

9-14 November 1980
SMPTE Technical Conference and
Equipment Exhibit, New York Hilton
Hotel, New York City. Info from SMPTE
Headquarters.

14-16 October 1980
Internecon UK '80, Metropole Exhibition
Centre, Brighton, England. Info from British
Information Services, 845 Third Ave., New
York, NY 10022.

28-30 October 1980
Testmex Electronic Test and Measuring Ex-
hibition, Wembley Conference Centre,
London, England. Info from British Informa-
tion Services, 845 Third Ave., New York, NY
10022.

4-6 November 1980
Compec, Computer Peripheral and Small
Systems Exhibition, Olympia, London, Eng-
land. Info from British Information Services,
845 Third Ave., New York, NY 10022.

10 November 1980
PMPEA 1980 Symposium, New York City.
Info from PMPEA, University Tower, Suite
806, 6440 N. Central Expwy., Dallas, TX
75206.

18-21 November 1980
Video Tradex International Exhibition and
Conference, Wembley Conference Centre
(near London, England). Info from S. Mac-
Donald, Link House, Dingwall Ave.,
Croydon CR9 2TA, England.

Industry News & Educational Activities

The Signal Companies, a worldwide multi-
industry company, and Ampex Corp. have en-
tered into an agreement in principle for the
merger of Ampex into Signal through an ex-
change of common stock, according to an an-
nouncement made jointly by Forrest N.
Shumway, Signal Chairman and Chief Execu-
tive Officer and Arthur H. Hausman, Presi-
dent and Chief Executive Officer of Ampex.
In addition to other provisos, completion of
the merger is subject to approval by the Board
of Directors and shareholders of each com-
pany, a favorable tax ruling, and approval of
various regulatory agencies. The merger is
expected to close in mid-1980.

In making the announcement Shumway
stated, "Ampex is a well managed company
with a great future. We contemplate no
changes in its operating philosophy nor in its
existing management. Ampex Corp. is head-
quartered in Redwood City, Calif. It prin-
cipally designs, manufactures, and markets
worldwide professional audio and video sys-
tems, computer memories and data handling
products, magnetic tapes, and accessories.

With the installation of a 5-m antenna and
the necessary terminal devices at the RCA
Princeton Labs, a new 56-Plus satellite sys-
tem for wideband data transmission began
demonstration operations in March 1980. The
main purpose of the demonstration, which
will be operating through a duplicate Scien-
tific-Atlanta installation in Atlanta, is to show
potential RCA customers a broad spectrum of
56-Plus capabilities, according to an an-
nouncement from RCA. The 56-Plus is a
wideband data service providing transmission
by satellite to high speed data users between
dedicated earth stations. Up to 96 low speed
channels can be transmitted on only one 56-
kbit/s circuit. It is six times faster than a voice
grade line. RCA has selected Scientific-At-
lanta as the supplier of the dedicated earth sta-
tions. The 5-m antennas are compact, trans-
portable, and require a minimum of site
preparation.

Reeves Teletape, 304 E. 44 St., New York,
NY 10017, has opened a new 1-in videotape
computerized editing room, it was recently

RCA's FR-35 DP Projector for large screen presentation. You should see it in action.

First it was the FR-35TV 35mm Projector with unique features for high quality
film-to-tape transfers. It was a needed television post-production tool—an
instant success.

Now RCA Photophone Systems introduces the companion product—the
FR-35DP Projector for direct large screen presentations.

The FR-35DP adds a new degree of flexibility and efficiency to
film post-production operations, with features such as these:

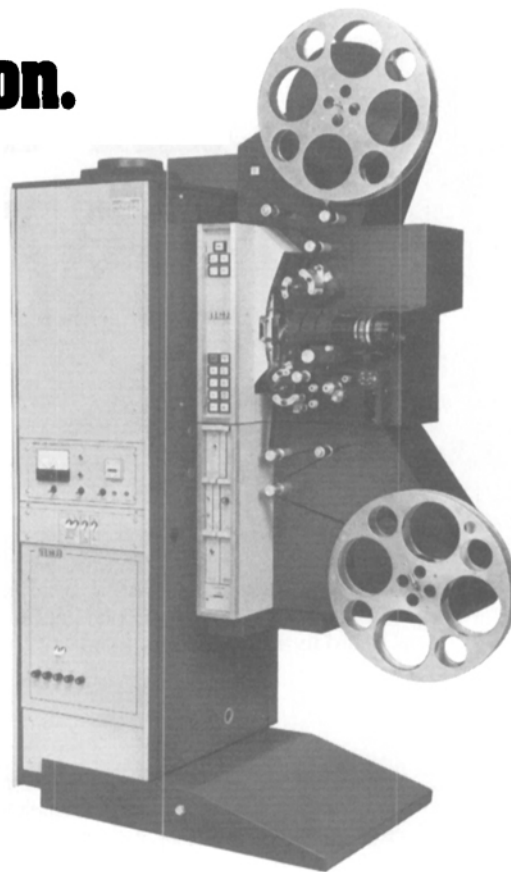
- New Xenon illumination system provides maximum reflection,
excellent screen intensity and light distribution (750 W to 4500 W
systems available).
- Operates at cine (24 or 25 fps) or 6 X cine speed, forward or reverse.
- Servo-driven pull-down with Electronic Registration.
- Superior picture stability—virtually no jitter or weave.
- Continuous speed sprockets and shutter are servo-driven for 2:2 or
2:3 pull-down (permits projecting "dailies" and making a video tape
simultaneously for editing).

