

# BOOKS, BOOKLETS, BROCHURES

**The Communicator's Catalog (S-4)**, a comprehensive guide to hundreds of informative how-to publications and visual programs, is available from Eastman Kodak Co., Dept. 412L, 343 State St., Rochester, NY 14650. The 36-page catalog contains descriptions and illustrations of Kodak books, pamphlets, sound-slide programs, and films that explain virtually every aspect of motion pictures, including film for television, multi-image, and audio-visuals. The catalog also contains information on the new Kodak Ektagraphic III projectors, as well as detailed information about the 1983 Kodak workshops for communicators.

**Computer Image Generation**, editor, Bruce J. Schachter, a book designed for professionals working in computer image generation and flight simulation, and also as a second course computer graphics text, is available from the publisher, John Wiley & Sons, Inc., 605 Third Ave., New York, NY 10158, at a price of \$29.95. The book provides a detailed analysis of all algorithms and architectures used in major computer image generation devices. Other topics covered include anti-aliasing, data-base design, and the generation of special

effects. Several VLSIC architectures for image generation are critically reviewed. A number of current and possible future applications for computer image generation are presented, including visual flight simulation for pilot training. The book contains 236 pages and is profusely illustrated with photographs and diagrams.

**The 1983 Audiovisual Market Place** is available from R. R. Bowker Co., 1180 Avenue of the Americas, New York, NY 10036, at a price of \$39.95. The book lists more than 6000 producers, distributors, and services by geographic location. Entries are arranged by state and alphabetically by name with address, telephone, key personnel, products and services, subject areas, annual output, year founded, and branch offices. The entries are listed in the Geographic Index and are cross-referenced in the Classified Index, arranged by over 625 products and services. A section covers city and state film and TV commissions with names and phone numbers. Also included is coverage of micro-computers and cable systems.

**The 1983 NAVA Membership Directory** is available from NAVA/ICIA, 3150 Spring

St., Fairfax, VA 22031. The directory contains information on services and products offered by each NAVA/ICIA member firm, as well as names, addresses, and telephone numbers. Also listed are manufacturers, producers, independent representatives, system consultants, non-theatrical film distributors, and special services members. A separate section is included for international companies.

**A solid state CCTV color camera system**, Model 1620, is described in a data sheet available from Cohu, Inc., Electronics Div., P.O. Box 85623, San Diego, CA 92138. The system includes an MOS image sensor and has automatic light level compensation for variations as great as 1000 to 1. The camera has a wide dynamic range, good sensitivity, and is in an environment-resistant, tamper-proof housing.

**A portable battery-powered fiber optic system** for ENG, EFP, and mobile surveillance is described in a two-page bulletin available from Artel Communications Corp., P.O. Box 1000, West Side Sta., Worcester, MA 01602. The bulletin illustrates the operation and configuration of

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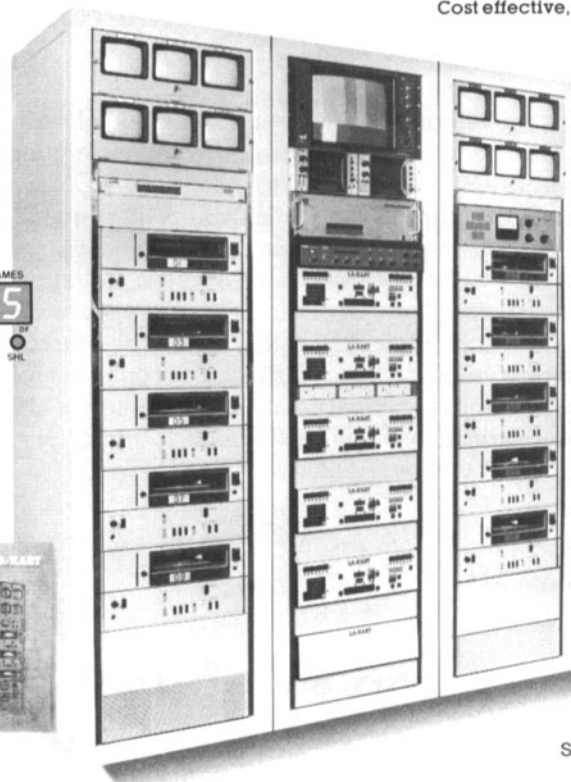
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For more information, contact Hitachi Denshi, America, Ltd., 175 Crossways Park West, Woodbury, NY 11797. (516) 921-7200. Offices also in Atlanta, Chicago, Cincinnati, Dallas, Denver, Seattle and Washington D.C.

