

Industry News & Educational Activities

Rural telecommunications was the subject of a seminar held in September in Delhi, India, which was organized by the International Telecommunication Union (ITU), the specialized agency of the United Nations for telecommunications. The seminar was held in cooperation with the India Posts and Telegraphs Department. In announcing the seminar an Indian official noted, "The exodus of people from rural areas makes urban areas far more crowded. We have got to reverse this process and it is, therefore, necessary that what is available in towns and cities, all the facilities for having a fuller life, have got to be accessible in the rural areas."

One of the plans for the future envisioned by the late Peter C. Goldmark was the New Rural Society, in which new applications of communications technologies would result in a more even distribution of the population by a move away from congested urban centers to underdeveloped rural regions.

Another nationwide use for telecommunications was the subject of a conference on Multi-Media Teleconferencing held in October by the Institute for Graphic Communication.

The Association for Multi-Image (AMI), 947 Old York Rd., Abington, PA 19001, has announced the establishment of the AMI Archives and Clearinghouse (called ACH), developed by Ken Burke, Professor in the Broadcast-Film Arts Department of Southern Methodist University in Dallas. The catalog will be available without charge to AMI members and to non-members for a modest fee. Included will be dissertations, book excerpts, articles and unpublished papers dealing with multi-image. Much of the collection will not be available for reproduction because of copyright restrictions, but anything in the public domain will be reproduced on request. Some of the ACH material intended for distribution will include articles released by publishers as well as abstracts and summaries of dissertations and articles prepared by AMI members. Also included are bibliographies on multi-media and multi-image research, with the latter annotated. Later, ACH will probably be expanded to include non-print materials such as media programs and listings of publicly available programs.

RCA Global Communications, Inc., 60 Broad St., New York, NY 10004, has announced that it will donate 7100 acres of undeveloped land on eastern Long Island to the New York State Department of Environmental Conservation. The gift includes 5100 acres at Rocky Point and 2000 acres at Riverhead, located 60 to 70 miles from New York City. The two properties are appraised at approximately \$20 million. The acreage will be known as Pine Barrens Preserve and will be used to protect open space and to conserve the land, water and wildlife resources of the area.

RCA Global Communications acquired the property in the early 1920s for use in transmitting and receiving overseas high-frequency radio communications. As communications technology progressed, the long-wave system

became obsolete. As a result, the properties are essentially no longer required for Globecom's operations. The last of a dozen 410-ft antennas was demolished in December 1977.

The Royal Television Society News Awards Committee, under the chairmanship of Sir Charles Curran, former Director General of BBC, has extended its annual news awards competition to include journalism and current affairs. A major new open award has been announced. It is intended to encourage maximum exploitation of new technological developments in broadcasting as an aid to newsgathering and is open to broadcasters from any country in the world.

Other new awards include a current affairs award for contextual reporting, a daily news magazine award open to every region including London, a documentary award for a program with a news connotation relating to a subject of public discussion, and an award for amusing news reporting. The news award categories include Film Portfolio, Hard News, Regional News, News Feature and Television Reporter of the Year.

The Engineer at Mid-Career: Utilization or Discrimination, the proceedings of a conference co-sponsored by the Institute of Electrical and Electronics Engineers and the National Science Foundation, is available from IEEE, 345 E. 47 St., New York, NY 10017, at a price of \$7.00 (\$4.50 for IEEE members). The 138-page book examines in depth the subtle age discrimination prevalent in the engineering field, noting in the introduction "the double hazard of being an engineer over 45." Co-chairmen of the conference held in December 1977 in Washington, D.C., were Hans C. Cherney and Martin Hamburger. The conference's three sessions were on (I) Aging and Engineering: Myth vs Reality, (II) The Impact of Aging on the Individual and his Working Environment, and (III) Alternatives for the Future.

The preface, by the conference co-chairmen, notes that "... the Conference represents only one aspect of an ongoing program by IEEE to promote the full utilization of older and experienced engineers ..."

An especially interesting paper by Michael D. Batten, "Government Initiatives on Age and Employment Policies: An Assessment," discusses the Age Discrimination in Employment Act of 1967 (ADEA), examining key cases and the legal issues that have arisen under the ADEA.

Three papers were presented in Session III (Alternatives for the Future) — "Policies of Other Countries Toward Older Workers" by Gerald G. Somers, "Industrial Self-Regulation" by Gerry Morse, and "Improving Government Policy and Regulation" by Frank Cummings.