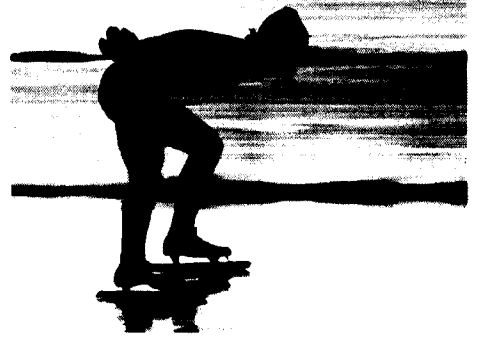
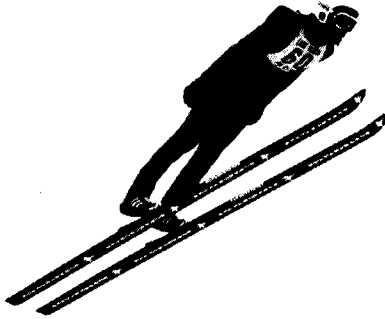
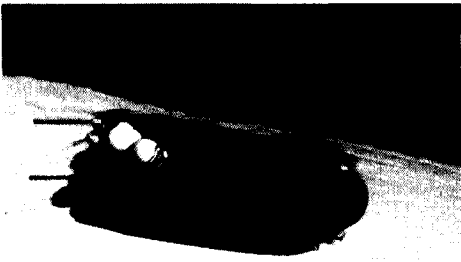
FR-35DP—the 35mm projector for critical large screen presentations.

Another innovative, need-filling product from RCA Photophone Systems—
the people with the broadest line of sound-on-film and sound-for-tape systems.

Ask your RCA Representative to give you the big picture on the FR-35DP. Or
write RCA, 2700 W. Olive Avenue,
Burbank, CA. 91505 U.S.A.
Telex 68-6215.

RCA Photophone
Systems



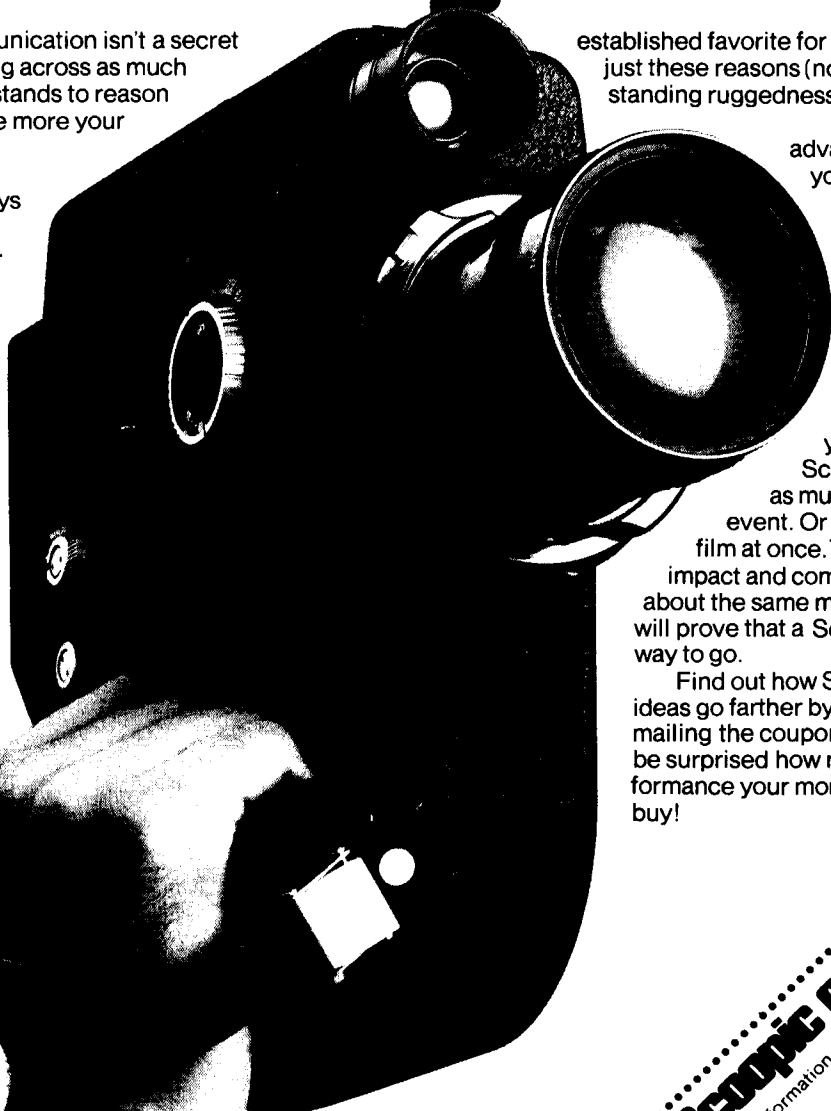


Scoopic can make your ideas go farther.

Effective visual communication isn't a secret art. It comes down to getting across as much information as possible. It stands to reason that the more you show, the more your message hits the mark.

The trouble often is, though, that you can't always show as much as you'd like and still stay within reasonable costs. That's why you should investigate the Canon Scoopic 16MS.

The Scoopic 16MS is a top-quality professional 16mm motion picture machine with some very distinct advantages. First, it's easy to operate technically. Second, it's easy to operate physically because it's light, compact and tailor-made for hand-held action shooting. In fact, it's an



established favorite for spot news coverage for just these reasons (not to mention its outstanding ruggedness and Canon zoom lens).