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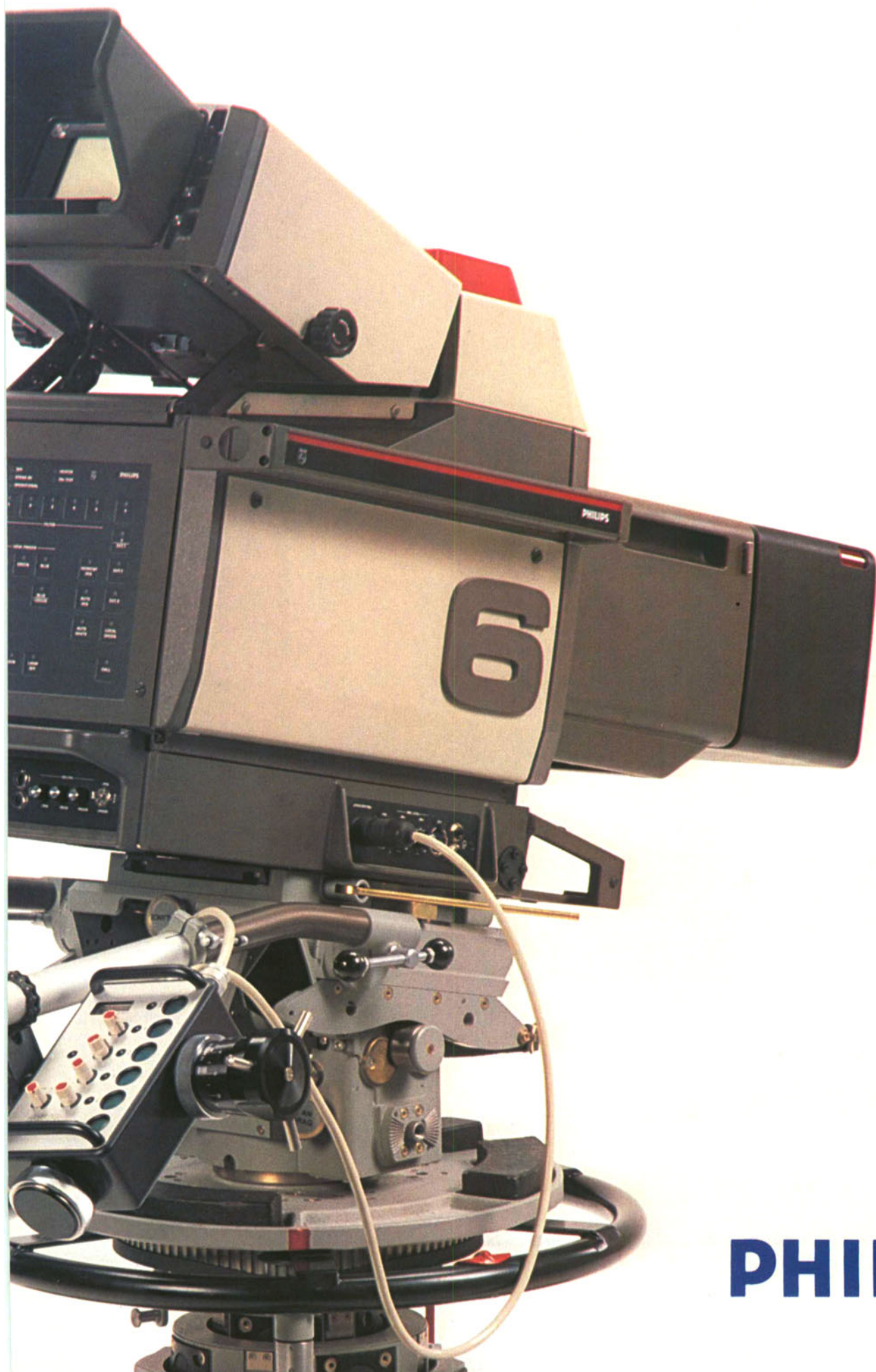
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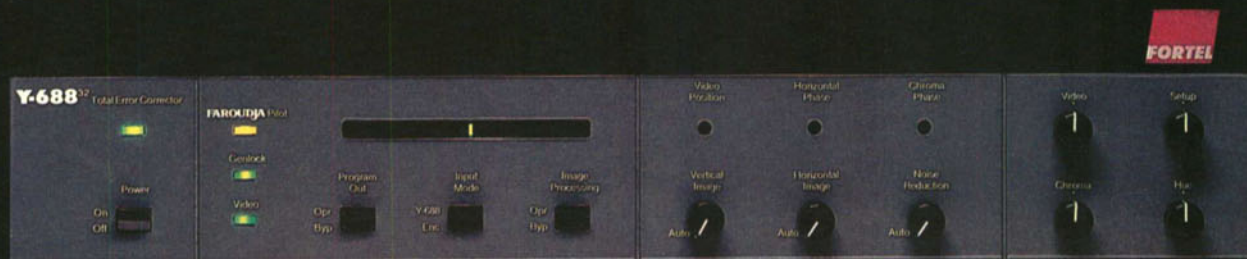
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**FORTEL**

