

Poslednichenko, Yu. G.
AN HYDRAULICALLY OPERATED SLAG CRUSHER. [1961].
Order from FT $10.50 FT-613

Trans. of Teploenergetika (USSR) 1961 [v. 8] no. 5, p. 57-59.

DESCRIPTORS: Hydraulic systems, *Ball mills, *Slags, Processing.

(Metallurgy, TT, v. 6, no. 4)

61-22994

I. Poslednichenko, Yu. G.
II. FT-613
III. Faraday Translations, New York

177779

Office of Technical Services

Prokhorova, A. M.
RESTORING THE LOST EXCHANGE CAPACITY OF STRONGLY BASIC ANION EXCHANGERS. [1961].
Order from FT $14.95 FT-611

Trans. of Teploenergetika (USSR) 1961 [v. 8] no. 5, p. 66-70.

DESCRIPTORS: *Ion exchange, Exchange reactions.

(Chemistry--Physical, TT, v. 6, no. 4)

61-22993

I. Prokhorova, A. M.
II. FT-611
III. Faraday Translations, New York

177775

Office of Technical Services

Subbotina, N. P.
THE USE OF H-CATION EXCHANGE WITH STARVATION REGENERATION IN SCHEMES OF CHEMICAL DESALTING OF WATER. [1961].
Order from FT $16.50 FT-602

Trans, of Teploenergetika (USSR) 1961 [v. 8] no. 5, p. 71-76.

DESCRIPTORS: *Water, Desalination, Hydrogen, *Ion exchange, Exchange reactions.

(Engineering--Chemical, TT, v. 6, no. 4)

61-22990

I. Subbotina, N. P.
II. FT-602
III. Faraday Translations, New York

177795

Office of Technical Services

Rational Parameters for Steam Power Plant Installations With Waste Heat Boilers, by V. M. Datskovskiy.

RUSSIAN, per, Teploenergetika, Vol VIII, No 5, 1961, pp 76-78.

FT-603

Sci
Mar 62

189,538

Vol VII, No 2

Mamedov, A. M.
THERMAL COEFFICIENTS OF WATER. [1961].
Order from FT $7.70 FT-616

Trans. of Teploenergetika (USSR) 1961 [v. 8] no. 5, p. 79-81.

DESCRIPTORS: Water, Thermodynamics.

(Physics--Thermodynamics, TT, v. 6, no. 4)

61-22995

I. Mamedov, A. M.
II. FT-616
III. Faraday Translations, New York

177711

NLL 01 3736

Office of Technical Services

(NY-2900/62)

Certain Observations on the Selection of the Final Parameters for a New Series of High-Power Condensation Turbines of the Leningrad Metal Plant, 21 pp.

RUSSIAN, per, Teploenergetika, May 1961, pp 81-85.

JPRS 9865

169,977

USSR

Econ

Aug 61

APPROVED FOR RELEASE: Thursday, August 28, 2003 CIA-RDP91-00929R000100270005-7

(SF-1877)

Future Development of Power Engineering, 3 pp.

RUSSIAN, per, Teploenergetika, No 6, 1961, pp 3-5.

JPRS 4898

USSR

164 942

Econ

Aug 61

APPROVED FOR RELEASE: Thursday, August 28, 2003 CIA-RDP91-00929R000100270005-7

Generalization of Experimental Data on the Heat Conductivity of Steam, by N. B. Vargaftik, A. A. Tarzimanov, 4 pp.

RUSSIAN, per, Teploenergetika, No 6, 1961, pp 5-8.

Interntl Physical Index
Power Express
Vol I, No 3

Sci - Phys

Jun 62

200,985

Calculation of the Outflow of Saturated and Moist Steam Nozzles, by I. I. Novikov.

RUSSIAN, per, Teployenergetika, N Vol VIII, No 6, 1961, pp 9-11.

NLL M. 3538

Sci - Engr
Jun 62

201,031

APPROVED FOR RELEASE: Thursday, August 28, 2003 CIA-RDP91-00929R000100270005-7