

The 121st Conference and Equipment Exhibit

21-29 October 1979, Century Plaza Hotel, Los Angeles

Never before has there been an SMPTE Conference like the one that's coming up this October in Los Angeles. This is going to be SMPTE's largest conference and certainly one of its most interesting.

The papers program — which runs five days, Monday through Friday — is one of the most imaginative in recent years. The subjects that are to be discussed have been selected to meet the needs of those in today's motion-picture and television industries. The program is one that anyone in the film or video industries will not want to miss.

The SMPTE has broken its own record for its exhibit. This is going to be the largest equipment exhibit the SMPTE has ever had. There will be more than 300 booths of professional film and video equipment. The largest previous exhibit had only 220 booths, making this SMPTE's biggest by a wide margin.

The SMPTE Conference has been known as the meeting place of the motion-picture and television industries. This year's conference will be no exception. In addition to giving you the unique opportunity of meeting informally with others in your field in the pleasant surroundings of the Century Plaza Hotel, the SMPTE has several important social events planned. Among these are a Sunday evening event sponsored by Eastman Kodak Co., the Tuesday Awards Luncheon (formerly the Monday Get-Together Luncheon), the Thursday evening Banquet (formerly the Wednesday evening Banquet), the daily coffee club, and a full week's activities for spouses.

In all, this conference promises to be highly rewarding for all who attend. The Program Chairman is **John Zeman**, Eastman Kodak Co. The local Arrangements Co-Chairmen are **Gary Borton**, Eastman Kodak Co., and **A. Craig Curtis**, NBC.

The SMPTE Conference is under the jurisdiction of Conference Vice-President **Harry Teitelbaum**, Hollywood Film Co. The program part of the Conference is under the supervision of Editorial Vice-President **K. Blair Benson**, Video Corp. of America.

Awards Luncheon

SMPTE's annual conference luncheon has undergone three major changes. The first is that its name has been changed from Get-Together Luncheon to the Awards Luncheon. The second change is that the luncheon has been moved from Monday to Tuesday. The third change is that, because of the expansion of the exhibits into the Los Angeles Ballroom, the luncheon will be held at the nearby Beverly Hilton Hotel. Bus service between the hotels will be provided before and after the luncheon. The luncheon will feature the presentation of SMPTE awards which recognize outstanding achievements in motion pictures and television and service to the SMPTE. All weekly paid registrants (including spouses) will receive a free ticket to the luncheon, compliments of Agfa-Gevaert.

SMPTE Banquet

This year the SMPTE Cocktail Party, Banquet and Dance will be held on Thursday evening, 25 Oct. in the Los Angeles Ballroom of the Century Plaza Hotel. The evening promises to be an exciting one. Cocktails, dinner, wine, and great entertainment will make this year's banquet one that won't soon be forgotten. Companies wishing to reserve tables at the Banquet should get in touch with **Burton Stone**, DeLuxe Laboratories, 1546 N. Argyle, Hollywood, CA 90028. Tables, which are in limited supply, will be reserved on a first-come, first-served basis. Cocktails for the Banquet will be sponsored by MGM Laboratories, the music and entertainment will be sponsored by Hazeltine Corp., and the wine for the Banquet will be sponsored by Technicolor Corp.

Ladies Program

Spouses attending the 121st Conference are in for an exciting week of activities according to Chairlady **Mrs. Judy Stone**. The following is a tentative schedule for the week, which is subject to change.

However, a complete and final list of activities will be printed in the Conference Program. Sunday, 21 Oct.: Ladies Lounge open for signing-up for activities; Monday, 22 Oct.: A day in Beverly Hills, including lunch; Tuesday, 23 Oct.: A morning lecture on nutrition and after the Awards Luncheon, a visit to the Los Angeles Museum or Page Museum; Wednesday, 24 Oct.: A day at Disneyland; Thursday, 25 Oct.: Alice Reichard will give her lecture on Astrology in the morning and the afternoon will have a showing of a recent movie, plus free time; Friday, 26 Oct.: Antique Guild and the Variety Arts Center for Lunch.

Committee Meetings

SMPTE Engineering Committees will meet during the 121st Conference. Committee members will be notified by letter of the dates and times of their meetings. Editorial activities during the Conference include a joint meeting of the Publications Advisory Committee and the Board of Editors.

Coffee Club

The Coffee Club for the 121st Conference will be open Monday through Friday and will be sponsored by Fuji Photo Film U.S.A.

Association of Cinema and Video Laboratories

The ACVL will meet at the Century Plaza Hotel on Friday and Saturday, 19 Oct. and 20 Oct. On Friday there will be a Board of Directors meeting followed by a dinner for laboratory principals. On Saturday there will be a members' meeting all day beginning the Laboratory Members' meeting at 8:30 a.m. and a symposium of papers on Laboratory Techniques, with a break at noon for lunch. SMPTE members are invited to attend the Symposium.

Equipment Exhibit

This will be SMPTE's largest exhibit in its history. More than 135 companies have signed up for exhibit space (a record) with more than 300 booths having been taken (another record). The exhibit will feature a full range of professional motion-picture and television equipment. See the exhibit directory following the program.

Sponsored Social Events

Eastman Kodak Co. will sponsor an evening of food and entertainment on Sunday, 21 October. Cinema Products Corp. will have an open house at their plant on Tuesday evening, 23 October. Agfa-Gevaert will sponsor the Awards Luncheon for weekly conference registrants (including spouses). Magnasync/Moviola will sponsor the refreshments of the Fellows' Luncheon on Wednesday, 24 October. MGM Laboratories will sponsor the refreshments before the Banquet. Hazeltine will sponsor the Banquet music and entertainment, and Technicolor Inc. will sponsor the Banquet wine.

Transportation to Hotel

The Century Plaza Hotel is approximately 10 miles from the airport. The hotel can be reached from the airport by either taxi or limousine. The cost of a taxi from the airport is approximately \$15.00. An airport limousine is \$3.50 per person. Limousine service leaving from the airport to the hotel is available from 6:00 a.m. through 9:00 p.m.

Reduced Rate Advance Registration

Advance registration is available at reduced rates. To avoid waiting in line to register, and to save money, register in advance by mail. An advance registration form has been sent to all members. It should be returned with payment to SMPTE Registration.

862 Scarsdale Ave., Scarsdale, NY 10583. Badges and tickets will be waiting for registrants at the conference registration desk. To receive the advance registration rate, your payment must be received by 21 Sept.

Registration Rates

	Before 21 Sept.	After 21 Sept.
Member Weekly	\$ 95.00	\$110.00
Nonmember Weekly	110.00	125.00
Spouses Weekly	30.00	35.00
Member Daily	35.00	40.00
Nonmember Daily	40.00	45.00
Student Nonmember	5.00	5.00
Awards Luncheon	18.00	18.00
Banquet	30.00	30.00

Please note: All paid weekly registrants (including spouses) will receive a free ticket to the Tuesday Awards Luncheon, compliments of Agfa-Gevaert. If you register for the week, do not send payment for the luncheon.

Hotel and Motel Reservations

Reservations must be made on the hotel reservation form that was sent to all members. Rooms at the Century Plaza Hotel are in limited supply. Arrangements have been made at nearby hotels and motels to accommodate those whose forms arrive too late to obtain rooms at the Century Plaza Hotel, or those who prefer not to stay at the Century Plaza. It is strongly recommended that you send in your hotel reservation form early (with your registration form). Room reservations must be received by 21 Sept. Reservations received after that date will be subject to availability and the special rates will no longer be in effect. Rooms at the special conference rates are available to Conference registrants only. The following are hotels with rooms available for SMPTE registrants.

Century Plaza Hotel
Avenue of the Stars
Los Angeles, CA 90067
Phone: (213) 277-2000
Rates:
\$56-68 (Single)
71-83 (Double/Twin)
160-250 (Suites)

Ramada Inn
1150 S. Beverly Dr.
Los Angeles, CA 90035
Phone: (213) 553-6561
Rates:
\$50 (Single)
70 (Double/Twin)

Holiday Inn-West Los Angeles
10740 Wilshire Blvd.
Los Angeles, CA 90024
Phone: (213) 475-8711
Rates:
\$42 (Single)
48 (Double/Twin)

Century Wilshire
10776 Wilshire Blvd.
Los Angeles, CA 90024
Phone: (213) 474-4506
Rates:
\$40-65 (All Suites)

Beverly Comstock
10300 Wilshire Blvd.
West Los Angeles, CA
Phone: (213) 275-5575
Rates:
\$45-55 (Single)
65-75 (Double/Twin)

Westwood Marquis
930 Hilgard Ave.
Los Angeles, CA 90024
Phone: (213) 475-8765
Rates:
\$85-110 (1 bedroom suite)
130-260 (2 bedroom suite)

Hotel Cavalier
10724 Wilshire Blvd.
Los Angeles, CA 90024
Phone: (213) 474-4561
Rates:
\$38-60 (Single)
44-66 (Double/Twin)

Beverly Terrace
469 N. Doheny Dr.
Beverly Hills, CA 90210
Phone: (213) 274-8141
Rates:
\$26-36 (Single)
30-40 (Double/Twin)

Del Capri Hotel
10587 Wilshire Blvd.
West Los Angeles, CA
Phone: (213) 474-3511
Rates:
\$38 (Single)
45 (Double/Twin)

LeParc Hotel
733 N. West Knoll
West Hollywood, CA 90069
Phone: (213) 855-8888
Rates:
\$55 (Single)
65 (Double/Twin)

Los Angeles West Travel Lodge
10740 Santa Monica Blvd.
West Los Angeles, CA
Phone: (213) 474-4576
Rates:
\$28 (Single)
30-34 (Double/Twin)

Royal Westwood Motel
2352 Westwood Blvd.
West Los Angeles, CA
Phone: (213) 475-4551
Rates:
\$22 (Single)
26 (Double/Twin)

Beverly Crest
125 S. Spaulding Drive
Beverly Hills, CA
Phone: (213) 274-6801
Rates:
\$38-44 (Single)
46-52 (Double/Twin)

All rates subject to tax.

PMPEA Symposium

"The Visual Affect of Special Effects" symposium hosted by one of America's finest cinematographers and accomplished directors, William A. Fraker, ASC, will be presented Monday evening, 22 Oct. by the Professional Motion Picture Equipment Association in conjunction with the 121st SMPTE Conference. There will be two evening presentations — one at 7:00 p.m. and one at 9:00 p.m. The presentations will be held at the Academy of Motion Picture Arts and Sciences Samuel Goldwyn Theater on Wilshire Blvd. in Beverly Hills.

Fraker is President of the American Society of Cinematographers and an Academy Award nominee in 1977 for the Best Achievement in Cinematography — *Looking for Mr. Goodbar*. He will discuss *Here Comes Mr. Jordan* (a 1941 production) and the remake of that film, *Heaven Can Wait*. Fraker's cinematics on this picture were also an Academy Award nominee for Best Photography in 1978.

Tickets will be on sale prior to the show at the Century Plaza Hotel during the SMPTE Sunday registration and Monday exhibit hours. Due to limited seating and anticipated sellouts, it is recommended that tickets be purchased in advance by mail. Tickets are \$6.00 per person. When writing, indicate preferred show times — 7:00 p.m. or 9:00 p.m. To insure confirmation of tickets, a stamped self-addressed return envelope is requested. Mail requests and inquiries to PMPEA National Headquarters, University Tower, Suite 806, 6440 N. Central Expressway, Dallas, TX 75206, or call (214) 696-1448.

Advance Program

This Program contains the most accurate and complete information available at the time of publication, listing papers within each individual session. Although the sessions as described here are firm, some papers may be omitted or rearranged before the Conference. Inquiries about specific papers or sessions should be addressed to Society Headquarters, Att: 121st Conference, Lynne Robinson, Conference Programs Secretary, (914) 472-6606; or to Program Chairman John Zeman, Eastman Kodak Co., 6706 Santa Monica Blvd., Hollywood, CA 90038, (213) 464-6131. The Final Program listing paper titles, authors, and times of presentation will be available ten days before the Conference from Society Headquarters. The Synopses Booklet will be available at the Conference.

SUNDAY, 21 October

REGISTRATION (from 12:00 noon)

ENTERTAINMENT (evening) — Kodak Party

MONDAY MORNING, 22 October

LABORATORY PRACTICES I

(Concurrent sessions)

A Stretch of Time

Arnold Schieman, *National Film Board of Canada, Montreal, Canada*, and Samuel H. Bunchez, *Vacuamate Corp., New York, N.Y.*

Monobath Processed Color Composite Print

H. R. Miller, *Philip A. Hunt Chemical Corp., Palisades Park, N.J.*

New Fujicolor Reversal Films

Takashi Horiguchi, *Fuji Photo Film Co., Ltd., Tokyo, Japan*

A New Gevacolor Negative Type 682 Film

A. Vervoort and H. Stappaerts, *Agfa-Gevaert, Mortsel, Belgium*

TELEVISION PRODUCTION

(Concurrent day-long sessions)

Microprocessor Controlled Cameras and Their Operation

Steve deSatnick, *KCET-Channel 28, Los Angeles, Calif.*

Continuously Variable Speed Forward-Reverse 16mm/Super-8

Flying Spot Scanner Operational PAL-NTSC-SECAM, 50-60 Cycle

Andrew Armstrong, Alan Groves, and Richard Whittington, *Transcan Video Ltd., London, England*

A Newly Developed 30 Millimeter Pickup Tube for Cameras in

Teleproduction and Other Demanding Non-Broadcast Uses

Al Month, *RCA Corp., Lancaster, Penn.*

High Quality Montage Picture by Soft Chromakey

Jun-Ichiro Nakamura, *Japan Broadcasting Corp., Tokyo, Japan*

Matching of the TK-47 (A High Performance Color TV Camera)

to a Unique Pickup Tube Design

S. L. Bendell and C. A. Johnson, *RCA Corp., Camden, N.J.*

A New Method of Specifying the Resolving Power of Television Camera Tubes

L. D. Miller, *RCA Corp., Lancaster, Penn.*

The Usage of One-Inch Video Tape Format in TV Production in Austria

Norbert Wassiczek, *Austrian Broadcasting Corp., Vienna, Austria*

SMARTS System Progress Report

Lawrence T. Driscoll, *RCA American Communications, Inc., Piscataway, N.J.*

Automatic Set-up System for a Broadcast Color Camera

Brian Astle, Robert A. Dischert, Robert E. Flory, and Michael Lurie, *RCA Laboratories, Princeton, N.J.*

Layout and Performance of a Modern CCD-Telecine

H. Zahn and D. Poetsch, *Robert Bosch GmbH, Fernseh Group, Darmstadt, W. Germany*

MONDAY AFTERNOON

LABORATORY PRACTICES II:

Ecology and Effluent Management

(Concurrent sessions)

Recycling Photographic Wash Waters

David Degenkolb, *Photo-Chem Systems and Engineering Inc., Granada Hills, Calif.*

The Application of Reverse Osmosis to Recover Photographic Wastes

Donald C. Brandt, *E. I. Du Pont de Nemours & Co., Chatsworth, Calif.*

Economics of a Zero Discharge Waste Treatment System

James J. Nowack, *PCA International, Inc., Matthews, N. Car.*

Pollution Control Through Regeneration and Reuse

Louis G. Daignault, *PCA International, Inc., Matthews, N. Car.*

Water Reuse in Los Angeles and Orange Counties

Frank Grant and Wiley Horne, *Montgomery Engineers/OLAC Water Reuse Study, Pasadena, Calif.*

Overview of World-Wide Effluent Regulations

L. Allen and S. E. Jensen, *Eastman Kodak Co., Rochester, N.Y.*

Recovery and Reuse of Color Developing Agents

C. C. Bard, *Eastman Kodak Co., Rochester, N.Y.*

PANEL DISCUSSION:

Effluent Management Today and Tomorrow

The panel will be comprised of all the session's authors.