But the real Scoopic advantage lies in how it helps you get your ideas across by stretching your ability to cover your subject. Offering top-level performance in an amazingly affordable price range.

For the cost of some systems—with comparable end results—you could buy *three* Scoopics. That's three times as much coverage of a single event. Or three places you could film at once. Three times as much impact and communication value for about the same money. Simple arithmetic will prove that a Scoopic system is a smarter way to go.

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 Industrial Products Division De Boelelaan 6, Amsterdam, Netherlands
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Please send me information on the Scoopic 16MS and its system

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announced. The equipment is housed in a studio "designed for comfort and engineered for sound," the announcement stated.

RCA American Communications, Inc., 201 Centennial Ave., Piscataway, NJ 08854, has filed applications and amendments with the FCC relating to certain technical improvements in satellite design and also requesting authority to launch a replacement for Satcom III, lost on 10 December 1979 shortly after the apogee kick motor was fired. The new Satcom III will be positioned at 132° West longitude and will carry cable television.

In an amendment to its application of 27 August 1979 requesting authority to launch Satcom IV, RCA Americom has indicated to the FCC its intentions to have an improved system to provide in-orbit restoration for failed transponders on its satellite system. Restoration will be provided through an increased number of preemptible transponders available only for occasional television service. RCA Americom also indicated that future satellites in its series will have 24 8.5-W amplifiers. The Satcom III replacement will probably be launched in June 1981 and Satcom IV in October 1981.

A silver recovery seminar on videotape has been announced by the Du Pont Co. The 22-min videotape intended for film users explains how to compute the amount of silver available for recovery and describes three methods for recovery — chemical precipitation, metallic replacement, and electrolytic plating. The videotaped seminar also gives guidelines for

choosing the proper method and advice on how best to sell the recovered silver. Further information is available from Thomas M. Tonkin, Marketing Communications Dept., Du Pont Co., Wilmington, DE 19898.

Video Automation Systems Inc., Upper Shad Rd., Pound Ridge, NY 10576, has added a third anti-piracy circuit to the Secure Copy 2 system, according to a recent announcement. The new generation Panasonic, Quasar, and RCA VHS VTRs cannot copy tapes protected with the new Secure Copy 2 signal, the announcement stated. When a copy is attempted, the pirated tape has a greatly distorted and degraded signal and is not viewable or salable; however the new VAS Secure Copy 2 allows normal playback on conventional receivers. No decoder is necessary. The system uses a master encoder which produces the Secure Copy 2 signal. The signal is then routed to the slave recorders via a normal distribution amplifier and interface modules which distribute the signals into each slave recorder. Formats can be mixed in the same system. The Secure Copy 2 anti-piracy system protects program material on Betamax and VHS and on all recorders.

Harrison Systems, Inc., P.O. Box 22964, Nashville, TN 37202, has announced the appointment of F. W. O. Bauch, Ltd., as its exclusive agent in the United Kingdom and the Republic of Ireland. Bauch will represent the entire Harrison line of music recording, post production, broadcast, and live performance consoles as well as the Harrison automation

systems. Bauch is also the exclusive dealer of Studer products in the United Kingdom.

William A. Fraker has been re-elected President of the American Society of Cinematographers. Other newly elected officers are Stanley Cortez, First Vice-President; Harry Wolf, Second Vice-President; Ted Voigtlander, Third Vice-President; Linwood Dunn, Treasurer; George Folsey, Secretary; and Daniel Papp, Sergeant-at-Arms.

Fred J. Haines has been appointed Video Engineering Manager for the Broadcast Products Div. of Harris Corp., P.O. Box 4290, Quincy, IL 62301. He was formerly Camera Product Manager for International Video Corp., Sunnyvale, Calif. In his new post he will be responsible for developing new television cameras and other video products.

Donald R. Reynolds has been appointed Product Marketing Manager for Orrox Corp., 3303 Scott Blvd., Santa Clara, CA 95050. He was formerly Product Manager for the Compositor product line at the TeleMation Division of Bell & Howell in Salt Lake City. He had been with TeleMation since 1974. Previous affiliations include the RCA Professional Television Group and Commercial Electronics, Inc.

Robert G. Griffiths has been appointed Vice-President of sales for the Telemet Division of Geotel, Inc., 185 Dixon Ave., Amityville, NY 11701. He was formerly Eastern Area Sales Manager for Telemet, and earlier he

TV FRAME GRAB!

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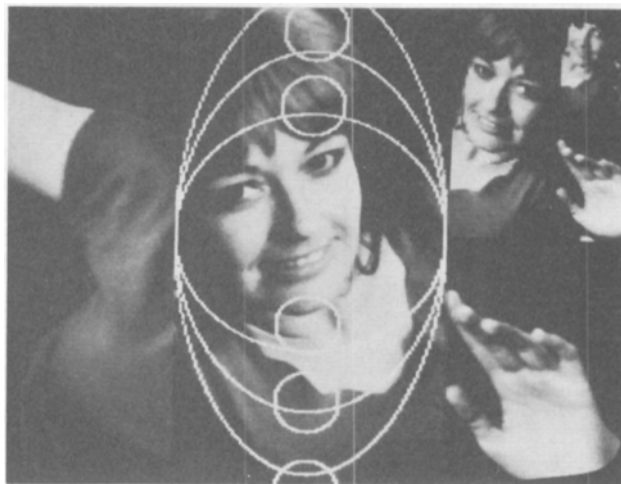
- put video in, get either digital or video out
- put digital in, get digital or video out

Standard features:

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- resolution to 256x512 pixels
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And the 274 interfaces easily with most minicomputers.

