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SOURCE Radio, No 2, 1951, pp 61-62.

NEW SOVIET PUBLICATIONS ON RADIO ENGINEERING

Fundamentals of Radio (Osnovy radiotekhniki), Part 1, V. A. Kotel'nikov and A. M. Nikolayev. Svyaz'izdat, 1950, 372 pp, 15,000 copies, bound, 14.10 rubles.

This book is the first part of a course for colleges. It has been approved by the Ministry of Higher Education as a textbook for electrical engineering schools and faculties. It analyzes the processes taking place in the simplest radio circuits and their elements.

Crystal Receivers and Amplifiers (Detektornyye priyemniki i usiliteli), F. I. Tarasov. Popular Radio Library, No 66, Editor-in-chief, Academician A. I. Berg. Gosenergoizdat, Moscow-Leningrad, 1950, 72 pp, 2.75 rubles.

The pamphlet introduces the radio amateur to the working principles of crystal sets and the simplest forms of 1f tube amplifiers. It gives a large number of schematic diagrams and simple calculations. It also discusses the installation of parts and describes receivers and amplifiers which can be built by the amateur. A number of practical examples accompany the text.

Popular Power-Line Radios (Massovyye setevyye radiopriyemniki), A. V. Komarov, Popular Radio Library, No 68, Editor-in-Chief, Academician A. I. Berg. Gosenergoizdat, Moscow-Leningrad, 1950, 80 pp, 2.50 rubles.

The pamphlet describes the ARZ-49, Moskvich, and Salyut broadcast receivers and tells in simple terms how a receiver operates. It gives information on assembling and operating receivers, possible troubles and their elimination. It discusses briefly the installation of antennas and grounds. The pamphlet is intended for radio listeners.

Eliminating Troubles in Radio Receivers (Ustraneniye neispravnostey v radio-priyemnikakh), I. P. Zhuravlev, Svyaz'izdat, 1950, 48 pp, 75,000 copies, 1.25 rubles.

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The pamphlet describes methods and the proper order for maintenance operations and tells how to tune broadcast receivers, using very simple instruments. It gives examples of maintenance procedures on a simple tuned rf receiver and on an ac superheterodyne.

Supply Sources for Battery Receivers (Istochniki toka dlya batareynykh radio-priyemnikov), V. V. Shipov and G. M. Davydov. Svyaz'izdat, 1950, 32 pp, 75,000 copies, 80 kopeks.

The pamphlet discusses the installation and use of primary supply sources for battery receivers and their maintenance. It is intended for amateur beginners with a knowledge of the principles of physics as taught in intermediate schools.

Line-Power Supply for the Rodina Radio (Pitaniye priyemnika "Rodina ot elektroseti), B. Levandovskiy. Popular Radio Library, No 70, Editor-in-Chief, Academician A. I. Berg, Gosenergoizdat, Moscow-Leningrad, 1950, 32 pp, 1.00 ruble.

The pamphlet is intended for rural radio amateurs and listeners who want to convert their receivers from battery to line receivers. It describes rectifiers which are simple to install and which insure complete supply for the Rodina and Rodina-47 from ac lines. Full directions are given on the use of rectifiers to supply any type of battery receiver.

Autotransformer (Avtotransformator), N. V. Kazanskiy. Popular Radio Library, No 71, Editor-in-Chief, Academician A. I. Berg. Gosenergoizdat, Moscow-Leningrad, 1950, 16 pp, 50 kopeks.

The pamphlet covers construction and principles of autotransformers and gives methods for designing and building transformers at home.

Measuring Oscillators and Oscillographs (Izmeritel'nyye generatory i ostillo-grafy), Popular Radio Library, No 72, Editor-in-Chief, Academician A. I. Berg. Gosenergoizdat, Moscow-Leningrad, 1950, 72 pp, 2.25 rubles.

The pamphlet is intended for trained radio amateurs. It describes home-made signal generators, a-f generators and cathode-ray oscillographs. All the described designs won prizes and diplomas at the Eighth All-Union Correspondence Radio Exhibition.

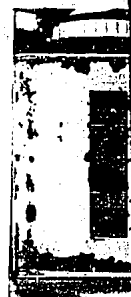
Vacuum-Tube Voltmeter (Lampovyy vol'tmetr), K. D. Osipov, Popular Radio Library, No 64, Editor-in-Chief, Academician A. I. Berg. Gosenergoizdat, Moscow-Leningrad, 1950, 56 pp, 1.75.

This pamphlet is intended for trained radio amateurs. It explains the use of electron tubes in making measurements and describes a number of electronic voltmeters, with practical directions on how to build and operate them.

Amateur Transceiver Stations for Meter Waves (Lyubitel'skaya priyemno-peredayushchaya radiostantsiya na metrovykh volnakh), S. I. Blyakher. Svyaz'izdat, 1950, 64 pp, 1.65 rubles.

The pamphlet describes an ultrashort-wave station which received a third prize and first-class diploma in the ultrashort-wave apparatus division in the Eighth All-Union Correspondence Radio Exhibition. As compared with the original exhibit, some changes have been made in the receiver circuit corresponding with the change from 70-72 to 85-87 Mc in the amateur frequency band. The transmitter circuit is unchanged.

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Wired Television Centers (Radiotranslyatsionnyy televizionnyy uzel), A. Ya. Korniyenko. Popular Radio Library, No 69, Editor-in-Chief, Academician A. I. Berg. Gosenergoizdat, Moscow-Leningrad, 1950, 72 pp, 2.25 rubles.

The pamphlet examines possible designs of small wired television centers. It describes in detail the method of building and tuning a home-made TAU-2-type subscriber's installation. It also explains how to convert a conventional television set into a television center intended for several subscribers.

Miscellaneous Types of Radio Equipment (Raznaya radiotekhnicheskaya apparatura). Popular Radio Library, No 73, Editor-in-Chief, Academician A. I. Berg. Gosenergoizdat, Moscow-Leningrad, 1950, 24 pp, 75 kopeks.

The pamphlet is a compilation of data on the Eighth All-Union Correspondence Radio Exhibition. It describes a ferroresonance voltage stabilizer, rectifiers for battery receivers, coil winding machines, and other homemade devices shown in radio exhibitions in the Miscellaneous Equipment division.

The Light Relay and Its Use (Potorele i yego primeniye), S. D. Klement'yev, Popular Radio Library, No 67, Editor-in-Chief, Academician A. I. Berg. Gosenergoizdat, Moscow-Leningrad, 1950, 96 pp, 3.00 rubles.

The pamphlet is intended for radio amateurs interested in photoelectronic automatics. It explains the installation and working principles of light relays. It also describes a homemade light relay and discusses its possible uses.

A Manual of Programs for Individual and Brigade Training of Employees in Radio Communication Enterprises (Sbornik programm po individual'noy i brigadnoy podgotovke rabotnikov dlya predpriyatiy radiosvyazi), Administration of Supervisor Personnel, Ministry of Communications USSR. Svyaz'izdat, 1950, 24 pp, 3,000 copies, gratis.

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