

computerized with north-south, east-west, zoom, spins, traveling pegs, and other features to produce special animation effects economically in either 16-mm or 35-mm formats.

**The Satellite News Channel (SNC)**, a joint venture of Group W Satellite Communications and ABC Video Enterprises, has designed an electronic art department utilizing the Lyon Lamb VAS IV animation controller and animation stand. A camera is mounted on the stand. It is used as a moving copy stand, and everything is put into electronic storage. SNC combines images created by their animation department with a Computer Graphics Lab Images Computer, a Quantel, and an Ampex ADO to produce total in-house animation and graphics. The VAS IV controller acts as an editor/switcher. It is interfaced with two Sony BVU-800s in tandem, allowing frame-by-frame recording and editing directly to broadcast videotape.

**Steenbeck, Inc.**, has purchased larger and more modern premises at 9554 Vassar Ave., Chatsworth, CA 91311. The firm was formerly located at 9045 Eton Ave., Canoga Park, Calif. The new location provides for considerable expansion in-

cluding more spacious test and assembly areas, separate showroom, rental department, extra space for service, and greater storage for spare parts.

#### **Kodak Develops ASA 1,000 Film**

A new 35-mm color print film with an ASA rating of 1,000 has been developed at Eastman Kodak's Research Laboratories. Reported to be the world's fastest color film, usable under extremely low light conditions, it is expected to be the first in a series. The ASA 1,000 film is said to have the same-quality grain and sharpness as the ASA 400 film, currently the fastest available. The new film was produced by altering the shape and sensitivity of the silver halide crystals that give photographic materials their sensitivity to light.

Judith Schwan, Assistant Director of the Research Laboratory, commented on the new film, saying, "We feel that we have made an important advance in silver halide technology. This emulsion technology can be applied to a number of products; it can be used for black-and-white and color films, negative and reversal, and we feel that it also has potential for motion picture film."

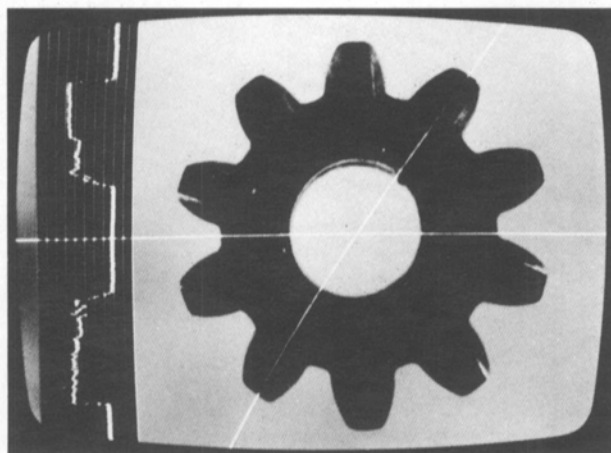
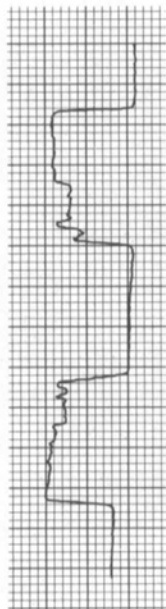
Ms. Schwan said that this new film, "with which we are all delighted," was the result of dedicated teamwork on the part of the Laboratory's personnel.

## **BOOK REPORTS**

**The Video Age: Television Technology and Applications in the 1980's** by Mark Schubin is available from the publisher, Knowledge Industry Publications, Inc., 701 Westchester Ave., White Plains, NY 10604, at a price of \$29.95. Containing 264 pages, the book covers several aspects of the many advances made and being made in television technology.

Schubin documents the many inventions and breakthroughs from the videotape recorder to high definition television cameras, and describes developments yet to emerge from the laboratory and those awaiting government approval. The innovations he discusses are in every area of television technology including acquisition, storage, distribution, processing, and presentation. Presented within a historical framework and soberly critiqued, the innovations include such developments as cellular communications that may someday allow individuals to communicate with two-way portable television systems; pictures shown on displays only 1-in. wide (making wristwatch television a reality); displays the equivalent of wall murals; and fiber optics transmission which could make