the transmitter and receiver which sends broadcast-quality audio and video up to two miles over fiber optic cables without the need for amplifiers or equalizers. Typical applications include mini-camera to van interconnection in live television ENG/EFP broadcasting, replacing microwave or coaxial links.

**The Nurad 1983 Microwave Systems Catalog** available from Nurad, Inc., 2165 Druid Park Dr., Baltimore, MD 21211, contains 138 pages of illustrations of and specifications for microwave products including antennas, transmitters, receivers, and other related products. Newly devel-

oped products include a low side-lobe antenna called the Silhouette™ which can be used for transmitting or receiving.

**Marconi Instruments**, 100 Stonehurst Ct., Northvale, NJ 07647, has announced an illustrated short form catalog featuring its latest products including the Scalar Analyzer 6500 and the modulation meter 2305. The catalog is available upon request. The 6500 provides on-screen graphics. It has been designed to use an RF power source which can be driven externally by a 10- to 20-V ramp. The model 2305 2-GHz modulation meter raises the level accuracy for modulation measurements of 0.5% on FM

and 1% on AM. Other Marconi products are illustrated and described in the catalog.

**Update**, a 12-page supplement to *The Complete Book of Professional Video Accessories*, a 164-page catalog, is available from Comprehensive Video Supply Corp., 148 Veterans Dr., Northvale, NJ 07647. Data on new products are included in *Update*. Also included is information on a music and sound effects library, wireless microphones, and Quartz Beam™ lighting.

**Practical Aspects of Data Communications** by Paul Kreager (201 pages, illustrated, 6 X 9 in.) is concerned with the growing field of computer terminals and word processing systems. It is available from the publisher, McGraw-Hill Book Co., 1221 Avenue of the Americas, New York, NY 10020, at a price of \$29.95. A how-to-do-it book that avoids technical theory, the guide explains practical ways to solve the problems that can arise in implementing and supporting local communications networks. Among the many aspects discussed in detail are local networking, facility design, integrating the network and the facility, communications area implementation, special data circuit implementation, and documentation.