Recommendations on Uniform Color Spaces — Color-Difference Equations — Psychometric Color Terms (CIE Publication No. 15, Supplement No. 2) has been published by the Commission Internationale De L'Eclairage. It is

available from Dr. Jack L. Tech, Secretary, U.S. National Committee, CIE, National Bureau of Standards, Washington, DC 20234, at a price of \$14.

The 24-page supplement contains the original English text and approved French and German translations. Two color-difference formulas are recommended: CIE 1976 (L*u*v*) — CIELUV formula; and CIE 1976 (L*a*b*) — CIELAB formula. The first formula is especially useful in cases where color lights are mixed additively, for example, in color television, and the second formula in cases of colorant mixtures (textile and dyestuff, for example). Seven new terms are recommended. They are defined by using the parameters of the CIELUV and CIELAB formulas.

The first Mach One editing system interfacing AVRI recorders and a computer learning capability is now on-line at Image Transform, Inc., 4142 Lankershim Blvd., No. Hollywood, CA 91602, according to a recent announcement. The E-MEM (electronic-memory) feature is a new concept in editing memory and allows the computer to learn manual switch operations as performed by the operator. Any desired effect, such as wipes, audio fades, frame time transitions, dissolves, etc., can be repeated automatically any number of times.

August Arnold, a founding partner of Arnold and Richter KG and one of the few remaining motion-picture pioneers, celebrated his 80th birthday on 12 September. An interest in all things mechanical and a fascination with the emerging motion-picture world caused him and his friend, the late Robert Richter, to found Arnold and Richter in 1917, while they were still teenagers. (An obituary of Robert Richter appears on p. 625 of the August 1972 *Journal*.)

The greatest impetus was given to the company in 1936 when Arnold perfected and patented the first handheld, battery-powered, through-the-lens 35mm reflex motion-picture camera. Arnold is still creatively involved in many areas of his diversified company. Quite recently he was granted a patent on a new HMI light.

Paul Jaeger, head of Du Art Film Laboratories Sound Studios, was requested by New York University's School of Film and Television to teach the intermediate and advanced workshops in sound. Prof. Jaeger's teaching techniques involve the use of Du Art's facilities to give his students hands-on instruction. Among the innovative programs he developed is Du Art's "Do-Your-Own-Mix" policy. He also initiated an apprentice-mixer program by which independent and student productions can have their mixes accomplished by budding sound professionals at minimal cost. Du Art Film Laboratories is located at 245 W. 55 St. in New York City.

William A. Fink has been appointed Vice-President, Director of Marketing for Thomson-CSF Laboratories, Inc., 37 Brownhouse Rd., Stamford, CT 06902. He was formerly Manager of Television Products for Conrac Corp. in Covina, Calif. In his new post Fink will be responsible for marketing the Thomson-CSF Laboratories line of professional broadcast equipment and for product planning and new ventures. Thomson-CSF Laboratories are the developers and manufacturers of the Microcam® miniature color television camera, Vidifont® electronic character generator, the Digital Noise Reducer, and other TV and radio signal-processing equipment.



Communications without visuals is like a play with the actors behind the curtain.

Film is the medium capable of capturing a unique moment in time in all its richness and color. In full action. In pulsating reality. Because whatever the eye can see, film can record.

But that's not all.

