

Polish Endocrinology,
ENDOKRYNOLOGIA POLSKA, Vol. XXIII, No. 5, 1972.
NTIS tt 72 54008705

ENDOKRYMOLOGIA POLSKA, No.6, 1972, pp.411-461.
NTIS TT 72-54008/06

Oziabło, L.

Estimation of zinc and cobalt content in human semen.
ENDOKRYNOLOGIA POLSKA, Vol 24, No 1, 1973, pp 91-95

NTC 73-14624-07B

Stoica, Gl.

Reduction of Fuel Consumption in Electropower
System Discussed, 5 pp.

ENERGETICA, Bucharest, Sep 73, pp 401-404.

JPRS 61060

Feb 74

Technical Session of Power Institute, Enterprise
Reported, 8 pp.
ENERGETICA, Bucharest, Dec 73, pp 578-580.
JPRS 61873

Jun 74

Selective Films on Glass and Their Characteristics, by
N. B. Rekant, 12 pp.
ENERGETICHESKIY INSTITUT. PREOBRAZOVATELI SOLNECHNOY
ENERGIY NA POLUPROVODNIKAKH, Nauka Press, 1968,
pp 190-199.
ARM/FSTC/HT-23-1028-72

Mar 73

ASSIGNMENT OF NONLINEAR BOUNDARY CONDITIONS O
F THE THIRD TYPE ON MODELS MADE OF

MATSEVIMYY, YU. LANGUAGE-RU COUNTRY-UR

ENERGETICHESK. MASHINSTROY. KHARKOV, NO. 7 1
968 PP 27-31

FSTC-HT-23-1599-73

Voznesonskii, A.N. et al. 1967
Energy resources of the USSR - Waterpower resources
(Energeticheskie resursy SSSR - gidroenergeticheskie
resursy)
Izd. "Nauk," Moscow, 599p. In Russian.

Transl. by IPI for U.S. Dept. of Int., 1971, 646pp.,
monog. Avail. DDC as TT 70-50069, price \$9.00.

Avail. on loan - DDC, Wash., D.C.

Original Article Checked *MS*

Power Systems for Spacecraft, Part I, by
A. A. Kulandin, S. V. Timashev, 264 pp.
RUSSIAN, bk, Energeticheskiye Sistemy Kosmicheskikh
Apparatov, Moscow, 1972, 427 pp.
JPRS 58612-1

Apr 73

Power Systems for Spacecraft, Part II, by
A. A. Kulandin, S. V. Timashev, 191 pp.
RUSSIAN, bk, Energeticheskiye Sistemy Kosmicheskikh
Apparatov, Moscow, 1972, 427 pp.
JPRS 58612-2

Apr 73

KASATKINA, L. G.

//ENERGETICHESKOYE MASHINOSTROYENIYE (KHARKOV)//

--/--/1970, V----, N0009,

Muffler system for a setup used in a study of turbine-

blade cooling, 7 pp.

pp 124-128, AIR/FTD-HT-23-1103-7400

KAPINOS, V. K.

//ENERGETICHESKOYE MASHINOSTROYENIYE//

---/---/1970, V-----, NO. 10,

Study of Local Heat Exchange Along the Contour

of a Turbine Profile, 2 p1

FD 02-47, ATR/STB/IR-83-014-7100

Shamraev, N. G.

Utilization of Transformer Oil at Low Temperatures

ENERGETIK, v. 15, n. 10, 1967

LJFT LJFT-195

Yanovskiy, L. P.

*Control of the rapping regime of collecting electrodes of
electrostatic precipitators.*

ENERGETIK, Vol 11, 1972, pp 18-18

NTC 73-14625-13B

TESTING TURBOGENERATORS IN OPERATIONAL CONDIT
IONS

BUCHANOV, P. P. LANGUAGE-RU COUNTRY-UR

ENERGETIK, 1975, #4, "ENERGIYA", 23 -24.

FSIC-HT-25-0936-74

USSR Power Industry Announces 1973 Socialist
Obligations, 7 pp.
ENERGETIK, Moscow, No 5, May 73, pp 3-4.
JPRS 59518

Jul 73

Flakserman, Yu. N.