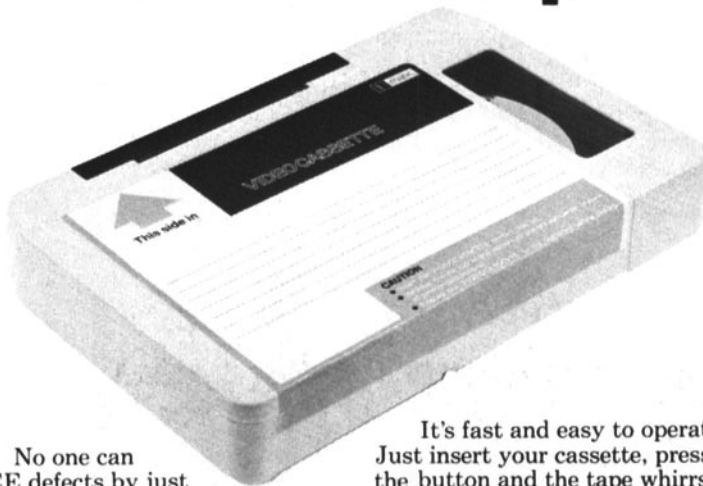
**The Proceedings of PTC '83**, the fifth annual Pacific Telecommunications Conference held January 16-19, 1983, in Honolulu, Hawaii, is available from the Pacific Telecommunications Council, 1110 University Ave., Suite 303, Honolulu, HI 96826, at a price of \$30. The volume was edited by Dan J. Wedemeyer. The book contains 50 papers in 250 pages. Sessions were held on: Local and National Development Needs, Infrastructures, Satellites, and Terrestrial Facilities; Pacific Regional and International Infrastructure, Satellite and Surface Systems; International Systems and Problems.

The papers covered a wide range of relevant topics, including satellite broadcasts, fiber optics, telecommunications in rural areas; and the social, political, and economic aspects of governmental telecommunications policies.

**The 1983/84 edition of the Audio-Visual Equipment Directory** is available from NAVA International Communications Industries Association, 3150 Spring St., Fairfax, VA 22031. The price is \$25 per copy for individuals and organizations not commercially engaged in the audiovisual industry, if payment is sent with order, or \$29 if billed. For non-NAVA-member firms commercially engaged in the industry, the price is \$37.

The 500-page *Equipment Directory* categorically lists more than 2000 equipment items and provides specifications ---

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prices, model, weight, capacity, accessories and technical details — on products in 150 categories. The book includes 1500 photographs. All major categories of audiovisual equipment are included. Appendixes provide charts for screen size, film and tape running items, updated listings of NAVA/ICIA members, trade names, directory contributors, an expanded glossary of terms, charts on projector lamps, and video connector symbols.

**Video Electronics Technology** by Dave Ingram, a book intended for the novice in video as well as a reference source for the advanced practitioner, is available from the publisher, TAB Books Inc., Blue Ridge Summit, PA 17214, at a price of \$15.95 (\$10.95 paperback). The book begins with a review of the principles of the black-and-white TV system, and explains how a black-and-white receiver works. Color TV standards are explained, followed by a description of color receiver operation and setup. There is a complete update on conventional TV receiving antennas and a chapter on Satellite TV Receiver Systems. The book closes with a chapter on "The Quick TV Troubleshooter," explaining how to diagnose various malfunctions.

**The Video Register**, a directory of video users, manufacturers, publishers, dealers, facilities, services and resources, published

by Knowledge Industry Publications, is available from Gale Research Co., Book Tower, Detroit, MI 48226, at a price of \$47.50. The 300-page volume covers the entire range of nonbroadcast video. A section on video users provides means, addresses, and telephone numbers for more than 2000 organizations and firms that are actively using video for internal communications.

**Alphanumeric Displays** by G. F. Weston and R. Bittleston, a book intended for design engineers who must solve problems regarding displays, is available from McGraw-Hill, 1221 Ave. of the Americas, New York, NY 10020, at a price of \$32.50. The book examines in detail the operation and performance of displays and focuses on methods for connecting them to electronic circuits and devices. The book contains 194 pages and is illustrated. Emphasizing applications rather than theory, the authors present solutions to commonly encountered problems. Material on designing and using driving circuits is included. Topics discussed include photometric parameters, legibility, and parameter measurement; addressing methods and multiplexing, and scanned and matrix displays.

**Three volumes on video** are available from Comprehensive Video Supply Corp., 148 Veterans Dr., Northvale, NJ 07647.

**The Video Production Guide**, a 352-page volume by Lon McQuillin, covers all aspects of video production, from script development through distribution. It is intended to be useful to the beginner as well as to the advanced video producer. Hundreds of photos, charts, and graphs illustrate the text. The price is \$28.95.