Register Early

for the SMPTE Conference.

The deadline for reduced-rate

registration is 21 September.

TUESDAY MORNING, 23 October

LABORATORY PRACTICES III:

New Equipment and Processes

(Concurrent sessions)

Full Immersion Contact Printers

Chuck Zichterman, *Peterson Enterprises, Inc.*,
Glenview, Ill.

OPAL: A Computer Language for the Control of Optical Printers

Howard S. Moscovitz, *JK Camera Engineering Inc.*,
Oakland, Calif.

An Electronically Controlled Additive Lamp House for Optical Printers

Howard S. Moscovitz, *JK Camera Engineering Inc.*,
Oakland, Calif.

A New On-Line Viewer for High Speed Motion-Picture Processing

Robert L. Woltz, *Robert Woltz Associates*,
Newport Beach, Calif.

A Multiformat Polygon Projector for Film Inspection

Howard W. Hoadley, *Lab Methods Corporation*,
Van Nuys, Calif.

A High Speed, Auto Demand Film Loop Cabinet

Joseph C. Wary, *Lab Methods Corporation*,
Van Nuys, Calif.

Continuous Printing by Means of an Automatic Loop System

Ralph D. Whitmore, Jr., *Hollywood Film Co.*,
Los Angeles, Calif.

HFC Total Immersion Printer

Ralph D. Whitmore, Jr., *Hollywood Film Co.*,
Los Angeles, Calif.

A Printer-Film Transport System

John M. Ehrenberg, *Bell and Howell Professional Equipment Div.*, *Chicago, Ill.*

Wet Loop Printing of Release Prints

W. D. Carter, *Carter Equipment Co., Inc.*,
Lawndale, Calif.

TELEVISION POST PRODUCTION

(Concurrent sessions)

Post Production in Televisa Mexico

Eugenio Ruesga and Cenobio Moriel, *Televisa, Mexico*

Post Production Switching with a Digitally Controlled Switcher

Bruce Rayner, *Grass Valley Group, Grass Valley, Calif.*

A Flexible Audio/Video Tape Synchronizing System for Television Production Applications

Steven Chan, *Adams/Smith Corp, Boxboro, Mass.*

An Adaptive Digital Noise Reducer for Professional Television Applications

Richard Ellis, *Pye TVT Ltd., Cambridge, England*

Advance Computer Editing Techniques

C. Liu, *Datatron, Inc., Irvine, Calif.*

Single Camera Editing Systems

J. A. Flaherty, *CBS Television Network, New York, N.Y.*

Operating Experience with the "B" Format for Electronic Field Production and Post Production

Bill Hogan, *Ruxton, Burbank, Calif.*

Film-to-Tape Transfer: Thoughts of the Solution of the Problems by Modern Means

D. Geise, *Robert Bosch GmbH, Fernseh Group, Darmstadt, W. Germany*

Image Quality Transfer Through Film and Television

Karel Staes and Lucien Hayen, *Agfa-Gevaert, Mortsel, Belgium*

AWARDS LUNCHEON (12:00) — BEVERLY HILTON HOTEL

WEDNESDAY MORNING, 24 October

INTERNATIONAL PROGRESS REPORTS

This session will feature presentations from England, Germany, Japan, France and the People's Republic of China, as well as the United States on current developments in the motion-picture and television industry.

PANEL: This group will be comprised of officers and members of the Society who recently visited the People's Republic of China by invitation.

FELLOWS' LUNCHEON (12:00 noon)

WEDNESDAY AFTERNOON

PRODUCTION AND SPECIAL EFFECTS

(Concurrent sessions)

A Unique Electronic Ballast for Straight Forward Use of HMI Daylight Lamps 575 Watts to 4000 Watts Without Compromise

Denys Klein, *Cremer and C.S.E.E., Paris, France*

HMI Lighting — A Realistic Evaluation of the Pros and Cons

Milton Forman, *Consultant, Los Angeles, Calif.*

Considerations for Motion-Picture Film Coverage and Film Production at the XIII Olympics Winter Games, Lake Placid, N.Y.

J. B. DeWitt, *Eastman Kodak Co., Rochester, N.Y.*

An In-Camera Pre-Flash System: An Update

Vernon L. Kipping, *Consultant, San Francisco, Calif.*

The Evolution of Motion-Picture Equipment

Leonard Chapman, *Leonard Studio Equipment, No. Hollywood, Calif.*

UltiMatte System

Petro Vlahos, *Vlahos-Gottschalk Research Corp., Reseda, Calif.*

New Developments in the Todd-AO Anamorphic Lens System

Edmund M. DiGiulio, *Cinema Products Corp., Los Angeles, Calif.*

TELEVISION SOUND TECHNOLOGY

(Concurrent sessions)

Stereophonic Sound and Multilingual Television Broadcast Services by Multiplex Method

William S. Halstead, *Consultant, Woodland Hills, Calif.*
and Richard W. Burden, *Richard W. Burden Associates, Canoga Park, Calif.*

Vidi-Mag™: A New System for Television Audio Post Production

C. Robert Fine, *Magna-Tech Electronic Co., Inc., New York, N.Y.*

The Peak Program Meter and the VU Meter in Broadcasting

Hans Schmid, *ABC, New York, N.Y.*

Progress Report of the Multi-Channel Sound Sub-Committee of the Broadcast Television System Committee

Thomas Keller, Jr., *WGBH-TV, Educational Foundation, Boston, Mass.*

A Report on the Effects and Measurements of Videotape Mechanical Modulation of the Audio Signal

Koichiro Hori, *WGBH Educational Foundation, Boston, Mass.*

Automated Mixing

To be announced

THURSDAY MORNING, 25 October

MOTION-PICTURE SOUND TECHNOLOGY

(Concurrent sessions)

- A Closed Loop MMF Maximizing Reproduce System
Ralph S. Norton, *Norton Associates, Inc., Copiague, N.Y.*
- The Kintek Mono/Stereo Photographic Soundtrack
John Mosely, Keith O. Johnson, and David E. Blackmer,
Kintek, Inc., Hollywood, Calif.
- Quality Control Instrument for Optical Sound Tracks
Terry Beard, *Nuoptix, Inc., Westlake Village, Calif.* and
Bruce Keller, *Technicolor, Inc., No. Hollywood, Calif.*
- The Academy Curve from a Psycho-Acoustic Perspective
Charles Naim, *Communications Technology Inc.,
Detroit, Mich.*
- The Relationship of Film Parameters to Photographic Sound
Track Quality
R. E. Uhlig, *Eastman Kodak Co., Rochester, N.Y.*
- The New Sound Negative Film
R. E. Uhlig, J. C. Bolthouse, J. E. Erwin, *Eastman Kodak
Co., Rochester, N.Y.*
- A Proposal for a Simplified Cross-Modulation Test Procedure
Karel Staes and Walter Markie, *Agfa-Gevaert,
Mortsel, Belgium.*

CONSUMER VIDEO TECHNOLOGY

(Concurrent sessions)

- A Survey of Stereoscopic Home Television Systems
James F. Butterfield, *Stereo-Video Laboratories,
No. Hollywood, Calif.*
- Teletext and Viewdata
Joseph Roizen, *Telegen, Palo Alto, Calif.*
- Technology and Copyright Protection
S. Mittleman, *MCA, Hollywood, Calif.*
- QUBE Television
To be announced
- The Future of High Definition Television: Report of the SMPTE
Study Group on High Definition Television
Donald G. Fink, *Chairman of the Study Group,
Somers, N.Y.*
- PANEL DISCUSSION:
Technical Aspects of Consumer Television

THURSDAY AFTERNOON

SCIENTIFIC/INDUSTRIAL FILM AND VIDEO SYSTEMS

(Concurrent sessions)

- The Technology Present and Applications Future of the
Video Disc
C. Robert Paulson, *AVP Communication,
Westborough, Mass.*
- Dynamic Applications of Unique Camera Systems
Hallock F. Swift, *International Applied Physics, Inc.*
- Rotating Prism Cameras
Robert D. Shoberg, *Photonic Systems Inc.,
Sunnyvale, Calif.*
- International Aspects of Photographic Instrumentation
Carlos H. Elmer, *L-W International, Scottsdale, Ariz.*
- Evaluation of Photographic Data Management
David H. Stern, *L-W International, Woodland Hills, Calif.*

Report on Video Systems

To be announced

Report on Light Sources

Harold E. Edgerton, *Massachusetts Institute of Technology,
Cambridge, Mass.*

MICROPROCESSOR SYSTEMS CONTROL

(Concurrent sessions)

- Getting Aboard the Microprocessor Bandwagon
Fred J. Hodge, William N. Speck, Charles Germon, and
Stephen Kent, *3M Co., Mincom Div., Camarillo, Calif.*
- Microprocessor Control in Audio Visual Projection Equipment
Hans F. Napfel and Lee H. Schank, *Fairchild Industrial
Products, Commack, N.Y.*
- The Promise and Reality of the Microcomputer
Carl A. Lindke, *The Grass Valley Group, Inc.,
Grass Valley, Calif.*
- Application of Microprocessors in Automated Film Re-Recording
Consoles
J. Phil Mobley, *Quad-Eight Electronics,
No. Hollywood, Calif.*
- Maximized Microcomputer for Television
Ray M. Unrath, *System Concepts, Inc.,
Salt Lake City, Utah*
- Innovative Self-Tailoring Techniques with Microprocessor
Controlled Editing Systems
Gene Simon, *CMX, Santa Clara, Calif.*
- Microprocessors in Special Effects Motion Control
Bud Elam, *Universal Studios, Hartland, Los Angeles, Calif.*
- Microprocessor Based Decoder that Provides On-Screen Captions
for the Deaf Television Viewer
Gordon Smith, *Rockwell Micro-Electronics,
Anaheim, Calif.*

THURSDAY EVENING

Cocktail Party, Banquet and Dance

Century Plaza Hotel

FRIDAY MORNING, 26 October

INTERNATIONAL IMAGE DISTRIBUTION

(Concurrent sessions)

- Reaching the Global Village
Thomas W. Hope, *Hope Reports, Inc., Rochester, N.Y.*
- Olympics in Moscow, Distribution in SECAM
Craig Curtis, *NBC-TV, Hollywood, Calif.*
- Tutorial on the NTSC-SECAM and PAL Systems
Arch Luther, *RCA, Camden, N.J.*

ADVANCED TRANSMISSION TECHNIQUES

(Concurrent sessions)

- Advances in ENG/EJ Systems Concepts
E. J. Forbes, *Microwave Associates Communications Co.,
Burlington, Mass.*
- DATE System for Audio Transmission
Digital Communications Corp., Gaithersburg, Md.
- Digital Television Terminal for Multiplex Television Signals
H. Shigehara *NEC, Tokyo, Japan*
- Fiber Optics Interconnection for a Minicam
Gary Miller, *Fiber Optics Co., Wallingford, Conn.*
- PBS Captioning for the Deaf
John Ball, *PBS, Washington, D.C.*

Exhibit Directory

AATON Cameras, Inc.

1697 Broadway, New York, NY 10019

Exhibiting: AATON 7 LTR professional film camera features designed-in video viewing, ergonomic design for easy hand holding, low sound level (down to 23 dB, a special option), clip on battery, 400 ft clip-on magazine, exposuremeter, easy 10-minute conversion to super-16; weight 6 kilos. AATON will also be featuring a high quality handheld video camera the size of a flashlight, miniature monitor, and video time generator inserter.

Personnel: Alima Morse, Guy Genin.

ADDA Corp.

1671 Dell Ave., Campbell, CA 95008

Exhibiting: Electronic still processor (ESP-system), VW-1 frame synchronizer (with/TBC and freeze field/frame capabilities).

Personnel: D. Tuttle, S. Holmes, D. Deakins, J. Blount, J. Hammer, J. Hanf, T. McGowan, M. Tallent, D. Main, R. Harrison.

Agfa-Gevaert, Inc.

275 North St., Teterboro, NJ 07608

Exhibiting: Agfa-Gevaert will display their pev 500 2" quadruplex videotape along with pev 247 3/4-in bulk U-Matic tape. Also demonstrated will be pem 468 studio mastering tape in 1/4, 1/2, 1, and 2-in configurations as well as MF5PE magnetic film in 16 and 35mm configurations.

Personnel: Maria Curry, Dave Rubenstein.

The Allen Products Co.

180 Wampus Lane, Milford, CT 06460

Exhibiting: A RVNP 77 FPM processor will be shown along with a Rotex 7309 silver recovery unit. This processor will be the same type that will be used by the Lake Placid Olympic Committee.

Personnel: Jeff Must, Doug Small, Ron Bailer, Bob Stiles.

Amperex Electronic Corp.

230 Duffy Ave., Hicksville, NY 11802

Exhibiting: Camera tubes and literature.

