

A Combined Method of Disconnecting
Power Electric Circuits, by N. F. Shishkin,
P. Ya. Danilin.

RUSSIAN, per, Elektrichestvo, Vol VII,
No 7, 1960, pp 47-50.

MLL M.3301

Sci - Electricity

186,592

Feb 62

Belyakov, N. N. and Sherentsis, A. N.
DER SCHUTZ VON 35 - 500 kV - VERTEILUNGSAN-
LAGEN GEGEN ATMOSPHERISCHE UEBERSpanNUNGEN
UNTER MODERNEN GESICHTSPUNKTEN (The Pro-
tection of 35 - 500 kV Distribution Gears against
Atmospheric Overtension under Modern Considerations).
15p.

Order from TIB \$2.45

Trans. in German of Elektrichestvo (USSR) 1960, no. 7,
p. 51-56.

DESCRIPTORS: Distributors, *Atmospheric electricity,
Voltage, *Transmission gears.

(Engineering--Electrical, TT, v. 9, no. 11)

62-27253

- I. Belyakov, N. N.
- II. Sherentsis, A. N.
- III. Technische Informations-
bibliothek, Hannover
(West Germany)

Office of Technical Services

Flashover Characteristics of Long Insulator
Strings for Lines Operating at 500 KV and Above,
by N. N. Tikhodeyev, A. N. Tushnov, 12 pp.

RUSSIAN, per, Elektrichestvo, No 7, 1960,
pp 56-61.

SIA 60-18764

Revised Trans. to
Russian by TIE

Sci

Apr 61

146, 210

(SF-1038)

Sverdlovsk, USSR 500 KV Electric-Power
Substation, by L. D. Gustov, M. I. Levin,
A. M. Marinov, L. M. Myzin, A. P. Petrokov,
12 pp.

RUSSIAN, per, Elektrichestvo, No 7, 1960,
pp 61-65.

JPRS 4060

USSR
Econ - Electric Power
Sep 60

127,080

Mechanism of Flashover Along Layers of Oil-Paper
Insulation in a d-c System, by M. A. Greisukh, 20pp

RUSSIAN, per, Elektrichestvo, No 7, 1960,
pp 77-82.

JPRS 13099
9*AEC AWRE Tr 39
(notified)

Sci - Electron
Oct 62

JPRS 13099 notified 10/29

Review Trans to
German by TIK

OTS 63-24664

(SF-1038)

Prospects of Utilizing Direct-Current Transmission
in the USSR, by Ye. S. Groys, 10 pp.

RUSSIAN, per, Elektrichestvo, No 7, 1960, pp 86-89.

JPRS 4041

USSR

Econ - Electric power

Sep 60

125,705

(NY-2900/24)

Conference Concerning Transformer Manufacture, by
A. G. Krayz, 14 pp.

RUSSIAN, per, Elektrichestvo, No 7, 1960,
pp 89-93.

JPRS 7856

USSR

Econ

Mar 61

142,695

(DC-4600/1)

Accounting for the Inter-System Effect in
Designing Large Power Transmission Lines, by
V. V. Bolotov, G. Ye. Burtseva, Ye. P. Zakharova,
15 pp.

RUSSIAN, per, Elektrichestvo, No 8, 1960, pp 16-22.

JPRS 6387

USSR
Econ
Jan 61

135,974

R-167-60

(DC-4401).

Principles of Development of the United Siberian
Power System, by V. I. Weitz, 14 pp.

RUSSIAN, per, Elektrichestvo, No 8, 1960,
pp 22-28.

AS 36 US 4 6054
JPRS 6054

USSR

Econ - Electric Power

Oct 60

128,175

Induction Meters and Wattmeters by
Thermistors, by A. M. Ilyukovich. 101 p.

RUSSIAN, per, Elektrichestvo, No 8,
1960, pp 76-78.

Sci - Electricity

Feb 62

MLL M.3326
1000 is Trans to
Nuclear by TIE
186,587

A METHOD FOR TAKING ACCOUNT OF POWER
SYSTEM OPERATING CONDITIONS AT THE
DESIGN STAGE, BY V. M. GORNSHTEIN.

RUSSIAN, PER, ELEKTRICHESTVO, NO 9, 1960,
PP 4-11.

NLL M.4664

OTD 62-1711

SCI - ENGR

JUN 62

199,113

Kazachkov, A. I., Klimov, V. A., and Polyak, G. I.
USE OF A CALCULATING BOARD IN COMPUTING
AN ELECTRIC SYSTEM WITH DIRECT CURRENT
TRANSMISSION, tr. by A. A. Osipovich. 15 Sep 61

[7]p. 4 refs.

