

Books, Booklets, Brochures

Coding Techniques for Digital Recorders gives a comprehensive state-of-the-art survey of the theory and practice of coding techniques used to improve reliability and efficiency in magnetic and optical recording systems, such as compact discs and DAT recorders. The hardcover book, which is 298 pages, covers such topics as entropy and capacity, spectral analysis, runlength-limited sequences, spectra nulls at frequencies other than zero, and generation of pilot tracking codes. Much of the book's material originates from courses designed by the author, Kees A. Schouhamer Immink, and taught at the Eindhoven International Institute of Technical Studies in The Netherlands, and from the pioneering research he carried out on compact-disc coding at Philips Research Laboratories. The book can be ordered from Prentice Hall International (UK) Ltd., 66 Wood Lane End, Hemel Hempstead, Hertfordshire HP2 4RG, England, at a cost of \$45.

Handbook for Sound Engineers: The New Audio Cyclopedia, is a second-edition publication that details the essentials of sound, acoustics, and sound-system design. The book, which synthesizes new technology and traditional sound mechanics into a single, audio library, covers such topics as proper installation techniques and performance ideals for virtually any application. It also provides sound fundamentals with discussions on voice coloration, sound-room design and construction, microphone basics, and audio components. It features an unprecedented coverage of acoustics, electronic components, electro-acoustic devices, electronic audio circuits and equipment, recording and playback, design applications, and measurements. The book, which is edited by Glen M. Ballou, can be ordered from Sams, 11711 N. College Ave., Carmel, IN 46032, for \$99.95.

A new edition of **The Joy of Photography** has been made available with revisions in both the photographs and the text. Changes include an altered Tools section on photographic equipment, which reflects the growing popularity of automatic, autofocus point-and-shoot 35mm cameras, as well as new film and techniques. Also new are colorful portfolios of stunning pictures of two outstanding professionals: Galen Rowell, who is noted for his photographs of landscapes, nature, and wilderness, and Joyce Tenneson, whose most famous images are of the female form, often partly shrouded in gauze or lace, frequently lit in an otherworldly glow.

The 301-page book is written for beginning and intermediate photographers and is an essential guide to today's cameras, techniques, and creative ideas. Subjects covered include people, indoors and outdoors, cityscapes, still lifes, and architecture. Sections on darkroom activity, techniques for processing and printing film, and tips for displaying pictures in attractive ways are also provided. The book can be purchased in most book stores or ordered, for \$17.95 plus shipping and handling, from Department 412L, Eastman Kodak Co., 343 State St., Rochester, NY 14650.

ED 50: An Introduction to Light and Lighting, which was designed as a primary course in lighting, provides the professional with an overview on all facets of visibility and the nonprofessional with an introductory, easy-to-follow guide to the basic principles of lighting. Readers will become aware of the importance of lighting to their work, as well as the use of illumination in art, entertainment, roadways, and interior design. Topics covered in the 51-page book include elements of vision, four factors of visibility, incandescent lamps, fluorescent lamps, high-intensity discharge lamps, lighting terms, visual comfort, luminances, and lighting system control. The book is available for \$24.00 from the Illuminating Engineering Society of North America (IES), Publications, 345 E. 47th St., New York, NY 10017.

An analog and digital test instruments catalog details an extensive line of handheld and benchtop multimeters, special function meters, clamp-on testers, and other specialized testers for electrical, electronic, and environmental applications. It provides capsule descriptions of each model along with lists of features and ordering information for over 50 models. Complete specification and operating range data are provided, as well as a 5-page summary of specifications and ranges. The 44-page publication also covers voltmeters, ohmmeters, ammeters, insulation and temperature testers, and special testers for microwave and AC-current leakage. There is also a section that details a complete line of test probes, cables, and test lead kits. Information on protective cases, tailored for individual models, is provided. A free catalog can be obtained from Simpson Electric Co., 853 Dundee Ave., Elgin, IL 60120-3090.

A brochure describing a range of delay lines, LC filters, and digital delay lines for video and RF applications is available

from Allen Avionics, Inc., 224 E. 2nd St., Mincola, NY 11501. The six-page booklet features three new video product introductions: HDTV video filters, ultrasharp brickwall filters, and the AVS Series video filters. For the RF/microwave designer, a broad line of filters extending to GHz is listed, including lowpass, highpass, bandpass, band reject, delay equalized, linear phase, and antialiasing. The company's complete range of general purpose and video delay lines, as well as digital delay lines, are also listed.

Speaking of Microphones, a guide to microphones for project studios and home studios, is available at no charge from Sennheiser Electronics Corp., 6 Vista Dr., P.O. Box 987, Old Lyme, CT 06371. The 12-page booklet provides an understanding of the fundamentals of microphones, offers tips on selecting appropriate microphones for different applications, and has suggestions for purchasing the proper microphone. Sections on how to read a microphone spec sheet, understanding polar pattern and frequency response diagrams, care and maintenance, definitions, and accessories are also included.

Products for Production, a 28-page booklet, lists all the Rosco products used in theater, film, video, and live-entertainment production. Items listed include various ranges of gels or colored filters for lights, as well as three types of scenic paints, four fog machines, eight types of fog fluid, and much more. New products are also mentioned, including a range of Permacolor glass filters. The booklet is available at no cost from Rosco Laboratories, Inc., 36 Bush Ave., Port Chester, NY 10573.

Technical & Craft Books for Film/Video is a comprehensive listing of film and video literature. The 45-page booklet includes technical books that increase awareness and knowledge of new technologies. The 15 categories covered in the publication include business of filmmaking, pre-production, post-production, animation, videotape cassettes, directories, and cinematography. New and previously listed titles are printed under each category. To order the booklet, contact Alan Gordon Enterprises, Inc., 1430 Cahuenga Blvd., Hollywood, CA 90028.

**This Publication
is available in Microform.**

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