

The 117th Conference & Equipment Exhibit

Century Plaza Hotel, Los Angeles

September 28-October 3, 1975



From left to right, Conference Vice President Harry Teitelbaum, Editorial Vice President Gerald G. Graham, Program

Chairman Julian Hopkinson, Arrangements Chairman Robert Gustafson, and Exhibit Chairman Warren Strang.

The 117th SMPTE Conference was assured of success when the chairmen appointments were made a year ago by Conference Vice President **Harry Teitelbaum**, Hollywood Film Co., and Editorial Vice President **Gerald G. Graham**, National Film Board of Canada. Experience has proven significant in arranging meetings of the scope of this one, and the SMPTE Conference has an extremely experienced group working on it.

Program Chairman **Julian Hopkinson**, Agfa-Gevaert, first served as Associate Program Chairman at the last Los Angeles Conference in 1974. What he learned then has aided him greatly now. The papers program, which appears in later pages of this section, demonstrates his careful planning and knowledge of what's important in the motion-picture and television industries today.

Arrangements Chairman **Robert Gustafson**, Consolidated Film Industries, held the same post at the last Los Angeles Conference. The arrangements made by him, and the committee under him, insure that the 117th Conference will run smoothly and that everyone attending will consider this a very worthwhile and enjoyable meeting.

Exhibit Chairman **Warren Strang**, Hollywood Film Co., has been Exhibit Chairman for every Los Angeles Conference since 1965. Each time he does an exceptional job. But for this Conference, he really outdid himself. This will be the largest SMPTE Exhibit ever, with more than 130 booths of equipment on display with participation of more than 75 companies.

In addition to the excellent papers program and equipment exhibit, there are other activities that will make Conference week a memorable one. There's the Sunday evening party sponsored by Eastman Kodak, the Monday Get-Together Luncheon (with free tickets to weekly and Monday registrants, courtesy of Agfa-Gevaert), a Tuesday evening open house at the plant of Cinema Products Corp., the Wednesday evening Cocktail Party and Banquet, and a full week of activities for spouses.

Equipment Exhibit

The 117th Conference Equipment Exhibit will be the largest and most comprehensive the SMPTE has ever held. A record number of exhibitors has signed up for Exhibit space and the strong exhibitor participation has required the expansion of the exhibit from one room to three. The types of equipment that will be on display include film and video cameras, sound equipment, lighting equipment, editing equipment, lenses, laboratory equipment, projection equipment, and television equipment. Official opening of the Exhibit is 5:00 p.m. Monday, Sept. 29 with the

Exhibitors' Open House. Refreshments will be served. All conference registrants and holders of exhibit passes are invited.

Spouses Program

Spouses attending the Conference are in for a great week of fun. Spouses Committee Chairlady **Bea Hopkinson** and Spouses Committee Co-Chairlady **Doris Scobey** have planned a schedule of events that will make Conference week memorable and enjoyable. On Monday there will be a lecture on Fascinating Womanhood by Marilyn Mead in the morning and a complimentary tour of Universal Studios in the afternoon. A visit to the Japanese Gardens in Bel Air is set for Tuesday morning, followed by lunch in the Ship Room of the Sheraton Hotel. The afternoon features a bus tour of the stately homes from San Marino to Huntington Estate. A Lecture on Astrology by Alice Reichard highlights Wednesday's activities. Later, there will be Bingo and Bridge in the Spouses Lounge, with an optional trip in the afternoon. On Thursday there will be a drive to Ojai in Ventura Hills with a visit to the home and studio of Beato, a famous pottery artist. Lunch will be at the Ojai Inn and Country Club, followed by a scenic drive via Lake Casitas to Santa Barbara or Solvang. Friday will feature a bus trip to Newport Beach Marina with an optional boatride around the harbor to view movie-star homes. Lunch will be at the Cannary Restaurant.

Get-Together Luncheon

The 117th Conference will officially get underway on Monday, September 29, with the traditional SMPTE Get-Together Luncheon. Guest Speaker at this luncheon will be the President of the Motion Picture Association of America, **Jack Valenti**. In addition, 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 registrants (including spouses) and daily registrants for Monday will receive a free ticket to the luncheon, compliments of Agfa-Gevaert.

SMPTE Banquet

On Wednesday evening, October 1, the SMPTE will hold its Cocktail Party, Banquet and Dance in the Los Angeles Ballroom of the Century Plaza Hotel. Cocktails, dinner, dancing, and top-notch entertainment will make this evening a memorable one. Companies wishing to reserve tables at the Banquet should get in touch with **Jack Leahy**, RCA, 2700 W. Olive Ave., Burbank, Calif. 91505. Tables, which are in limited supply, will be reserved on a first come, first served basis. The Cocktail Party preceding the Banquet will be sponsored by the Professional Equipment Division of **Bell & Howell Co.**; the music at the Banquet will be sponsored by **Treise Engineering Co.**; and the entertainment for the Banquet will be sponsored by **PSC Technology Inc.** (formerly Producers Service Corp.).

Advance Registration

Please register early for the SMPTE Conference to save time when arriving. Use the advance registration form you received by mail. Mail the complete form with payment to SMPTE, 862 Scarsdale Ave., Scarsdale, N.Y. 10583. Badges and tickets will be waiting for registrants at the Registration Desk.

Registration Rates

Member Weekly	\$75.00
Nonmember Weekly	90.00
Spouses Weekly	10.00
Student Member	Free
Student Nonmember	5.00
Member Daily	25.00
Nonmember Daily	30.00
Mini-Conference (only)	5.00
Get-Together Luncheon	9.00
Banquet	25.00

Please Note: All weekly registrants (including spouses) and daily registrants for Monday, will receive a free Get-Together Luncheon Ticket, compliments of Agfa-Gevaert. If you register for the week or for Monday, do not send payment for the luncheon.

Cassettes

Each paper on the program will be recorded and made into an audio cassette to be sold at the Conference. Price of each cassette will be \$5.00.

Committee Meetings

SMPTE Engineering Committees will meet during the 117th 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.

Program Outline

Sunday, September 28

Registration, *afternoon*
Entertainment, *evening*

Monday, September 29

Laboratory Practices, *morning*
Get-Together Luncheon, *noon*
Theater and Projection Practices, *afternoon*
Laboratory Practices, *afternoon*
Opening of Equipment Exhibit, *evening*

Tuesday, September 30

Laboratory Practices, *morning*
Unconventional Image Forming and Holographic Techniques, *morning*
Pollution Control Systems, *afternoon*
Symposium on Tape and Print Piracy, *afternoon*
Mini-Conference I, *evening*
Open House, *evening*

Wednesday, October 1

Motion-Picture Production Techniques and Photoscience, *morning and afternoon*
Plant and Industrial Engineering, *morning*
Sound Systems, *afternoon*
Cocktail Party, Banquet and Dance, *evening*

Thursday, October 2

News Gathering for TV, *morning*
Lighting and Photoinstrumentation Techniques, *morning*
Television Practices, *afternoon*
Mini-Conference II, *evening*

Friday, October 3

Television Practices, *morning and afternoon*
"Hands-On" Equipment Demonstration, *morning*

Hotel & Motel Reservations

A postage-paid reservation card that has been sent to all members, should be used to reserve accommodations at the Century Plaza Hotel. If you wish to receive the special reduced rates, make your room reservations early because there is a limit to the number of rooms at the special rates. Rooms at the Century Plaza are being held for SMPTE registrants only until Sept. 14.

Hotel Rates

Single	\$33.00	\$41.00	\$47.00
Twin or Double	43.00	51.00	57.00

For those who do not wish to stay at the Century Plaza, the SMPTE has made arrangements at several motels near the Century Plaza to hold rooms especially for SMPTE Conference registrants. All of the following motels are no more than one mile from the Century Plaza. If you wish to stay at one of these motels, write to them immediately. Be sure to specify that your stay will be in connection with the SMPTE Conference.

Los Angeles West Travelodge 10740 Santa Monica Blvd. Phone: (213) 474-4576 Rates: \$16 (Single) 21 (Double) 20 (Twin)	Del Capri Hotel 10587 Wilshire Blvd. Phone: (213) 474-3511 Rates: \$18.00 (Single) 22.00 (Twin) 24-31 (2-room suite single) 28-35 (2-room suite twin)
Beverly Hillcrest 1224 S. Beverwil Dr. Phone: (213) 277-2800 Rates: \$31-38 (Single) 36-44 (Double)	Royal Westwood Motel 2352 Westwood Blvd. Phone: (213) 475-4551 Rates: \$16 (Single) 18-20 (Double)
Beverly Crest 125 S. Spaulding Phone: (213) 274-6801 Rates: \$20-23 (Single) 25-28 (Double) (\$5.00 for extra bed)	Cavalier Motel 10724 Wilshire Blvd. Phone: (213) 474-4561 Rates: \$18-31 (Single) 21-34 (Twin)

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 about \$11.00. An airport limousine is \$1.70. Limousine service leaving from buildings #2 and #7 from the airport to the hotel is available on the following schedule.

Bldg. #2		Bldg. #7	
6:00 a.m.	3:10 p.m.	6:05 a.m.	3:20 p.m.
7:40 a.m.	5:10 p.m.	7:50 a.m.	5:20 p.m.
9:25 a.m.	7:30 p.m.	9:35 a.m.	7:40 p.m.
11:50 a.m.	9:30 p.m.	12:00 noon	9:40 p.m.
1:40 p.m.		1:50 p.m.	