Order from OTS or SLA \$1.10

62-32771

Trans. of *Elektrichestvo* (USSR) 1960, no. 9,
p. 11-14.

DESCRIPTORS: *Power, *Transmission lines, Direct
current, Synthesis, Electrical engineering.

(Engineering--Electrical, TT, v. 10, no. 3)

62-32771

- I. Kazachkov, A. I.
- II. Klimov, V. A.
- III. Polyak, G. I.
- IV. Bonneville Power Administration,
Portland, Ore.

Office of Technical Services

A Powerful AC-DC Converter, by N. S. Klimov,
14 pp.

RUSSIAN, per, Elektrichestvo, No 9, 1960,
pp 29-34. 9671161

Sci - Electricity

20 Oct 61

FTD NCL-1224/1

Reference Translated Summary
191,535

Ipatenko, N. R.
DIE DYNAMISCHE STABILITÄT VON SYNCHRONMO-
TOREN UND SYNCHRONISIERTEN ASYNCHRONMO-
TOREN MIT VERBUNDERREGUNG BEI STOSSWEISER
BELASTUNG (The Dynamic Stability of Synchronous
Motors and Synchronized Asynchronous Motors with
Compound Excitation during Pulsating Load). 6p.
Order from TIB \$1.30

Trans. in German Elektrichestvo (USSR) 1960, no. 9,
p. 59-62.

DESCRIPTORS: Dynamics, Stability, *Synchros, In-
duction motors, Excitation.

(Engineering--Electrical, TT, v. 10, no. 8)

63-27543

I. Ipatenko, N. R.
II. Technische Informations-
bibliothek, Hannover
(West Germany)

Office of Technical Services

The Nature of the Electrical Strength of 'Samica'
Insulation, by K. A. Andryanov, et al.

RUSSIAN, per, Elektrichestvo, No 9, 1960, pp 73-80.

WLL M. 3338

Sci - Eng

Apr 62

191,914

61-22442 ,

ELECTRIC TECHNOLOGY U.S.S.R., 1960, VOL. 8,
P. 485-642. Mar 61, 1v.
Order from PP \$14.00, \$56.00/year

I. Pergamon Press, Inc.,
New York

Trans. of Elektrichestvo (USSR) 1960, no. 10, p. 1-7,
35-41, 56-62; no. 11, p. 20-28, 76-86; no. 12, p. 9-15,
28-34, 58-69. Abstracts are included of the papers
which are not translated in full.

DESCRIPTORS: *Electrical engineering, *Electrical
equipment, *USSR

Contents:

Self-adjusting decentralized system automatically con-
trolling power system frequency and real power flow,
by A. G. Moskalev

Transients in magnetic amplifiers with an RL (active
inductive) load in the rectified current circuit, by
Khu-Tazia-lao and V. A. Shubenko

A new instrument for investigating surge phenomena in
(Engineering--Electrical, TT, v. 6, no. 1) (over)

Office of Technical Services

Transient Responses in Magnetic Amplifiers With an
RL Load Supplied Through a Rectifier Circuit, by
Hu Tsia-Yao, V. A. Stabenko, 6 pp.

RUSSIAN, per, Elektrichestvo, No 10, 1960, pp 35-41.

Internatl Phys Index
Automation Express
Vol III, No 6

Sci - Electron

May 61

150,457

The Correction of Thermister Temperature
Characteristics, by G. K. I. Nokolayev.

RUSSIAN, per, Elektricheskoye, No 10,
1960, pp 63-64.

MLL M.3464

Sci - Electricity
Apr 62

193,801

61-22442

ELECTRIC TECHNOLOGY U.S.S.R., 1960, VOL. 8,
P. 485-642. Mar 61, 1v.
Order from PP \$14.00, \$56.00/year

I. Pergamon Press, Inc.,
New York

Trans. of Elektrichestvo (USSR) 1960, no. 10, p. 1-7,
35-41, 56-62; ~~no. 11, p. 20-28~~ 76-86; no. 12, p. 9-15,
28-34, 58-69. Abstracts are included of the papers
which are not translated in full.

DESCRIPTORS: *Electrical engineering, *Electrical
equipment, *USSR

Contents:

Self-adjusting decentralized system automatically con-
trolling power system frequency and real power flow,
by A. G. Moskalev

Transients in magnetic amplifiers with an RL (active
inductive) load in the rectified current circuit, by
Khu-Tszia-lao and V. A. Shubenko

A new instrument for investigating surge phenomena in
(Engineering--Electrical, TT, v. 6, no. 1) (over)

Office of Technical Services

(DC-6779)

Problems of Electric Power Regionalization on the
Example of the Chinese People's Republic, by
Hsu Shou-po, 27 pp.

RUSSIAN, par, Elektrichestvo, No 12, 1960, pp 15-20.