Personnel: Stan Lovitz, Ted Marchner.

Ampex Corp.

401 Broadway, Redwood City, CA 94063

Exhibiting: Production/post production systems, audio and video tape recorders, related editing systems, broadcast television cameras, and magnetic tape.

Personnel: D. V. Kleffman, R. Ide, L. Cochran, C. Anderson, P. Vartanian, J. Diermann, C. Kennedy, M. Sanders, A. Slater, F. Nault, L. Hase, P. Hansil, T. Nielson, G. Brill, W. Carpenter, W. Justus, G. Rose, B. Bohunicky, D. Carlsen, J. Leveck, M. Wachtel, R. Williams.

Arriflex Corp.

One Westchester Plaza, Elmsford, NY 10523

Exhibiting: The complete line of 16mm and 35mm motion-picture equipment featuring the Arriflex 16SR, 35-3, and 35BL cameras with time code and video accessories. New Arriflex image stabilizer, Zeiss super speed lenses, Sachtler fluid head tripods, Arrilite HMI lights, and the latest in a wide range of professional accessories.

Personnel: Volker W. Bahnemann, Richard B. Schreiberman, Abbott Sydney, Bob Arnold, Horst Bergmann, Heinz Feldhaus.

Arvin/Echo Science Corp.

485 E. Middlefield Rd., Mt. View, CA 94043

Exhibiting: Arvin/Echo will demonstrate its expandable Slo-Mo-1 system, which will demonstrate extended slow-motion recording and playback in 20-s increments up to 1 min. We will also have our new SS-2 system that will provide random access of 400 on-line slides or still frames, with archival capability.

Personnel: D. Shelton, W. Nichols, J. Dunn, C. James, C. R. Williams, J. Romanko.

ASACA Corp. of America

1289 Rand Rd., Des Plaines, IL 60016

Exhibiting: Video noise meter (can measure chroma noise), envelope delay measuring set, video sweep generator, portable video switcher, portable video TV camera, digital pattern generator, color monitors (20-in, 14-in, 10-in).

Personnel: Robert Shult, Richard Reilly, T. Shigezaki, Kazuo Ezoc, Mike Kobayahsi.

Audio Services Co. & Sales Center, Inc.

4713 Lankershim Blvd., N. Hollywood, CA 91602

Exhibiting: Professional audio products for film and video tape. Sela mixers, Vega wireless, Sennheiser microphones, Schoeps microphones, Nagra recorders, sound carts, audio development mixers, Beyer dynamic headsets, Sony mics and headsets, Electro-Voice mics and accessories, and Rycote wind screens.

Personnel: Richard H. Topham, Ronald L. Topham, Mark Chatinsky, Richard H. Topham, Jr., Marva Willis, Martin R. Topham, Peter Spinelli, Wilfredo Vargas, JoLynn Gerring, Rosemary Topham.

Belden Communications, Inc.

25 W. 45th St., New York, NY 10036

Exhibiting: Will display the complete line of Lee filters and show some new equipment developed by Lee Electric of England such as a new 200W HMI handheld battery operated unit that is flicker free. Also we will be showing our CSI units.

Personnel: Michael Sheppard, David Holmes, Peter Ninivaggi, John Lee, Benny Lee, Bob Jeffs, Lyn Jeggo, Don Stott.

Bell & Howell (Professional Equip. Div.)

7100 McCormick Rd., Chicago, IL 60645

Exhibiting: Model 6123S continuous contact printer with microprocessor control system; Model 6123R continuous contact wet printer; 6175E program tape punch and other printer accessories.

Personnel: J. M. Ehrenberg, M. J. Darbyshire, F. J. Gonzalez, G. W. Darrell, D. M. Jones, G. R. Knapp, J. W. Lang, A. A. Meiche, T. J. Wheeler.

Berkey Colortran, Inc.

1015 Chestnut St., Burbank, CA 91502

Exhibiting: Motion-picture studio and location lighting fixtures, controls, dimming; along with a computer control system, portable kits, gelatran color media.

Personnel: Franc Dutton, Ken Boyda, Marion Rimmer, Tom Pincu, Jeff Sessler, John Gresch, Joe Byron, Ken Vannice.

Birns & Sawyer, Inc.

1026 N. Highland Ave., Los Angeles, CA 90038

Exhibiting: Birns & Sawyer, Inc., manufactures and distributes a complete line of accessories for professional motion-picture equipment. It is also a competitive source for such major equipment lines as Arriflex, Nagra, Lowel, Colortran, and Ediquip. Some of the many products the firm is showing are Tripods, including both regular and claw-ball top castings, Director's Finders 35mm and 16mm, Stopwatches, Slates, Take one wall clocks, Tripod dollies, Hi-hats, Quickie Flex-Flag French Flag Kits, Changing Bars, as well as technical books.

Bogen Photo Corp.

100 S. Van Brut St., Englewood, NJ 07631

Exhibiting: Bogen Cine stands: five professional stands designed for heavy lights, reflectors and scrims. Auto Pole/expand background system:

strong, modular and flexible system Bogen tripods; heavy duty professional models for varied applications. Bogen super clamp: available with a variety of accessories, can attach to poles, posts, tripod legs, pipes, doors, stands, beams and hold cameras, lights, umbrellas, hooks, shelves, plateglass, crossbars.

Personnel: Lester H. Bogen, Bruce M. Landau, Kriss Brunngraber, Martin Rosenberg.

Bolex (USA), Inc.
250 Community Dr., Great Neck, NY 11020

Exhibiting: Complete line of 16mm Bolex motion-picture cameras and projectors, accessories.

Personnel: Joe Vasata, Rand Christensen.

Bosch Fernseh
279 Midland Ave., Saddle Brook, NJ 07662

Exhibiting: BCN 5. Cassette portable one-in videotape recorder with built-in time code generator and in-field color playback. KCA portable color camera with optical fiber link, BCN 50 studio videotape recorder with associated accessories and the world's finest color video monitors.

Personnel: Fred Bundesmann, Tony Magliocco, Bill Love, John Lynch, Lenny Staskiewicz, John Webb.

Canon USA, Inc.
10 Nevada Dr., Lake Success, NY 11042

Exhibiting: J13 × 9 BIE lens for ENG/EFP; P12 × 18 studio lens with diascope for automatic registration, set-up; P18 × 16 studio/field lens with diascope for automatic registration, set-up; scoopic 16mm camera accessories.

Personnel: Jack Keyes, Bob Ginnelli, K. Satome, M. Momosawa, T. Sakurai.

Carter Equipment Co., Inc.
15430 Condon Ave., Lawndale, CA 90260

Exhibiting: "Total Immersion" patented wetprinters and accessories. Computerized tape punch. Frame count cue systems. Video color analyzer and accessories. Complete professional film lab hardware.

Personnel: W. D. Carter, Clay Ogletree, Martin Mueller.

Central Dynamics Corp.
10 W. Main St., Elmsford, NY 10523

Exhibiting: Central Dynamics will introduce the model 4 production switcher which uses the technology and flexibility of the CD480 family of switchers. The model 4 incorporates all the facilities of a single SFX amplifier, as used in larger CD480 switchers. This is a compact switcher which is suitable for mobile installations and for production studios.

Personnel: Brian Tee, Vince Lyons, Joe Rudigier, John Barker.

Century Precision Cine/Optics
10661 Burbank Blvd., N. Hollywood, CA 91601

Exhibiting: Century products including Century wide angle lenses, Century Tele-Athenar Telephotos, Century Duplikin Copiers, and many accessories for professional film production.

Personnel: Bill Turner, Steve Manios, John Manios, Karen Hatten.

Cetec Vega
9900 Baldwin Pl., El Monte, CA 91731

Exhibiting: The complete line of Cetec Vega professional wireless microphone systems. Including the new "Dynex" (dynamically expanded) systems.

Personnel: Paul Baughman, Jack Daniel, Ernie Pappenfus, Ray Edwards.

Christy's Editorial Film Supply
135 N. Victory Blvd., Burbank, CA 91502

Exhibiting: Motion-picture editing equipment and supplies: reels, cans, cases.

Personnel: Dick Christy, Dan Christy, Jitu Devani, Phil Chandler.

Chyron Corp.
265 Bethpage-Spagnoli Rd., Melville, NY 11747

Exhibiting: Chyron IV electronic graphic titling system.

Personnel: Dick Boyd, John Starosky, Dave Buckler, Joseph Scheuer.

Cinema Products Corp.
2037 Granville Ave., Los Angeles, CA 90025

Exhibiting: MNC-71CP video camera, CP-16R camera; new GSMO 16mm camera; HMI studio/location lighting, "quartz" location lighting kits, and Bublélite. Co-Ax Control; KM-16 16mm film-to-tape transfer; U/F-16 "upright/flatbed" 16mm editing console; XR35 lightweight 35mm studio camera; Ultra T prime lenses for 16mm cinematography; Universal tripods; 1-in tape decks.

Cine/Precision Engineering Co.
1038 N. Highland Ave., Hollywood, CA 90038

Exhibiting: The RNC-35 is an updated self-blinded studio type mirror reflexed camera that will accept the Zeiss and Cooke speed lenses with a BNCR bayonet lens lock. Other features are an orientable viewfinder, LED footage counter crystal controlled brushless motor. The weight with a 400-ft magazine is 27 lbs and a dB reading of below 27 at 3 ft on the weighted A scale.

Personnel: Jake Monroy, Pete Kalian, Horst Stenberg, Peggie Sherman.

Cine 60, Inc.
630 Ninth Ave., New York, NY 10036

Exhibiting: Rechargeable battery systems, sun-guns, snaplok camera mounts, shoulder pods, 115-V ac blower-cooled quartz lights, blimp for Arri 2C, offset motor base, electric zoom motor drives for Angenieux lens.

Personnel: Paul Wildum, Bob Kabo, Don F. Civitillo, Evan Green.

CMX Systems (A Div. of Orrox Corp.)
3303 Scott Blvd., Santa Clara, CA 95050

Exhibiting: Video editing systems.

Personnel: Bill Orr, Alan Behr, Nick Adams, Klaus Eichstadt, Gene Simon, Linda Kulmaczewski, Bob Duffy.

Coherent Communications, Inc.
13733 Glenoaks Blvd., Sylmar, CA 91342

Exhibiting: Artech radio mics, audio developments mixers, mini-mic microphones, co/con motion-picture time code equipment, ENG & film mixer, Rycote microphone windscreens and shockmounts, and more.

Personnel: Ivan Kruglak, Harry Howard, Anthony Levesley, Martin Shann.

Commercial Electronics, Inc.
880 Maude Ave., Mt. View, CA 94043

Exhibiting: CEI-310 and CEI-330 EFP color cameras.

Personnel: Al Jensen, Bill Riester, Don Diesner, Len Adler, Chuck Headley, Harvey Ray, Jim Irvine, Dave Lindsey, Andrew Mellows, Joe Pippala.

Compact Video Systems, Inc.
2813 W. Alameda Ave., Burbank, CA 91505

Consolidated Video Systems, Inc.
1255 E. Arques Ave., Sunnyvale, CA 94086

Exhibiting: CVS EPIC computer-assisted editing systems, CVS 630 series digital framestore synchronizer, CVS 520 TBC, CVS 516 TBC, CVS 310 enhancer/noise reducer, CVS 506 TBC.

Personnel: Frank Santucci, William Miller, Marv Alley, Mike Lang, Larry Seehorn, Bill Curtis.

Convergence Corp.

17935 Sky Park Circle, Irvine, CA 92714

Exhibiting: ECS-100 series superstick editing control systems featuring the ECS-103 multi-source superstick system for commercial post-production editing with SMPTE time code, special effects, A/B rolls, audio-video delay, animation and edit decision listing for both 3/4-in VCRs and 1-in Type "C" VTRs.

Personnel: John G. Campbell, Richard Moscarello, Frank Logan, Doug Tao, Rush Hickman, Jan Compton, Dennis G. Christensen, George W. Bates.

Datatron, Inc.

1562 Reynolds Ave., Irvine, CA 92714

Exhibiting: Tempo 76 3 VTR MP videotape editing system. Editmate III control track editor/edit lister. Datatron 2000 8 VTR look-ahead minicomputer editing system.

Personnel: J. Morrison, H. Perkins, J. Rowe, G. Rosenweig, D. McNulty.

Digital Video Systems

716 Gordon Baker Rd., Willowdale, Ont., Canada,
M2H 3B4

Exhibiting: DPS-1 time base correctors and frame stores for heterodyne and direct color, 3/4-in and 1-in VTRs. The DPS-1 is a completely modular, high quality, all digital processing system. The company will also exhibit the Phaser which is a low-cost frame store TBC synchronizer. Both systems operate at 4 times subcarrier and employ digital comb filtering and multiple microprocessors in their frame store configurations.

Personnel: John Lowry, Richard Kupnicki, Ben Tsai, Charles Poynton, Tony Grosboll, Jim Hahn.

Di-Tech, Inc.

311 Wyandanch Ave., N. Babylon, NY 11704

Exhibiting: Di-Tech will introduce the PACE 1000 controller. This system utilizes a single board computer and video terminal. With this system you can program up to 1000 events in a one week period. You can also create, update, manual execute, and hold. Di-Tech will also show routing switchers and audio video pulse distribution equipment.

Personnel: Tony Bolletino, George Petrilak.

Dolby Labs., Inc.

731 Sansome St., San Francisco, CA 94111

Exhibiting: Audio noise reduction equipment for professional videotape recorders, Dolby stereo cinema equipment, and professional audio noise reduction equipment.

Personnel: Robert A. Peterson, Clyde McKinney, Ioan Allen, Stacey Rehm, Ken Fay, Deborah Doyle, Steve Katz.

The Durafilm Co.

137 N. La Brea Ave., Hollywood, CA 90036

Exhibiting: Film preservation, scratch removal services, machinery and chemicals. Featuring the Durapro-Tector I, table top cleaning, preservation, lubing machine for 8/16/35mm.

Personnel: Madelon Cohen, Steve Eichenlaub.

Eastman Kodak Co.

343 State St., Rochester, NY 14650

Exhibiting: Eastman professional motion-picture film for production, laboratory, theatrical, and television release print film use. No equipment to be exhibited.

