

Books, Booklets, Brochures

HDTV: Advanced Television for the 1990s, by K. Blair Benson and Donald G. Fink, has recently been published by Intertext/McGraw-Hill.

Featuring technical overviews of the various competing HDTV and ATV systems that are currently under development (including a detailed analysis of the Zenith spectrum-compatible system), this comprehensive work carefully assesses the strengths and weaknesses of each. In addition, it examines all aspects of the 1125-line system, from its equipment and colorimetric standards through transmission and modulation considerations to methods for coping with noise and other problems.

In-depth discussions are devoted to a wide range of essential aspects, such as signal compression, digitization, fiber optical tests, tape recording, and the pertinent management issues that must be resolved. The authors also offer practical perspectives on such topics as the distribution and transmission of the picture signal, cooperative 3-D filtering, receiver design and specification, techniques for simulcasting, the dimension of video signals, the picture display, and the impact of

the new technology on program production.

During a career that spanned almost 50 years, the late K. Blair Benson worked for such companies as CBS, General Electric, Goldmark Communications, and the Video Corp. of America. Donald G. Fink is professor emeritus of the IEEE and one of the world's best-known television and electronics engineers.

The 370-page book is available from McGraw-Hill Publishing Co., 11 West 19th St., New York, NY 10011, for \$39.95.

The McGraw-Hill Handbook of Essential Engineering Information and Data is an authoritative desktop reference that explains in detail how to solve — quickly and easily — a wide variety of on-the-job engineering problems. It contains vital material culled from 18 of the company's most respected engineering handbooks and reference works, with additional comments written by the editors and a staff of consultants. The book features scores of tables, charts, formulas, diagrams, and work-out problems in such disciplines as bioengineering and civil, mechanical,

chemical, electrical, and metallurgical engineering.

Emphasizing ready-to-use material, Ejup N. Ganic, editor in chief, and Tyler G. Hicks, editor, devote the first part of the book to the basics of engineering, such as the general properties of materials, engineering units, and thermodynamics. The second part covers specific fields of engineering. Critical areas such as the engineering economy and patents and copyrights are also examined. The 1072-page text is available for \$89.50 from McGraw-Hill Publishing Co., 11 W. 19th St., New York, NY 10011.

Lenk's Video Handbook: Operation and Troubleshooting, by John D. Lenk, presents practical advice and suggestions on ways to troubleshoot all of today's consumer video equipment, from TVs and monitors to VCRs and camcorders. It also features service procedures and provides proven techniques and tricks that are effective in diagnosing, isolating, and locating faults.

The 416-page book has individual chapters devoted to a wide cross section of video devices, such as basic black-and-white video circuits, basic video color circuits, and VHS video circuits. Each chapter provides comprehensive coverage that includes a thorough introduction to the function of the device (with specifications when applicable), the operating procedures involved, a circuit description or the theory underlying the circuit, sample test and adjustment procedures, and a logical troubleshooting approach for video circuits. Available for \$39.95, the book can be ordered from McGraw-Hill Publishing Co., 11 West 19th St., New York, NY 10011.

Broadcast Engineering brochure, a publication describing the contents of new books on broadcast engineering, lists vital information on such titles as *Broadcast Sound Technology*, *Broadcast Data Systems*, *The Art of Digital Audio*, and *The Art of Digital Video*. A free copy is available from Butterworth-Heinemann, 80 Montvale Ave., Stoneham, MA 02180.

A brochure on the 600-C Series telecine followers is devoted to introductory information, features, accessories, and appropriate equipment photos. The four-page, two-color booklet includes a large photograph of a 600-C telecine follower/recorder reproducer on the front cover. Specifications and available models are listed on the back page. The brochure is available at no cost from Magna-Tech Electronic Co., 630 9th Ave., New York, NY 10036.

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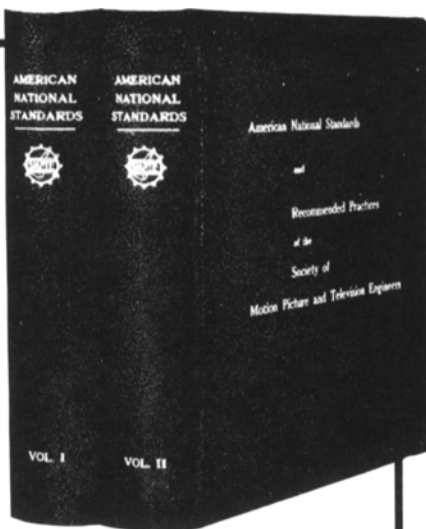
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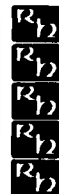
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