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Networks rely on us for everything from specials to fast-breaking news. As do independent producers, corporations and institutions, for all kinds of applications. In 2" quad, 1", 3/4" U-matic® and 1/2" VHS or Beta videocassettes.

They know Fuji stands up to the most stringent demands. Providing clearer, sharper, crisper pictures. More accurate, intense and consistent color. Plus unexcelled

freedom from dropouts, particularly important with slower speeds and repeated edits. And all with the kind of reliability and durability that keep productions looking as good on the hundredth pass as they do on the first.

So, no matter what your profession, get Fuji. The professional tape professionals depend upon.

FUJI TAPE

One brand fits all. Better.

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350 Fifth Avenue, New York, New York 10001 (212) 736-3335

was a regional manager for GT&E Sylvania, Commercial Electronics Division.

Jeffrey L. Glasserow has been appointed Vice-President and Account Supervisor for Ernest-Van Praag, Inc., 135 E. 55 St., New York, NY 10022. Prior to joining Ernest-Van Praag, Glasserow was a senior Producer/Director for WGTV-TV in Atlanta, Ga., where program development, marketing, and distribution were under his jurisdiction. His Blue Grass Festival series received an Emmy award in 1976.

George H. Lunn received the 1979 Coleman Memorial Award in High Speed Photography from Sir Ieuan Maddock, Principal of St. Ed-

mund Hall, Oxford, and Secretary of the British Association for the Advancement of Science, in a ceremony at the Kodak Southern Sales Centre in London on 20 December 1979. Lunn is the third recipient of the Award; John Hadlund (UK) received the first Award in 1977 and Prof. B. M. Stemanov (USSR) received the 1978 Award. Lunn's achievements include research and development of ultra-high-speed systems, image tubes, Kerr cells, and rotating mirror and image dissection systems. He also undertook a special study of photomultipliers at nanosecond speeds.

Two new appointments have been announced by United Production Services, 510 W. 57

St., New York, NY 10019. **Ted Dunn** has been appointed Vice-President of Engineering and **Norman Rosenshein** has been appointed Manager of Systems Planning and Implementation. Dunn was formerly Project Engineer in Camera Design for North American Philips Co., and he had also been a test engineer at Grumman Aircraft for the Apollo program.

Rosenshein was formerly with CBS as Supervisor of Videotape Special Projects and Editing Systems. He was engineer in charge for CBS for videotape installation at both the 1976 Democratic and 1976 Republican National Conventions.

Scholarship Awards

The Scholarship Committee has selected seven students to receive SMPTE scholarships, it was reported by Herbert Farmer, Committee Chairman. The recipients and their schools are: David Scott Cline (RIT), Janet Kofender (RIT), Rose Marie Korte (RIT), John Lauffer (RIT), Ann Marion (MIT), John Pittas (SUNY-Buffalo), and Steven W. Vrba (Univ. of Missouri, Kansas City).

David Cline told the committee that his interest in photographic science originated from having a "diversified photographic experience and a strong scientific aptitude." He plans to devote his career to the improvement of photographic developers and emulsions.

Janet Kofender plans to gain a working knowledge of a variety of imaging systems and the chemistry, microstructure, and analytical instrumentation associated with each in order to evaluate both the objective and subjective qualities of any given system. She told the committee that "the television industry could fuel my interest in electrical imaging systems and possible expansions or innovations by means of the vast computer capabilities."

Rose Marie Korte is currently studying the microstructure of silver halide image formation, spectral sensitization, and experimental design. She is working on the optimizing of a color developer now used for paper processing so that it can also be used for film. She is also studying quality control from a statistical point of view.

John Lauffer said that his interests at present are in the chemical areas of photography such as emulsion making. After graduation (in 1981) he hopes to get a job in the photographic manufacturing field. His long range goal is to become involved in the research and development of higher quality films.

Ann Marion is currently engaged in developing modes of operation for videodisk; computer generated video, with emphasis on home and other small computers; and various means of displays, such as large screen, multiscreen, touch sensitive CRTs, and moving projectors that recall the original motion of the camera. Her fundamental concern, she said, is with issues of representation and presentation.

John Pittas's ambition is to continue as an independent filmmaker and to further his studies of information and control theory. He plans to design, construct, and place in operation a programmable microprocessor based controller for an optical printer which will allow precise sequential control of every frame, so that once an optical effect is ini-

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SPROCKETS

Nowhere, but nowhere, is there a better match-up to maintain theatre release prints intact than with a LaVezi "VKF" sprocket. With its wide tooth profile, rounded edges, and highly polished surfaces, the "VKF" sprocket reduces costly film damage by minimizing abnormal contact between the film and sprocket that can tear into the perforations, scrape, abrade and crease film.

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tialized the controller will assume execution, requiring a minimum of human intervention.

Steven Vrba plans to work toward an MFA degree in technical theater in preparation for teaching theater technology at a university level. He plans to work in professional theater while maintaining occasional work in television and radio.

The Scholarship Program for deserving students was established by the SMPTE in 1965. Students engaged in technical and scientific studies in motion picture and/or television and related fields are eligible.

Deadline for the next application for the scholarship is 1 June 1980. Applications should be mailed to SMPTE Headquarters.

There are certain eligibility requirements, among them: the applicant must be in at least the second year of study at a recognized college, university, or approved technical institute in the U.S. or Canada and he or she must have at least a 3.5 cumulative grade average (B+) or the equivalent. In applying, the student should describe his background and interest in the technical areas of motion pictures, television, photography, or technical production, and he may also present a proposal to develop a suitable project.