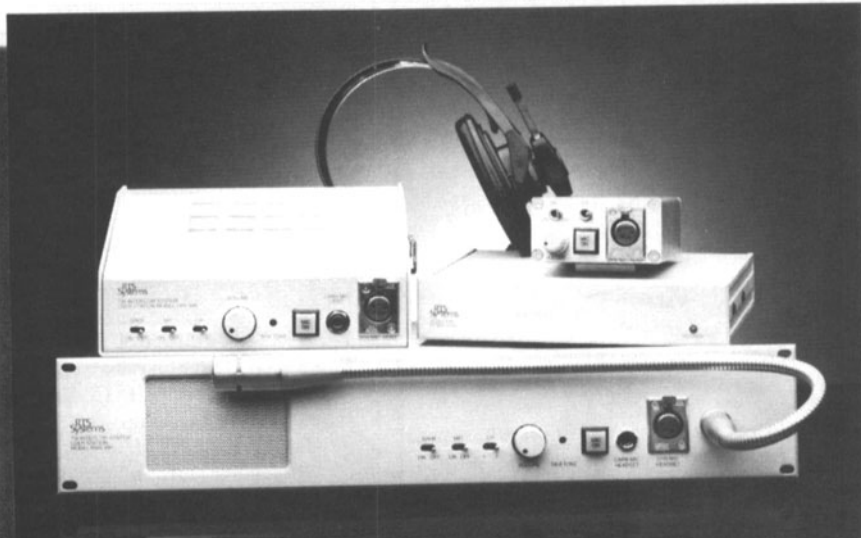
**The Video Guide, Volume III**, a 233-page book by Charles Benninger, is intended mainly for the novice entering the field of professional video. The book is illustrated and covers the latest in home/broadcast and VCRs, videodisk systems, portable battery packs, and editing systems. The book is priced at \$18.95.

**The Home Video Handbook**, 3rd ed., is a 382-page guide for amateurs, giving detailed information on different kinds of equipment, how to record and edit videotapes, and how to connect components. The book is priced at \$13.95.

**Satellite Earth Stations for Television Programming Distribution** is a 10-page brochure, illustrated in color, available from Scientific-Atlanta, Inc., Satellite Communications Div., 3845 Pleasantdale Rd., Atlanta, GA 30340. The company manufactures and supplies total-package earth stations — electronics as well as mechanical components — for the transmission of television programming by satellite. All the components of such a system

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u at 1 KHz = 14000	Density = 7.0 g/cc	Curie Point = 410°C

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are illustrated and described in the brochure.

A transmitter/receiver set which plugs directly into Artel's SL2000 fiber optic transmission system to combine broadcast-quality video and audio on a single card, is described in a four-page bulletin available from Artel Communications Corp., P.O. Box 100, West Side Sta., Worcester, MA 01602. The bulletin describes how the device makes fiber optics cost-effective in shorter distance video/audio applications, such as local networks, CCTV audio distribution, and ENG.

**Product Profiles Catalog 1983/84** listing Audiotronics products, is available upon request from Audiotronics, 7428 Bellaire Ave., North Hollywood, CA 91605. The catalog contains photographs, specifications, and prices for the firm's line of CCTV video monitors, multi-image programmers, tape recorders, and other equipment.

**The Vii Signal Source 32/33/34** display test pattern generators are described and illustrated on specification sheets available from Visual Information Institute, Inc., P.O. Box 33, 719 Lower Bellbrook Rd., Xenia, OH 45385. The 32, 33, and 34 are designed for evaluation of scan linearity and geometry of television cameras and

display monitors, using the Bar or Dot patterns.

**The KWIC Index of International Standards**, a 453-page comprehensive reference of international standards, permits easy, rapid identification of some 7500 standards issued by 24 international organizations. Published by the International Organization for Standardization (ISO), it is available from American National Standards Institute, Inc., 1430 Broadway, New York, NY 10018, at a price of \$185.

A special feature — the Keyword-in-Context (KWIC) format — simplifies the task of looking up a standard. The title of each document appears under all the significant keywords which it contains. The keyword system allows immediate access to international standards relating to a specific subject or product, and enables the user to survey all international standards published in a given field.