Personnel: D. W. Henderson, L. J. Spring, C. W. Kemmerer, T. R. McMurtry, W. H. Dinehart, J. B. DeWitt, A. D. Bruno, J. F. Schroth.

Eigen Video

P.O. Box 1027, Grass Valley, CA 95945

Exhibiting: Color disc recorder, for electronic slides with 500-image capacity, and slow-motion "instant replay" effects.

Personnel: James Hebb, George Foster, Jerry Warner, Mike Curran.

Electronic Applications, Inc., (PEP Div.)

1270 Ave. of the Americas, New York NY 10020

Exhibiting: Electronic ballast HMI lights for location shooting: 60% lighter, 40% smaller. No-flicker ballast: provides straightforward use of HMI daylight lighting, 575 W to 4000 W without compromise. The "politician's light" for news: more light, less heat, less power for news conferences. Premium ENG battery/charger: systems for TV and film.

Personnel: J. Tharpe, A. Gallagher, S. Price, J. Zibulsky, R. DeBry, C. Kane, C. Cottret, A. Chauzit.

EPRAD, Inc.

123 W. Woodruff St., Toledo, OH 43620

Exhibiting: Starscope stereo-optical sound system, directly equivalent to the Dolby Laboratories CP-50 processor. EPRAD's Starscope processor will be mounted in a complete system's package known as Galaxy. Starlet directional sound system provides surround sound capability for the smaller auditorium at a most reasonable cost.

Personnel: Al Boudouris, John J. Burlinson, Jr.

F&B/Ceco (Bardwell & McAlister)

7269 Santa Monica Blvd., Hollywood, CA 90046

Exhibiting: Studio lighting equipment — full line of focusing fresnel spotlights, open-faced quartz lights, cyc strip lights and accessories. Grip equipment — Century stands, overhead cutter stands, flags, cutters, butterflys, sand bags, etc.

Personnel: Arthur Florman, John Strong, Sharon Evans, Len Hollander, Brian Kreider, Dan Joelson, Walter Drucker, Chedley Abdelkhalek, Tony Robinson, Jim Spinney, Isabel Cardinas.

Ferco, Inc.

750 Bryant Ave., San Francisco, CA 94107

Exhibiting: 16 and 35mm cameras, videotape, Dolby body mounts, Helicopter mounts, HMI and other assorted cameras, lighting and sound equipment.

Personnel: Peter Schnitzler, Lou Girolami, Ron Lautore, Tom Schnitzler, Mari Nahra, Les Zellan, Ann Marie Mahacek.

Film-Technik/Chrosziel GmbH

HohenzollernstraBe 89, 8000 Munchen 40, W. Germany

Frezzolini Electronics, Inc.

7 Valley St., Hawthorne, NJ 07506

Exhibiting: Newest models of the Frezzi-Flex FR-16 camera for single or double system 16mm filming. Frezzi engineered new power belts, packs, and portable lights for video filming operations.

Personnel: James Frezzolini, James Crawford, Jack Frezzolini, Lena Frezzolini.

Fujinon Optical, Inc.

672 White Plains Rd., Scarsdale, NY 10583

Exhibiting: A wide selection of electronic cinematographer lenses will be displayed including 6mm wide angle fixed focus lens and the versatile A17 × 9 f/1.7 zoom lens along with the A12 and 14 times Fujinon zoom lenses that are already a standard of the industry. In addition, we are showing a large variety of C-mount lenses and a special new Moiré camera for medical applications.

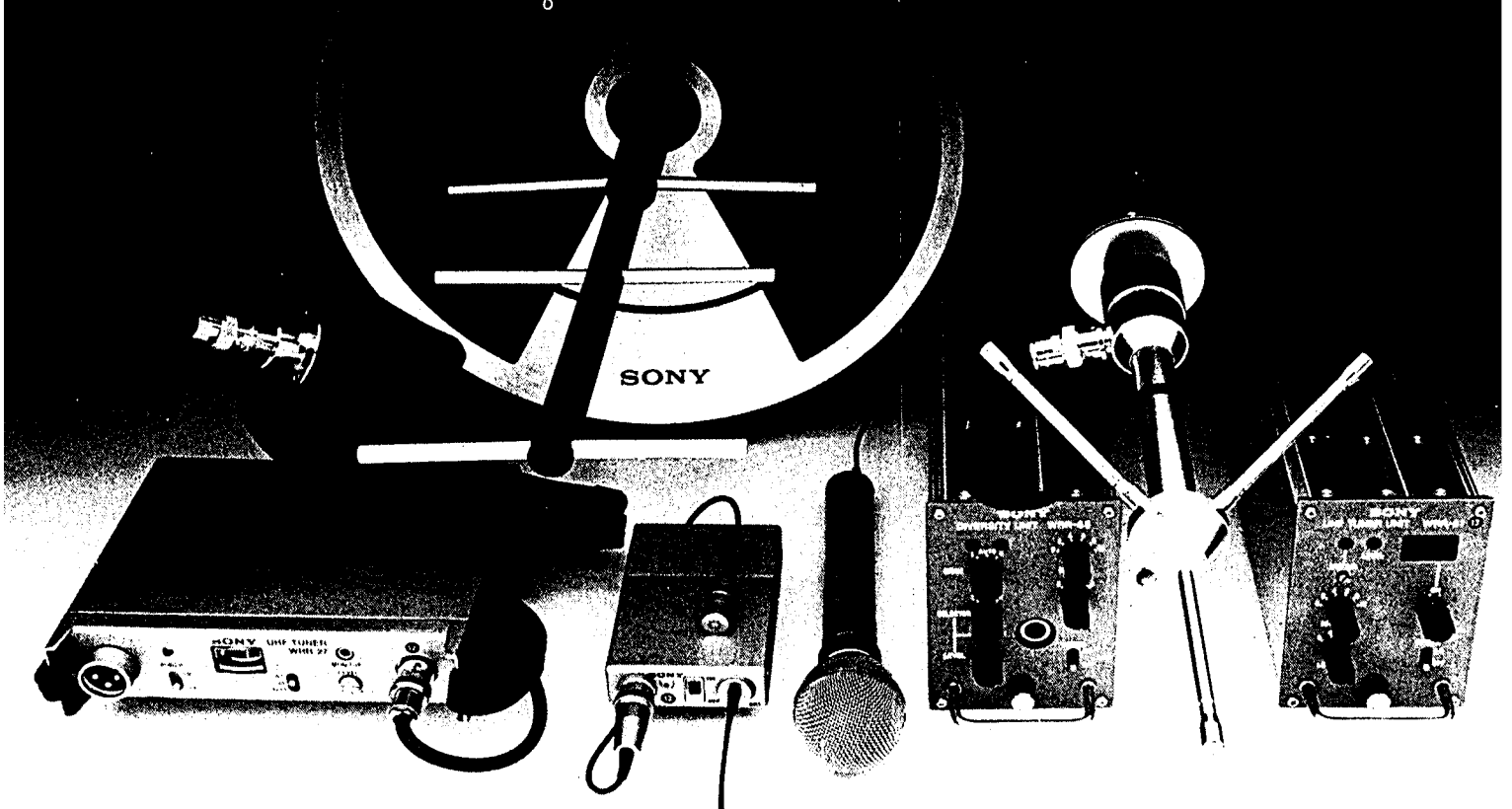
Personnel: F. Nakajima, M. Russin, J. Dawson, M. Ebisawa, P. Stuart.

Fuji Photo Film USA, Inc., (Magnetic Tape Div.)

350 Fifth Ave., New York, NY 10001

Exhibiting: H-621 high density one-in broadcast videotape. H-701E 2-in broadcast videotape. Fuji beridox U-Matic 3/4-in videocassettes. Fuji

SONY INTRODUCES WIRELESS MICROPHONE SYSTEMS WITH AN INNOVATION NOBODY ELSE HAS: SIGNIFICANTLY BETTER SOUND.



Until now, using a wireless microphone system meant sacrificing the quality of the sound in a trade-off for portability.

No more.

Sony has engineered wireless microphone systems as portable and versatile as any on the market.

But with a very big difference. Excellent sound.

To begin with, Sony offers a wider dynamic range than any other wireless system, a range of 96 dB. This accommodates sound pressure levels up to 130 dB. (While most other wireless systems have limiters which hold their dynamic range to, at most, 75 dB, Sony engineering has produced a system that requires no limiters.)

So what goes into the microphone comes out again at the same sound level. And nothing takes away from the thrill of performance.

What's more, audio distortion is less than 0.1% and signal-to-noise ratio is better than 57 dB (both ± 2.4 kHz deviation, at 1 kHz).

And the new Sony systems are virtually drift-free. Frequency stability is an amazing $\pm 0.005\%$.

Furthermore, Sony wireless systems are available with up to 14 channels in UHF, which means that interference from other sound sources is much less likely than at lower frequencies.

And while many wireless systems are put together with a mixture of components from several manufacturers, Sony uses only one: Sony.

So we've been able to create fully integrated systems that offer you a wide variety of options.

For EFP and ENG, Sony's system includes a tiny lavalier mike, a transmitter about the size of a cigarette

pack and a tuner smaller than a paperback book.

The system also comes with a shoulder-strap antenna and a leather carrying case. Altogether, it's compact and efficient and offers outstanding sound.

For studio and stage use, Sony has a modular rack-mounted system that can be engineered in any combination you want, from single-channel to multi-channel diversity reception.

It can be portable or fixed, and runs from 110 volts AC or 24 volts DC.

For more information, call Sony Professional Audio Products at (212) 371-5800, extension 143 or 145.

You'll find out that no other wireless systems sound as good as Sony's.

SONY

We've never put our name on anything that wasn't the best.

beridox Beta-Max and UHS videocassettes. Flame retardant plastic shippers.

Personnel: J. Dale, A. Bedross, S. P. Henderson, M. Brehm.

General Electric Co.

Nela Park, Cleveland, OH 44112

Exhibiting: Light sources for television and motion-picture production.

Personnel: Ed Trout, Charlie Clark, Dick Dottermusch, Dave Graham, Joe Schultz, Ken Hilt, Dennis Ouellette.

Goldberg Brothers, Inc.

P.O. Box 5345 T. A., Denver, CO 80217

Exhibiting: Reels, cans, cases, racks, editing equipment, splicers.

Personnel: Norman Goldberg, Joe Paskal, Jim Frank, Debbie Singer.

Alan Gordon Enterprises, Inc.

1430 Cahuenga Blvd., Hollywood, CA 90028

Exhibiting: B&H Filmo camera; MP30-35mm M. P. projectors, NCEH animation motor; MK IV director's viewfinders; 16 and 35mm compeditor; Dote HMI meter; Zeppelin wind screens and shock mounts; fishpole mic-boom; GSMO camera; Swintek wireless sound systems; CSS-1 crystal cassette recorder; soundmate double system projectors, and Neilson Hordell Jr. animation stand.

Personnel: Grant Loucks, Don Sahlein, Bob Kuhagen, Ted Lane, Pat Singh, Mike Kelly, Ken Knipe, Peter Brown, Tony Zaza, Frank Kelly, Ralph Sogge, Richard Sher, Sylvia Lee.

The Grass Valley Group, Inc.

P.O. Box 1114, Grass Valley, CA 95945

Exhibiting: Television production and routing switchers; digital video effects system; television line and terminal equipment.

Personnel: Don Bowdish, Doug Buterbaugh, Bob Cobler, Bob Lynch, Bill Barnhart.

Gray Engineering Labs., Inc.

504 W. Chapman Ave., Suite O, Orange, CA 92668

Exhibiting: SMPTE Edit Code generators, readers, character generators, displays, user-bit encoders, edit code time base corrector, video time code reader, video reticle generator.

Personnel: John B. Gray, Lewis P. Reitz, Jr., Phillip McFadin, Tom C. Clark, Scott R. Gray.

Harrison & Harrison

6363 Santa Monica Blvd., Hollywood, CA 90038

Exhibiting: Special effect filters for motion pictures; photographic light transmitting filters; Harrison Spectro Wedge System, plus hardware and Opticolor.

Personnel: H. K. Harrison, Mrs. H. K. Harrison, T. C. Rush.

Hazeltine Corp.

248 E. Pulaski Rd., Greenlawn, NY 11740

Exhibiting: Hazeltine's model 200H color film analyzer with micro-processor-controlled light emitting diode (LED) display and precision-inline monitor. Model 116 mini analyzer and model 240 tape preparation system.

Personnel: A. Arbceny, A. Eisenhuth, S. Nardella, S. Osgood, R. Cassara, K. St. John, N. Reeber.

Hitachi Denshi America, Ltd.

175 Crossways Park West, Woodbury, NY 17971

Exhibiting: Studio and portable color camera systems, color monitors, Type "C" recorders.

Personnel: Bernie Munzelle, Mike Monk, Nick Pisciotta, Tommy Yamashita.

Hollywood Associates

(c/o Gray Engineering Labs., Inc.)

504 W. Chapman Ave., Suite O, Orange, CA 92686

Exhibiting: Projects that members of the association are currently developing for use by the motion-picture industry (as consultants).

Personnel: Al Keller, Allan Gundelfinger, Will Stewart, Joe Schmit, John Gray.

Hollywood Film Co.

3294 E. 26th St., Los Angeles, CA 90023

Exhibiting: Total immersion printers, all types of film-handling equipment. Optical printers.

Personnel: Harry Teitelbaum, Ben Teitelbaum, Nick Mastrogiovanni, Mark Levine, Henry Stenke, Phil Singer, Warren Strang, Lillian Raye, Ralph Whittmore.

Houston Fearless 76, Inc.

833 E. Walnut St., Carson, CA 90746

Exhibiting: Houston Fearless continuous cine film processors for color negative, positive and reversal films. A new color negative wash machine will also be announced, chemical mix and storage equipment, and silver recovery equipment.

Personnel: Derrill J. Macho, Ivan Ryman, Richard Burke, Robert Schram.

Hudson Photographic Industries, Inc.

2 S. Buckout St., Irvington-on-Hudson, NY 10533

Exhibiting: Super-8 splicers, 16mm splicers, 35mm splicers, perforated and non-perforated splicing tape, leader, rear projection screens.

Personnel: Eugene Martinez, Norman Rabinowitz.

Ikegami Electronics, USA, Inc.

