

---

# BOOKS, BOOKLETS, BROCHURES

---

**The McGraw-Hill Dictionary of Science and Engineering**, focuses on the essential vocabulary of 100 scientific and engineering disciplines. It contains, in 942 pages, definitions of more than 35,000 terms. All entries are written to be understandable to the nonspecialist while preserving the technical refinement required in complex subject areas. The book provides synonyms, acronyms, and abbreviations, given with the definitions and also listed separately in the alphabetical sequences.

Many entries have multiple definitions, and each term is defined as it is used in all applicable fields. For example, the word "channel" is defined as it relates to 10 separate disciplines.

**Switched Capacitor Circuits**, by Phillip E. Allen and Edgar Sánchez-Sinencio, examines all aspects of the design and application of switched capacitor circuits either as discrete units or in conjunction with MOS technology. The book, containing 784 pages and 512 illustrations, is available from the publisher, Van Nostrand Reinhold, 135 W. 50th St., New York, NY 10020, at a price of \$56.50. The book is a comprehensive source of information, covering all aspects of the design and application of switched capacitor circuits. MOS analog integrated circuit design is explained. TI-59 and HP-41 programs for analyzing and designing MOS devices are provided.

Intended for use both as a reference book and as a textbook in senior or graduate courses in switched capacitor circuits, the book presents a simple method of building both first-order and higher order filters (low-pass, band-pass, high-pass, and band-elimination filters). Z-transformations, approximation theory, and applications of active and passive filter networks are explained.

The authors discuss nonfilter applications of switched capacitor circuits, noting that switched capacitor techniques are useful for the design of general analog circuits and systems. The intent is to show that analog circuits in general are compatible with MOS technology. Digital-to-analog and analog-to-digital converters are also discussed, along with the techniques of conversion between analog and digital signals that are compatible with MOS technology, and the details of analog MOS circuit design.

**Audio Design** by Tony Zaza, a college-level text, is available from the publisher, MOS Productions Publications, P.O. Box 3940, Los Angeles, CA 90078, at a price of \$24.95. Containing concise information about audio recording and reproduction, the book covers the technology of

recording voice, music, and sound effects for film and television productions. The appendix contains bibliographic references, a sound glossary, data on digital systems, equipment sources, and studio directories.

**The Complete Book of Professional Video Accessories**, its 1984-85 catalog, is available on request from Comprehensive Video Supply Corp., 148 Veterans Dr., Northvale, NJ 07647. The catalog reflects the company's expansion and diversification of its product lines, with sections devoted to new products, such as Computer Aided Video™, software packages designed for use on personal computers, and the Mini Video Production System™ for producing special effects in nonstudio environments.

**TRW LSI Products VLSI devices** are described and illustrated in a 432-page data book available on request from TRW LSI Products, P.O. Box 2472, La Jolla, CA 92038. Included are A/D and D/A converters, storage products, floating point arithmetic units, and bipolar and C-MOS multipliers and multiplier-accumulators. The new data book features current product data sheets that include specifications, graphs, performance tables, and interface schematics on individual products.

**Preprints of papers presented at the AES convention in Paris**, March 27-30, 1984, are available from the Audio Engineering Society, 60 E. 42nd St., New York, NY 10017. Forty papers are available either singly or as a complete set. Further information, including titles of papers and authors, and ordering instructions, is available from AES at the address above.

**The 1984-1985 Market Trends** reports that the audio-visual industry "has rebounded with vigor which should carry well into 1985." The "hottest" products are instructional microcomputers and computer graphics systems, according to *Market Trends*. Aside from computer-related products, the only product to show a gain each year during the recession was the overhead projector. Also noted, "other markets" comprising less than 20% of total AV dollars will have mixed years, varying by individual markets. Expanded from 8 to 12 pages, the report details each market.

A section on developing technology reviews the status of videodisks, and the progress of interactive systems relating to the disk, computers, videotape, and others. *1984-85 Market Trends* is available from Hope Reports, Inc., 1600 Lyell Ave., Rochester, NY 14606, at a price of \$40.

**The 800 series of microphones and accessories** are described and illustrated in a 4-color full-line catalog available from Audio-Technica U.S., Inc., 1221 Commerce Dr., Stow, OH 44224. New products featured in the catalog include extended reach condenser microphones, an omnidirectional battery/remote powered miniature condenser microphone, and unidirectional microphones.

**Television and Video Production** is a new monthly magazine published by MacLaren House, 19 Scarbrook Rd., Croydon CR9 1QH, England. It is designed for senior creative and technical personnel in program production, post-production, broadcasting, advertising, distribution, and corporate and educational television. The first issue will appear in September, and will be published on a controlled circulation basis. It will be sent free of charge to registered business addresses only. The editor is George Jarrett, who has written on professional film, video, and television since 1970.

**Film processing accessories** are described in a booklet available from The Allen Products Co., 180 Wampus Lane, Milford, CT 06460. Items described include silver recovery systems, magnetic drive pumps, processing supplies, editing equipment, inspection and quality control units, replenishment systems, and processor replacement parts.

**A bibliography** on the uses and applications of video instruments manufactured by the company is available from Colorado Video, Inc., P.O. Box 928, Boulder, CO 80306. The firm specializes in the use of television as a tool for scientific research. The line includes video framestores, digitizers, analyzers, position analyzers, computer interfaces, and slow-scan television communications systems.

**IMPAC™ PC card audio modules** are described in a bulletin available from Modular Audio Products, 50 Orville Dr., Bohemia, NY 11716. The bulletin contains illustrations, descriptions, and specifications for audio modules including amplifiers, preamplifiers, indicator, generator, and switcher modules.

**A catalog of technical education courses, computers, and test instruments**, is available upon request from Heathkit/Zenith Educational Systems, Heath Co., Benton Harbor, MI 49022. The courses have been developed in series form, starting with *Fundamental Electronics* and moving through *Advanced Electronics* to *Digital and Microprocessor Technology*.