**Technical bulletins** and service tips covering various aspects of the Houston Fearless 76 line of film processing systems are available from Houston Fearless 76, Inc., 833 East Walnut St., Carson, CA 90746. Subjects range from tips to help processor operators lower costs and maximize productivity, to bulletins outlining the company's technological advances which users can apply to field-upgrade existing machines.

**High-speed and underwater film cameras**, camera accessories, tripods, dollies, helicopter mounts, sound equipment, and lighting equipment are listed in Rental Catalog No. 7, available from Image Devices International, 1825 NE 149 St., Miami, FL 33181. More than 1000 items for film and video professionals are listed in the 68-page catalog.

**Bandwidth, Probing and Precise Time-Interval Measurements** is a six-page illustrated product note available from Hewlett-Packard, 1501 Page Mill Rd., Palo Alto, CA 94304. It provides a concise review of factors affecting the accuracy of time-interval measurements. As a reference guide for test-system designers, the product note shows how an understanding of system bandwidth and probing limitations can improve measurement repeatability. It discusses waveform distortion that can be caused by measurement-system bandwidth and by probing techniques used in measuring small (picosecond) time intervals. It explains how this distortion can affect the time-interval measurement.

A **portable, dual-trace digital storage oscilloscope** is described in an eight-page brochure (Bulletin 449-20C) available from Gould Inc., Instruments Div., 35129 Curtis Blvd., Eastlake, OH 44094. The

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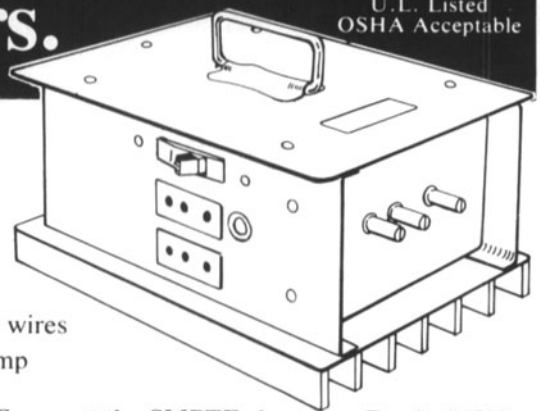
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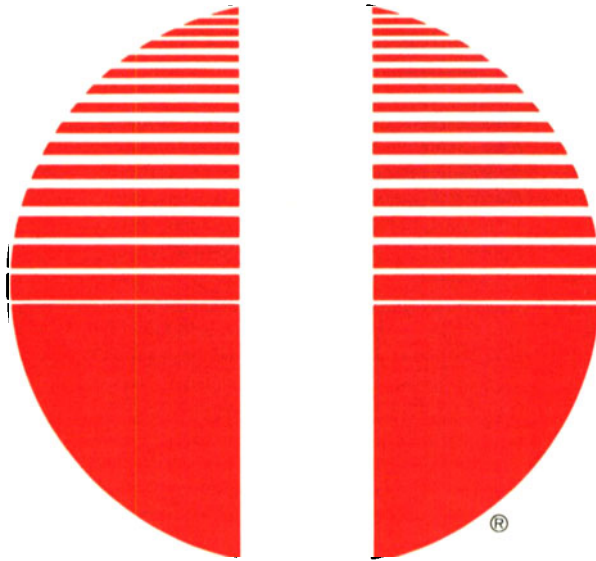


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brochure is illustrated in black-and-white and color and gives a detailed description of the new scope. Designated the Gould DS042000, the instrument is capable of selecting stored waveform portions and expanding them up to X10 vertically and X50 horizontally.

A new magazine, **International Television: The Journal of the International Television Association**, has been announced by ITVA, 136 Sherman Ave., Berkeley Heights, NJ 07922. The magazine will be published by Ziff-Davis Publishing Co. in collaboration with ITVA. The new magazine's editorial

director is Fred Schmidt, and the editor is Dr. Shonan Noronha.

**The International Production Manual**, containing comprehensive sections on film and video production companies, technicians, rental companies, TV stations, etc., is available from Birns & Sawyer, Inc., Dept. PR, 1026 North Highland Ave., Hollywood, CA 90038, at a price of \$30. The manual contains 1475 pages and covers 11 geographic sections. In addition to sections in North America and Europe, it covers Africa, Far East, Australia, New Zealand, South America, Central America, and the Caribbean.