In addition to the application, the student should provide transcripts of his or her college records through the last semester, evidence that he or she has registered or been accepted for admission, and a letter from the department head or student affairs office indicating willingness to administer the grant.

Besides the direct benefits to the students who have been granted the scholarships, the SMPTE Scholarship Program indirectly benefits the industry by enabling talented young people who might otherwise be hampered in their careers to continue their education in their chosen fields.

Research Sources in Motion Pictures and Television

From time to time, the *SMPTE Journal* receives requests for historical or technical information from students, historians, engineers, scientists, etc. Simple questions we try to answer immediately, but more complex problems may require more research than we are prepared to do.

Another answer, it seems to us, would be to steer the researcher to a nearby place where there is available for study a virtually complete collection of *SMPTE Journals* (perhaps even including the *Transactions of the SMPTE* between 1916 and 1930). Therefore, by means of this note, we are asking all readers of the *Journal* who know of complete collections of *Journals* in their states and local areas — that are available for research — to notify *Journal* Editor David Howell at SMPTE Headquarters. Please indicate, if possible, how complete the collection is, where exactly the collection is kept, and any special arrangements necessary to do research with it.

When we at Headquarters know of all the collections available in this way, we ought to be able to tell anyone who inquires exactly where geographically is the nearest place to get answers.

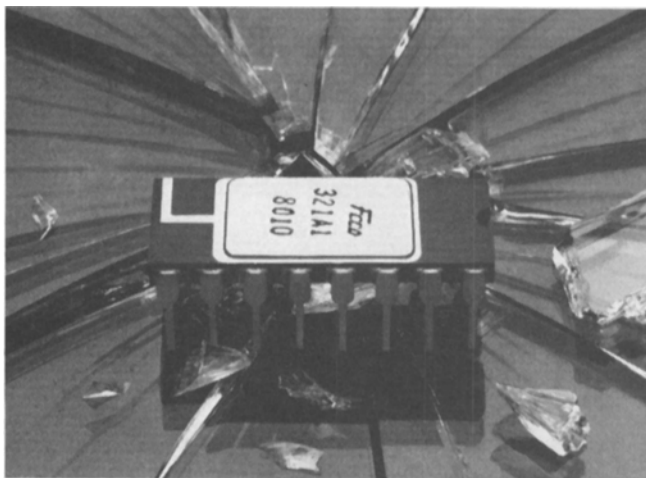
Books, Booklets, Brochures

The Encyclopedia of Chemical Technology (Third Ed., 1979), is available from John Wiley & Sons, 605 Third Ave., New York, NY 10016. The multi-volumed work, though built on the foundation of previous editions, has been largely rewritten and updated, and many new subjects have been added to reflect changes in the technology of chemistry. Among the many contributors to the encyclopedia is SMPTE's Past Vice-President for Photoscience Affairs, Daan Zwick, for the article entitled *Color Photography*.

Photography: What's the Law?, by Robert M. Cavallo and Stuart Kahan, was revised in 1979 to provide information on the 1978 copyright law — Public Law 94-533 — where several dramatic changes permit the "creator" newly found rights to his works. Among the subjects covered in this 155-page cloth-bound book are court decisions related to privacy, publicity-celebrity, releases, losses and damages, book publishing, and ownership rights. The book is available for \$10 from Crown Publishers, Inc., One Park Ave., New York, NY 10016.

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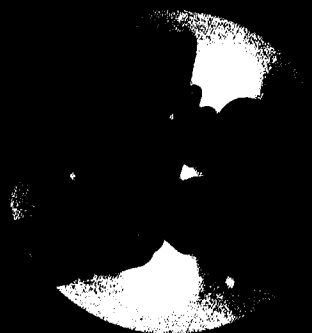
The CCD solution to your video delay problems.

A glass delay line is fine for simple fixed video delay. But you need something better for your more demanding applications. Now you can have it, thanks to our CCD continuously electrically-variable delay lines. They can give you any delay you want, fixed or variable, instantly.

Our solid-state devices provide high performance with very low insertion loss. There's less peripheral circuitry required, and no costly, time-consuming adjustments necessary on your production line.

At Fairchild, we've been furthering CCD technology for the past 10 years. For further information on how we've done it, call or write CCD Imaging, Fairchild Advanced Technology Group, 4001 Miranda Avenue, Palo Alto, California 94304. Telephone: (415) 493-8001. TWX: 910-373-1227.

Our signal processing device shatters glass delay technology forever.



Quietly, you have made the OTARI tape machine a standard for reliability and performance in literally hundreds of studios and thousands of production studios worldwide! The legendary 5050 series were the first compact professional recorders accepted by the industry and remain, dollars for dBs, the best tape recorders made. Whether moving 1/2" or 1/4" tape, these SMPTE adaptable machines are complete with every necessary production feature.

Our ARS Series Reproducers have been accepted by the most prestigious automation manufacturers in the business. These people must have a reliable product before they put their name on it. Our MX7800 1" transport production machine remains the most functional eight track on the market.

The OTARI pre-eminence in engineering is more than fifteen years old and encompasses tape formats from full track to twenty-four track and tape speeds from 3 3/4 to 240 ips. To the broadcaster, OTARI has earned its envied reputation for reliability with technological leadership and 100% pre-shipment check-out.

Behind our product is a further commitment: factory support with a large domestic parts inventory, thorough documentation and communicative personnel. A qualified and dedicated dealer network is the final link in OTARI's comprehensive approach to the broadcaster.

You have made OTARI—*The New Workhorse*. We have made them the most comprehensive line of tape machines in the world.