Economics of Energy System Development Described.

5 pp

ENERGETIK, Moscow, No 6, June 1973, pp 21-23.

JPRS 59633

Borisov, Ye. I.

Increased, Improved Electrification of Agriculture Urged.

6 pp

ENERGETIK, Moscow, No 7, 1973, pp 1-3.

JPRS 59942

Labor Productivity Increase in Power Industry
Stressed.

7 pp

ENERGETIK, Moscow, No 8, 1973, pp 3-4.

JPRS 60216

Zalogin, N. G.

Measures to Reduce Pollution From Electric
Power Stations Outlined, 5 pp.

ENERGETIK, Moscow, No 10, 1973, pp 6-8.

JPRS 61286

Mar 74

Parfir'yev, V. A.

Development of Atomic Electric Power Stations,
Channel-Type Reactors Traced.

5 pp

ENERGETIK, Moscow, No 6, June 74, pp 3-4.

JPRS 62518

Flakserman, Yu. N.

Technical Progress in Thermal Power.

6 pp

ENERGETIK, Moscow, No 8, Aug 74, pp 3-5.

JPRS 63023

Jirasek, V.

On the sulphur balance in steam generators.
ENERGETIKA, PRAGUE, 1966, v. 16, n. 4, p. 169-176.

NTC 73-12259-21B

KOUTNIK, J.
//ENERGETIKA. PRAGUE//
--/--/1969, V0019, N-----,
Fluid-Bed Combustion of Coal for Desulphurizing
the Combustion Products,
pp 222-228, NRC 74-20004-21B@

PODLAHA, J.
//ENERGETIKA. PRAGUE//
--/--/1969, V0019, N----,
Contribution to the Simulating of Atmospheric
Diffusion Procedures,
pp 489-492, NTC 74-20005-20D@@

Decade of 'Mir' Unified Power Systems Work
Reviewed, by Gencho Kalaykov, 8 pp.
BULGARIAN, per, Energetika, Sofia, No 9,
Sep 72, pp 1-5.
JPRS 58545

Apr 73

Trojanowski, Jerzy

Power Industry Plant Targets to 1975 Outlined,
5 pp.

ENERGETYKA, Warsaw, No 7, Jul 73, pp 219-221.

JPRS 60077

Oct 73

GHIMPATI-POPESCU, CR.
//ENERGETICA://
--/--/1972, V0020, N0011,
Damage to chimney stacks of power stations,
pp 524-532 C. E. TRANS 6427@@

RUSSIAN *JPRS-58700* *94* *CSO: 8344/1758 W*
6 March 1973 *SF*

Determining power conversion ratios and thermal efficiencies for atomic electric power station thermal layouts, by M.I. Shchepetil'nikov.

Minak, Energetika, No. 12, 1972, pp 75-81.

Please publish and provide JPRC/ad hoc with a copy and the source. Make reproductions, if possible, document may be clipped.

Hraseova, V.

Colorimetric determination of sulphur dioxide in combustion products.

ENERGETIKA. PRAGUE, 1966, pp 344-346,

v. 16, n. 7.

NTC 73-12104-07B.

Rusnak, Milan

Power Situation Last Winter and in Forth-
coming Winter Season, 10 pp.

GOVERNMENT USE ONLY

ENERGETIKA, Prague, No 8, Aug 73, pp 337-341.

JPRS/L 4718

Nov 73

Lis, Inzynier Bronislaw

Vice Minister Bartoszek Comments on Power Industry.

5 pp

ENERGETYKA, Warsaw, Sept 1973, pp 289-291.

JPRS 60672

Goldschmidt, Jan

First Czechoslovak Nuclear Power Plant
Reviewed, 9 pp.

GOVERNMENT USE ONLY

ENERGETIKA, Prague, No 7, Jul 74, pp 273-276.