JPRS 13804

Asia - China
Econ
May 62

196, 140

ON THE PROBLEM OF PROVIDING DISTANCE PROTECTION
AGAINST ALL TYPES OF MULTIPHASE LINE FAULTS, BY
S. B. LOSEV.

RUSSIAN, PER, ELEKTRICHESTVO, NO 12, 1960,
PP 47-58.

NLL M. 3726

SCI - ENGR

OCT 62

214,717

Spark Prevention in Electrical Equipment
Operating in Explosive Atmospheres,
by V. S. Kravchenko, P. A. Fetisov.

RUSSIAN, per, Elektrichestvo, No 12,
1960, pp 48-52.

NEL M.3440

Sci - Electricity

Apr 62

193,798

Design Tensions of Steel-Aluminium Conductors, by
C.G.Vekselman.

RUSSIAN, per, Elektrichestvo, 1961, pp 9-15
HZDSIB/Ref No 764

Sci -

Aug 67

335,107

Brushless Synchronous Generators, by
L. M. Palastin.

RUSSIAN, per, Elektrichestvo, Vol III, 1961,
pp 51-56.

R.A.E. No 974

181, 293

Sci - Engr

FORM 62
Jan

CURRENT TRANSFORMERS WITH AN AIR GAP, BY I. M.
SIROTA.

RUSSIAN, PER, ELEKTRICHESTVO, NO 1, 1961, PP 56-61.

NLL M. 3796

SCI - ELECTRICITY

OCT 62

214,722

Transients in Current Transformers, by
E. M. Pevzner.

RUSSIAN, per, Elektrichestvo, No 1, 1961,
pp 61-66.

NLL Ref: 9022.03 1964 (3365)
(loan copy)

Sci
Sep 64

The Intrinsic Safety of High-Frequency
AC Circuits, by V. S. Kravchenko,
Sov. Yuzh.-chi.

RUSSIAN, per, Elektrichestvo, No 1,
1961, pp 77-88.

MLL M.34EX55

Sci - Electricity
Apr 62

193, 799

(DC-4600/8)

Unification of the USSR Electric Power Systems
in Europe and Siberia, by V. I. Veyts, et al,
20 pp.

RUSSIAN, per, Elektrichestvo, No 2, 1961,
pp 1-9.

JPRS 8650

USSR
Econ
Aug 61

163,335

Electric Breakdown of Microgaps in a Gas, by
U. Frolov. 12 p/p.

RUSSIAN, per, Elektrichestvo, No 2, 1961, pp 73-76.

NASA TT F-8361

OTS 63-16639

Sci

Apr 63

US GOV'T ONLY

229,232

NLL Ref: 5828.4 (1961)

A Graphical and Analytical Method of Calculating
the Performance of Electrical Apparatus, by
B. K. Bal'.

RUSSIAN, per, Elektrichestvo, No 3, 1961,
pp 23-35.

REL M 5148

Sci - Electron
May 63

229,808

Palastin, L. M.

BRUSHLESS SYNCHRONOUS GENERATORS (Sinkhronnyye Generatory Bez Shchetchnogo Kontakta) tr. by G. Kinner, Oct 61 [11p] 7 refs RAE Library Trans. no. 974; AD-267 698.

Order from OTS, SLA, or ETC \$1.50 TT-63-21340

Trans. of Elektrichestvo (USSR) 1961, no. 3, p. 51-56. (Abstract available)

DESCRIPTORS: *Generators, *Permanent magnet generators, Rectifiers, Rotation, Electromagnetic properties, Magnets, Electric discharges, *Aircraft equipment.

The paper reviews the development of brushless synchronous generators both in the U. S. S. R. and elsewhere. In rotating-rectifier generators, the use of compound exciters, with combined electromagnetic (Engineering--Electrical, TT, v. 11, no. 2) (over)

TT-63-21340

- I. Palastin, L. M.
- II. RAE Trans-974
- III. AD-267 698
- IV. Royal Aircraft Establishment (Gt. Brit.)

Office of Technical Services

The Dielectric Properties and Stability
of Transformer Oils, by Ch. M. Dzhuravly.

RUSSIAN, per, Elektrichestvo, No 3, 1961,
pp 83-86.

MLL M.3469

Sci - Electronics

Apr 62

193, 915

Calculation on Digital Computers of Transient
Processes on Synchronous Machines by Differential
Equations With Recurring Coefficients, by
R. B. M. Kagan.

RUSSIAN, per, Elektrichestvo, No 4, 1961, pp 43-48.

NIL RTS 2805
(loan)

238, 114

Sci -
Jul 63

AN ELECTROSTATIC GENERATOR, BY N. G. DROZDOV,
A. I. KUKARIN, B. S. SAVASHKEVICH, 8 PP.