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As Shown At The NAB Convention—SMPTE's First Video Test Tape.

The 3/4-Inch Video Tape Cassette For Receiver/Monitor Setup

This new video test tape is intended to verify that the video cassette playback system is operating normally, and to supply reference signals useful for adjusting operating controls on the receiver or monitor for its intended use.

SMPTE introduces its new test tape cassette for the subjective evaluation of receiver or monitor setup and for checking out the overall performance of video and audio derived from 3/4-inch Type A magnetic helical scan tape reproducers.



No test instruments are required.

A commentator describes each scene and what it is intended to check.

Each cassette comes in a case and is accompanied by a Wratten 47B blue filter (or equivalent) and an instruction sheet on tape usage.

Made in accordance with SMPTE Recommended Practice RP 96

Here's what this new and unique test cassette contains.

Video

- (a) A recorded seven-step gray scale signal.
- (b) A recorded color bar signal.
- (c) Closeups of female and male models for skin tone evaluation and general definition.
- (d) Selected indoor scenes showing samples of sky, architecture, and human models with outdoor illumination.
- (f) Patterns for Safe Action and Safe Title Areas.
- (g) A crosshatch pattern to check scanning linearity.
- (h) A dot pattern to check picture tube convergence.
- (i) A full red field to check picture tube purity having the same luminance and chrominance as the red bar in a 75 percent color bar signal.

Audio

- (a) Commentary, recorded on audio channel 2, describing the scenes and calling attention to the reference material and its relationship to proper receiver/monitor set-up.
- (b) Orchestral music, recorded on audio channel 1, for evaluation of general audio reproduction.

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**V3-RMS 3/4-inch Video Tape Cassette
For Receiver/Monitor Setup . . . \$70.00**

Act Now. Use this form to order your test tape.

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Please send me _____ SMPTE 3/4-inch Video Tape Cassette(s) for Receiver/Monitor Setup (Code V3-RMS) at \$70.00 each. I enclose my check for \$ _____

Name _____

Company _____

Address _____

City _____ State _____ Zip _____

Telephone Number _____

CMX editing systems are described in an illustrated brochure available upon request from CMX Systems, 3303 Scott Blvd., Santa Clara, CA 95050. Illustrated and described are the color encoded keyboard and display terminal, the central processor, and the intelligent interface programmable for VTRs, ATRs, and switchers.

Continental Resources, Inc., 175 Middlesex Turnpike, Bedford, MA 01730, has published a 1980 electronic instrument rental catalog containing descriptions of over 1000 electronic test instruments available for rent. The 64-page catalog offers full specifications and monthly rent rates for test and measurement equipment, including oscilloscopes, recorders, logic analyzers, microprocessor test sys-

tems, and computer peripherals such as line printers, CRTs, and modems.

High resolution television cameras, for airborne, nuclear reactors, extreme environments, laboratory, and other special purpose applications, are described in a catalog from Edo Western Corp., 2645 S. 300 West, Salt Lake City, UT 84115. The 23-page, illustrated catalog includes video, electrical, mechanical, and environmental specifications.

The Gould OS3600, lightweight, dual trace oscilloscope, designed for lab or field measurements on both advanced digital and conventional electrical/electronic circuits, is the subject of a two-page, illustrated bulletin from Gould, Inc., Instruments Div., 3631

Perkins Ave., Cleveland, OH 44114. The OS3600 features a bandwidth from dc to 100 MHz to 3dB, vertical sensitivity of 5 mV/cm over the full bandwidth (2 mV/cm to over 85 MHz), delayed time base, third channel trigger view, and variable trigger holdoff.

A 25-MHz dual trace oscilloscope, designed for analog and digital uses in laboratory and field service applications, is described in a 2-page illustrated bulletin available upon request from Gould, Inc., Instruments Div., 3631 Perkins Ave., Cleveland, OH 44114. The oscilloscope has a 5-in rectangular CRT operating with a 6-kV accelerating potential. Complete specifications are contained in the bulletin, No. 449-12.

Film Cataloging, prepared by the Cataloging Commission, International Federation of Film Archives, is available from Burt Franklin & Co., Inc., 235 E. 44th St., New York, NY 10017, at a price of \$17.95. The manual has been designed as a comprehensive, practical guide to the theory and practice of film cataloging. The guide presents a variety of alternative methods based on the experiences, methods, practices, and policies of a wide diversity of film archives and preservation organizations.

The Video Yearbook 1980, edited by Angus Robertson, is available from Blandford Press Ltd., Link House, West St., Poole, Dorset, BH15 1LL England. The 616-page book describes television systems and services from television aeriels to slow motion videotape recorders. Other listings include journals, production houses, underwater television, special effects, telecine, etc. Also included are subject, company, and address indexes. The price of the *Yearbook* is £15.

TV Acting, a manual for camera performance, by J. Hindman, L. Kirkman, and E. Monk, is available from Hastings House Publishers, Inc., 10 E. 40 St., New York, NY 10016, at a price of \$15.50 (cloth) or \$7.95 (paperback). The book is divided into three parts: The Television Medium from the Actor's Point of View, Preparing the Performer and the Performance for TV, and Working Production — The Performer in the Process. Individual chapters contain treatments on subjects such as Editing and the Actor; The TV Studio; Layout and Equipment; Shooting; Multi-Camera, Single-Camera, Studio and Location; and Make-up and Costume.