37 Brook Ave., Maywood, NJ 07607

Exhibiting: Complete line of studio, EFP and ENG cameras, the "8" series and the RH series of color monitors and the TKC-950B film chain. Computer set-up cameras to be shown include the HK-312 with triax, the HK-357 with diode gun tube, and the hand held HL-53. Also on display will be the HL-79A in the ENG mode, and also in the convertible studio mode with base station, 4 1/2-in viewfinder and studio type housing. The production model of the HL-78B will also be shown.

Personnel: N. Nishi, H. Schkolnick, Y. Sato, B. Ballantyne, F. Bergstrasser, S. Yana, T. Arai, S. La Conte, K. Fuse, K. Kazuma, L. Wolff, K. Tindall.

Image Devices, Inc.

1825 N.E. 149th St., Miami, FL 33181

Exhibiting: IDI Products: Micro mike; earset; miniset; maxi headset; wireless earphones; ACL-4 underwater housing; underwater lights; mini-pod I and II; super straps; non-slip shoulder pods; magazine/accessory case; modular leather cases for Vega wireless receiver; superkart; superties; pocket tool kit; super stix; Velcro slate; super zoom servo lens control; micro monitor; video recorder superhandle; and recorder/camera rain-covers.

Personnel: David G. Haylock, Steve C. Brinson, Bill E. Reiter, Uwe Sattler, Julia A. Szigeti, Frank B. Haylock.

Image Transform, Inc.

4142 Lankershim Blvd., N. Hollywood, CA 91602

Exhibiting: We will have demos on tape-to-film; film-to-tape; color correction.

Personnel: Marie Guernsey, Tom Mann, Ron Nichols, Bob Ringer, Terry Robinson, Warren Rosenberg, Toni Roth.

Industrial Silver Co.

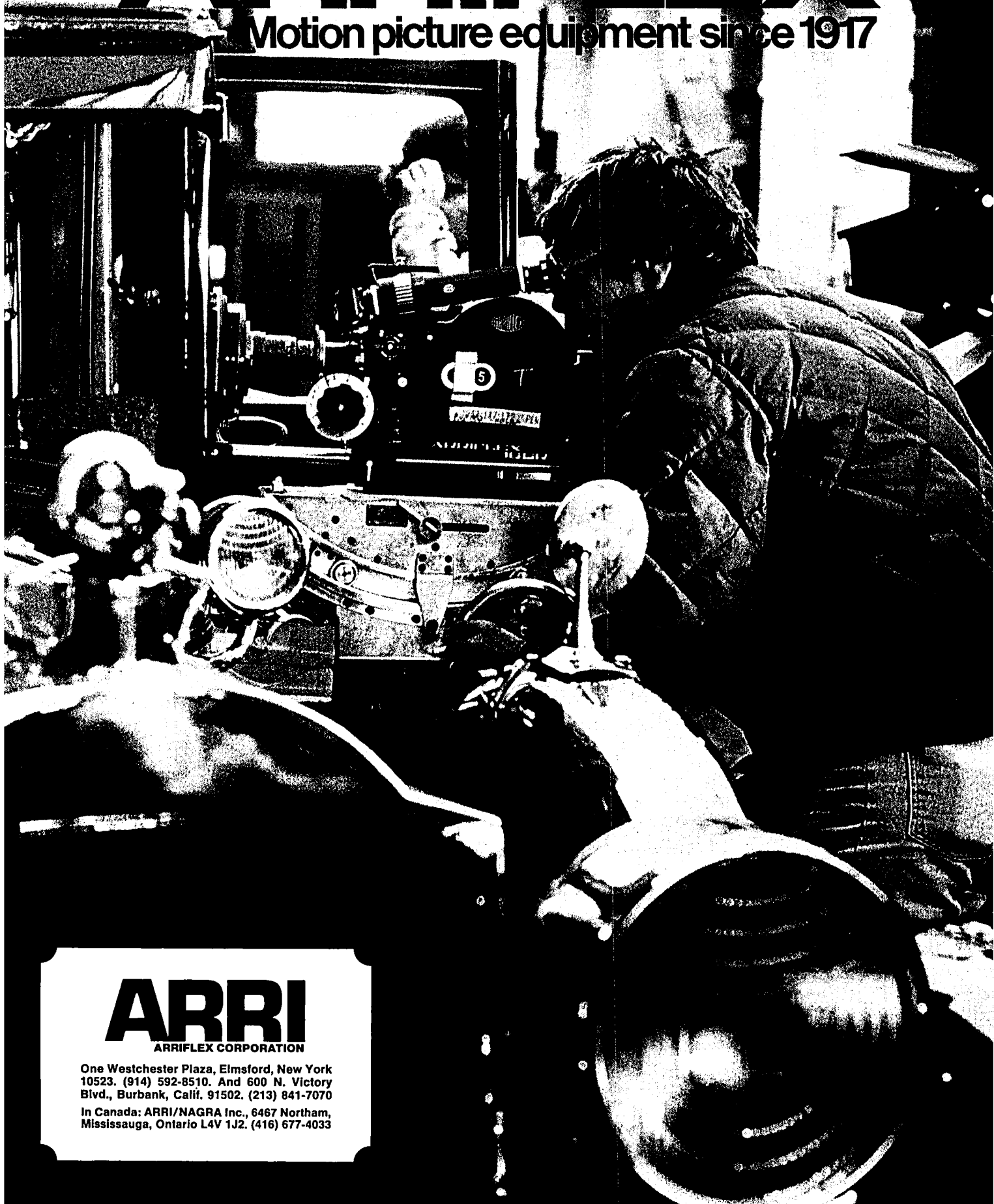
116 E. Prospect Ave., Burbank, CA 91502

Exhibiting: The largest refiners of photosensitized by-products, specializing in equipment and programs that provide the key understanding to a well-managed silver recovery and pollution abatement program.

Personnel: Larry DeWitt, Michael Gregston, Charles Yohn, Terri Rowe.

ARRIFLEX

Motion picture equipment since 1917



ARRI
ARRIFLEX CORPORATION

One Westchester Plaza, Elmsford, New York
10523. (914) 592-8510. And 600 N. Victory
Blvd., Burbank, Calif. 91502. (213) 841-7070
In Canada: ARRI/NAGRA Inc., 6467 Northam,
Mississauga, Ontario L4V 1J2. (416) 677-4033

Jamieson Film Co.

6901 Forest Park Rd., Dallas, TX 75235

Exhibiting: Cine automatic processor. R.V.N.P.

Personnel: S. Douglas Pritchett, Michael N. Foster, Oscar Garza.

US JVC Corp.

58-75 Queens Midtown Expy., Maspeth, NY 11378

Exhibiting: 3/4-in editing system, professional color cameras, 3/4-in portable recorder.

Personnel: Mike Fleming, Gary Horstkorta, Joe Merjan, Logan Enright, Don Thorckerson, Jack Russell.

K B Systems

Box 3321, Lynnwood, WA 98036

Exhibiting: "Magic Slippers" ingenious new device for tensioning uneven film reels. K B Systems custom editing equipment and specialties editors. K B Systems power rewinders.

Personnel: William Reid, Kay Reid, Joy Vincent.

KEM Editing Systems, Inc.

6253 Hollywood Blvd., Suite 203,
Hollywood, CA 90028

Exhibiting: The compact KEM Rapid-2 in a 6-plate and new 8-plate configuration, now with fast threading single sprocket picture and sound units 16mm/35mm. The well-known KEM Universal 8-plate and 4-plate modular format interchangeable with up to three picture or sound tracks. Interlock between all tables with automatic master/slave switching line or crystal sync and external drive from projectors or dubber/recorders. Electronic dual display counter computing footage, frames and time, plus and minus capability and auto-stop. Amplifier with slide controls, cueing and high speed muting.

Personnel: Peter W. Weibel, Michael Denecke, Verena R. Tansey.

Kliegl Brothers

32-32 48th Ave., Long Island City, NY 11101

Lab Methods Corp.

7645 Densmore Ave., Van Nuys, CA 91406

Exhibiting: LMC 0-1500 fpm auto demand loop cabinet; film facit[®] projector for on- or off-line film inspection; Monitrol[®] tension monitor alarm/shutoff for film processors.

Personnel: Ross Wylie, Marvin Roberts, Joe Wary, Donald Schwanborg, Helene Caruthers, Howard Hoadley.

LaVezzi Machine Works, Inc.

900 N. Larch Ave., Elmhurst, IL 60126

Exhibiting: Sprockets for all film sizes, including Posi-Trol and VKF designs. Geneva intermittent components and assemblies. Special high precision machine components for all types of film equipment.

Personnel: Worth Baird, Dick Horak.

Lenco, Inc., (Electronics Div.)

300 N. Maryland St., Jackson, MO 63755

Exhibiting: Introducing RS170A master sync generator. Video terminal equipment including test and distribution. Black-and-white and color monitors. Waveform and vectorscopes.

Personnel: Paul Leonard, Dick Lawrence, Bob Henson, Ken Tiffany, Mert Knold.

Lighting Dimensions Magazine

3900 S. Wadsworth, Denver, CO 20235

Exhibiting: Magazines distributed to SMPTE attendees. Publishing and editorial staff members will be on hand to answer questions.

Personnel: Pete Sokoloff, Jill Marks, Richard B. Glickman.

Lipsner-Smith Corp.

4700 W. Chase Ave., Lincolnwood, IL 60646

Exhibiting: Lipsner-Smith MicroPerfect CF-2 and CF200 ultrasonic film cleaning machines. Introducing all new solvent reclaiming systems. Also showing Edette inspection equipment; film supplies.

Personnel: Tom Tisch, Jerry Lipsner, Dick Hughes, Ray Short.

Listec Television Equipment Corp.

39 Cain Drive, Plainview, NY 11803

Exhibiting: Vinten portable mounting equipment including lightweight boom and new range of pan and tilt heads with unlimited rotation. Digivision prompting systems with image enhancement and built-in polarity reversal; both 12-in and 17-in monitors available. Richmond sound design portable broadcast quality audio consoles. Pro-bel gen character generator.

Personnel: Jack Littler, Joanne Camarda, Howard Stucker, Melanie Littler.

Lowel-Light Mfg., Inc.

421 W. 54th St., New York, NY 10019

Exhibiting: Lowel location lighting and support equipment for motion-picture and television applications. On display will be the 'D' and Omni-light focusing spot lights, the Tota-light broad light, the Softlight 1500 softlight, the original universal Lowel-light, the Variflector II reflector, Link location support and control system, and related accessories for all of above.

Personnel: Ross Lowell, Marvin Seligman, Roy Low, Art Kramer.

L.T.M. Corp. of America

21200 Nordhoff St., Chatsworth, CA 91311

Exhibiting: L.T.M. introduces their complete line of incandescent lights; 1K, 2K, 5K, and 10K. HMI's, 200 W through 4000 W, including Fresnel, open-face, softarc, and spotarc will be on display.

Personnel: Claude Crevet, Jean Galerne, Guy Fischer, Gilles Galerne, Herb Breittling, Walter Mills.

L-W International

6416 Variel Ave., Woodland Hills, CA 91367

Exhibiting: Athena[®] 4000 and 5000 slo-mo, freeze-frame telecine projectors, featured in complete multiplex setup. Demonstration of actual film-to-tape transfers for freeze-frame and special effects, plus editing.

Personnel: R. H. Lawrence, Pat Smith, D. M. Stern.

Macbeth Sales Corp.

R.D. #3, Jeanne Dr., Newburgh, NY 12550

Exhibiting: HMI light sources.

Personnel: Wendell Gill, Larry Carr, Russell Liddle.

Magnasync/Moviola Corp.

5539 Riverton Ave., N. Hollywood, CA 91603

Exhibiting: 35mm and 16mm flatbed editing tables with the Moviola flickerless prism, unique footage/time digital readout system with memory and other advanced features. Series 3000 magnetic film insert recording/reproducing equipment and compact dubbing system interlocked with a flatbed editor. Multi-channel mixer. And the incomparable "Upright Moviola."

Personnel: Dan Zinn, Sam Lane, Carl Nelson, Gerry D'Almada, Ted Diamond, Holmes Ives.

Magna-Tech/Quad Eight Electronics

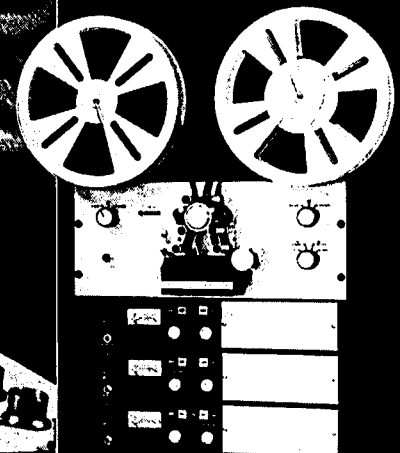
630 Ninth Ave., New York, NY 10036

Exhibiting: High speed dubbers and recorders, high speed projector, electronic looping, vidmag video film recorder/reproducer.

Personnel: N. T. Prisament, Marc Prisament, George Szigeti, Robert Eberenz, Robert Bennett, Ron Bennett.

"Magnasync/Moviola's Series 3000 Insert Recorder is a Sound Investment"

Ted Gomillion
*Gomillion Sound Inc.
Hollywood, California*



"We thought that the amplifiers we designed and built in our own shop were the best. But that was before we bought our first Series 3000 over two years ago. Since then we've found that the electronics in the 3000 are a step beyond anything else available, including our own.

"The system's signal-to-noise ratio is extremely good, which lends itself to one of the most difficult areas of sound — sound effects recording. Even the most subtle effects can be accomplished because of the 3000's exceptionally quiet, low-distortion electronics.

"When we tested the system, the sound was so transparent that we couldn't even tell when the bias was turned on. We had to go back and punch up the recorder to find out which was live from the console and which was the tape playback. Now that's pretty damned good!

"And as far as ruggedness and reliability goes, you can't beat the 3000. We average around 50 hours a week of constant usage on our 3000, and we've never had a minute's downtime or a service call since it was installed."

Gomillion Sound Inc. is only one of a growing number of top-flight studios that depend upon Magnasync/Moviola equipment to keep them in the forefront of the industry.

Find out how you can make a sound investment in your studio's future with the Magnasync/Moviola Series 3000.