RUSSIAN, PER, ELEKTRICHESTVO, NO 4, 1961,
PP 18-50. 9677447

FTD-TT-62-35

SCI-ENGR
10 JUL 62

202,232

Prizeventsev, V. A.
ALUMINUM WINDING CONDUCTORS WITH ENAMEL
AND FIBER INSULATION, Feb 62.
Order from MT #2: 15s

MT Trans-195

Trans. of Elektrichestvo (USSR) 1961, no. 4, p. 68-73.

DESCRIPTORS: *Conductors, *Wiring diagrams,
*Aluminum, *Enamel coatings, Fibers, *Electric
insulation.

(Engineering--Electrical, TT, v. 8, no. 2)

62-17035

- I. Prizeventsev, V. A.
- II. MT Trans-195
- III. Tollemache, M. de O.
(Gt. Brit.)

Office of Technical Services

Choice of Safety Factor and Computation in
Designing Electromagnetic Mechanisms of a
Required Dependability, by Ya. A. Rips, 14 pp.

RUSSIAN, per, Elektrichestvo, No 4, 1961,
pp 76-81. 9668564

FTD-TT-63-37

Sci-Electronics
May 63

230,887

Simulating a System With Many Generators on an Analog
Computer, by N. I. Sokolov, Yu. E. Gurevich, 5 pp.

RUSSIAN, per, Elektrichestvo, No 5, 1961, pp 1-3.

Internatl Physical Index
Power Express
Vol I, No 3

Sci - Electron

Jun 62

200,987

63-14929

Kuchinskii, G. S. and Kaplan, D. A.
PERMISSIBLE FIELD POTENTIALS FOR PAPER-OIL
INSULATION OF APPARATUS OPERATING IN D. C.
TRANSMISSION LINES (Dopustimye Napryazhenosti
dlya Bumazhno-Maslyanoi Izolyatsii Apparatov,
Rabotayushchikh v Zlektroperedachakh Postoyannogo
Toka). [1963] [19]p. (foreign text included) 3 refs.
Order from OTS or SLA \$1.60 63-14929

I. Kuchinskii, G. S.
II. Kaplan, D. A.

Trans. of Elektricheskoye (USSR) 1961, no. 5, p. 64-68.

DESCRIPTORS: *Electric insulation, Direct current,
*Transmission lines, *Electric potential, Ionization,
Electric equipment, *Paper, *Oils, Transformers,

The permissible operating voltage in the case of d. c.
can be selected on the basis of the ionization charac-
teristics. Thereby, the intensity of the ionization
processes should not exceed the intensity of the initial
(Engineering--Electrical, TI, v. 10, no. 7) (over)

Office of Technical Services

POWER RELAY USING SEMICONDUCTORS, BY V. A.
GRINSHTEIN.

RUSSIAN, PER, ELEKTRICHESTVO, NO 5, 1961, P 70.

NLL M. 6015

SCI - ELECTRICITY, ELECTRON

OCT 62

214,715

Wave Deformation Due to Earth and Conductor
Resistance in a Multi-Conductor Line,
by M. V. Kostenko.

RUSSIAN, per, Elektrichestvo, No 6, 1961, pp 5-10.

NLL Ref. 9022.09 1963 (2,578)
(Loan)

Sci - Electron
Nov 63

OTS 63-23726 (71.60)
242,305
CE Trans 2578

Raising the Static Stability of a System by Regulating the DC Transmission Line, by

V. G. Nocitskiy.

RUSSIAN, per, Elektrichestvo, No 6, 1961, pp 58-61.

CIA X-6754

Oct 68

368,271

Increasing the Steady State Stability of a System
by Regulating the Flow of Direct Current, by
V. G. Novitskiy.

RUSSIAN, per, Elektrichestvo, No 6, 1961,
pp 58-60.

NLL RTS 1965
(loan)

Sci -
Jul 63

238,115

The Effect of Excitation Systems on the Stability of
Parallel Operation of Large Turbo-Generators, by
V. M. Borov, I. A. Glebov.

RUSSIAN, per, Elektrichestvo, No 7, 1961,
pp 7-13.

NLL M 5035

Sci - Electron
Mar 63

826,534

LONG-DISTANCE POWER TRANSMISSION WITH SATURABLE
REACTOR-TRANSFORMERS AND FORCED CAPACITOR BANKS,
BY D. I. AZAREV.

RUSSIAN, PER, ELEKTRICHESTVO, NO 7, 1961, PP 24-30.

NLL M. 6327

SCI - ELECTRON

OCT 62

214,791

CALCULATION OF TRANSIENT STABILITY TAKING
GOVERNORS AND EXCITATION REGULATORS , BY K. I.
BOGATEV. 11 pp.