JPRS/L 5013

Gen 74

Technical Progress in Electric Power Engineering
in the Ukraine, by G. A. Klimenko, 6 pp.
RUSSIAN, per, Energetika i Elektrifikatskiya,
Kiev, No 1, Jan-Feb 1973, pp 3-6.
JPRS 58800

Apr 73

Efficiency in Atomic Electric Power Stations,
by V. S. Vitrenko, 5 pp.
RUSSIAN, per, Energetika i Elektrifikatsiya,
Kiev, No 1, Jan-Feb 1973, pp 29-31.
JPRS 58800

Apr 73

Plans for Further Development of Electrical
Energy, 7 pp.
ENERGETIKA I ELEKTRIFIKATSIYA, Kiev, No 2,
Mar-Apr 73, pp 3-6.
JPRS 59666

Sep 73

Yershevich, V. V.

Peak Electrical Loads in the Southern
Electric-Power System, 6 pp.
ENERGETIKA I ELEKTRIFIKATSIYA, Kiev, No 2,
Mar-Apr 73, pp 7-9.
JPRS 59666

Sep 73

Tsuyakh, V. N.

Electric Power for Agriculture in the
Ukrainian SSR, 7 pp.

ENERGETIKA I ELEKTRIFIKATSIYA, Kiev, No 2,
Mar-Apr 73, pp 46-49.

JPRS 59666

Sep 73

Masumov, V. I.

Power System Progress Reduces Yield on Investment.

8 pp

ENERGETIKA I ELEKTRIFIKATSIA, Moscow, No 3,

1973, pp 23-26.

JFRS 59841

Makukhin, A. N.

Results and Plans of Electric Power Production in
the Ukraine Discussed.

6 pp

ENERGETIKA I ELEKTRIFIKATSIYA, Kiev, No 1, 1974,

pp 3-6.

JPRS 61765

Martynyuk, V. I.

Ukrainian Rural Power Networks Discussed.

5 pp

ENERGETIKA I ELEKTROFIKATSIYA, Kiev, No 4, Jul-

Aug 74, pp 39-41.

JPRS 63066

Potentials of Candidate Energy Sources Discussed.
3 pp
ENERGETIKA I TRANSPORT, Moscow, No 3, May-Jun 74,
pp 6-7.
JPRS 62774

Kostenko, M. P.

High-Power Generators for Atomic Power Plants
Described.

7 pp

ENERGETIKA I TRANSPORT, Moscow, No 6, 1973,

pp 18-25.

JPRS 61383

Dollezhal', N. A.

Reactor Choices for Future Nuclear Power Disc...

9 pp

ENERGETIKA I TRANSPORT, Moscow, No 3, May-Jun 74,

pp 20-26.

JPRS 62774

trojanowski, Jerry

Data on 1973 plan fulfillment, 1974 tasks of
Power Industry, 5 pp.

ENERGETYKA, Warsaw, May 74, pp 145-148.

JPRS 62326

708 74

E. ISTVAN

Compensations Used in the Calculation of Thermal
Requirements in Heating.

ENERGIA ES ATOMTECHNIKA, Vol 24, pp 358-363, 1971.

NTC 73-10016-20M

Mar 73

Nagy, Zoltan

Progress and Tasks of Construction of the
Paks Nuclear Power Plant, 9 pp.
ENERGIA ES ATOMTECHNIKA, Budapest, No 8, Aug 74,
pp 347-353.
JPRS 63420

Dec 74

Csom, Gyula

Nuclear Research at the Nuclear Reactor of
Budapest Technical University, 11 pp.
ENERGIA ES ATOMTECHNICA, Budapest, No 8,
Aug 74, pp 362-365.
JPRS 63420

Doc 74

T. SCOZZAFAVA

Faraday Effect Instrument Transformers for UHV
Power Plants.

ENERGIA ELETTRICA, Vol 47, pp 655-664, 1970.

NTC 73-10094-09C

Mar 73

PATTINI, G.

//ENERGIA ELETTRICA//

--/--/1972,V0049,N-----,

Variation of the Electric Strength of Solid
Insulating Materials Subjected to Alternating
Voltage,

pp 395-402,NTC 74-10351-0900@

Predetermination of Short-Term Flows of Watercourses,
by M. Thomasino.