Coffee Club

The Coffee Club at the 117th Conference will be open Monday through Friday and will be sponsored by the Philip A. Hunt Chemical Corporation.

Sponsored Social Events

Eastman Kodak Co. will sponsor an evening of food and entertainment on Sunday, September 28. The location and theme of the "happening" will be announced in the Conference Program. Cinema Products Corp. will have an Open House at their plant on Tuesday evening, September 30. Details will be announced in the Conference Program.

Message Center

A message center will be set up in the registration area of the Conference to accept messages for those attending the Conference. The message center, which is provided and staffed by the Pacific Telephone and Telegraph Co., will be open from Monday through Thursday, 8:00 a.m. to 5:00 p.m., and on Friday, 8:00 a.m. to noon. The number of the direct line, which will be available for incoming calls only, is 213-277-1890.

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Advance Program

This Program contains the most accurate and complete information possible at publication time, listing papers within each individual session. Although the sessions as described here are firm, some papers may be omitted or rearranged before the Conference. Any inquiries about specific papers or sessions should be addressed to Society Headquarters, Att: 117th Conference—Lynne Robinson, Conference Programs Secretary, (914) 472-6606; or Program Chairman Julian Hopkinson, Agfa-Gevaert, Inc., 1025 Grand Central Ave., Glendale, CA 91201, (213) 246-8141. 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, September 28, 1975

REGISTRATION (from 12:00 noon)

ENTERTAINMENT (evening)

Courtesy of Eastman Kodak Co.

MONDAY MORNING, September 29

LABORATORY PRACTICES

A Versatile Printer Control System

Charles J. Watson, *Bell & Howell Co., Chicago, Ill.*

Technicolor's Process Control Computer, Phase I: The System for Computerized Printer Lights

Mary R. Horner and Martin V. Smith, *Technicolor, Inc., Hollywood, Calif.*

Computer Surveillance of Film Printing — Phase II

Howard Ted La Zare and Edward H. Reichard, *Consolidated Film Industries, Hollywood, Calif.*

Hand-Operated Film Lubrication Machine

Robert P. Pardee and Jack L. Deitrick, *Ball Brothers Research Corp., Boulder, Colo.*

What is Wrong With the Frame-Count Cueing System?

Hans Chr. Wohlrab, *Consultant, Hollywood, Calif.*

GET-TOGETHER LUNCHEON (noon)

Guest Speaker: Jack Valenti

Presentation of SMPTE Awards

MONDAY AFTERNOON

LABORATORY PRACTICES

(Concurrent with Theater and Projection Practices)

A New Color Process for Titles and Artwork Using a Modified Aerial-Image System

Eric T. Amies, *ETA Productions, Vancouver, Washington*

Motion-Picture Techniques for a Unique Film Strip Format

Hans F. Napfel and Lee H. Schank, *Fairchild Industrial Products, Commack, N.Y.*

An Improved Densitometer for Motion-Picture Use

W. J. McGarrigle, *Brumac Industries, Huntington Beach, Calif.*

Pictorial Density, A Different Kind of Density Measurement

John R. Wolber, *Consolidated Film Industries, Inc., Hollywood, Calif.*

Production of Magnetic Soundtracks on Super-8 Release Prints

David L. Carr, *Eastman Kodak Co., Rochester, N.Y.*

The Optimum Carrier Frequency for Cross-Modulation Tests

Ronald E. Uhlig, *Eastman Kodak Co., Rochester, N.Y.*

THEATER AND PROJECTION PRACTICES

(Concurrent with Laboratory Practices)

Facing the Responsibility for Film Damage

Frank McBryde, *Local 150, I.A.T.S.E., Hollywood, Calif.*

The Reflective Hollogon: A Film-Projection System for Super 8, 16mm and 35mm, Consisting of Only One Rotating Part

Ulrich M. Fritzler, *Hollogon Optical Systems Corp., New York*

Screen Image Quality in the Mini-Multi Theater

Glenn M. Berggren, *Kollmorgen Cinema and Lighting Div., Atlanta, Ga.*

Recent New Projector Designs for the Mini-Multi Theater

Glenn M. Berggren, *Kollmorgen Cinema and Lighting Div., Atlanta, Ga.*

Non-Intermittent, High-Efficiency Motion-Picture Projection and Recording

Gerhard Lessman, *International Audio Visual and Standard Projector Co., Van Nuys, Calif.*

OPENING OF EQUIPMENT EXHIBIT (Evening)

TUESDAY MORNING, September 30

UNCONVENTIONAL IMAGE FORMING & HOLOGRAPHIC TECHNIQUES

(Concurrent with Laboratory Practices)

Holographic Diagnostics for the LLL Laser/Fusion Program

David Attwood, *Univ. of California, Livermore, Calif.*

The Use of Holography in Conservation, Preservation, and Historical Recording of Art

Darrell Westlake, Ralph F. Wuerker and John F. Asmus, *Univ. of California at San Diego, La Jolla, Calif.*

Operational Aspects of the SynthaVision Process

Phillip S. Mittelman and Robert Goldstein, *Mathematical Applications Group, Inc., Elmsford, N.Y.*

LABORATORY PRACTICES

(Concurrent with Unconventional Image Forming and Holographic Techniques)

A Special-Purpose Optical Reduction Printer

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

An Interchangeable-Format Continuous-Contact "Total-Immersion" Wet Printer

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

Reflections on the Optics of Wet Printing

Joseph W. Schmit, *Technicolor, Inc., N. Hollywood, Calif.*

Optical Printer Modernization Program at Technicolor

Joseph W. Schmit and William F. Ward, *Technicolor, Inc., N. Hollywood, Calif.*

Optical Printing with a Light Source That Removes Film Scratches

Harold A. Scheib, *Research Products, Inc., Hollywood, Calif.*

Wet Printing of Motion-Picture Films by Means of Liquid Application on a Variable-Speed Step-Optical Printer

Walter Hrastnik, *Bell & Howell Co., Chicago, Ill.*

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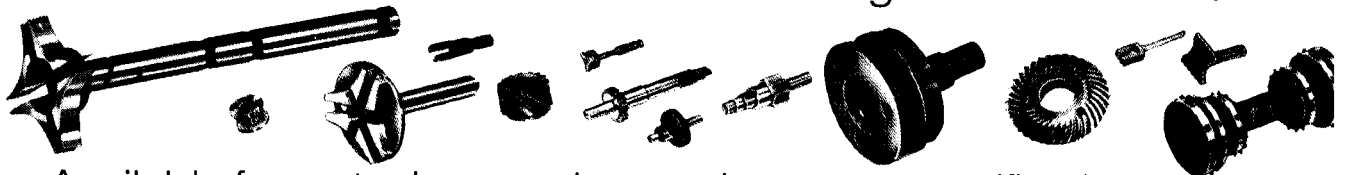
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TUESDAY AFTERNOON

POLLUTION CONTROL SYSTEMS

(Concurrent with Symposium on Print and Tape Piracy)

Color Film Processing and Environment Protection

Gerard Vanreusel, M. de Ramaix and R. Vanhorebeek, *Agfa-Gevaert, Belgium*

Removal of Metals from Photographic Effluent by Sodium Sulfide Precipitation

Robert La Perle, *Eastman Kodak Co., Rochester, N.Y.*

Effluent Sampling and Flow Measurement for the Photo Processor

Frank Ericson, *Eastman Kodak Co., Rochester, N.Y.*

Regeneration and Disposal of Photographic Processing Solutions Containing Hexacyanoferrate

Austin C. Cooley, *Eastman Kodak Co., Rochester, N.Y.*

SYMPOSIUM ON TAPE AND PRINT PIRACY

(Concurrent with Pollution Control Systems)

Thousands of new and old motion pictures and television programs are illegally copied and distributed world wide every year. This situation creates a huge dollar loss in box-office returns to producers and advertisers which adversely affects all facets of the motion-picture and television industries. This is known as print piracy. Numerous incidents of acts such as these have recently been investigated and have received intensive press coverage. A panel of experts from several of the major studios, two laboratories and enforcement agencies will discuss and answer questions on this vital subject.