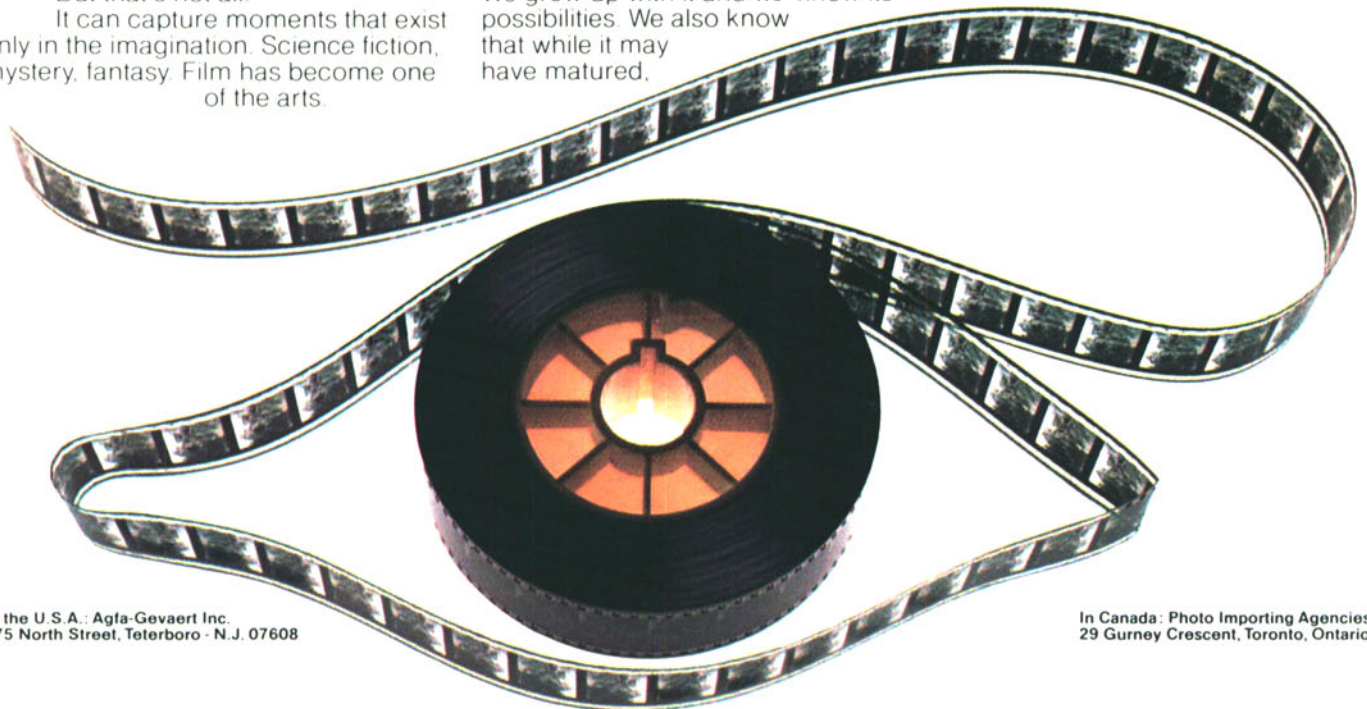
It can capture moments that exist only in the imagination. Science fiction, mystery, fantasy. Film has become one of the arts.

For millions of people, it is an indispensable part of their daily lives. Whether at the cinema. On television. Or in their home projectors.

Agfa-Gevaert is a film pioneer. We grew up with it and we know its possibilities. We also know that while it may have matured,

it has not aged. Film will be as vibrant tomorrow as it is today.

**SYSTEMS FOR PHOTOGRAPHY • MOTION PICTURES •
GRAPHIC ARTS • RADIOGRAPHY • VISUAL ARTS •
REPROGRAPHY • MAGNETIC RECORDING**



Books, Booklets, Brochures

Laser Beam Information Systems, Ed. William C. House, summarizing the current state of laser applications to input-output, central processing, memory and display units for computer systems, is available from McGraw-Hill Book Co., 1221 Ave. of the Americas, New York, NY 10020, at a price of \$15. Some of the topics investigated in depth in the 192-page book are optical data storage, communications on a beam of light or by optical fiber, mass memories for future computers, holographic optical memories for bulk data storage, optoelectronic memories, alternative component technologies for advanced memory systems, and computer applications of lasers.

The Public Broadcasting Report, a new biweekly newsletter devoted to public television, radio and related fields, is published by Television Digest, Inc., 1836 Jefferson Pl., N.W., Washington, DC 20036. The subscription rate is \$127 a year. Among other informative items, the newsletter examines, in depth, controversial bills before Congress that could adversely affect public broadcasting as well as other communications fields.

Pre-recorded videocassettes of almost 600 American and foreign feature films available for purchase or exchange are listed in a 34-page catalog from the Video Cassette Exchange Division of Discotronics Inc., 50 No. Main St., Cranbury, NJ 08512. The films, many of which have never been shown on television, can be obtained in either BETA or VHS half-inch formats. The trade-in program operates similarly to a rental library, and the organization guarantees the quality of its preowned videocassettes. Two new services announced in the catalog are a toll-free phone number for placing orders and a nationwide home pick-up service for trade-ins available for a small service charge.

Booklets available upon request from Cohu, Inc., Box 623, San Diego, CA 92112, include: (1) The revised 1978 edition of the short form catalog describing the current line of broadcast television products. The catalog includes photographs and descriptions of the equipment. (2) A booklet entitled *Cohu Reference Data—High Sensitivity Television Cameras in Low-Light Applications*. The illustrated booklet defines the parameters of high-sensitivity closed circuit television surveillance systems and provides specific data to assist users in selecting a system to meet their need. (3) A brochure illustrated in color describing Cohu's medical television camera systems. (4) A brochure describing closed circuit cameras suitable for monitoring, surveillance and laboratory work. Low-light-level cameras, environmental cameras and high-resolution television cameras are also described.