The Cohu Model 1550B telecine system is described in an eight-page brochure available from Cohu, Inc., Electronics Div., Box 623, San Diego, CA 92112. Model 1550B is a professional quality broadcast color film camera featuring Cohu's Model 8500 color encoder with image enhancer, automatic balance, automatic differential gamma balance, and an optional color comp variable masking system. Information on Model 8500 can be obtained in Cohu data sheet No. 6-705.

Voice frequency amplifiers are described in a four-page brochure available from ITI Electronics, Inc., P.O. Box 260, 369 Lexington Ave., Clifton, NJ 07011. Ten different kinds of amplifiers, their applications, characteristics, and equivalencies with other brands are discussed.

Case History #437

Electronic News Gathering is one of the toughest environments a microphone will ever encounter. Every mike we've seen has compromised the demand for low handling noise, fine audio quality and virtual indestructibility.

Credit the NBC Electronic Journalism Department/Operations and Engineering in New York for putting the Electro-Voice DO56 shock-mounted omni in the field. Although originally designed as an on-camera entertainment and MC's microphone, NBC found the DO56 to be the microphone that provides an audio signal commensurate with video in real-life crisis situations. In these situations audio often takes a back seat to video,

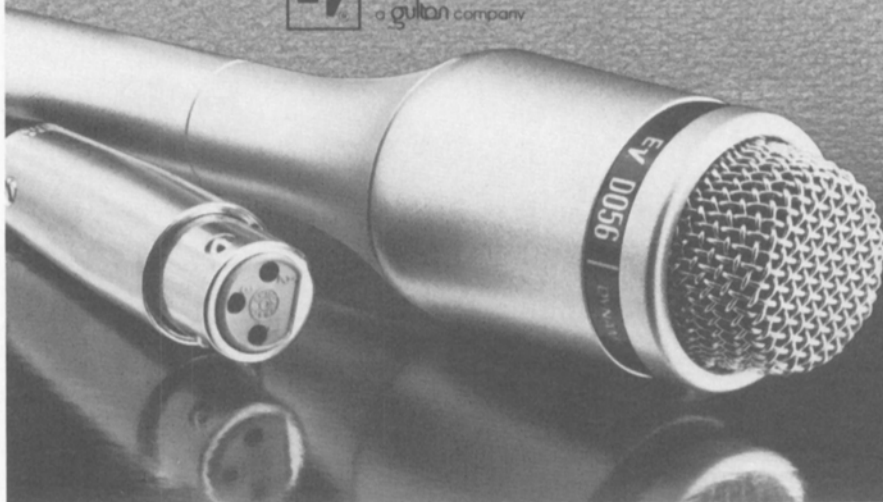
Electro-Voice DO56 Shock-Mounted Omnidirectional Microphone

resulting in a final product that doesn't accurately reflect the broadcaster's professional standards. NBC discovered that the DO56 takes the pushes, the shoves, the rubs and finger taps in stride. And when handling *really* gets rough, the DO56's unique internal shock mount virtually eliminates the bell-like clang transmitted by other shock-mounted mikes.

Congratulations to the NBC Electronic Journalism Department in New York. You found the solution — the DO56.

For an in-depth description of this and other case histories, get on the Electro-Voice "Mike Facts" mailing list. Write on your letterhead to Mike Facts, c/o Electro-Voice, 600 Cecil Street, Buchanan, MI 49107.

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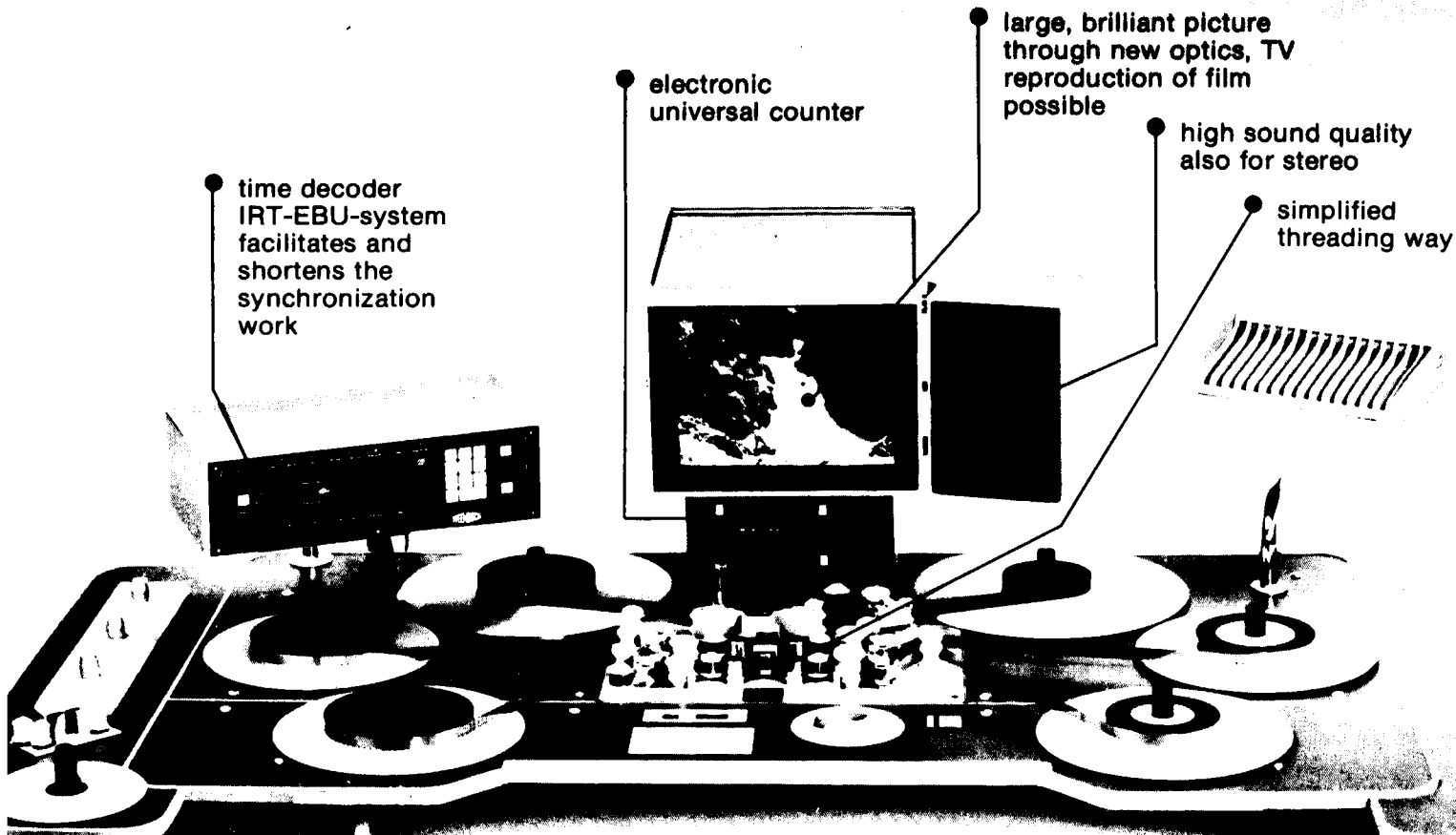
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A catalog of video production equipment, detailing film and videotape editing, dubbing, and storage, is available from the Winsted Corp., 8127 Pleasant Ave. S., Minneapolis, MN 55420. The 24-page catalog includes the "Matchmakers" line of modular-design equipment emphasizing safety and strength along with portability and modern styling.