## **DIRECT VIDEO IMAGE ANALYSIS**



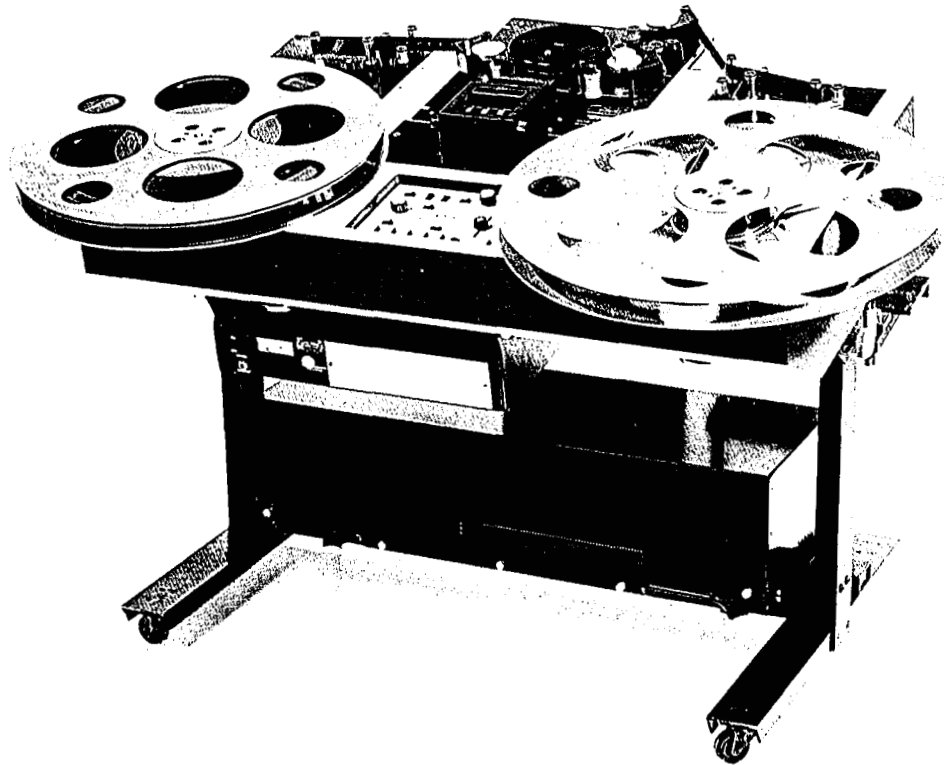
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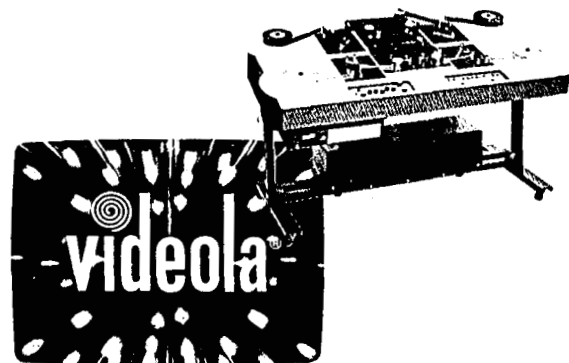
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the number of television channels that can be received as limitless as the number of telephones that can be dialed.

The **Pro-Audio Yearbook 1982/83** contains 686 pages of information and photographs dedicated to every aspect of professional recording and sound broadcasting. It is available from the publisher, Link Magazines (Croydon) Ltd., Dingwall Ave., Croydon CR9 2TA, England, at a price of £24 or \$50. The book contains 8000 separate entries with more than 700 photographs. Information has been supplied by some 1200 pro-audio dealers and distributors in 80 countries. In addition to the

many product sections there are sections covering engineering and consultancy services, computer services and training, and a section providing full details of main power supplies in almost 200 countries. The Address Index lists companies alphabetically with phone and telex numbers as well as addresses, and also shows the principal contacts for more than 3000 companies throughout the world.

The **International Video Yearbook** (6th ed), a publication of Blandford Press, has been completely updated, and many new products and services have been added. The *Yearbook* contains 736 pages and more

than 800 photographs. It provides information from more than 80 countries as well as new sections on airborne video; cable and connectors; satellite terminals; video-cassette storage and cases; and portable audio mixers. It contains more than 7000 separate entries and 3200 company addresses listed alphabetically. The *Yearbook* is available from Mallard Book Service, Link House, West St., Pool, Dorset BH15 1LL, England, at a price of £25 in the UK, \$50 in the United States, and \$55 in Canada.

The **Communications Standard Dictionary** by Martin Weik is available from Van Nostrand Reinhold, 135 W. 50 St., New York, NY 10020, at a price of \$39.50. The dictionary contains 928 pages and 176 illustrations, and provides clear definitions and relevant terms covering every field of communication from acoustics through fiber optics to wire communication systems.

Entries are arranged in alphabetical order, and every significant word in a multiple-word entry is featured in the main listing. Italics are used to indicate the words that are defined elsewhere in the dictionary. Synonyms are included, along with references to preferred terms.

**Microprocessor Development and Development Systems**, edited by Vincent Tseng, is a 202-page illustrated book offering a thorough delineation of the development process. Ten specialists contributed major discussions on Microprocessor Development Systems (MDS) and related fields. With in-depth coverage of a wide range of existing systems and tools, the book examines such topics as hardware/software trade-offs, the MDS facilities, system architecture, memory management, multi-user environment, and mass storage.

**HMI: For Best Performance in the Role of the Sun**, a 12-page brochure illustrated in color, is available upon request from Osram Corp., P.O. Box 7062, R.D. No. 3, Jeanne Dr., Newburgh, NY 12550. The brochure describes the advantages of HMI lamps and includes a table showing specifications for HMI lamps ranging from 200-W to 4000-W. A diagram in color shows the spectral distribution of the radiant flux of HMI lamps as compared to the relative spectral distribution of daylight at 5500 K.

A four-page, three-color brochure describing the **SL-2000 video transmission modules** is available from Artel Communications Corp., P.O. Box 100, West Side Sta., Worcester, MA 01602. The brochure shows how a single fiber can carry video, audio, and data simultaneously in video-based local networks or in television broadcasting applications. A block diagram shows different combinations of video and multiple audio/data transmission using a plug-in module approach.

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