Write or call for full information today.

magnasync

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magnasync/moviola corporation

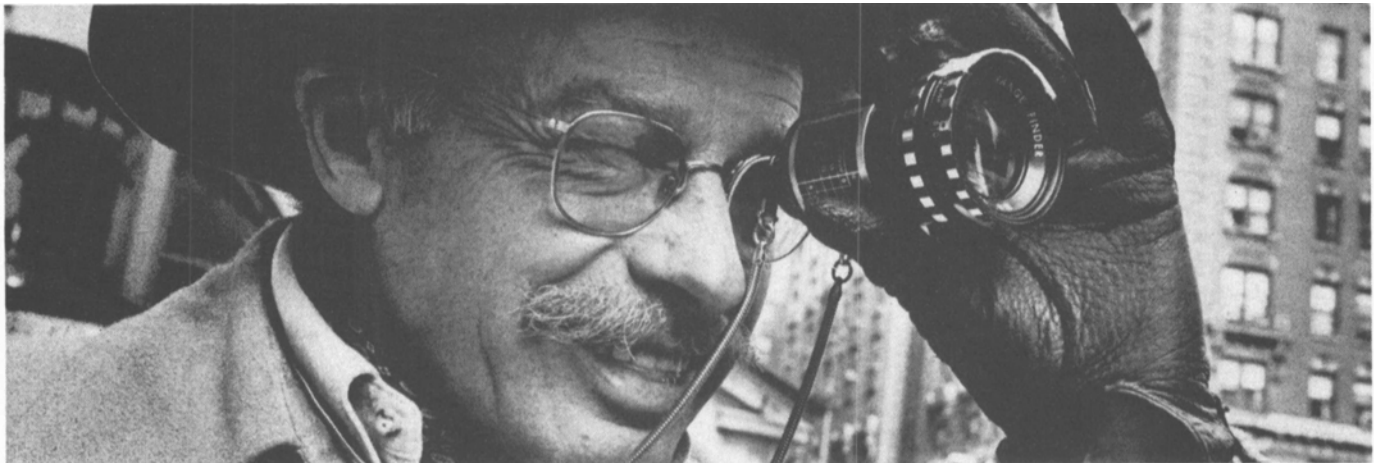
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5539 Riverton Ave., P.O. Box 707, No. Hollywood, CA 91603, Phone: (213) 763-8441, Cable: MAGNASYNC, Telex: 67-3199 MAGNA/MOVIO

See us at SMPTE — Booth 401-405



ORNITZ



"How do you light the World Trade Center?"

Cinematographer Arthur Ornitz learned to make movies by making movies. He loves New York City, backdrop for such Ornitz-filmed pictures as "An Unmarried Woman," "Anderson Tapes" and "Serpico," to name a few. He credits the joy of shooting in New York to some enlightened city policies, his own hard-won expertise, and even the products of a well-known manufacturer of motion picture film.

"My brother and I learned still photography first. We did everything, got to know all sorts of cameras, did our own processing, the works.

"Then another film student and I got hold of a 16 mm camera and put it in a suitcase with a little hole for the lens to stick out, and we made a short movie about the city from a *dog's* point of view. We carried that suitcase everywhere, shooting from the dog's eye-level. We put it on roller skates, tried things no one else had tried. Our film attracted some attention, and later we were asked to remake it in 35 mm; but for me, it was never as good as it was the first time.

"New York City is one of the world's great movie sets. TV has made audiences more aware of reality. They quickly sense when something is phoney. They want real earthquakes, real streets. They really drove us to shoot in the streets, and it's been great, because it's the real thing.

"New Yorkers take the movie business seriously. They assign you members of the Tactical Police Force, and those officers stick with you. They're paid by the city, not the producer. They're tough guys and sweet to work with. There are very few places in New York that they can't clear for you to shoot.

"Eastman color negative II film 5247 is wonderful for shooting in the city. It has a very fine grain, the blacks are velvety and the whites hold up. When you're using the city as a background for a scene, it's the lights in the *distance* that count. It's easy to light your scene; just turn on enough arcs. But how do you light the World Trade Center with its fluorescent bulbs and the street lights and the car traffic and the neon signs and so forth. The sensitivity of 5247 does it for you.

"On a feature film you have to have form and professional discipline, and you have to play first fiddle to the director's conducting. But when you're doing a film as a student or for yourself, then you should really try to reach for something. I tell my students, 'Whether it's a new way of looking at color or lighting or composition—whatever it is—it should have your stamp, your signature. It should be your own.'"

If you would like to receive our publication for filmmakers, Kodak Professional Forum, write Eastman Kodak Company, Dept. 640, 343 State Street, Rochester, NY 14650.



EASTMAN KODAK COMPANY
ATLANTA: 404/351-6510
CHICAGO: 312/654-5300
DALLAS: 214/351-3221
HOLLYWOOD: 213/464-6131
NEW YORK: 212/262-7100
ROCHESTER: 716/254-1300
SAN FRANCISCO: 415/928-1300
WASH., D.C.: 202/554-9300
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Kodak... Official motion picture consultant to the 1980 Olympic Winter Games.

Marconi Electronics, Inc.
100 Stonehurst Ct., Northvale, NJ 07647

Exhibiting: Video and audio test instruments including H and V blanking analyzer, VITS analyzer, wow and flutter meter, low distortion oscillators and auto null distortion and noise meter. Details on Mark IX cameras and C-format VTRs.

Personnel: Tony Ramsden, John Robinson, Jon Gorbald, Keith Elkins, Fred Bones.

Marco Scientific, Inc.
1031-H E. Duane Ave., Sunnyvale, CA 94086

Exhibiting: High speed cameras.

Personnel: Joseph H. Owren, Terry Johnson, Fran Kosel, Myron B. Baldwin.

Matthews Studio Equipment, Inc.
2405 Empire Ave., Burbank, CA 91504

Exhibiting: Location and stage equipment consisting of stands, dollies, dolly track, overhead light diffusion sets, flags and scrims, mounting equipment and accessories. Featuring two new products for demonstration: the "Mini-Jib" camera arm for all camera types, and the "Crank-O-Vator," portable light stand for HMI, quartz, incandescent, and arc lights.

Personnel: Edward Phillips, Carlos D. De Mattos, Ron Prociw.

Memorex Corp.
P.O. Box 1000, Santa Clara, CA 95052

Exhibiting: MRX 716 1-in broadcast tape and Q₂ HD 3/4-in U-Matic cassettes.

Personnel: R. L. Reetz, M. D. Skelton, D. Jackson, P. Bradbury, J. Anderson.

Merlin Engineering Works
1880 Embarcadero, Palo Alto, CA 94303

Exhibiting: Quad videotape recorders, full high band 1/2-in helical tape recorders. Accessories for all quad videotape recorders.

Personnel: R. Roger Watson, Kenneth Zin-John Streets, Al Sturm, Dan Dusch, Mike Bowland, Ken Martin, Cris Swift, Don Cochran.

Micro Consultants, Inc.
2483 E. Bayshore Rd., #209, Palo Alto, CA 94303

Exhibiting: Micro Consultants sells and services digital video systems manufactured by Quantel. Besides digital effects, its product line includes time base correctors, a range of synchronizers, noise reducers, standards converters, still storage devices, and other related equipment.

Personnel: George Grasso, Charles Martin.

Microtime, Inc.
1280 Blue Hills Ave., Bloomfield, CT 06002

Exhibiting: Video signal synchronizers, time base correctors, video signal processors, and video image processors.

Personnel: David E. Acker, Robert J. Anderman, Daniel J. Sofie, Gary P. Johnston, R. Traude Schieber.

Miller Professional Equipment, Inc.
10816 Burbank Blvd., N. Hollywood, CA 91601

Exhibiting: Miller fluid action tripod heads with ball leveling top tripods and professional shoulder pods.

Personnel: Vince Pincetich, Eva Pincetich.

Millimeter Magazine
12 E. 46th St., New York, NY 10017

Exhibiting: Millimeter Magazine — the magazine of the motion-picture and television production industries.

Personnel: Deeny Kaplan, Peter Jablon, Alice C. Wolf, Stanley Kreshower, Marjorie Gallin Broper, Patricia A. Norquist.

**3M Mincon Div., Magnetic A/V Prod. Div.,
Photographic Prod. Div.**
3M Center, Bldg. 224-5N, St. Paul, MN 55101

Exhibiting: Complete line of "Scotch" brand professional recording tapes including "Scotch" 479 master broadcast videotape, "Scotch" magnetic film and accessories, "Scotch" master broadcast videocassettes, "Scotch" standard videocassettes, "Scotch" bulk and boxed audio recording tape. D 8800 equipment. Photogard — a unique coating system that applies an optically clear protective coating to processed motion-picture films.

Personnel: Frank Gallagher, Norm Ritter, Jerry Bauman, Gordon Schutte, Pete Van Deventer, Bob Landingham, Jerry Kerr, John Lugo, Kurt Wulliman, Ned Whiting.

Mitchell Camera Corp.
11630 Tuxford St., Sun Valley, CA 91352

Exhibiting: Motion-picture cameras 16mm, 35mm, and support equipment.

Personnel: H. L. Wittrock, Charles Mallory, Liz Dee.

Mole-Richardson Co.
937 N. Sycamore Ave., Hollywood, CA 90038

Exhibiting: New type 8881 144 kW Mole Control 12-pack portable dimmer with type 8882 Mole Control console. Four HMI fresnel Mole solar-arc solarspots®: 4000 W, 2500 W, 1200 W and 575 W. Molequartz Baby Solarspot line: 10,000 W, 5000 W, 2000 W, and 1000 W. Molequartz Molelipo pattern light, 2000 W and 1000 W. Many more Molequartz fixtures, lighting kits, grip equipment, hangers and adapters, and special effects will be on display.

Personnel: Howard R. Bell, Michael Hodgins, Michael Martin, Larry Parker, Dennis Parker, Dan Aron, Nanette Bond, Paul Bozigar, Arleen Bohte, John Robertson.

Motion Picture Enterprises, Inc.
Tarrytown, NY 10591

Multi-Track Magnetics, Inc.
508 Livingston St., Norwood, NJ 07648

Exhibiting: R 106/DCS — 35mm, 6-track high speed pickup recorder with #5500 DC servo motor drive, R 107C/DCS — 16/35mm, 1-track portable recorder/reproducer with #5500 DC servo motor drive, 16mm projector with PDL drive, Ventura III dubber rack, PH-16, 16mm high speed holoscope projector with #5500 DC servo motor drive.

Personnel: Stephen Talian, Nancy C. Salvatore, Douglas Cross, Thomas Sokira, Vincent Mosdar.

Nagra Recorders, Inc.
19 W. 44th St., New York, NY 10036

Exhibiting: Nagra 4VL, Nagra SNN, Nagra stereo tape recorders.

Personnel: Dom Notto, Tom Daniel, Gerard Kearns, Helen Joyce.

NEC America, Inc.
130 Martin Lane, Elk Grove Village, IL 60007

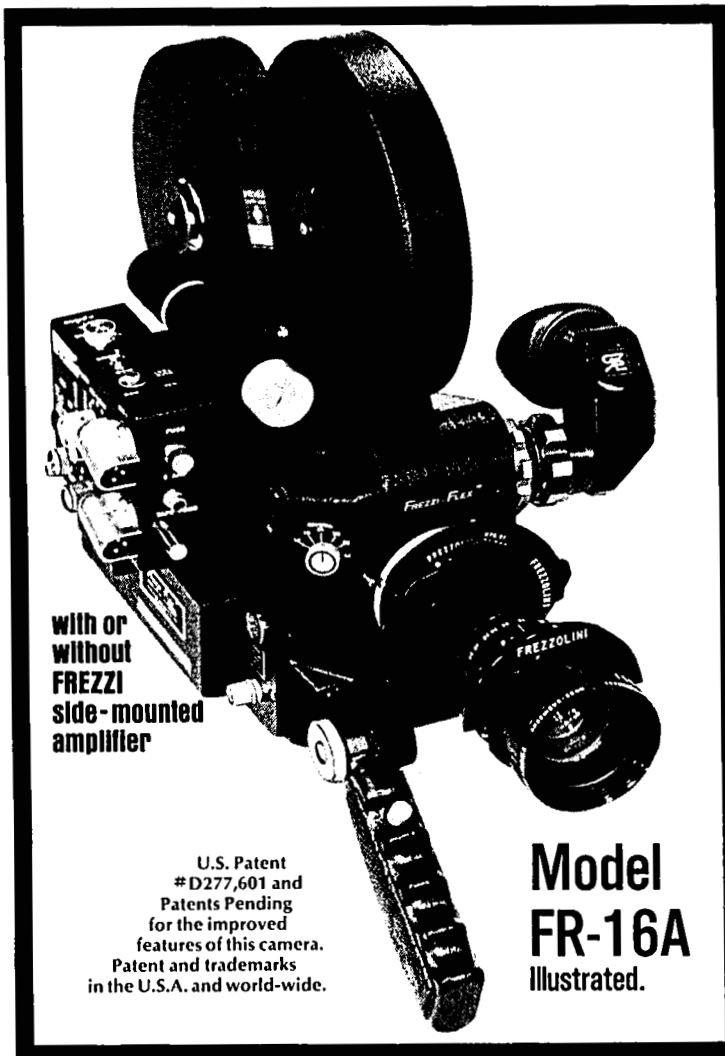
Exhibiting: The FS-15 family of frame synchronizers including: the basic FS-15 with TBC, velocity compensation, freeze frame, and digital video compressor options; the digital video effects "DVE" system with FS-15 and DVP-15 digital video processor; and the DSA-15 digital strobe action system.

Personnel: R. Dennis Fraser, Hugh F. Gillogly, Richard Dienhart, M. Mitsui, Lew Wigal.

Network Production Music
4429 Morena Blvd., San Diego, CA 92117

Exhibiting: The Network Production Music library is a new source for contemporary music adaptable to commercials, feature films, industrial and educational films, and various other multi-media productions. The music library is available on disc and tape. Network also has a separate products division specializing in brand name audio/visual recording supplies.

Personnel: Bob Skomer, Mike Anderson, Kerry Roberts, Tom Di Noto.



With or
without
FREZZI
side-mounted
amplifier

U.S. Patent
#D277,601 and
Patents Pending
for the improved
features of this camera.
Patent and trademarks
in the U.S.A. and world-wide.