The TK-76C portable color video camera, a continuation of RCA's series of ENG/EFP cameras, is described in a brochure available from RCA Broadcast Systems, Bldg. 2-2A, Camden, NJ 08102. Among the improvements in the TK-76C are comet tail suppression, contrast compression, high sensitivity/low noise operation, and reduced weight.

Digital data I/O ports available with Wuantex Digital Video Processors are described and illustrated with diagrams in Technical Note 112 available upon request from Quantex Corp., 252 N. Wolfe Rd., Sunnyvale, CA 94086. Various ways of transferring image data to and from the digital video processors are described in detail.

A catalog describing image analyzing and digitizing systems, is available from L-W International, 6416 Variel Ave., Woodland Hills, CA 91367. Included in the catalog are the 100C digitizing systems in standard and custom models, with specifications and options.

Obituaries



Billy F. Moye

Billy F. Moye, born 19 August 1931, in Oak City, N. Carolina, died 4 February 1980 in Los Angeles.

He joined the Air Force in December 1951 and served at Scott Field, Ill., as a projectionist and at Elgin Air Force Base, Fla., in the motion picture laboratory where he evaluated new equipment for the Air Force. After his discharge from the service in February 1955, he worked for RCA's Missile Test Project, under contract to the Air Force at Patrick Air Force Base, Fla. While at PAFB, he assisted the laboratory manager in the areas of motion picture printer evaluation and printer standards. In September 1960, he transferred to RCA's Redstone Pictorial Project, Huntsville, Ala., as leader of the motion picture printing department. He was eventually promoted to motion picture laboratory manager in charge of printing, processing, timing, inspection, and maintenance. He left RCA to become General Manager of Cine-Craft, Inc., in Burbank, Calif., where he served since January 1971. Billy, as all his friends knew him, was active in community affairs serving

as Committee Chairman and Scout Master in Huntsville and worked with the Air Explorer Scouts in Los Angeles. He enjoyed boating and was a member of the Power Squadron from 1965 to 1975. He was an avid bowler and was a member of the City Champion Team in Huntsville in 1965. He was active in SMPTE since 1960, serving on the Board of Managers in the Huntsville Section. He became a member of ACVL in July 1975.

Billy is survived by his wife, four sons, three brothers and his father. — Lynn Bigbee

John Aulsbrook Maurer

John Aulsbrook Maurer, a Life Member of the SMPTE, died 8 November 1979 at the age of 73.

He was graduated from the University of Michigan in 1930 with the degree of Bachelor of Science and in 1943 he took a government training course in Spectroscopic Analysis at the University of Chicago. During World War II he did work of a highly secret nature involving special photographic wedges for naval equipment.

A specialist in medical photography, he became Chief of the Medical Photographic Dept. of Loyola University in 1966, a post he held until his retirement in 1972. Earlier he had been affiliated with the Ansco Div. of General Aniline & Film Co. He had been made a Fellow of the Biological Photographic Association in 1946, one of the first group to be so honored, and had authored several papers published in the *Journal of the Biological Photographic Association* between 1930 and 1946.

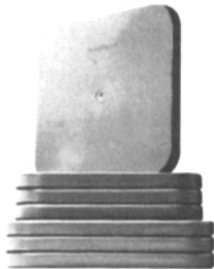
Maurer joined the SMPTE in 1946 and was active in the affairs of the (then) Midwest Section, contributing especially to program arrangement for the section meetings.

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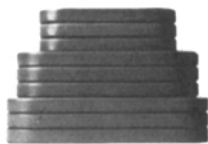
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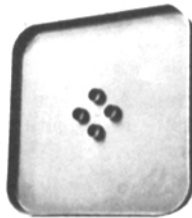
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