TUESDAY EVENING

MINI-CONFERENCE I

How Color Photography Works

Sidney P. Solow, *Consolidated Film Industries, Hollywood, Calif.*

Video and Film: Specialized Services

S. Bryan Hickox, *Production Services, Los Angeles, Calif.*

The Film Industry in the Peoples Republic of China

D. Kennedy, *Film Australia, Lindfield, Australia*

WEDNESDAY MORNING, October 1

PLANT AND INDUSTRIAL ENGINEERING

(Concurrent with Motion-Picture Production Techniques and Photoscience)

Cost-Efficient Design of Mechanical Systems for Film Laboratories

James A. Knowles, *James A. Knowles & Associates, Inc., Los Angeles, Calif.*

Management of Process Chemical Facilities

Robert F. Allaire, *Technicolor, Inc., N. Hollywood, Calif.*

The Industrial Engineer and Plant Design

Charles F. Fity, *Collins Food International, Inc., Los Angeles, Calif.*

How to Manage a Plant Relocation

Denis Cobb, *Technicolor, Inc., N. Hollywood, Calif.*

The Impact of Fresh Thinking on Laboratory Facilities Design

Michael A. Lanni, *Technicolor, Inc., N. Hollywood, Calif.*

MOTION-PICTURE PRODUCTION TECHNIQUES AND PHOTOSCIENCE

(Concurrent with Plant and Industrial Engineering)

"Astrovision" High-Speed Jet Cinematography

Ernst F. Nettman, *Astrovision, Inc., Van Nuys, Calif.*

The Hedderich 3-D 16mm System

Michael Hedderich, *Hedderich Motion Picture Enterprises, Inc., Salt Lake City, Utah*

Digital Information Storage and Retrieval for Multi-Camera Random Filming, Using Rental Motion-Picture Cameras

Michael J. Strong, *World Wide Pictures, Burbank, Calif.*

Inception of the Hydro-Ped

Chadwell O'Connor, *O'Connor Engineering Laboratories, Inc., Costa Mesa, Calif.*

WEDNESDAY AFTERNOON

SOUND SYSTEMS

(Concurrent with Motion-Picture Production Techniques and Photoscience)

An Effective Dynamic Range for Audio Recording and Reproduction

Percy M. Hollingsworth, *Startronic Electronics Inc., Hollywood, Calif.*

The Relative Output of Optical Soundtracks

J. Dexter Clifford and Joseph J. Charles, *Eastman Kodak Co., Rochester, N.Y.*

Quintaphonic Sound

John Mosely, *Consultant, London, England*

Fluorescent Optical Soundtracks Superimposed Over the Photographic Image Space

Peter Custer, *Newtown, Pa.*

The Ultimate Simplification of Synchronous Sound Recording

Ronald R. Cogswell, *Nagra Magnetic Recorders, Inc., Hollywood, Calif.*

MOTION-PICTURE PRODUCTION TECHNIQUES AND PHOTOSCIENCE

(Concurrent with Sound Systems)

The Future is Now

S. Richard DiBona, *General Camera Corp., New York*

High-Speed Lenses Specifically Designed for Motion-Picture Use

Joachim Kaemmerer, *Carl Zeiss, Oberkochen, W. Germany* and Volker W. Bahnemann, *Arriflex Co. of America, Woodside, N.Y.*

Super-8 Sync Production/Post Production

Stephen R. E. Aubery, *Brigham Young University, Provo, Utah*

Audience Impact with a Simple 3-D System

Winton C. Hoch, *Archer Associates, Santa Monica, Calif.*

WEDNESDAY EVENING

Cocktail Party, Banquet and Dance

THURSDAY MORNING, October 2

NEWS GATHERING FOR TELEVISION

(Concurrent with Lighting and Photoinstrumentation Techniques)

The Growth of Electronic News Gathering

Joseph A. Flaherty, *CBS, Inc., New York*

The Gathering of Television News

John D. Silva, *Golden West Broadcasters, Los Angeles, Calif.*

A Small Portable TV Camera for Electronic News Gathering

A. H. Lind, *RCA Corp., Camden, N.J.*

Two Kinds of 16mm Fujicolor Reversal Film

Makoto Hara, *Fuji Photo Film Co., Ltd. Kanagawa, Japan*

Technological Implications of Film in a News Environment: A Status Report

E. V. Knutsen, R. T. Scott and H. T. Sweeney, *Eastman Kodak Co., Rochester, N.Y.*

News Film Camera vs News Video Camera: Advantage and Disadvantage of Each

T. Earle Stevens, *KABC-TV, Hollywood, Calif.*

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LIGHTING AND PHOTOINSTRUMENTATION TECHNIQUES

(Concurrent with News Gathering for TV)

- A New Direct-Reading Three-Color Meter
Richard A. Walker and James K. Branch, *Photo Research Div. of Kollmorgen Corp., Burbank, Calif.*
- A System to Obtain Flicker-Free Pictures With Metal Halide Lamps for Film Production
Jean Galerne, *L.T.M., Courbevoie, France*
- The Adaptation of School Stages for Media Studio Use
Stanley J. Kravontka, *Board of Education, N.Y.*

THURSDAY AFTERNOON

TELEVISION PRACTICES I

- Film Is Different
John Lant, *Canadian Broadcasting Corp., Toronto, Ontario*
- Evaluation of Color Rendering in Film for Television
LeRoy DeMarsh, *Eastman Kodak Co., Rochester, N.Y.*
- Matching Telecine and Direct-Projection Tone Scale of Color Films
Richard E. Bartow, Robert C. Lovick, Woodlief Thomas, Jr., *Eastman Kodak Co., Rochester, N.Y.*
- New Concepts in Newsfilm and TV Remote Lighting Systems
Thomas M. Lemons, *TLA-Lighting Consultants, Inc., Salem, Mass.* and Gideon Fiat, *ABC-TV News, N.Y.*

THURSDAY EVENING

MINI CONFERENCE II

- Tutorial papers to be given by:
Ralph Wuerker on Holography;
Frank E. Pontius, Petro Vlahos and John Frayne on Sound;
Robert Ringer and others on TV and Tape Transfer

FRIDAY MORNING, OCTOBER 3

TELEVISION PRACTICES

(Concurrent with "Hands-On" Equipment Demonstration)

- A Time-Code Synchronization System for Video, Film and Audio Tape Recorders
Norman T. Prisament and Robert W. Eberenz, *Magna-Tech Electronic Co., Inc., New York*

ASCII-Compatible Time-Code System Using Micro-Computers

- Robert L. White, *Inner Space Systems, Inc., Deerfield, Wis.*
- A Y-I-Q VTR Signal System
Yves Faroudja and Louis Pourciau, *Television Research International, Inc., Mt. View, Calif.*
- Frame-Accurate Editing on the U-Matic Format
David Harbert, David Farey and Louis Pourciau, *Television Research International, Inc., Mt. View, Calif.*
- A Television Frame Indexing System
John Babel and Louis Pourciau, *Television Research International, Inc., Mt. View, Calif.*
- Microcomputer Control of TV Audio Editing System
George R. Swetland, *Electronic Engineering Co. of Calif., Santa Ana, Calif.*

HANDS-ON EQUIPMENT DEMONSTRATION

(Concurrent with Television Practices)

A "hands-on" equipment demonstration will feature well known cinematographers and other production experts who will lecture on and demonstrate how movies are made. The newest and most advanced equipment will be used. The session is scheduled to be held on a soundstage at the 20th Century-Fox Studios, which is directly behind the Century Plaza Hotel. Actual sets will be used and a full staff of support crew will be on hand. Persons attending the session will be able to discuss filmmaking with these top-notch professionals, and to handle all the equipment. The session is being run by the Professional Motion Picture Equipment Association (PMPEA).

FRIDAY AFTERNOON

TELEVISION PRACTICES

- A Portable CCU for the TKP-45
W. J. Cosgrove and L. J. Thorpe, *RCA Corp., Camden, N.J.*
- Sub-Nyquist-Encoded PCM NTSC Color TV
John P. Rossi, *CBS Technology Center, Stamford, Conn.*
- Format Requirements for an NTSC Type Videodisc System
Ray Dakin, *MCA Disco-Vision, Inc., Torrance, Calif.*
- Computerized Film and Tape Library
John Lundberg, Jon Hicks and George Birdwell, *Ambassador College, Pasadena, Calif.*
- An Overview of Videodisc Technology: Some Possible Influences on Media Management in the Near Future
H. Jerry Bradshaw, *Brigham Young University, Provo, Utah*
- Interactive Video Disc Systems for Education
Junius L. Bennion, *Brigham Young University, Provo, Utah*
- New Concept in Mobile Television Production
John Lundberg, *Ambassador College, Pasadena, Calif.*

Exhibit Directory

Exhibit Schedule

Monday, Sept. 29	5:00 p.m. to 8:00 p.m.
Tuesday, Sept. 30	11:00 a.m. to 8:00 p.m.
Wednesday, Oct. 1	9:30 a.m. to 4:00 p.m.
Thursday, Oct. 2	11:00 a.m. to 6:00 p.m.

The Allen Products Co. Booths 223, 224, 225
180 Wampus Lane, Milford, CT 06460

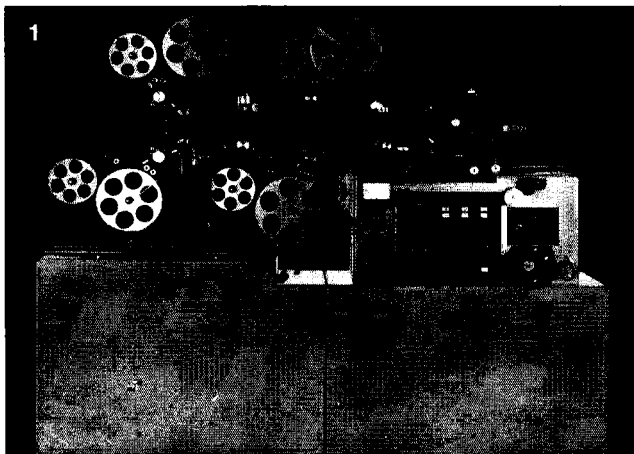
Exhibiting: EC 345 processor. 1) ME4/EC03 combination processor with separate development tanks. 2) 16mm. 3) 45 ft per minute. 4) Forced processing 2 f/stops. ME4 or EC03. 5) Each solution individually temperature-controlled. 6) Silver soundtrack systems. 7) Digital solution display. 8) ATS drive system. Besides the processor Allen Products will supply their new rack for submerged roller processing. Also processing accessory items will be shown.