RUSSIAN, PER, ELEKTRICHESTVO, NO 7, 1961, PP 31-34.

NLL M. 6288

SCI - ENGR

OCT 62

Received by TTB

214,712

Application of the Phase Plane Method to the Study
of the Mechanical Transient Processes of an
Electric Drive, by L. I. Gandra.

RUSSIAN, per, Elektrichestvo, No 7, 1961,
pp 68-72.

NLL M. 3859

Sci - Phys

Nov 62

217,554

Turbo Generators With a Large Unit Power Capacity, by
V. V. Titov, 4 pp.

RUSSIAN, per, Elektrichestvo, No 3, 1961, pp 1-4.

Interntl. Physical Index
Power Express
Vol I, No 3

Sci - Engr.

Jun 62

PHS 1124

200,984

Tuned Power Transmission Lines, by
V. K. Shcherbakov, 16 pp.
RUSSIAN, per, Elektrichestvo, No 8, 1961,
pp 25-30.
CIA/FDD XX-1747
NO FOREIGN DISSEM

Sci
Aug 65
USIB Internal Use Only

287,614

Optimum Geometrical Ratios in Induction Pumps for
Liquid Metals, by N. M. Okhremenko, 19 pp.

RUSSIAN, per, Elektrichestvo, No 9, 1961,
pp 10-16. 9681602

FTD-TT-62-1724

Sci-Engr
May 63

229,490

Geometrie optimale des pompes a induction pour
metaux liquides, by N. M. Okhremko, 25 pp.

RUSSIAN to FRENCH, per, Elektrichestvo, S.S.S.R.,
No 9, 1961, pp 10-16.

Reverse Translation
CEA-R-1510

Sci
Jun 64

Some Problems of Making a Power Directional Relay
Based on the Hall Effect, by V. G. Doroguntsev,
H. I. Ovcharenko.

RUSSIAN, per, Elektrichestvo, No 9, 1961, pp 57-63.

NLL M. 3580

Sci - Electron

Jul 62

07. 167

(SF-1877)

Basic Trends in Attaining Complete Electrification,
by N. N. Krachkovskiy, 6 pp.

RUSSIAN, per, Elektrichestvo, No 9, 1961, pp 91-92.

JPRS 11708

USSR

Econ

Jan 62

181,576

(SF-1877)

Creation of Material and Technical Base
of Communism Verses Soviet Power
Engineering, by M. A. Sarkisov, 9 pp.

RUSSIAN, ~~by~~ ¹/₂ Electrichestvo, Nov 1961,
pp 1-6. ~~Part~~

JPRS 13533

191,669

USSR
Econ
Apr 62

Problem of Dependability of Electric Motors, by
N. A. Tishchenko, 22 pp.

RUSSIAN, per, Elektrichestvo, No 11, 1961,
pp 7-14. 9668563

FTD-TT-63-55

Sci-Electricity
May 63

230,875

Special Considerations in Selecting the Armature
Windings of Certain D.C. Machines, by I. Z.
Ageev.

RUSSIAN, per, Elektrichestvo, No 11, 1961, pp 48-55.

NLL M 5037

Sci - Engr
Mar 63

224, 539

On the Class of Accuracy of Domestic Single Phase
Electric Meters, by B. N. Dolnitskiy, O. L. Rudnev.

RUSSIAN, per, Elektrichestvo, No 11, 1961,
pp 70-73.

MLL M 8977

Sol - Elec
May 63

229,137

Calculation of Electrical Characteristics of a Multi-Layer Dielectric Made From Impregnated Capacitor Paper, by D. S. Varshavskiy, 18 pp.

RUSSIAN, per, Elektrichestvo, No 11, 1961, pp 78-83.
9093504

ALL INFORMATION
U. K. Atomic Energy Authority
Aldermaston, AMRE Tr-36

Sci - Electricity
Jul 62

204, 686

Problem of Reliability of Electric Motors,
by N. A. Tishchenko, 11 pp.

RUSSIAN, per, Elektrichestvo, No 12,
1961, pp 16-19. 9668552

FTD-TT-63-36

Sci-Engr
May 63

230,619

The Study of Transient Processes in Current
Transformers by Means of Analogue Computers,
by Ya. S. Gelfand, 9 pp.

RUSSIAN, per, Elektrichestvo, No 12, 1961,
pp 40-44.

NLL Ref. 9022.09 1963 (2,601)
(Loss)

Sci - Electron
Nov 63

OTS 63-23951 (1.10)
242,354

Published in Elektrichestvo TIR
11-547

The Calculation of Buried Earth Electrodes
for Transmission Line Supports, by
A. B. Oslen, 8 pp.