L'ENERGIA ELETTRICA, Vol. 49, No 2, 1972, pp 81-93.

*NPTIS TT 73-55025

Mar 73

Bidimensional Structures for Overhead Electric Lines,
by L. Paris.

L'ENERGIA ELETTRICA, Vol 49, No 2, 1972, pp 107-121.

*NTIS TT 73-53025

Mar 73

First Use of Tower With Rotating Insulating Cross Arms
for 380kv (Double Circuit) Transmission lines for the
Connection Between the Power House and the Switchyard of
the Lago Delio Pumped-Storage Power Plant, by
D. Dell'Olio.

L'ENERGIA ELETTRICA, Vol. 49, No 3, 1972, pp 162-175.

*NTIS TT 73-53023

Mar 73

DIANA, G.

//ENERGIA ELETTRICA//

--/--/1972, VOO49, II----

The Vibrations of a Cylinder in the Wake of Another.

Analysis of the Phenomenon with an Analytical

Model.

IN 44-157, NFO 76-11191-00029

C E 6185

International meeting on flow interruption phenomena.
ENERGIA ELETTRICA, No 8, 1972, pp 548-550
C. E. trans 6299

UNKNOWN
//L'ENERGIA ELETTRICA//
---/---/1973, V0050, N-----,
Criteria Adopted in the Formulation of the Technical
Specifications for the Supply of Enel High and Very
High Tension Circuit-Breakers,
pp 244-249, HFC 74-11192-00020

Tarjan, Robert

Problems in Energy Supply Prospects Weighed,
18 pp.

ENERGIAGAZDALKODAS, Budapest, No 11-12, Nov-
Dec 73, pp 545-552.

JPRS 61082

Pub 74

Bunz, P.

Causes, Measurement and Limitation of particulate
Emission from oil-fired Steam Boilers

ENERGIE. MUNICH. v. 23, n. 5, 1971, p. 165-166

NTC 73-11730-13A

Snemus, F.

The economics of regular boiler pickling.

ENERGIE, Vol 23, No 7/8, Jul/Aug 1971, pp 235-240

ESB trans 531

WOMANN, H.

//EMERGIE//

--/--/1971, V0023, H----

Waste Incineration--An Industrial or Community
Task. Experiences with Incineration of Industrial
Waste at BASF.

pp 366-369, IIRC 74-11890-13180

Upmalis, A.

Recuperative and regenerative air preheaters.

ENERGIE, Vol 24, Oct 1972, pp 249-254

ESB trans 526

HAMMOND, R. P.

Energy: The Resource of the Future
ENERGIA NUCLEAR (MADRID), vol. 15, pp. 305-313, 1971
NTC 73-10063-05E

March 73

LASUC/D

15-Jul-74

Uncl (LA-1r--74-10) Physio-pathology of plutonium
contamination: fundamental concepts. SAENZ, M.D.L.;
RAMOS, E. Translated from Energ. Nuci. (Madrid); 17:
No. 84, 251-282(1973). 43p. Dep. NTIS \$5.25.

OR radiobiology: translations
NN-48 P NSA

Production of Electrical Energy and Other Applications
of Nuclear Energy (Nuclear Power and Special
Applications). Session B. 1. Review of the Demands
and of the World Resources of Energy up to the Year
2000.

ENERGIA NUCLEARE, Vol 18, pp 663-664, 1971.
NTC 73-10015-18L

Mar 73

VILLANI. S.
//ENERGIA NUCLEARE//
--/--/1974, V0021, N0003
Production of heavy water Part II
pp 139-154 C. E. TRANS 6538##

Mueller, Horst

Industrial Furnace Construction Discussed, 10 pp
ENERGIEANWENDUNG, East Berlin, Aug 74, pp 229-

232.

JPRS 63295

see 74

Kochle, H.

Iron oxide deposits and iron oxide formation in boilers.