Personnel: Bob Stills, Ron Bailer, Jeff Must, Byron Miller, Charles Cripps, Paul McNamara

Arriflex Co. of America Booths 21, 22
25-20 Brooklyn-Queens Expwy. (West),
Woodside, NY 11377

Exhibiting: The world's first symmetrical, silent 16mm camera, the Arriflex 16SR. The 16SR incorporates many unique features within its compact design, including a revolutionary front exit viewing system and adjustable handgrips that allow for ease of operation on either shoulder. Other outstanding features of the 16SR are: a completely automatic professional calibre exposure system, instant change coaxial magazines, an integral multifaceted motor that runs at both crystal and variable speeds, an automatic shutter stopping device for uninterrupted viewing, a self-contained on-board battery, and a positive pin-registered movement. The Arriflex 16SR effectively advances the state-of-the-art in 16mm camera design and technology with many new and exciting innovations. Our Academy Award Winning Arriflex 35BL camera will be shown with its complement of four Zeiss Super Speed T1.4 lenses and 1000-ft magazines. One of the most popular professional production tools today, the 35BL will also be presented with a new finder extension. The finder extension allows for greater comfort and ease of operation when the camera

Exhibiting 1, 2, 3, 5 and 6
Booths 50-51
 SMPTE CONFERENCE

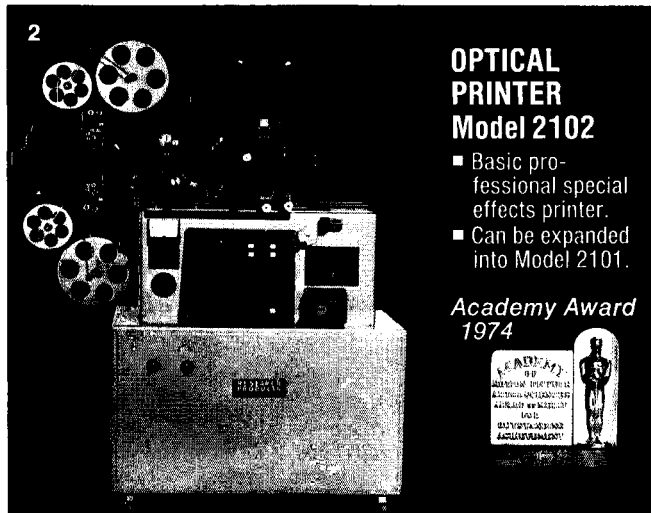


AERIAL IMAGE OPTICAL PRINTER, Model 2101

NEW! RPI proven Camera Zoom available also for aerial image!

- Proven 5 years, electronic "PhotoTron" drive!
- Log/linear dissolve and fade.
- The printer favored by Hollywood's major studios for special effects.

Academy Award
1974



**OPTICAL PRINTER
 Model 2102**

- Basic professional special effects printer.
- Can be expanded into Model 2101.

Academy Award
1974

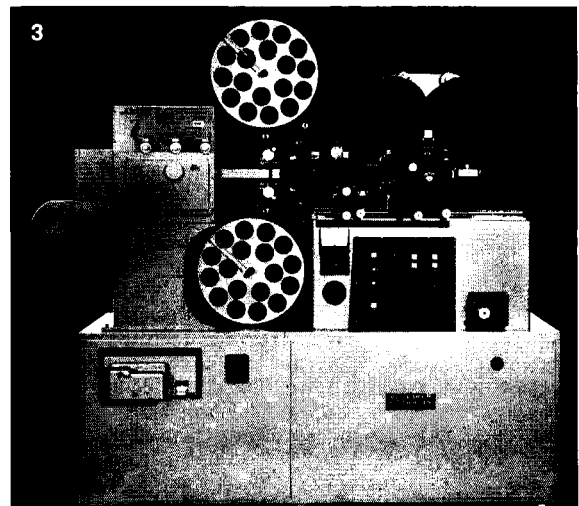


the foremost family of four... is now six!

5... a **NEW** low cost 16mm animation/optical printer for laboratories, TV stations, in-plant producers and universities. It features RPI camera and projector heads with registration movements, a scratch removal light source, and art work aerial image board.

6... a **NEW** electronic 35mm table top viewing projector featuring variable speed, slew, and quiet operation.

For complete information—write, telephone or cable Research Products, Inc., 6860 Lexington Ave., Hollywood, CA 90038, USA; Telephone: 213-461-3733; Cable: RESEARCH. *New York and Eastern Seaboard Sales-Service*—Edward Willette, president, Photographic Equipment Service, Inc., 695 Main St., New Rochelle, NY 10801; Telephone: 914-235-2720.

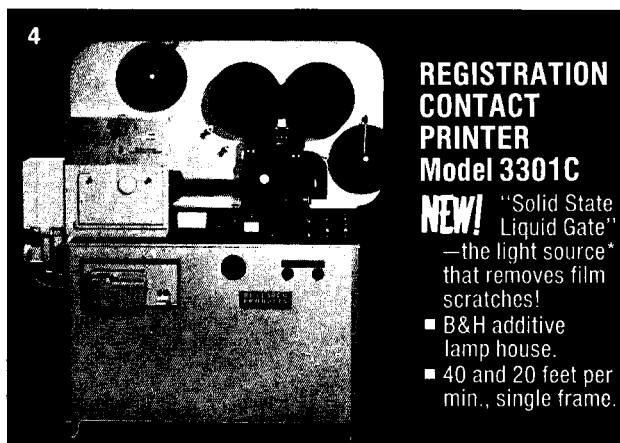


OPTICAL PRINTER, Model 2103C

NEW! "Solid State Liquid Gate"—the light source* that removes film scratches!

- B&H additive lamp house.
- Basic laboratory printer for film format conversion.

Academy
Award
Winner
1971



**REGISTRATION
 CONTACT
 PRINTER
 Model 3301C**

NEW! "Solid State Liquid Gate"—the light source* that removes film scratches!

- B&H additive lamp house.
- 40 and 20 feet per min., single frame.

*U.S. Patent No. 3,367,299.
 Other Patents Pending.

In world-wide use... Sweden, Italy, Japan, Hong Kong, China, Turkey, India, Canada, Mexico, Brazil and U.S.A.

is used on a tripod or geared head. Also on display will be the complete line of 16 and 35mm cameras including the venerable 16S and 35 2C — industry standards for many years. A new accessory for the 16S — the APEC professional exposure control system — will be shown for the first time. The APEC system puts professional exposure control within the grasp of thousands of existing 16S owners. Also on display will be the Arriflex 16BL, Sonorex Interlock projector and Arrivox Tandberg recorder. We will, as usual, also have a few surprises.

Personnel: Paul Klingenstein, Volker Bahnemann, Wilbur Russell, Bob Arnold, Horst Bergmann

Bardwell & McAlister, Inc. Booth 89
7051 Santa Monica Blvd., Hollywood, CA 90038

Exhibiting: Slimline II, Mini-Mac 650, Mini-Mac 1000, Mini-Set 1000, Zip-Lite, Tiny-Mac, Baby Keg-Lite, 2Kw Jr. spotlight, 5Kw Sr. spotlight, 10Kw spotlight, clipstrip, Brite-Eye 650, channel leg stands, multi-purpose stands, heavy duty folding stands, heavy duty multi-purpose braced stands, Lift-A-Lite crank up stands & assorted grip & gaffer accessories. *Note:* Above items are made by Bardwell & McAlister, Inc. manufacturing division of F&B/Ceco Industries.

Personnel: Chuck Francis, Sharon Evans, Phil Dewald, Frank Blaha

Belden Communications, Inc. Booths 85, 86, 87
P.O. Box 92, Radio City Station, New York, NY 10019

Exhibiting: The Aäton 7 by Aäton-Beauviala, the most advanced 16mm camera available today. The Aäton 7 is the most balanced camera for the cameraman of today. It offers instant rushes with its unobtrusive videotape which comes standard. We are also showing a new development in the lighting field, a CSI (compact source iodide) lamp that is the coolest burning and throws off light that is comparable to lamps five to ten times the CSI size and wattage. These lamps are manufactured by Lee Electric Enterprises Ltd. We have also added the Lee Filter line of gels. Because of the quality control, Lee gels offer the consistency that has been missing for years. A polyester base which makes them heat retardant and optically clear. They offer both color effect and color correction gels. They do not tear or get brittle.

Personnel: Michael Sheppard, Jacqueline Sheppard, Jean Pierre Beauviala, John Lee, Benny Lee, David Holmes, Bob Jeffs

Bell & Howell Co., Professional Equipment Div. Booths 12, 13, 14
7100 McCormick Rd., Chicago, IL 60645

Exhibiting: Model "CL" automatic additive color film printer with new printer control unit (a tape reader with internal system for single tape control of color program and scene length without need for notching or patching negative). External model also available for dual tape control for use with existing readers. Bell & Howell/Seiki high-speed step-optical additive color printer with wet printing system and new frame count cuer. Bell & Howell additive color panel printer for high-speed release printing with new Bell & Howell manual light valves. Rotex solution control and silver recovery system.