## NEW PRODUCTS

*Further information about these items can be obtained from the addresses given. As in the case of technical papers, the Society is not responsible for manufacturers' statements, and publication of these items does not constitute endorsement of the products or services.*



Camera, Model WV-3230/12X, Panasonic

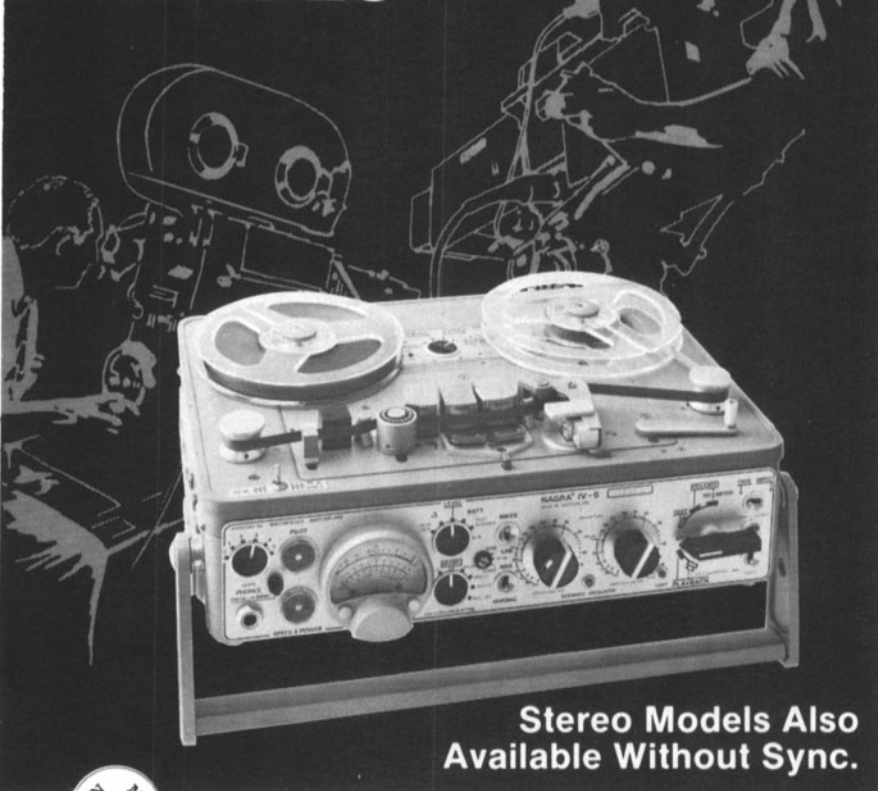
A **high-resolution camera** using a  $\frac{2}{3}$ -in. high-band (5-MHz) Newvicon tube for use under low-light conditions has been announced by Panasonic Industrial Co., One Panasonic Way, Secaucus, NJ 07094. Horizontal resolution is 320 lines. At illumination of 140 fc at  $f/4.0$ , the SNR is 46 dB. At  $f/2.0$  the automatic iris can pick up a picture in as little as 3 fc. The camera, designated Model WV-3230/12X, has a 12:1 (10- to 120-mm) power zoom lens. Control features include automatic fade in/out, auto white balance, or manual red/blue color balance controls. Other features include a built-in title generator that can display seven different colors, and a built-in date and elapsed time generator. The camera weighs 4.8 lb and uses 5.3 W.

A **video camera**, the VC-10A, weighing only 5.5 lb; the VR-20A, a portable VHS videocassette recorder featuring four video heads and stereo sound with Dolby™; the VR-10A; a two-head, mono-sound VCR; the VT-10A tuner/timer; and the VE-10A editor, have been announced by Canon USA, Inc., One Canon Plaza, Lake Success, NY 11042.

The VC-10A video camera has a Canon automatic focusing 11-70-mm  $f/1.4$  variable speed power zoom lens with macro capability. It uses a Saticon. The VR-20A has a four-head configuration controlled by a microcomputer. Separate pairs of heads are used for recording and playback and they are selected automatically for SP and SLP modes. The microcomputer also se-

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