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THE WORLD'S FINEST 16mm CINÉ CAMERAS

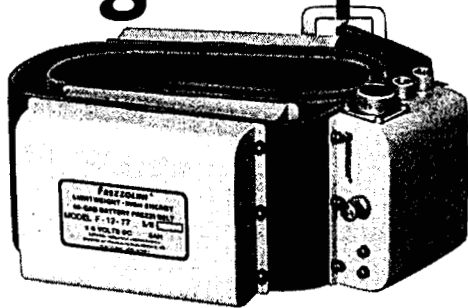
See FREZZOLINI® at SMPTE, Los Angeles, Booths 428-429

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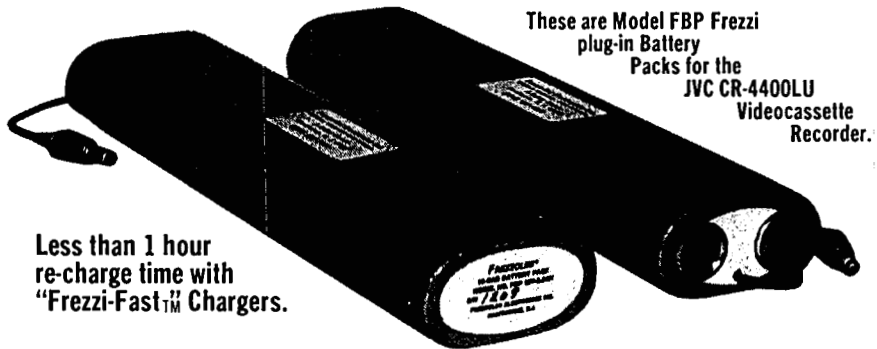
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Portable power for all video cameras, video
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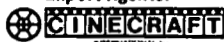
Frezzolini 16mm ciné cameras & E.N.G. support equipment.

Made in U.S.A.



Frezzolini Electronics Inc.
7 Valley St. Hawthorne, N.J. 07506 USA

Export Agents:



11 Caesar Place, Moonachie, New Jersey 07074 USA • (201) 939-0875 • Cables: Cinecraft Moonachie • Telex: Cinecraft Moon TLX 13-8875

N L Film Products

516 N. Larchmont Dr., Los Angeles, CA 90004

Exhibiting: The flatbed is a new concept in horizontal editing equipment for 2 to 8 plates with up to 4 individual picture or sound head combinations. Use a viewer or project on a screen. Modular design for any combination of 35mm, 16mm, or super 8mm.

Personnel: J. L. Levy, Max Filleul, Michel Filleul, Lois Levy, Dick Schiller.

Norton Associates, Inc.

10 Di Tomas Ct., Copiague, NY 11726

Exhibiting: Norton magnetic heads and amplifiers for professional motion-picture and studio recorders.

Personnel: R. Norton, B. Violen, R. Douthney, R. Auteri.

Nurad, Inc.

2165 Druid Park Dr., Baltimore, MD 21211

Exhibiting: At SMPTE, Nurad will emphasize its capability for designing, supplying, and installing complete microwave television systems. In terms of equipment, Nurad will stress its line of dual-band ENG/EJ antennas which make it possible for the broadcaster to operate simultaneously on two (2 + 7 GHz or 2.5 + 7 GHz) of the auxiliary broadcast bands. On display will be the circularly polarized 45 SQ Superquad[®] Dual-band receive antenna as well as other products for ENG/EJ operations.

Personnel: Les Lear, Stephen Neubeth, Vince Rocco, Fred Hock.

O'Connor Engineering Labs., Inc.

100 Kalmus Dr., Costa Mesa, CA 92626

Exhibiting: O'Connor fluid pan and tilt camera head models C, 20, 30, 50, 100 and 150. Also support equipment; super claw ball and regular claw ball tripods, and the model 102-B hydro-ped.

Personnel: Chadwell O'Connor, Regina O'Connor, Robert Low, Jeff Geist.

Oldelft/KLM Associates, Inc.

P.O. Box 34102, Bethesda, MD 20034

Exhibiting: Cinemonta editing tables with new Crown Optics, computer counter and a new design 6-plate 16mm console. A total of six machines will be exhibited in 16 and 35mm 4-plate, 6-plate, and 8-plate models.

Personnel: Desmond McElroy, Martaan ten Wolde, Bill Kras, Gerry Van Blokland, Renate Galli.

Oxberry (Div. of Richmark Camera Service, Inc.)

180 Broad St., Carlstadt, NJ 07072

Exhibiting: Animation equipment including computer controlled animation stand with long bed aerial image, Electrosync optical printer with liquid gate and the media pro line of slide production equipment.

Personnel: Richard McCarthy, Mark Ackerman, Alfred I. Thumim.

Pace International Corp.

3727 S. Robertson Blvd., Culver City, CA 90230

Exhibiting: Pace water recycling system — a new laboratory tested system which purifies photographic laboratory wash waters using ion exchange technology.

Personnel: Robert T. Kreiman, Shirley G. Kreiman, John J. Hewitt, Fred H. Detmers, Arthur Burla.

Panasonic Co. (Video Systems Div.)

One Panasonic Way, Secaucus, NJ 07094

Exhibiting: Color video camera, production signal equipment, videocassette recorders, 1/2-in and 3/4-in videotape editors, monitors, portable video camera systems.

The Perf-Fix Company

12381 Wilshire Blvd., Suite 203, Los Angeles, CA 90025

Exhibiting: The Perf-Fix system for film perforation repair, protection, and preservation.

Personnel: Diane Stanfield, Shirley Travers, Paul Trester.

Peterson Enterprises, Inc.

1840 Pickwick Ave., Glenview, IL 60025

Exhibiting: The latest in total immersion film printers for super-8 continuous optical reduction; plus related printer accessories such as frame count cue systems and electronic frame counter with program tape punch.

Personnel: Walter Peterson, Bruce Peterson, Chuck Zichterman, William Pfeifer.

Philips Broadcast Equipment Corp.

91 McKee Dr., Mahwah, NJ 07430

Exhibiting: Presentation of Philips color television products, including: the latest in a long line of Philips portable cameras, the LDK-14 for ENG, EFP, Studio — all achieved without equipment repackaging. The LDK-25 multi-conductor studio and field camera — video 80 convertible cameras for ENG, EFP, studio, and production system. One-in video recorders, for stand-alone and camera systems. Solid state exciter modulator. New digital noise reducer. New tape synchronizer. Test and measuring equipment: modulators, demodulators, VITS, analyzers, signal generators.

Personnel: W. Amos, W. Anderson, P. Bergquist, M. Hartt, A. Keil, J. Kraus, N. LaBate, M. Mackin, R. Weisel, J. Wilson, A. Karavaul.

Photo Research Div., Kollmorgen Corp.

3000 N. Hollywood Way, Burbank, CA 91505

Exhibiting: Spectra professional exposure meters, foot-candle meters, Tri-Color meter for balancing light source to film, and digital illumination meters and spotmeters for screen-brightness measurement.

Personnel: Tim Simon, Dale Kolke, Jim Branch, N. Kakar, Sharon Peigler, Dick Walker, Mary Lou Woolsey, Ed Goff.

Pioneer Marketing Corp.

1021 N. Lake St., Burbank, CA 91502

Exhibiting: Pioneer-Trebes Model 7600 aerial image optical printer with exclusive Microtron Drive system, Opcomatrix manual additive color lamphouse, spectra film gate photometer, PMA liquid gates, focatron focusing system, Can-Am professional series animation stand and ultrasonic film cleaner, film transports, Pacer-35 flickerless and sprocketless random-access cine (intermittent) film projector, MP-8 densitometer, TD-8 densitometer, and special effects accessories.

Personnel: Donald E. Stults, Rick Trebes, Fred Trebes, Ron Schmidt.

Plastic Reel Corp. of America

46 Passaic St., Wood Ridge, NJ 07075

Exhibiting: Editing equipment and supplies including plastic reels, cans and cases. Metal reels and cans, plastic 3-reel 2000-ft 35mm feature-film shipping cases, splicers, splicing tape, leader, etc.

Personnel: Pat Baccarella, Vince Carabello, Milt Blutter, Jerry Friedman, Bob Miller, Gene Stroud.

David Pringle, Inc.

6565 Santa Monica Blvd., Hollywood, CA 90038

Exhibiting: Anamorphic lenses, rigidized cases, monopod and other grip equipment.

Personnel: David Pringle, Willic Zolle, Peter Ross.

Rank Cintel

20 Bushes Lane, Elmwood Park, NJ 07407

Rank Precision Industries, Inc.

411 Jarvis Ave., Des Plaines, IL 60018

RCA

Front and Cooper Sts., Camden, NJ 08102

Exhibiting: Film recording and telecine systems.

Personnel: A. M. Miller, J. A. Gimbel, D. Freeman, C. J. Gaydos, H. W. Dover, J. V. Leahy.

SIX MORE GOOD REASONS TO BE GLAD YOU OWN A SCOOPIC.

(OR, SIX MORE GOOD REASONS TO BE SORRY YOU DON'T.)

To give your Scoopic even greater production versatility than ever before, we've added six new, versatile accessories. All in the same tradition of rugged, dependable, gimmick-free utility that's made this almost-legendary camera the favorite of news and documentary cinematographers around the world.



1 9mm WIDE-ANGLE LENS ATTACHMENT

Snap this precision supplementary lens onto the front of Scoopic's 12.5-75mm macro-zoom (or filter) and you've got a 9mm wide-angle that lets you get in as close as 3 1/2", and gives you such a high degree of brightness that there's no loss of f-stop. (By the way, this attachment also works with the Canon 12-120 macro zoom lens.)

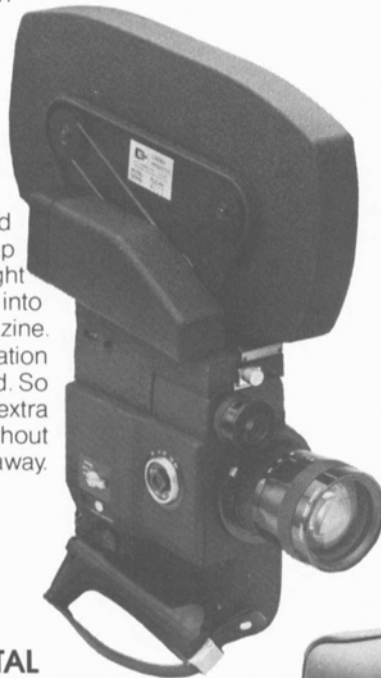


2 1 1/2X TELE-CONVERTER ATTACHMENT

This snap-on precision supplementary lens gives you tighter telephoto shots, by increasing the maximum effective focal length of Scoopic's lens to 112.5mm, with no loss of f-stop. (Also works with 12-120mm macro zoom.)

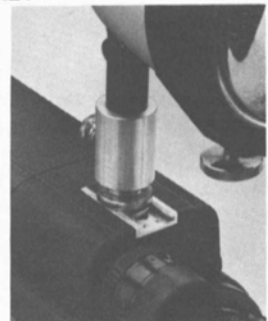
3 400' MAGAZINE ADAPTER

With this new factory installed adapter you'll be able to snap Cinema Products' new lightweight 400' Lexan™ magazine right into place. Or, a Mitchell 400' magazine. Better still, it won't affect normal operation using the Scoopic's 100' internal load. So for just a little, you've added a lot of extra production and sports capability. Without taking anything away.



4 LIGHT BRACKET

This rugged mounting bracket with its positive safety locking nut, slips right onto the accessory shoe. So, you can put a lot of extra light on the subject without an extra pair of hands. The engine turned 1/2" stud gives any standard light a sure, non-slip grip.



5 CRYSTAL CONTROL UNIT

All you need is a recorder designed for crystal use, our new crystal unit, and a factory modification of your Scoopic... and you can shoot absolutely synchronized sound at 24 fps. The convenient built-in unit adds no extra bulk and you can also purchase a new Scoopic from your dealer with the crystal unit already installed.

6 SOUND BARNEY

The Barney you've been waiting for. It reduces Scoopic's running noise to levels compatible with close-in miking. Made of durable Naugahyde™ over high-density foam, it also helps protect the camera physically and insulate it (as well as your hand) from extreme cold.



At this point, you should either be very glad or very sorry. Both of which are very good reasons to see your Canon dealer. So do it soon.

Canon®

Professional Motion Picture Division
10 Nevada Drive, Lake Success, N.Y. 11040 (516) 488-6700
123 East Paularino Avenue, Costa Mesa, Ca. 92626 (714) 979-6000
3245 American Drive, Mississauga, Ontario, Canada (416) 678-2730

Recortec, Inc.

777 Palomar Ave., Sunnyvale, CA 94086

Exhibiting: New hi-band portable U-format videocassette recorder capable of recording 10 min of hi-band video per each mini-cassette. Designated HBU-4400, it is the acquisition machine for the editing VTR model HRU-2860 which will also be exhibited.

Personnel: David Chang, Elden Corl, Bob Baker, Lester Lee, Ron Troxell, Tony Keng, Ed Bloom.

Research Technology, Inc.

4700 W. Chase Ave., Lincolnwood, IL 60646

Exhibiting: 16mm film previewing, editing, inspection, and cleaning equipment. Featured is the TV-120 editing console with Data-Film computer that gives printed reports of film timings, outtakes, and film condition. Previewer has 40-in² bright and virtually flicker-free image of entire frame. Ultrasonic film cleaners also are featured.

Personnel: Tom Boyle, Tom Tisch, Ray Short, Steve Little.

Rosco Laboratories, Inc.

36 Bush Ave., Port Chester, NY 10573

Exhibiting: Complete line of Cinegel, light control media and Roscolux line of heat stable special effects color filters for film and television.

Personnel: Mike Nichenke, Abraham Zwick, Stan Miller, Roger Zobel, Ned Bowman, Rosemary Schlotter, Mitchell Gottlieb.

RTS Systems

1100 W. Chestnut St., Burbank, CA 91506

Exhibiting: RTS Systems will be showing their advanced, high quality intercommunications equipment suitable for use in the most demanding professional situations in both fixed and portable broadcast. RTS will feature its new HPM-41 Microphone Mixer featuring four inputs with switchable attenuation, low cut filters, switchable limiters, micpower in two configurations and ac battery power.

Personnel: Doug Leighton, Ronald Fuller, Bob Seidenglanz, Oscar Wilson, Ken Gustafson.

