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SOURCE Elektrichestvo, No 6, 1951, p 96.

NEW SOVIET BOOKS ON ELECTRICITY, ELECTRICAL ENGINEERING,
 AND POWER ENGINEERING

The following is a list of books on electricity, electrical engineering, and power engineering published in the USSR in 1950 and 1951.

Books Published in 1950

1. "Centimeter-Wave Antennas" (Antenny santimetrovykh voln), translation edited by Ya. N. Fel'd. Izd-vo Sovetskoye Radio, Part I - 318 pp, R 15.00; Part II - 258 pp, R 13.00.
2. "Pavel Nikolayevich Yablochkov - Life and Works" (Pavel Nikolayevich Yablochkov - Zhizn' i Trudy), L. D. Bel'kind, Gosenergoizdat, 379 pp, R 15.35.
3. "Electrodeposition of Metals" (Elektroosazhdeniye metallov), A. T. Vagrameyan, Institute of Physical Chemistry, Academy of Sciences USSR, Izd-vo Akad. Nauk SSSR, 198 pp, R 12.00.
4. "Storage Batteries in Power Systems" (Akkumulyatornyye baterii v energo-sistemakh), A. A. Vasil'yev, Gosenergoizdat, 168 pp, R 6.65.
5. "The Fundamentals of Telegraphy" (Osnovy telegrafii), N. B. Zeliger, A. D. Igrat'yev, P. A. Naumov, and S. D. Chantsov, issued by Ministry of Higher Education as a textbook for higher electrical engineering (communications) schools, Svyaz'izdat, 575 pp plus graphs, R 24.50.
6. "Relay Protection" (Releynaya zashchita), V. Ye. Kazanskiy, fourth revised edition, Gosenergoizdat, 292 pp, R 8.40.
7. "Modern Soviet Techniques for Transmitting Stationary Images by Radio and Wire" (Sovremennaya otechestvennaya tekhnika peredachi nepodvizhnikh izobrazheniy po radio i provodam), I. L. Koblents and G. G. Sokolov (All-Union Society for the Dissemination of Political and Scientific Knowledge), Izd-vo "Pravda," 24 pp, R 0.60.

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8. "The Luminescent [Fluorescent] Lighting of Buildings" (Lyuminesstentnoye osveshcheniye zdaniy), edited by M. M. Yepaneshnikov, Gosenergoizdat, 116 pp, R 4.60.

9. "Iron-Chrome-Aluminum Alloys" (Splyavy zhelezo-khrom-alyuminiy), L. B. Marmorshteyn, Metallurgizdat, 120 pp, R 5.00.

Iron-chrome-aluminum alloys, developed in the Soviet Union on the basis of the classical investigations by Academician N. S. Kurnakov on the theory of the physical properties of alloys, are of great interest as inexpensive and heat-resistant materials containing no critical components. The book states basic production problems (e.g., smelting, pouring, heat treating, etc.) and includes test data on the physical and chemical properties of these alloys. The bibliography contains 35 entries. The book is of interest to metallurgists and workers in the fields of electrical materials studies and electric heating equipment.

10. "Scientific and Technical Conference on the Results of Scientific Research in 1950" (Nauchno-tekhnicheskaya konferentsiya po itogram nauchnoissledovatel'skikh rabot za 1950 g.), Abstracts of Reports, Moscow Power Engineering Institute, 74 pp, free.

11. "Antenna Shields [Radomes]" (Obtekal'i antenn), translation edited by A. I. Shpuntov, Izd-vo Sovetskoye Radio, 263 pp, R 13.00.

Shields are covers for aircraft radar antennas. They are the mechanical protection of antennas and serve to improve their aerodynamical properties. The design of such shields involves the calculation of the transmission and reflection of electromagnetic waves in a dielectric and a number of other problems. Of great importance is the correct choice of electrical insulating materials (polystyrene, organic glass, foam plastics, glass textolite, etc.) and of the technological processing conditions. The book discusses problems of design, development, and testing of the shields, the types and properties of the dielectrics used in their manufacture, and of the technological processes applied in molding them.

Books Published in 1951

1. "Earthwork in the Construction of Hydroelectric Power Stations" (Zemlyanye raboty pri stroitel'stve gidroelektrostantsiy), M. N. Artsybyshv (Library of the Worker and Builder of Hydroelectric Power Stations, No 2), Gosenergoizdat, 68 pp, R 2.50.

2. "Modern High-Voltage Equipment" (Sovremennyye elektricheskiye apparaty vysokogo napryazheniya), M. A. Babikov, Gosenergoizdat, 271 pp, R 14.80.

3. "The Simplest Line Receivers" (Prosteyshkiye setevyye priyemniki), A. N. Vetchinkin (Mass Radio Library, under general editorship of A. I. Berg, No 80), Gosenergoizdat, 58 pp, R 1.75.

4. "Introduction to Automatics and Telemechanics" (Vvedeniye v avtomatiku i telemekhaniku), K. I. Domanskiy, Gosenergoizdat, 384 pp, R 24.00. Issued as a textbook for higher technical schools. LC # TA 165.D6

5. "The Utilization of the Energy of Rivers in Hydroelectric Power Stations" (Ispol'zovaniye energii rek na gidroelektrostantsiyakh) Ye. I. Ioganson, Library of the Worker and Builder of Hydroelectric Power Stations, Gosenergoizdat, 56 pp, R 2.10.

6. "Russia's First Electric Power Stations" (Pervyye russkiye elektrostantsii), M. O. Kamenetskiy, Gosenergoizdat, 132 pp, R 4.65.

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