ENERGIE, Vol 24, No 1, 1972, pp 4-9

NTC 73-13883-13A

CE TRANS 6096

J. GANSHEIMER

The Effect of Certain Vapours and Liquids on the
Friction Properties of Molybdenum Disulphide.
ENERGIE FLUIDE ET LUBRIFICATION ET HYDRAULIQUE
PNEUMATIQUE ET ASSERVISSEMENTS, No 10, pp 85-94, 1970.
NTC 73-10099-11H

Mar 73

Klump, W.

All look at corrosion, erosion and cavitation in
heat power plants
ENERGIE, MUENCHEN, v. 21, n. 11, 1969, pp. 382-389
NTC 72-12975-11F

Uncl (AEC-tr--7464) 20-Sep-73
Detritiation of heavy water from
nuclear reactors. LEGER, D.; DIRIAN, G.; ROTH, E.
Translated from Energ. Nucl. (Paris); 12: 135
142(1970). 20p. Dep. NTIS \$3.00.

07A chemical engineering; 07E chemistry (radio and
radiation); 18J reactor materials; translations
MN-4 P NSA

BOCCALART, M.
//ENERGIE NUCLEAIRE//
---/1971, VOCLIS, R0001,
Steel/Zirconium Mechanical and Metallurgical Joints,
PP 33-44, NTC 71-10503-18J60

Metteil, A.

Problems posed by the operation of nuclear power stations.

ENERGIE NUCLEAIRE, v. 13, p. 28-38, 1971

NTC 73-10807-18L

The Programme Agreement Between the State and E.D.F.
ENERGIE NUCLEAIRE, vol. 13, pp. 52-55, 1971
NCC 73-10095-05A

March 73

Blum, J. M.

The separation of boron isotopes
ENERGIE NUCLEAIRE, Vol 14, No 1, pp 33-37, Jan 1972
C.E. Trans 6176

may 73

DORNER, H.
//ENERGIE NUCLEAIRE//
--/06/1972,V0014,N0003,
Nuclear power plant components
pp 200-217,APL/JHU T-2866W#

Design Features of a New Class of BWR, by
A. P. Bray, 17 pp.
GOVERNMENT USE ONLY
FRENCH, per, Energie Nucleaire, Paris,
Vol 14, Nov-Dec 72, No 6, pp 415-423.
JPRS/L 4455

Apr 73

FRENCH

*Comp. Sp.
partial 15 pag. Ch 3**(49)*CSO: 8319/1404
29 Jan. 1974

1. Fuel Assemblies for Gas-Cooled Rapid Reactors, by J.M. Yellowless, et al;
2. Pressurized Water Reactors in the Federal Republic of Germany, by D. Knoedler;
3. The Components of Nuclear Power Plants, by H. Dorner, et al.

Paris, Energie Nucleaire, Vol 14, No 3, May-June 1972, pages 161-167, 180-189, 200-217.

Spec type B

Do not publish

Single spaced draft plus one

LECHER, J. H.
//STRANGE HIGHLIGHTS//
---/1973, VOL. 1, NO. 1,
From Ore to Concentrate: New Technique for, and
Aspects of, the Treatment of Uranium Ores, 212 pp.
ID 13-20, ITC 74-16783-18J68
JPRS/L 4537

Design of Industrial Plant for Vitrifying
Nuclear Waste, for Storing Very Highly
Radioactive Glass, by J. P. Giraud, 27 pp.
GOVERNMENT USE ONLY
FRENCH, par, Energie Nucleaire, Paris, Vol 15,
No 1, 1973, pp 41-50.
JPRS/L 4537

Jun 73

SEAWATER AND BRACKISH WATER DESALINATION

LIBERT, J

LANGUAGE-FR COUNTRY-FR

*completed
11/77*

ENERGIE NUCLEAIRE, VOL15, NO3, MAY-JUNE '73, PP
166-172

FSTC-HT-23-0667-74

Winkens, H. P.