Personnel: George W. Darrell, John M. Ehrenberg, Walter Hrastrnik, George R. Knapp, Jack Lang, Al Meiche, Chuck Thomas, Chuck Watson, Howard Britton, Jerry Baird

Berkey Colortran Inc. Booth 1
1015 Chestnut St., Burbank, CA 91502

Exhibiting: Colorspot, Crab Dolly, Pro Kit IV, Ring Focus Fresnels, Mini SoftLight, Gelatran Colors, Dimmer Packs, Super-silk, Berkey Beam 800, designer patterns.

Personnel: Marion M. Rimmer, Peter Coe, Mel Rimmer, Jeff Sessler, Lou Behrmann, Tom Pincus, Moe Tawil, Ron Cataldo, Jay Bauer, Paul Vincent, Silvio Massone, Hal Lowe

BGW Systems Booth 205
P.O. Box 3742, Beverly Hills, CA 90212

Exhibiting: Models 4X250, 1500, 1000, 750A, 500D, 250B and our models 202 & 201 stereo preamplifiers.

Personnel: Steve Sellberg, Philip Beamish, John Purdoo, Irv Weisman, Allan Gibbs, Barbara Wachner

Birns & Sawyer, Inc. Booths 130, 131, 132
1026 N. Highland Ave., Los Angeles, CA 90038

Brumac Industries Booth 108
P.O. Box 1786, Huntington Beach, CA 92647

Exhibiting: 4 Brumac Industries densitometers; 2 Minolta color analyzers; 1 Sargent-Welch Portable pH meter.

Personnel: Jay McGarrigle, Karen McGarrigle, Charles Williams

Canon USA Inc. Booth 44
10 Nevada Dr., Lake Success, NY 11040

Exhibiting: Scoopic 16mm and its added new accessories such as wide converters, crystal control units, sound barney; Sound Scoopic 200 SF—single system sound-on-film (magnetic) documentary news camera; DS-8, double super-8 camera featuring 200 ft filming capacity. Canon Cine Optics: C10 x 12, 12-120mm, f/2.2 macro zoom; C6 x 12 (new), 12.5-75, f/1.8 macro zoom; C6 x 14, 14-84mm, f/2 super-16 zoom lens; C10 x 13, 13.5-135mm, f/2.8 macro zoom for super 16 and a line of prime lenses.

Personnel: Y. Asai, Y. Suguri, H. Hirai, T. Sakurai, K. Nishio, P. Powers

Capitol Magnetic Products Booth 70
1750 North Vine St., Los Angeles, CA 90028

Exhibiting: High output and low noise film; high output, low noise backcoated mastering tape; standard and low noise recording tape; lacquer discs; broadcast cartridges and the learning tape by Capitol-A/V cassette.

Personnel: Harry Preston, Bud La Grandeur, Mac McCartney, Larry Hockemeyer, Bill Bollinger, Tony Cunha, Jack Ricci, Jack Sullivan, Richard Blinn, Joe Scharf, Joe Kempler

Carter Equipment Co., Inc. Booths 48, 49
1050 W. Florence Ave., Inglewood, CA 90301

Exhibiting: Carter Equipment will show various items from the Electronics Dept. including a CE-DCPS-1200 dc power supply; a pH 10 film gate photometer for use with printing machines; a portable digital readout thermometer; a digital tachometer for use with processing machines and a post flashing device. Also shown as accessory equipment for motion-picture processing machines will be a temperature monitoring and control system. Miscellaneous laboratory equipment and supplies will include high-speed power rewinds, air vacuum squeegees; proximity cue detectors; a "Technicleaner" film cleaning machine; a film slitter, and a continuous contact liquid gate printing machine.

Personnel: W. D. Carter, Clay Ogletree, N. C. Smith, Ken De Vore, Marty Mueller, Barney Friedman

Century Precision Cine/Optics Booth 2
10661 Burbank Blvd., No. Hollywood, CA 91601

Cine/Precision Engineering Co. Booth 42A
1038 N. Highland Ave., Hollywood, CA 90038

Exhibiting: A new 35mm self-blipped studio reflex camera referred to as Panascope® Mini-B. It is very compact and lightweight (26 lb). The heart of this camera is the world famous Mitchell NC compensating link positive pin registration movement, with a 29 dB sound level. Other features are a 24-V dc crystal control motor, rotating mirror reflex viewing, BNC-R bayonet lens lock, an auxiliary door with a short swivel erect image viewfinder which can be interchanged in less than a minute for handheld operation, plus many other features.

Personnel: Jacob G. Monroy, Chris Nibley

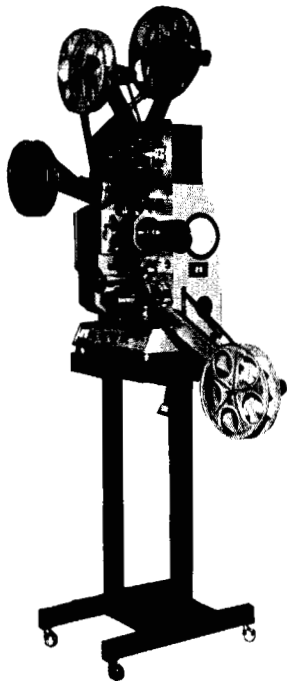
Christy's Editorial Film Supply Booth 63
212 W. Magnolia Blvd., Burbank, CA 91502

Exhibiting: Christy's will be featuring a complete line of Motion Picture Enterprises reels and cans, both metal and plastic. We will also be displaying a complete line of editing equipment and related supplies. Maier Hancock, manufacturers of the reliable portable hot splicer has released their new 16mm viewer. The

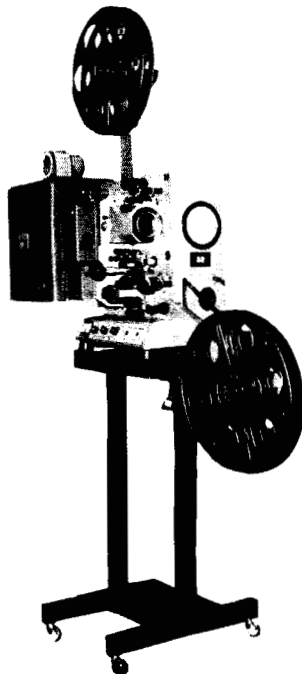
MP-30

a lot of projector for the money

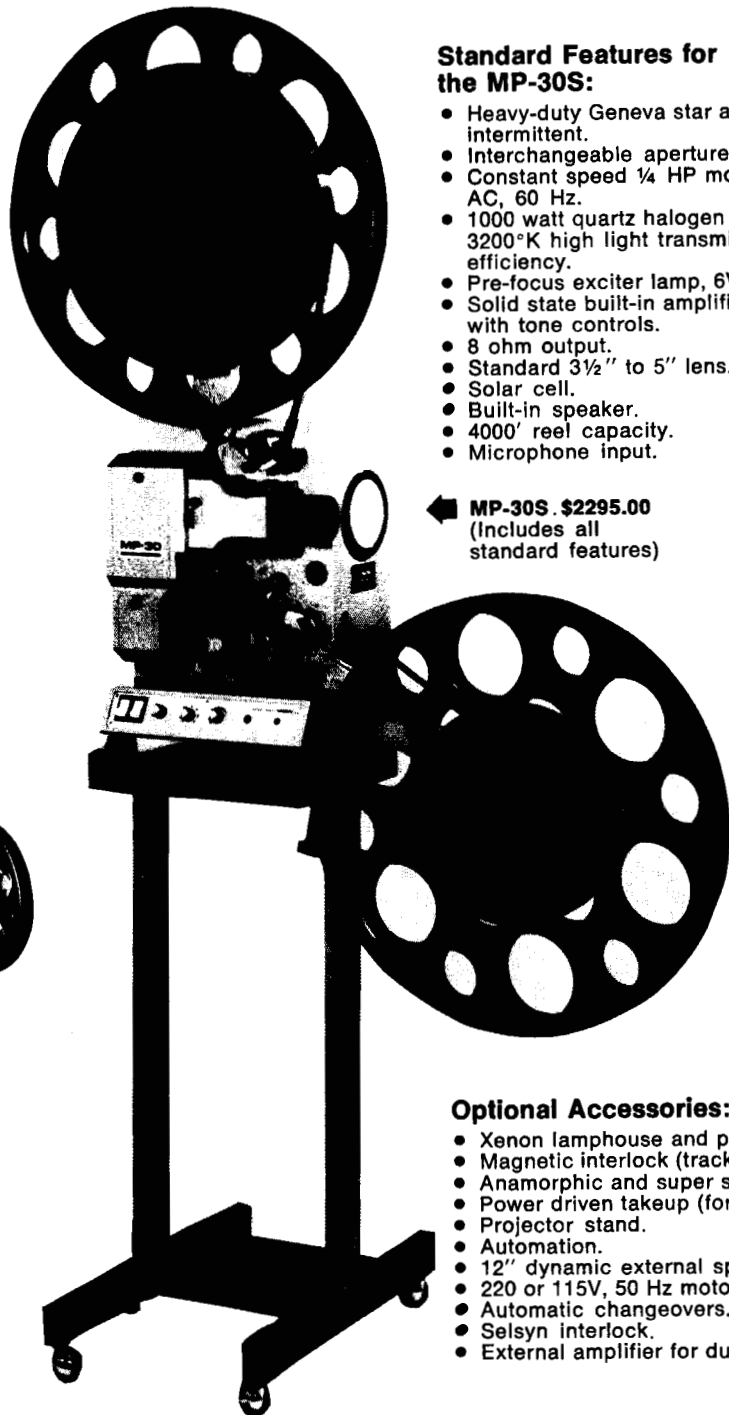
When we introduced the MP-30 Portable 35mm Sound Projector just a few months ago we told you it was a lot of projector for the money. We pointed out its versatility and how it offers top quality professional projection combined with portability for use in almost any type of requirement, from standard theater to screening room. Now, there are even added advantages to owning an MP-30, because in addition to the standard model, the MP-30S, we are offering the MP-30M, with Interlock, and the MP-30X, with Xenon lamphouse, still at prices which are the lowest in the industry. The MP-30 is a precision crafted projector priced to fit your budget. Check with our Projection Department today for details on the MP-30 to fit your specific needs.



