

Books, Booklets, Brochures

Microprocessors and Microcomputer Systems by G. V. Rao, an up-to-date guide to the state of the art of microprocessors and microcomputers, is available from the publisher, Van Nostrand Reinhold, 450 W. 33 St., New York, NY 10001, at a price of \$24.50. The book, measuring 8½ × 11 in, contains 286 pages and 150 illustrations. The book is totally inclusive (every term in the field) and contains expert coverage of the presently available hardware and software. It provides information and guidelines for selecting, designing and testing microcomputer systems. The author, a systems engineer in electronics technology for many years, presents comparative data in numerous reference charts. Actual examples of working systems are used to explain the various concepts of the general digital computer.

Subjects of special interest include the use of silicon in microcomputer technology, organization of low-cost microcomputer systems, MNOS/FAMOS and Bubble memories, charge-coupled devices and extensive treatment of data communications.

Pathways of Photoprocessing Chemicals in Publicly Owned Treatment Works, a study conducted by JBF Scientific, an independent environmental organization, under the sponsorship of the National Association of Photographic Manufacturers (NAPM), is available from the NAPM, 600 Mamaroneck Ave., Harrison, NY 10528 at a price of \$25. The pathways of silver and ferrocyanide discharged in wastewater from photoprocessing laboratories to Publicly Owned Treatment Works (POTW) were investigated over a two-year period. The

study showed that silver and ferrocyanide were effectively removed from the wastewater by the treatment process in the POTW.

New Matthey Video Filter Catalogs which contain information on new ranges of improved filters and filters specifically designed for A/D and D/A converters are available from Television Equipment Associates, Box 260, South Salem, NY 10590. Other new types of filters listed include HFM range with zeros at harmonics of NTSC or PAL color subcarriers. Versions of the low-pass phase equalized type and other new filters are described.

Microphones — How They Work and How to Use Them by Martin Clifford, a 224-page soft-bound book published by Tab Books, Blue Ridge Summit, PA 17214, is available from Asphar Electronic Sales, P.O. Box 629, Mt. Vernon, NY 10551, at a price of \$5.95. The book, written in simple language, is intended to provide an understanding of microphones and their uses. It discusses the basics of microphones and describes those best suited for various applications including general, instrumental, voice and special applications. The book contains a number of illustrations and diagrams.

Fixed focal length and zoom lenses for closed-circuit television cameras are described in a brochure available upon request from OEM Division, Schneider Corp. of America, 185 Willis Ave., Mineola, NY 11501. The lenses are manufactured in West Germany by Jos. Schneider & Co. Listed in tabular form for easy reference are 18 Schneider lenses specially formulated for use with closed circuit systems with ⅔- and 1-in vidicons. The lenses can also be used

with cameras utilizing CCD and CID chips. The fixed focal length lenses range from 8mm to 150mm; the zoom lenses offer zoom ratios up to 10:1.

Photo-optical instrumentation systems and components are described in a four-page illustrated brochure available upon request from Instrumentation Marketing Corp., 820 S. Mariposa St., Burbank, CA 91506. Equipments listed include 16mm high-speed rotary prism and pin-registered cameras, underwater camera housings and systems, add-on automatic exposure controls, projectors and film readers, timing systems, optics, and special equipment and accessories.

Electronic Counter Selection Guide, a six-page brochure illustrated in color, is available upon request from Hewlett-Packard, 1501 Page Mill Rd., Palo Alto, CA 94304. Included are models from simple, low-cost "frequency only" counters to sophisticated high-speed universal and microwave counters. Two microprocessor controlled models are described in detail — the Model 5342A Microwave Counter for automatic measurements to 18 GHz, and the Model 5370A Universal Time Interval Counter with a resolution of ±20 ps. This model can make a full 11-digit reading up to 100 MHz in one second.

The **TCE-3000 digital color encoder** is described in a 4-page brochure available upon request from TeleMation, Inc., P.O. Box 15068, Salt Lake City, UT 84115. The encoder is designed for use with both live and film cameras, 3- or 4-tube types. Features of the TCE-3000 include luminance black stretch for gamma correction, elimination of drift and instability problems, stripping of high-frequency, and the vertical interval color bar reference signal (VITS/VIRS) option.

Opamp Labs Inc., of 10355 North Sycamore Avenue, Los Angeles, CA 90038, has issued a new product release describing their DC Operational Amplifiers, Models 425, 535 and 4009 and Microphone Preamplifiers, Models 360BM, 360M and 350P, and their application. For further information and orders, contact the address above.

Satellite News, a recently issued newsletter published by Thomas L. Phillips, will cover all aspects of news regarding satellites and satellite communications for professionals in video, data and voice communications, as well as the satellite industry itself.

In the April Preview Issue some of the items covered are the postal service, NASA contract, pay cable service, information from RCA and the use of satellites for foreign transmission. Gary Arlen is the Editor, Jerry Norton the Managing Editor, and Pam Dutton, Assistant Editor. Subscriptions and information about the publication may be requested from Satellite News, 8401 Connecticut Ave., Washington, DC 20015.

VIZ Test Instruments Group has made available two new catalogs for 1978. The 8-page short-form catalog features 36 popular VIZ instruments. The 44-page full-line catalog provides complete specifications and technical information on their many products. These catalogs may be requested from Robert Liska, VIZ Test Instruments Group, VIZ Mfg. Co., 335 E. Price St., Philadelphia, PA 19144.

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