RUSSIAN, per, Elektrichestvo, No 12, 1961,
pp 59-63.

NLI Ref. 9022.00 1963 (2,590)
(Loan)

OTS 63-23959 (21.10)

242,303

Sci - Electron
Nov 63

Development of Electric Power in the Light of the
Decisions of the 22nd Congress of the CPSU, by
I. A. Syrovatnikov, 13 pp.

RUSSIAN, par, Elektrichestvo, No 1, 1962, pp 1-6.

JPRS 15820

USSR
Econ.
Oct 62

216,996

Markovich, I. M. and Teitelbaum, V. N.
ECONOMIC DESPATCHING OF REAL POWER IN A
HYDRO-THERMAL POWER SYSTEM. [1963] [5p] 1ref
C. E. Trans. 2638.
Order from OTS, SLA, or ETC \$1.10 TT-63-23960

Trans. of Elektrichestvo (USSR) 1962, no. 1,
p. 10-11. (Abstract available)

DESCRIPTORS: *Hydroelectric power systems,
Power, Networks, *Distribution (Economics), *Calculus
of variations, *Thermoelectricity.

Methods of variational calculus that are used to solve
the problem of economic despatching of electric power,
taking network losses into account, are presented.

(Engineering - Electrical, TT, v. 11, no. 1)

TT-63-23960

- I. Markovich, I. M.
- II. Teitelbaum, V. N.
- III. CE Trans-2638
- IV. Central Electricity
Generating Board
Gr. Brit.)

102/2638(10).
9022.09 1963(2,638)

Office of Technical Services

Smirnov, K. A.
DETERMINATION OF THE MOST ECONOMICAL
NUMBER OF CONNECTED GENERATOR SETS IN
THERMAL POWER STATIONS. [1963] [9p] 1ref
C. E. Trans. 2639.
Order from OTS, SLA, or ETC \$1.10 TT-63-23961

Trans. of Elektrichestvo (USSR) 1962, no. 1,
p. 12-15.

DESCRIPTORS: *Generators, Electrical power produc-
tion, Economics, Power, Consumption, Boilers, Steam
power plants, Mathematical analysis.

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

TT-63-23961

- I. Smirnov, K. A.
- II. CE Trans-2639
- III. Central Electricity
Generating Board
(Gt. Brit.)

ALL (LGA) Ref:
902209 1963(2,639)

Office of Technical Services

Analyzing the Reliability of Control Systems by the
Method of Mathematical Modeling, by I. R. Freydzon.
RUSSIAN, per, Elektrichestvo, No 1, 1962, pp 36-39.
NASA TT F-8714

Sci - Math & Data Proc
may 64
U.S. GOVERNMENT ONLY

258,607

Semiconducting Cadmium Sulfide Detectors of Gamma-
Radiation, by N. G. Drozdov, N. I. Gorelov, 9 pp.

RUSSIAN, per, Elektrichestvo, No 1, 1962, pp 49-51.
9678401

54A 69-11117
Navy Tr 3243/NRL 909

Sci - Phys

Nov 62

217,509

Calculation of Transients in Complex Circuits With
Several Non-Linear Elements, by A. F. Berezovskiy.

RUSSIAN, per, Elektrichestvo, No 1, 1962,
pp 73-75.

MLL M 5046

Sci - ~~Electron~~ Electron
Mar 63

226,540

Controllable D. C. Machines With Permanent Magnets
and Unsymmetrical Poles, by L. M. Palastin,
A. M. Lapelkinov.

RUSSIAN, per, Elektrichestvo, No 2, 1962, pp 40-51.

NLL M 5042

Sci - Electron
Apr 63

326977

Technical Fundamentals for Working Out a New
Standard for Electrical Brushes, by O. G. Vegner.

RUSSIAN, per, Elektrichestvo, No 2, 1962, pp 77-83.

NEL M 3915

Sci - Electronics
Mar 63

226,604

Calculation of Economic MW and MVar Distribution in
a Power System With Given Limitations,
RUSSIAN, per, Elektrichesvo, No 3, 1962, 1962,
NZDA

Sci - ENGR
Apr 64

254,599

Digital Computer Method for Optimization
Problems in Integrated Power Systems, by
V. S. Shakanov.

RUSSIAN, per, Elektrichestvo, No 3, 1962,
pp 9-14.

GB/125/IB 2067

Sci-Engr

Aug 63

341,973

Computer for Determining the Load Distribution in Power
Systems Containing Hydro-Electric Stations, by S. V. Usov.
RUSSIAN, per, Elektrichestvo, No 3, 1962, pp 24-28.