Test and measuring instruments are listed and described in a 12-page short form illustrated catalog available upon request from Leader Instruments Corp., 151 Dupont St., Plainview, NY 11803. In addition to oscilloscopes, the catalog lists eight professional audio instruments including two audio system analyzers; four multimeters including digital and analog versions; frequency counters; color bar generators; and FM multiplex generator and other instruments and accessories.

Also available from Leader Instruments is a 16-page catalog listing eight dual and single trace oscilloscopes. Each instrument is described in detail and full specifications are given.

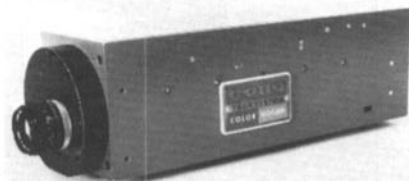
New Products & Developments

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.



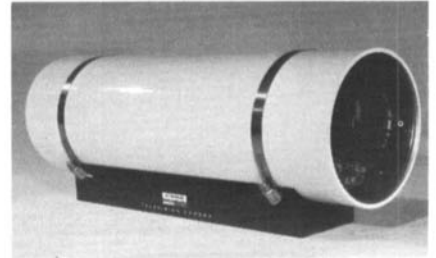
The **TKP-46 portable production camera** has been announced by RCA Broadcast Systems, Front and Cooper Streets, Camden, NJ 08102. The camera can be used either as a portable field camera or as a studio camera. For field use the camera fits on the cameraman's shoulder and the viewfinder can be continuously adjusted. The lens is mounted to the camera head with a quick-release bayonet feature. For studio use the camera is mounted in a "Minimax" adaptor with a large viewfinder. The TKP-46, developed from the TKP-45 electronic field production camera (*Journal*, p. 332, April 1974), includes such features as a built-in microphone input at the camera head, small-diameter lightweight camera cable, shock-mounted optical system, wide range of lens options, choice of mounting equipment, and a full range of operational automatic features including iris control, white balance, black balance and pulse advance.

The TKP-46 is available in two different systems. System I includes the TK-46 studio camera control unit and is priced at \$56,800. System II includes the portable Minipak CCU and is priced at \$50,970.

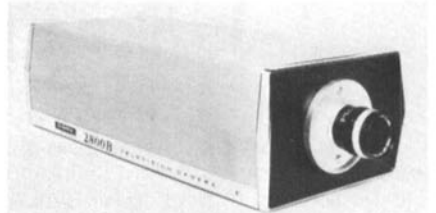


A **low-light, single-tube color Isocon television camera system** has been announced by Cohu, Inc., Electronics Div., Box 623, San Diego, CA 92112. Designed for color applications at extremely low light levels, the camera system, designated Model 7400, features high sensitivity and NTSC color output. The system consists of a camera, a camera control, and a color control. The camera head can be located up to 1000 ft from the control units. Typical applications include specialized medical research where the

camera is interfaced with a high-power microscope and videotaping live theatrical productions utilizing the available light in the theater. Prices begin at \$35,136.



An **environmental single-tube color television camera system**, model 1420, been announced by Cohu, Inc., Electronics Division, Box 623, San Diego, CA 92112. The new camera uses the 1490 color control unit. In its cylindrical-shaped, environment-resistant housing, model 1420 can operate in temperature extremes from -20°C to 55°C . The camera has a 6-in diameter. The length depends upon the lens selected. With the $1/2$ -in $f/1.4$ lens, the length is 14.2 in and the weight is 15 lb. Applications include observation of flue gasses, stack gasses, jet exhausts and other applications requiring color pictures under harsh conditions. Prices begin at \$6300.



A **new television camera**, Model 2810 B, designed for long-term unattended operation, has been announced by Cohu, Inc., Electronics Div., Box 623, San Diego, CA 92112. Features include 900 lines horizontal center resolution, 40,000-to-1 automatic light range, 10-shade gray-scale resolution with 0.5 lm/ft^2 of high-light illumination on the image tube faceplate, and modular etched glass epoxy circuit boards with all solid-state construction. Manual operating controls are provided on the camera's rear panel. The camera can also be remotely controlled by means of a Cohu 2380 series remote control. The 2810 B contains an internal EIA RS-170 sync generator. A CCIR sync generator and a genlock are available as options. With a video cable and a television monitor, the 2810 B provides a CCTV system. Among other applications, the 2810 B can be used for security surveillance of parking lots, corridors, restricted areas and the like. The price of the 2810 B camera system is \$1825.

A **new black-and-white Vidicon**, designated the WV-1000A, and the Newvicon CCTV camera series have been announced by Panasonic. One