Sennheiser Electronic Corp.

10 W. 37th St., New York, NY 10018

Exhibiting: Professional microphones and their accessories for the on-location and studio recording of film soundtracks. Music microphones for scoring stages. Wireless microphones for dialogue recording.

Personnel: Horst A. Ankermann, Cornelis Hofman.

Smith-Victor Corp.

301 N. Colfax, Griffith, IN 46319

Exhibiting: Professional lighting equipment, tripods, stands.

Personnel: Ron Smith, Kit Carson, Dick Arnold.

Sony Corp. of America

9 W. 57th St., New York, NY 10019

Exhibiting: The latest products for the broadcast and professional teleproduction marketplace. 1-in and 3/4-in video recorders and editing units, video cameras, accessories, tape and related products. Also, portable equipment for ENG application and use.

Personnel: Irwin Ungerleider.

Soremec-Eclair USA, Inc.

905 N. Cole Ave., Hollywood, CA 90038

Exhibiting: NPR 16mm motion-picture equipment; ACL 16mm motion-picture equipment; ACL 16mm motion-picture equipment (single system version).

Spin Physics, Inc.

3099 Science Park Rd., San Diego, CA 92121

Exhibiting: Complete refurbishment of quadruplex panels for Ampex, Mark X, and RCA high band panels. With use of high performance ferrite cores, head life increases by two to five times normal life expectancy.

Personnel: W. W. Heywood, G. E. Long, E. D. Franssens, E. Gehle, K. Thompson.

Steenbeck, Inc.

9045 Eton Ave., Suite A, Canoga Park, CA 91304

Exhibiting: Will be displaying an American manufactured ST-1901. Also on display will be the EBU time code system, the ST-1 recorder/reproducer for interlocking with editing equipment; the ST-921, 16mm, 2-picture/2-sound; an ST-901, 16mm; and the ST-1401C, 35mm, CinemaScope editors.

Personnel: Mrs. H. McCall, W. Base, Mr. Srohlica, G. Miller.

Strand Century, Inc.

20 Bushes Lane, Elmwood Park, NJ 07407

Exhibiting: Complete line of television and film lighting and control equipment, including the new Ianiro "Bambino" fresnels, HMI daylight source fresnels, Strand Century's Micro-Q memory lighting control system and light palette memory lighting control system.

Personnel: Keith Gillum, Betty Schneider, Harry Forman, Larry Nelson.

Super Eight Research Associates (SERA)

314 Victory Dr., Herndon, VA 22070

Exhibiting: Film editing consoles.

Personnel: Rick Minicucci, Mike DeFries.

Super8 Sound, Inc.

95 Harvey St., Cambridge, MA 02140

Exhibiting: Super8 Sound will present the 3.5 lb XSD IV crystal sync cassette recorder for all film formats. A professional super-8 production system will be on display: crystal controlled cameras and sync cassette recorders, Super8 Sound fullcoat recorders, vertical and flatbed editing tables. Super 8 produced video and film programs will be shown.

Personnel: Gunther G. Hoos, Patricia A. Maine.

Swintek Enterprises, Inc.

1180 Aster Ave., Bldg. J, Sunnyvale, CA 94086

Exhibiting: Swintek will display and demonstrate its all new 3 pack, with mixer for use by film or video sound recordist. The 3 pack is being offered in both dBs and standard FM receiver package. The Q receiver, full duplex wireless intercom, antenna diversity system, and the famous Swintek handheld will also be on display.

Personnel: William Swintek, Les Underwood, and the factory sales team will be there to answer all your questions.

Sylvania Lighting/GTE

100 Endicott St., Danvers, MA 01923

Exhibiting: Incandescent and tungsten halogen lamps for studio, stage and theater lighting.

Personnel: Robin Witt, Jr., Tom Holland, Mike Skerry, Paul Abrams, Sally Biondo, Nadine Romano.

Tektronix, Inc.

P.O. Box 500, Beaverton, OR 97077

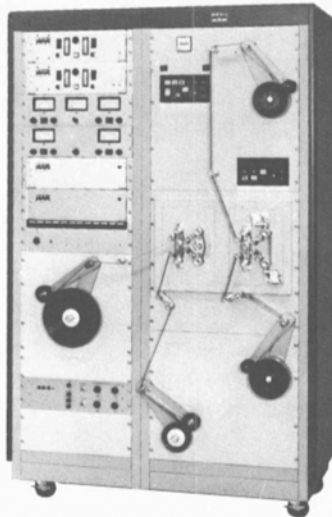
Exhibiting: Automatic measurement systems, television demodulators, waveform monitors, vectorscopes, picture monitors, sync and test signal generators, spectrum and sideband analyzers, logic analyzers, time domain reflectometers, oscilloscopes.

Personnel: Dunc Doane, Jim Harris, Larry Kaplan, Bill Montgomery, Cal Smith, Tom Long.

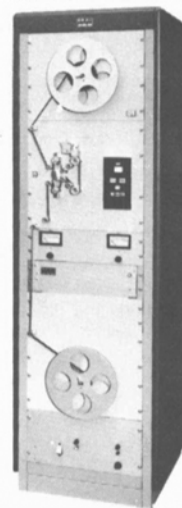


Magnetic and Optical Sound Systems

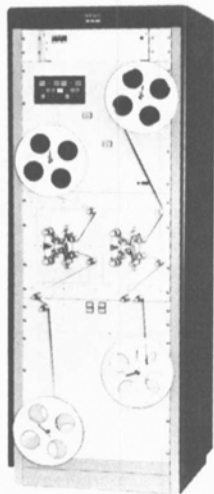
Including:
Our New 350-E Optical Electronics with Time Delay (GNR) and Cross Modulation Signal Unit



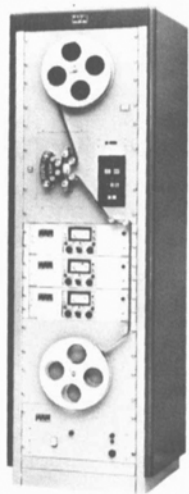
SUPER 8 TRANSFER SYSTEMS



SUPER 8 SOUND QUALITY MONITORING SYSTEMS



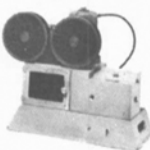
DUAL DUBBERS



PICK-UP RECORDERS



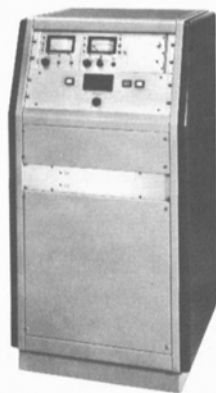
WRE-MAURER GALVANOMETERS



OPTICAL RECORDER TRANSPORTS



OPTICAL RECORD ELECTRONICS



OPTICAL SOUND RECORDER SYSTEMS

Complete Packages for Magnetic & Optical Recording

- Standard WRE dubbers and recorders are available in 16mm, 35mm, and combination 16mm/35mm versions. All units provide ease of operation and quality performance featuring advanced-design film transports and electronics.
- 6000 Series Pick-up Recorders feature silent selective head switching that eliminates noises, clicks or level changes when switching into and back out of record/erase mode. 16mm, 35mm or 16mm/35mm combination units.
- Model 600 Optical Sound Recorders and components provide the ultimate in professional 16mm optical sound recording. WRE-Maurer galvos, solid state electronics and transports available.
- Super 8 High Speed Sound Transfer Systems feature the preferred "on the drum" recording technique, 10 times real speed operation and high speed drop out detection electronics. From single strand to Quad Rank 35.
- As a companion to the Super 8 Transfer System, the Super 8 Sound Quality Monitor System is a dedicated unit for audio and meter monitoring of sound transfers before slitting. Single strand to Quad Rank 35.
- WRE also produces transfer units designed specifically for the S-8 and 16mm single system user.
- All WRE systems are designed and manufactured to give you the highest quality sound. You want a sound track to produce ALL the sound, with minimal noise and the least possible distortion. At WRE we are dedicated to providing equipment that meets your exacting requirements and quality standards.

Write for complete information on these products.



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West Coast Office: 1144 North Las Palmas Ave. • Hollywood, CA. 90038 • 213 462-7746

INTERNATIONAL REPRESENTATIVES

Hoei Sangyo Co., Ltd.—Nihonbashi Bldg., 4,
Kobunacho 2-Chome, Nihonbashi, CHUO-KU, Tokyo 103, Japan
G.T.C. Film-und Fernseh—Studiotechnik GmbH,
207 Ahrensburg, Rosenweg 7a, West Germany

ACCESSORIES:

- 3 Phase Interlock Distributor Systems and Motors.
- Also 1 Phase and Electronic Interlock Systems.
- Digital Footage Counters Including Automatic Looping.
- Bulk Tape Degaussers.



See us at SMPTE — Booth 439

Tele-Cine, Inc.

5434 Merrick Rd., Massapequa, NY 11758

Exhibiting: Schneider broadcast TV lenses and accessories lens rental and lens service facilities ENG lenses, EFP lenses, studio and field lenses.

Personnel: Bob Jones, Donald Collins, Craig Marcin, Ronald Cotty.

TeleMation, (Div. of Bell & Howell)

3485 W. 2100 South, Salt Lake City, UT 84119

Exhibiting: Mach One, digital VTR editing system; Compositor I, character generation system, with graphics compose, that allows user to enter in original artwork and custom logos, and animate the artwork; TCS-1, machine control system, for use in automation, may be manually or computer controlled for up to 100 VTRs, film chain islands, and TBCs.

Personnel: Clair Bello, Don Reynolds, Ginny Faison, Dave Quebbeman, Jim Kubit, Curtis Olson, Mike Richardson, Don Rhodes, John McArdle, Davisson Spindle.

Telescript, Inc.

20 Insley St., Demarest, NJ 07627

Exhibiting: Telescript's monitor prompting system (MPS) features 800-line resolution monitor/promoters; a 12.5mm f/1.8 lens covering a 1-in format for excellent resolution; beamsplitters coated on both sides; and our new contrast enhancer.

Personnel: Bob Swanson, Blair Julich, John Lennan, Angelo Prisco, Jerry Swanson, George Parodi.

Television Equipment Assoc.

Box 260, S. Salem, NY 10590

Exhibiting: Elcon Magnatek tape cleaner evaluator accommodates both 2-in and 1-in videotape. BCA 2 wire dynamic intercom system. Headsets for intercom and sportscaster applications. Matthey video delays, pulse delays, video filters, line selector, automatic video equalizer, color monitor comparator.

Personnel: Bill Pegler, Marilyn Pegler, Bill Walters, Marilyn Walters, Charles Michel, Dick Campbell.

Tentel Corp.

50 Curtner Ave., Campbell, CA 95008

Exhibiting: New product — (SHG) spindle height gauge for U-Matic video recorders, measures the tape spindle height to help prevent edge damage of U-Matic cassette tape. Tentelometer in-line tape tension gauges for measuring the critical holdback and take-up tensions on video and audio tape recorders, for tape interchange, wow and flutter.

Personnel: Wayne Graham, John Charers, Joan Kaye.

Thermodyne Int'l, Ltd.

12600 Yukon Ave., Hawthorne, CA 90250

Exhibiting: Shipping and handling cases for video and rack mount equipment.

Personnel: Walter C. Wolf, Frank Bucalo, Robert Kaplan, Davenia Wolf, Patty Lewis.

Thorn Lighting, Inc.

23 Leslie Court, Whippany, NJ 07981

Exhibiting: Studio lamps, CSI lamps and fixtures, and introducing the new 5600 K CID lamps.

Personnel: E. Brewer, R. Schoon, D. Lippman, P. Bleasby.

Toshiba Int'l Corp.

292 Gibraltar Dr., Suite B3, Sunnyvale, CA 94086

Exhibiting: Toshiba PK-31A, automatic studio color television camera that employs a microprocessor to accomplish automatic size, centering, linearity, white balance, black balance, gamma and flare. Toshiba PK-39 modular self-contained portable broadcast television camera. Toshiba FPC-10, a complete audio/video field production console weighing just 77 lb.

Personnel: Ron Fried, Arie Landrum, Bud Schneider, Dennis Cookinham.

Twenty-Fourth Frame

303 Depot St., N.W., P.O. Box 2167, Christianburg, VA 24073

Exhibiting: Motion-picture equipment and 8-plate, 2-picture, 3-sound motion-picture film editing console manufactured by Twenty-Fourth Frame. Pitch correction, which maintains normally pitched voice from 12 to 60 fps and electronic digital counter will be featured. The consoles are available in 35mm and 16mm.

Personnel: Ike Jeanes, Rick Armstrong, Ken Owens.

Videomedia, Inc.

250 N. Wolfe Rd., Sunnyvale, CA 94086

Exhibiting: Z6-computerized microprocessor editing system. Mini Z-control track editing version of the Z6 family with "Micro-Loc" as an option.

Personnel: Bill Stickney, Hank Wilks, Richard Dorsa, Herb Kneiss, Keith Y. Reynolds, Dahlia D. Ouellette.

Vital Industries, Inc.

3700 NE 53rd Ave., Gainesville, FL 32601

Exhibiting: Squeezoom and switchers.

Personnel: Barry Holland, Gordon Peters, Bob McCall.

Westrex

2629 W. Olive Ave., Burbank CA 91505

Exhibiting: Westrex Series 9000 photographic recording system, with solid state electronics, anticipatory noise reduction and multichannel capability; Westrex ST-6101 35mm magnetic high speed recorder/reproducer (up to 10x slew in interlock), DC servo motor drive and spool handling, ultra-rapid run-up, run-down and reverse and time code interface.

Personnel: P. J. Buck, F. E. Pontius, R. A. Bushnell.

Wide Range Electronics Corp.

2119 Schuetz Rd., St. Louis, MO 63141

Exhibiting: Microprocessor based looping system, microprocessor based servo motor controlled film recorder and dubber, optical galvanometers, magnetic degaussers.

Personnel: Otto Rauhut, Charlie Fox, Bruce Scott.

The Winsted Corp.

8127 Pleasant Ave., Minneapolis, MN 55420

Exhibiting: Editing consoles for 3/4-in and 1-in formats, production consoles, space saving videotape and film storage systems, dubbing racks and post-production consoles, videotape/film trucks, portable production consoles.

Personnel: Jerry Hoska, Greg Hedlund, Chuck Johnson.