MP-30M . \$3995.00
(Includes all standard features plus Magnetic Interlock (track and picture), projection stand and 12" external speaker)



MP-30X . \$3995.00
(Includes standard features plus 500W Xenon lamphouse (in place of quartz halogen lamp), projection stand and 12" external speaker)



Standard Features for the MP-30S:

- Heavy-duty Geneva star and cam intermittent.
- Interchangeable apertures.
- Constant speed ¼ HP motor, 125V AC, 60 Hz.
- 1000 watt quartz halogen lamp. 3200°K high light transmission efficiency.
- Pre-focus exciter lamp, 6V, 5A.
- Solid state built-in amplifier, 30 watts, with tone controls.
- 8 ohm output.
- Standard 3½" to 5" lens.
- Solar cell.
- Built-in speaker.
- 4000' reel capacity.
- Microphone input.

◀ **MP-30S . \$2295.00**
(Includes all standard features)

Optional Accessories:

- Xenon lamphouse and power supply.
- Magnetic interlock (track and picture).
- Anamorphic and super series lenses.
- Power driven takeup (for 6000' reels).
- Projector stand.
- Automation.
- 12" dynamic external speaker.
- 220 or 115V, 50 Hz motor.
- Automatic changeovers.
- Selsyn interlock.
- External amplifier for dual operation.

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See us at Booths 58, 59, 60 at the SMPTE show.

MH 1000 may be inspected in our booth, along with Moviola and HFC editing equipment.

Personnel: Dan Christy, Dick Christy

Cine Focus **Booth 63A**
600 N. Kings Rd., Los Angeles, CA 90048

Cinema Products Corp. **Booths 15, 16, 17**
2037 Granville Ave., Los Angeles, CA 90025

Exhibiting: CP-16R/A reflex camera with fully automatic and semi-automatic exposure control, plus solid-state information display in the viewfinder; CP-16R orientable viewfinder; CP-16 Crystalink wireless receiver; CP-16R with auto-slate marking, a bloop-tone signal and sync pulse output signal (60 or 50 Hz sine wave); J-5 Handgrip zoom control for CP-16 cameras; Angenieux close-focusing 10-150mm zoom lens (CP reflex mount); PLC-4 magazine; CPT-24 tripod; CP-16R reflex "studio/production" camera version; XR35 studio camera; 150XR fluid head; J-4 zoom control; CRA-6 crystal motors; Cook Varotal 20-100mm zoom lens; Anamorphic adapter for Canon K-35 macro zoom lens; Canon hi-speed aspheric prime lenses (24, 35, 55, 85mm); Angenieux zoom lenses; location lighting equipment; the new CP-16 GSMO camera; the new Cinevid-16 video-assist camera system; the new exclusive and unique Cinema Products handheld camera stabilizer system (STEADICAM).

Personnel: Ed DiGiulio, Peter Waldeck, Abbott Sydney, John Jurgens, Ed Clare, Bob Auguste, Gary Gross, Gabrielle Waldeck, Ellen Martin

Continental Camera Systems Inc. **Booth 41**
16800 Roscoe Blvd., Van Nuys, CA 91406

Exhibiting: Brand new pressure sensitive zoom control handle control with variable speed; Continental Mark IO helicopter camera mount system that can be used in a wide variety of helicopters and can accept a wide range of cameras including 16mm, 35mm and broadcast quality video TV cameras such as the Norelco PCP 90 and the Fernseh range; Astrovision — a brand new system for filming from high-speed jet aircraft, it will accept film, video, and still cameras and can film 360° from above or below the aircraft with a 46° tilt up and down, remotely controlled from inside the aircraft by cameraman operating a joystick control watching a TV monitor can also be used in other unique applications. Demonstration films on both the above products.

Personnel: John Carroll, Ernst F. Nettmann, David B. Nowell, David Jones, John M. Stephens, Peter Allwork

Datatron, Inc. **Booth 117**
1562 Reynolds Ave., Santa Ana, CA 92711

Dolby Laboratories Inc. **Booths 45, 46**
1133 Ave. of the Americas, New York, NY 10036

Exhibiting: Stereophonic and monophonic cinema playback packages, as well as studio noise reduction and monitor units used for production of Dolbyized soundtracks. The new stereophonic cinema playback package (CP-100) contains, in one integrated unit, all electronics (other than power amplifiers) required for stereophonic playback of wide range Dolby-encoded stereo variable-area optical soundtracks. Included are Dolby A-Type noise reduction modules and Dolby 1/3-octave house equalizer modules. The monophonic cinema playback package (Models 364 noise reduction unit and E-2 1/3-octave equalizer) are added to an existing theater system. The new SM-3 studio monitor will be shown as well as the Dolby studio noise reduction units.

Personnel: Ioan Allen, Phil Boole, Morley Kahn, Steve Katz

Victor Duncan, Inc. **Booths 104, 105**
2657 Fondren Dr., Dallas, TX 75206

Exhibiting: Victor Duncan, Inc. presents an overview of "Victor Duncan Country." A comprehensive display of the multitude of shooting locations available in the midwest will be shown. In addition, staff members of Victor Duncan, Inc. will be on hand to give a personal demonstration of Panavision equipment, the

Continental Helicopter Mount, the Fisher Crab Dolly and other unique motion-picture production apparatus.

Personnel: Victor Duncan, Lee A. Duncan, Norm Bleicher, Robert Burrell, Frank Marasco, Ginny Hart, Joseph C. Sibone, J. C. Ivers

Eastman Kodak Co. **Booths 23, 24**
343 State St., Rochester, NY 14650

Exhibiting: Kodak Supermatic Film Videoplayer VP-1.

Personnel: D. B. Adams, A. D. Bruno, E. J. Burns, W. E. Gillette, R. G. Hufford, J. W. Johnston, J. C. Lakotas, E. M. Murphy, H. T. Sweeney, J. F. Teahan, R. L. Thomas, R. Westfall, A. L. Williams, J. R. Zeman

E-Cam Company **Booths 4, 5**
6430 Sunset Blvd., Hollywood, CA 90028

Exhibiting: French Eclair professional motion-picture cameras, all featuring quick-change, positive belt drive coaxial magazines. The new French ACL is an exceptionally lightweight silent 16mm camera with the capability to accept either 200-ft or 400-ft magazines. Also newly available is the heavy-duty, variable-speed, crystal-controlled motor which runs at speeds of 8, 12, 24, 25, 50, and 75 frames/s. The Hall effect brushless motor attains high efficiency with low-battery drain and an accuracy at 24 frames/s of ± 15 ppm over a wide temperature range. The ACL also has the new LED 7 through-the-lens exposure guide which uses 7 light emitting diodes to indicate correct exposure or $\pm 1\frac{1}{2}$ stops in $\frac{1}{2}$ stop increments. The ACL's universal lens mount system makes available true camera mounts for most popular professional lens mounts including the Eclair CA-1, "C," Arri, Nikon, and others. The NPR will be shown with the new Beala III crystal controlled motor with a continuously variable frame rate from 5 to 40 frames/s. The NPR also features 400-ft magazines, the Angenieux erect image viewfinder, double lens turret, and a matte box. Both the ACL and the NPR use the quick charge 12-V mini-module battery system. The GV-16 high-speed camera is easily handheld and can attain the frame rate of 200 frames/s. Angenieux lenses including the 10-15mm T.23 and the 9.5-57mm f/1.6 zoom lenses as well as the Canon 12-120mm macro zoom lens will be featured. Barneys and convenience accessories will also be displayed.

Personnel: Sam Getzoff, K. Ferrell Forehand

Electro-Voice, Inc. **Booth 122**
600 Cecil St., Buchanan, MI 49107

Elmo Mfg. Corp. **Booths 231, 232**
32-10 57th St., Woodside, NY 11377

F&B/Ceco Industries **Booths 90, 91**
7051 Santa Monica Blvd., Hollywood, CA 90038

Exhibiting: Pro Jr. lightweight fluid head, friction head, geared head; microwave relay tilt head and balanced "TV" head; Pro Jr. standard & baby tripod; heavy duty "Mitchel Type" standard, medium, sawed-off & baby tripods; Pro Jr. three-wheel dolly, triangles, hi-hats, fish poll & gobo; SOS titler stand, SOS mixer, SOS sound reader, SOS projectola-magniola viewer-editor; Pro Jr. 16 & 35mm viewers & SOS Tokiwa T60 35mm projector. Special feature is our all new Pro Jr. "Mini" fluid head and tripod. *Note:* Most of above items are made by Bardwell & McAlister, manufacturing division of F&B/Ceco Industries.