Friesenheimer Insel, dual-fired heat and power
station, incorporating refuse incineration at
Manheim

ENERGIE UND TECHNIK, vol. 16, no. 7, 1964, pp. 211-
218

C. E. TRANS 6220

Formation of Precipitation and Fog by Cooling Towers,
by H. Henning.
ENERGIE UND TECHNIK, Vol 23, No 3, 1971, pp 87-79?
NAVY/APL/JHU-T-2707

May 73

RUSWURN, HANS-PETER
//ENERGIEANWENDUNG/
--/06/1974, V-----, N-----,
Better energy planning needed, 5 pp,
pp 161-163, JPRS82997##

UHLICH, KLAUS
//ENERGIEANWENDUNG//
--/08/1974, V---, N---,
Energy planning for 1975 discussed, 9 pp.
pp 183-185, JPRS62997##

MEHLIG. G.
//ENERGIETECHNIK//
--/06/1968, V0018, N0006
Determination of air exit conditions in the
case of evaporative cooling towers
pp 244-247 C. E. TRANS 6541##

SCHWARZ, D.

//MINUTE UND TECHNISCHE//
--/04/1973, V----, Ht, 5, 7

Development of High Temperature Reactors in the
German Federal Republic. Part 2,
G. E. Mann. 64506

D. Schaller

*Method for determination of reliability of supply in
electrical systems.*

*ENERGIETECHNIK, Vol 21, No 9, 1971, pp 391-394
O.A. trans 829*

apr 73

KRUEGER, H.
//ENERGIETECHNIK//
--/--/1972, V0022, H----,
Transformer Oils with Compound Synthetic Additives
for Improving Ageing Properties,
DP 106-111, NTC 74-11193-11193

REUTER, EDGAR

//ENERGIETECHNIK//

--/01/1973, V0023, N0001,

Technical Problems in the Conversion of Existing
Gas Distribution Networks from City Gas to Natural
Gas, 16 pp.

PP 31-35, FBIC-JUN-23-0304-74

DISTRIBUTION LIMITED TO US GOVT AGENCIES@@

ZSCHERNIG, J.
//ENERGIE-TECHNIK//
--/07/1973, V0025, N0002,
Application of Change of Direction Lattices to
Steam Drying,
pp 300-307, C. E. Trans. 6/6000

Schubert, Helmut

Use of GDR Natural Gas Evaluated, 14 pp.
ENERGIETECHNIK, Leipzig, Jul 73, pp 307-312.
JPRS 60093

Oct 73

Seifort, Guenter

Status, Developmental Problems of City Gas
Production Discussed, 13 pp.
ENERGIE TECHNIK, Leipzig, Aug 73, pp 345-350.
JPRS 60384

Nov 73

Freund, Woldemar

Problems in Preparing Operations at
Hagenwerder III Powerplant, 5 pp.
ENERGIETECHNIK, Leipzig, Aug 73, pp 350-352.
JPRS 60487

Nov 73

Gerisch, Gotthard

Application of Operations Research to Power
Industry Management Discussed.

12 pp

ENERGIETECHNIK, Leipzig, Sept 1973, pp 391-395.

JPRS 60695

Krause, Hans

Problems in Energy and Technology for 1974
Discussed, 18 pp.
ENERGIETECHNIK, Leipzig, Jan 74, pp 1-10.
JPRS 61812

Jun 74

Problems of Optimum Power Plants Discussed,
18 pp.
ENERGIETECHNIK, Leipzig, Jan 74, pp 18-25.
JPRS 61715

Jun 74

GIBBOLD, KIAN'S
//SECRET//
--/03/1971, R-----, PP 0377-0389
Development of Heavy Sector Discussed 19 pp
JPRS 63590

Lauer, G.

Practical experience obtained with the German licensing procedure for nuclear power stations

ENERGIEWIRTSCHAFTLICHE TAGESFRAGEN, Vol 22, No 5, 1971,
pp 225-232

C. E. Trans 6213

LAUER, G.
//ENERGIEWIRTSCHAFTLICHE TAGESTRAGEN//
--/--/1972, V0022, N0005,
Practical Experience Obtained with the German
Licensing Procedure for Nuclear Power Stations,
PP 225-232, ATC 74-11165-12100