NZINA

Sci - Engr

Feb 64

250,503

RUSSIAN

Comp. Special
*7 pp.*C80: 0517/73 W
27 Sep 72 SF

Potential coefficients in a system of discs lying in one plane, by Ya. Ya. Iossel'.

Moscow, Elektrichestvo, No 3, 1962, pp 67-69.

Ad Hoc

Spec type B

Do not publish

Translator's draft plus one copy - including reproduction. Do not clip this copy.

Investigation of the Flashover Characteristics
of Dirty Insulators, by E. V. Korbut.

RUSSIAN, per, Elektrichestvo, No 3, 1962,
pp 76-81.

NZDLA

Sci-Engr
Oct 63

(NY-6502)

THE GENERAL ALGORITHMS OF A COMPUTING AND
CONTROLLING ELECTRONIC DIGITAL MACHINE FOR
THE OPTIMUM ECONOMIC PLANNING OF THE
OPERATING MODES OF COMPLEX POWER SYSTEMS,
BY V. S. SHAKHANOV, 44 PP.

RUSSIAN, PER, ELEKTRICHESTVO, NO 4, 1962,
PP 7-19.

JPRS 14,461

SCI - ELECTRON

JUL 62

202,902

(NY-6502)

ON THE EMPLOYMENT OF A COMPUTING MACHINE FOR THE
CALCULATION OF THE OPTIMUM DISTRIBUTION OF LOADS AMONG
AMONG THE DIFFERENT-TYPE UNITS OF A HEAT-POWER
ELECTRIC STATION, BY R. S. MANUKHYAN,
S. V. PAVERMAN, 12 PP.

RUSSIAN, PER, ELEKTRICHESTVO, NO 4, 1962,
PP 33-36.

JPRS 14,464

SCI - ELECTRON
JUL 62

202,900

Automatic Motors With Analogue and Digital
Outputs, by R. R. Kharchenko, V. Yu.
Konechalovskiy, 9 pp.

RUSSIAN, per, Elektrichestvo, No 4, 1962,
pp 36-40.

OTS 63-24084
NLI Ref: 5828.4 1963 (5867)
(Loan)

Sci - Electron
Jul 63

238,147

Calculation of the Performance and Steady-
State Characteristics of a D.C. Transmission
Line Interconnecting Two Power Systems, by
S. R. Glinernik, V. V. Kichnev.

RUSSIAN, per, Elektrichestvo, ~~XX~~ No 5, 1962.

NZDIA

Sol-Ingr
Oct 63

On the Selection of a Rational Structure of Generating Capacities in Electric Power Systems, by
L. O. ~~Smirnov~~ ⁵ *Elektrik* and Ya. I. Khainson, 19 pp.

RUSSIAN, per, ~~Elektricheskoye~~ ⁵ *Elektricheskoye*, No 5, 1962,
pp 20-27.

JPRS 15529

USBR
Econ
Oct 62

A Semi-Conductor Resistance Relay With Elliptical
Operating Characteristics, by A. I. Leviush,
E. D. Sapir.

RUSSIAN, per, Elektrichestvo, No 5, 1962, pp 64-70.

ALL Ref: 5828.4 1963 (5864)
(Loan)

Sci - Electron
Jul 63

238,351

Some Questions of D.C. Machine Construction, by
O. G. Vagner.

RUSSIAN, per, Elektrichestvo, No 5, 1962,
pp 78-83.

ML N 5149

Sol - Electron
May 63

229,853

The Influence of a Variable Electrical Field
on the Weight of Ice on an Overhead Conductor,
by E. P. Nikiforov.

RUSSIAN, per, Elektrichestvo, No 6, 1962,
pp 52-57.

NLL Ref: 9022.09 1963 (3109) (Loan)

Sci
Feb 64

Individual Drives for the Stands of Reduction
and Calibrating Tube Rolling Mills, by
V. A. Ivchotenko.

RUSSIAN, per, Elektrichestvo, No 6, 1962, pp 73-75.

REL M 5096

Sci - Electron
May 63

229,800

A NEW STANDARD FOR RATED VOLTAGES, BY G. S. PLIS,
13 PP.

RUSSIAN, PER, ELEKTRICHESTVO, NO 6, 1962, PP 76-82.

JPRS 15608

USSR
ECON
OCT 62

213,462

Efficiency Criteria for Stopping and Starting
Generator Units in a Power System, by
I. M. Markovich.

RUSSIAN, per, Elektrichestvo, No 7, 1962,
pp 21-23.

NLL Ref: 9022.09 1963 (2867) (Loan)

Sci
Feb 64

On the Expansion of a Circle of Problems,
Solved with the Aid of Small Scale
Digital Machines, by V. I. Goruskin,
A. A. Krumin, et al, 6 pp.
RUSSIAN, per, Elektrichestvo, No 7, 1962,
pp 28-29. 9698501
FTD-TT-65-1228

Sci-Elect
Nov 65

291,452

Characteristics of Asynchronous Synchronous
Machines, by Yu. G. Shakaryan.