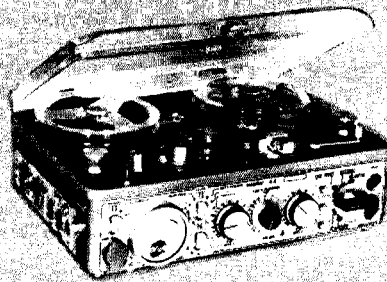
Personnel: Arthur Florman, Ron Groen, Phil Dewald, Frank Blaha, Ken Skuban, Carl Burseson

Frezzolini Electronics Inc. **Booths 28, 29, 30**
7 Valley St., Hawthorne, NJ 07506

Exhibiting: Complete line of Frezzi professional 16mm Cine cameras: models LW-16 and MC-571-DC lightweight single/double system sound-on-film cameras; audio record and monitor plug-in amplifiers model MCA-16 and TOS-CA. These amplifiers are available for use with Frezzi cameras and adaptable for use with others; record playback heads models 3000 and 4000 for use with the Frezzi cordless cameras. A prototype of the new

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Frezzi-Flex model FR-16 will be shown for the first time anywhere. High-powered 1000-W portable power pack for use with high-intensity quartz or gas discharge lighting. A complete range of Frezzi portable power packs for film cameras and portable movie lights. A new line of lightweight power packs for the Ikegami HL-33 and HL-35 TV color cameras; Hitachi and RCA prototype batteries will be displayed.

Personnel: James Frezzolini, James Crawford, Jack Frezzolini, Lina Frezzolini, Joan Crawford

Frigidheat Industries **Booth 68**
1401—21st Ave., S., Nashville, TN 37212

Exhibiting: Their new Heat-Only thermal unit, model H60M-15. It is equipped with a ½ HP magnetically driven pump, and is capable of holding processing temperatures to within $\pm 1/10^\circ$ F. Should any cooling be required to offset heat from other sources, the unit is equipped with a cooling selector which will convert the unit to a regular Frigidheat unit on command and vice versa. An auxiliary temperature trimming unit is also on display for those who need to hasten or boost their existing heating or cooling system.

Personnel: J. O. Ewing, Mrs. J. O. Ewing, David Honeywell, M. A. Honeywell

General Camera Corp. **Booth 40**
471—11th Ave., New York, NY 10018

Exhibiting: TGX 16mm reflex cine sound system; new concept and design for single system/double system filming; 400-ft coaxial cassette load with provision for using 1200-ft Mitchell magazine; crystal control, variable speed to 48 frames/s; digital footage counter with solid-state memory; readout and sound level in bright new viewfinder; rotating mirror shutter; fibre optic screen; illuminated frameline; practically indestructible Hi-Rez body, extremely quiet and efficient movement, weighs less than 15 lb, with lens and film, compact low profile well balanced configuration; complete line of accessories and lenses.

Personnel: Dick Di Bona, Mitchell Schlansky, Craig Di Bona

General Electric Lamp Business Div. **Booth 77**
Nela Park, Cleveland, OH 44112

Exhibiting: Light sources for motion-picture and TV production, including studio, projection and sound lamps, with special emphasis on new Quartzline* types.

Personnel: Charles Clark, Ellis Davis, Dave Graham, Howard Schmies, Joe Shultz

*Registered trademark, G. E. Company

General Enterprises, Inc. **Booth 66**
10518 Detrick Ave., Kensington, MD 20795

Exhibiting: The ST 928, 16mm, 8 plate, 2-picture, 2-sound or 1-picture 3-sound, horizontal editing machine. Completely redesigned for even easier access to all components and to facilitate greater operating efficiency in time and working procedure.

Personnel: William A. Engstler, Milton R. Schoch

Alan Gordon Enterprises Inc. **Booths 58, 59, 60**
1430 N. Cahuenga Blvd., Hollywood, CA 90028

Exhibiting: A complete line of filmmaking equipment for the professional cinematographer, including the new Swintek "Hitchhiker" cordless microphone system; the new MP-30 standard, Xenon and magnetic interlock 35mm portable sound projectors; the Zeppelin wind screen; air cushion shock mount; Foba tripod and dolly and Lee filters. Also on display will be the XR-35 studio camera; CP-16R; Arriflex 35 BL; Eclair NPR and ACL; super grip; Gordon/Bell camera helmets; Mini-Cam 16; the Academy Award-Winning Dyalens; AGE rain covers; director's zoom finder; AGE fishpole microphone boom; AGE star filters; AGE sound barneys and much more.

Personnel: Grant Loucks, Ted Lane, Bert Carlson, Frank Kelly, Jim Martin, Bob Kuhagen, Don Sahlein, Pat Singh, Bob Low

GTE Sylvania **Booth 52**
100 Endicott St., Danvers, MA 01923

Exhibiting: The latest developments in studio lamps and lighting systems for film and TV. The handheld battery-operated Sun Guns will be featured for the new electronic news gathering techniques. Also featured will be the new tungsten halogen lamps to update TV equipment to the most current lighting sources. The complete line of studio lighting products will be featured at this new booth.

Personnel: Jim Davis, Clif Durkee, Tom Holland, Jim O'Keefe, Mel Moehring, Mal Brickett

Hazeltine Corp. **Booths 10, 11**
Cuba Hill Rd., Greenlawn, NY 11740

Exhibiting: The new low cost model 116 color film analyzer recently introduced to complement the series 200 analyzers in use around the world; in addition, a model 200H analyzer featuring 16mm A&B timing attachment and other accessory items.

Personnel: A. Arbeeny, A. Eisenhuth, S. Nardella, S. Osgood, R. Cassara

Karl Heitz, Inc. **Booth 64**
979 Third Ave., New York, NY 10022

Exhibiting: Pathé electronic double super 8 with Angenieux-zoom 6-80mm *f*/1.2 or Optivaron 6-66mm *f*/1.8; Pathé electronic 16mm with Angenieux 12-120mm *f*/2.2, both with built-in electronic light metering with diodes, automatic exposure control, interchangeable C-mount lenses, 400-ft magazine, etc. Kinoptik Achromats, more than 30 16mm and 35mm lenses for 1.9mm-1000mm. Peri-Apollar 360° ultra-wide angle lens. Gitzo, more than 50 lightweight, heavy duty tripods, including ladder tripod, more than 25 interchangeable heads, including dollies, projector stands, leveling ball, counterbalanced heads, quick change attachments. Alpa, 35mm half-frame cameras with 100-ft magazine for 0.02mm spacing accuracy, interchangeable lenses, suitable for motion-picture production.

Personnel: Karl Heitz, Eric Scott, Russel Sawyer

Hervic Corp. **Booth 120**
14225 Ventura Blvd., Sherman Oaks, CA 91423

Exhibiting: Beaulieu motion-picture cameras: 16mm professional and semi-professional; super-8 single system sound models. Silma dual 8 silent and sound model projectors. Hervic/Minette viewer editors: 16mm and super-8 (with detachable soundhead) models. Hervic tripods. Hervic projection screens (lenticular screen fabric with special "torsion lock" tensioning device). Stellavox professional sound recording equipment.

Personnel: Rick Berthold, Otto Herskovic, Christy Stewart, Keven Freedman

Hologon Optical Systems Corp. **Booth 65**
225 Park Ave., So., New York, NY 10003

Exhibiting: The latest models of projection devices will be shown utilizing the unique "one-part" rotary HOLLOGON™ scanner, making equipment virtually maintenance free for years. Offering flicker-free and noiseless performance, these projectors have no shutters and therefore twice the light efficiency. They are inherently also tele-cine links. Being absolutely aberration-free, the Hologon scanner projects sharp, clear color images for film-to-tape transfer applications. Continuous rotary motion from 0-1000 frames/s guarantees longest life for the prints; even negatives may be used since the emulsion side never touches any part of the scanner. Optional features such as remote controls available on request. Conventional sound pick-up opt/mag with amplifiers are also available. Hologon Optical Systems Corp./The Inter-craft Corp. will also show, besides the projector equipment, the new Sondor Libra 16mm 211 stereo dubbing recorder/playback machine, and also television 4-channel ¼-in tape logging recorder, as well as the Jensen frequency meter type 516.

Personnel: Ulrich M. Fritzler, Barry G. Broome, Jutta Fader

the convincer



The undeniable evidence of your own professional ear can leave no doubt in your mind. Once you have heard the plainly evident difference in sound quality between this new recorder/dubber and all others, you will never again be satisfied with anything less than the true

series 3000



The new series 3000 solid state insert recorder

Unequalled in sound quality by any other sprocket-drive unit on the market *at any price*. And the lowest-priced unit that offers these time and money-saving features: 1) Insert capability—just erase and re-record any desired section of track. 2) Multiple-track mixing—lets you mix 3 tracks *on one 4-track unit*. 3) Extra-wide frequency response. 4) *Extremely* low noise and distortion. 5) Solid state efficiency. 6) Trouble-free, dependable—built to handle constant heavy work loads. 7) Simple conversion kits, completely pre-aligned for Magnasync/Moviola series 2200 owners. Call or write for information and name of nearest dealer.