RUSSIAN, per, Elektrichestvo, No 7, 1962,
pp 59-66.

REL N 5094

Sci - Electron
May 63

229,140

TESTING THE STABILITY OF THE BOLZHSKAYA GES
IMENI V. I. LENIN --- URALS ELECTRIC TRANSMISSION
LINE, BY A. V. BOGOSLOVSKIY, S. A. SOVALOV,
21 PP.

RUSSIAN, PER, ELEKTRICHESTVO, NO 8, 1962, PP 1-9.

JPRS L6265

SCI - ELECTRONICS

NOV 62

219,773

Cheaper and Faster Construction of Power-Supply
Networks, by I. T. Dashchenko.

RUSSIAN, per, Elektrichestvo, No 8, 1962, pp 2
pp 18-20.

NLL Ref. 9022.00 1963 (2,846)
(Loan)

Sci - Electron
Nov 63

242, 352

Shramkov, E. G., Novitskii, P. V., Petisov, M. M.,
and Zorin, D. I.
THE STRUCTURE AND CERTAIN BASIC CHARACTER-
TERISTICS OF MODERN ELECTRICAL MEASURING
DEVICES. (1963) [9p] 6 refs. C. E. Trans. 2816.
Order from DTS, SLA, or ETC \$1.10 TT-63-24086

Trans. of Elektrichestvo (USSR.) 1962, no. 8, p. 20-25.
(Abstract available)

DESCRIPTIONS: *Meters, *Measuring devices (Elec-
trical and Electronic), Measurement, Input-output
devices, Errors.

The measurement converter is the basic element of
measuring instruments and apparatus. The converter
is used to convert one form of data on the measured
quantity (input value) to another form (output value),
in order to obtain the required functional relationship
(Engineering--Electrical, TT, v. 11, no. 4) (over)

TT-63-24086

I. Shramkov, E. G.
II. Novitskii, P. V.
III. Petisov, M. M.
IV. Zorin, D. I.
V. CE Trans-2816
VI. Central Electricity
Generating Board
(Gt. Brit.)

Office of Technical Services

Electric Drives with Elastic Mechanical Links,
by A. A. Sachtin, et al pp.

RUSSIAN, per, Elektrichstvo, No 8, 1962, pp
pp. 34-40

CIA/FDD X4-1321
NO FOREIGN DISSEM

Sci - Electricity
Jan 63

221,483

USIN INTERNAL USE ONLY

Selecting the Value of the Current Density Under
the Brushes in Low- and Medium- Capacity D.C.
Machines, by V. P. Tolkmachev.

RUSSIAN, per, Elektrichestvo, No 8, 1962,
pp 65-68.

NLI Ref. 9022.05 1963 (3,247)
(Loan)

NLL/RTS 2344

Sci - Electron
Nov 63

621 T 63-23/37

242,257

Calculating the Commutation of D. C. Machines
by A. S. Kurbasov.

RUSSIAN, per, Elektrichestvo, No 8, 1962,
pp 69-72.

NLL Ref. 9022.03 1963 (3,248)
(Loss)

Sci - Electron
Nov 63

CPSTI - TT 63-03736
242,306

THIRTY YEARS OF ELECTRIFICATION OF THE RAILROAD
TRANSPORT AT THE SURAMSKIY PASS, BY B. Z.
VAYNSHTEYN, 11 PP.

RUSSIAN, PER, ELEKTRICHESTVO, NO 8, 1962,
PP 83-87.

JPRS 16265

SCI - ELECTRONICS

NOV 62

219,774

Accounting for and Compensating the Effect
of Eddy Currents in Systems Controlling the
Field Flux in Electrical Machines, by
O. V. Slezhanovskiy.

RUSSIAN, per, Elektrichestvo, No 9, 1962,
pp 23-27.

NLL Ref. 9022.03 1963 (3,259)
(loss)

Sci - Electron
Nov 63

242,255

The Cooling of Enclosed D.C. Machines, by
O. P. Siderov.

RUSSIAN, per, Elektrichestvo, No 9, 1962,
pp 60-62.

NLL Ref. 9022.03 1963 (3,260)
(Lam)

Sci - Electron
Nov 63

CFSTI # 63-23934

242,254

Measurement of Power and Energy of the Electric
Arc, by L. B. Bolotin
RUSSIAN, per, Elektrichestvo, No 9, 1962, pp 78-82.
GB/125/IB 2108

Sci - Elec
Jul 64

262,4564