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5539 RIVERTON AVENUE / NORTH HOLLYWOOD, CALIFORNIA 91601 / (213) 877-2791

Hollywood Film Co. Booths 81, 82, 83
956 N. Seward St., Hollywood, CA 90038

Exhibiting: Cross modulation tester, bi-directional panel printer, tape punch system, high-speed projector, loop cabinets, high-speed magnetic duplicator, reduction printers, editing equipment.
Personnel: Harry Teitelbaum, Ben Teitelbaum, Ralph D. Whitmore, Mark Levine, Hank Stemke, Lilian Kaye, John Overkamp, Warren Strang

Image Devices Inc. Booth 88
P.O. Box 680730, Miami, FL 33168

Exhibiting: IDI Communicator, revolutionary hands-free, continuous, two-way, portable communications system with variety of options — mixer for additional soundtrack transmission, mains operating communicator (117 or 220 V ac) for use in TV and other hard-wired intercom situations to free system user from the cables, talent set (microphone/earpiece) for use on camera, push-to-talk model for multi-unit use. IDI ACL-4 — underwater housing for Eclair ACL camera with 400-ft magazine. IDI crystackcheck — stroboscopic timing device with external and internal crystal references — checks operation of crystal sync systems, will indicate speed accuracy of any mechanical device: camera, projector, etc. in relation to a second sync pulse.
Personnel: David Haylock, Debbie Briggs, Sarrala Poster, Don Whittemore, Will Williams

International Audio Visual/Standard Projector Corp. Booths 124, 125
15818 Arminta St., Van Nuys, CA 91406

Exhibiting: Revolutionary, continuous (non-intermittent) motion-picture projector; 16mm film-to-video format converter; LED optical data transmitter/receiver; non-intermittent motion-picture projectors; 16mm film-to-video format converter; video transmission via optical means (LED).
Personnel: Marv Hodges, Gerhard Lessman, Dave Fellingner, Jack Bayha, Art Dyck, Don Calver

International Video Corp. Booths 126, 127
990 Almanor Ave., Sunnyvale, CA 94086

Exhibiting: IVC-9000 2-in, segmented scan broadcast videotape recorder; IVC-7000 P portable TV camera; a portable configuration of the IVC-7000 studio camera; prismatic optics; bias lighting; 1-in Plumbicons; matrix color correction — 0.89 Jnd average error. Weighs 14 lb. Operates 200 ft from its backpack.
Personnel: M. A. Moscarello, Ronald H. Fried, Arie Landrum, Dick Reilly, Don Carlsen, Carter Elliott, Jim Kubit, Rich Matuszak, Dick Rex, Jimmy Rodgers, Don Morgan, Keith Reynolds, Fred Haines, David Cooper, Jim Holzgrate, Barrett Guisinger, Bert Dann

KEDCO, Inc. Booth 204
9015 Aviation Blvd., Inglewood, CA 90101

KEM Editing Systems Inc. Booths 101, 102
6253 Hollywood Blvd., Hollywood, CA 90028

Exhibiting: The extendable, modular KEM Universal System, interchangeable 16/35mm with up to 3 pictures or soundtracks. Convenient speeds, variable, slow 24 frames/s sync, 48 frames/s, 120 frames/s and high-speed rewind. Picture and sound modules for all formats and track positions. Wide screen module anamorphic 2.35 switchable to 1.85 and techniscope module for contact techniscope prints. New electronic counters. The compact KEM rapid-S 4/6-plate tables. Interchangeable 16/35mm or super 8. Extremely simple and logical operation with a single lever continuously variable speed control and instant stop button.
Personnel: Peter W. Weibel, Mike Mangu, L. Schneider, Mohan Sawh, Will Harvey

Kenworthy Snorkel Camera Systems Booth 41A
P.O. Box 49581, Los Angeles, CA 90049

LaVeZZi Machine Works, Inc. Booth 67
900 North Larch Ave., Elmhurst, IL 60126

Exhibiting: The complete line of LaVeZZi stock sprockets for super 8, 8mm, 16mm, 35mm, and 70mm films, including positive control sprockets and molded sprockets, plus such stock items as film rollers and studs, film shoes, Geneva intermittent movement assemblies and components, sprockets for perforated paper tapes, and recording charts. Also, typical examples of special production of high precision machined components for cameras, processors, editors, projectors, etc., including sprockets, intermittent parts, gears, drums, shafts, gate parts, etc.
Personnel: Al LaVeZZi, Dick Horak, Worth Baird

Lowel-Light Mfg., Inc. Booth 69
421 W. 54th St., New York, NY 10019

L.T.M. Booth 92
104 Boulevard de Saint Denis, 92400 Courbevoie, France

Exhibiting: 1 generator 205 cy/220 V functioning on 120 C-60 cy and 120 V dc; it can feed a complete range of projectors using discharge bulbs HMI daylight of high luminous efficacy; 1 projector 4000-W equivalent to Brute carbon arc 225 A; 1 projector 2500-W; 1 projector 1200-W; 1 projector 575-W, flicker-free picture — either camera film speed (1 to 125) and shutter opening (5 to 200°) may be used. 1 reporter kit including: 2 spotlights 200-W, discharge bulb daylight with Fresnel lens; 2 broadlights 400-W, discharge bulb daylight, without Fresnel lens; 1 reporter kit, with battery and discharge bulb 200-W, daylight.
Personnel: Claude Crevet, Jean Galerne, Joseph Nikolli, C. Ryle Gibbs

L-W International Booth 3
6416 Variel Ave., Woodland Hills, CA 91364

Exhibiting: Athena 4000-TSM television film chain projector; 224-A MK IV photo-optical data analyzer; Automax camera; Videopod.
Personnel: R. H. Lawrence

Magnasync/Moviola Corp. Booths 18, 19, 20
5539 Riverton Ave., No. Hollywood, CA 91601

Exhibiting: Magnasync/Moviola's latest addition to their line of film editing equipment, the M-86A, M-85A, M-84A, featuring manual inching, independent sound speed on each transport and crystal controlled servo tach motor drives. Model 3000 Series Insert Recorder with servo tach motor control which may be electrically interlocked with any Magnasync/Moviola flatbed editing table.
Personnel: L. S. Wayman, W. H. Mills, Ted J. Diamond, Holmes Ives

Magna-Tech Electronic Co., Inc. Booths 55, 56, 57
630 Ninth Ave., New York, NY 10036

Matthew's Studio Equipment, Inc. Booths 110, 111
2405 Empire Ave., Burbank, CA 91504

Exhibiting: A new line of light stands, along with the established products supplied in the past to the motion-picture and television industries, including Century stands, flags and scrims, overhead butterfly sets with the new Matthew's roller stands, sandbags, flex arms, reflectors of all sizes and many of the accessories used by the professional cinematographer. In addition Matthew's will have on display the very popular tube dolly and collapsible dolly track with accessories, and some new items never before shown at the SMPTE exhibit.
Personnel: Roy Isaia, Joe Tawil, Ed Phillips, Carlos De Mattos, Diana Isaia, Norma Skinner

Metro/Kalvar Inc. Booth 80
745 Post Rd., Darien, CT 06820

Exhibiting: Model 135/16 printer-processor, produces Metro/

If you're not editing with Showchron, you're just scratching the surface.



Our customers agree.

Protection for your priceless film is what it's all about. That's why Showchron designed its editing system with clutch core spindles for safe braking at any speed, torque motor for tight winding and no spillage, and tapered plates so your film never touches the outer surface.

The Showchron expandable console is manufactured by Honeywell, long respected for quality in the electronics and photo products fields. Through versatile, modular construction, the unit is expandable from a one picture/one sound unit up to a three picture/three sound unit, using interchangeable Showchron picture and sound heads. This surprisingly mobile console is easily moved from room to room.

Let a Showchron rep show you the other features of the Showchron Editing System.

Such features as single integrated master control/interlock for instant stops and starts, selective advance/retard, inching knob for frame-to-frame viewing, digital counter for continuous read-out, and electro-mechanical coupling/decoupling are all standard on the Showchron unit.

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September 28-October 3 / Booth 38 and 39.

Kalvar black-and-white release prints with no chemicals or dark-room giving immediate projection to show results. Demonstrating ultrasonic film splicers: models 2001, 2016, 2018 and 2070. Demonstrate new Metro/Kalvar slidemaker and Instaslide film.
Personnel: A. W. Hall, Jr., C. Lee Smith, Wallace I. Vance, John A. Morrow, James E. Headley

Mitchell Camera Corp. Booth 54
11630 Tuxford St., Sun Valley, CA 91352

Mole-Richardson Co. Booths 6, 7, 8
937 No. Sycamore Ave., Hollywood, CA 90038

Exhibiting: Three new products: Mole Focal-Spot for Mini-Mole; Mole Focal-Spot for Midget; Mole 1250-W H.M.I. Focusing Spot. Also for your inspection: 4,000 Molequartz Baby 4K Super and the 120-W eight-tube Molescent. On display will be a 2,000-W Molequartz Moleipso Pattern Light. Our Focusing Quartz Family: 650-W Teenie Mole, 1,000-W Mickey Mole, 2,000-W Mighty Mole. Also the Quartz Solarspot Family: 1,000-W Baby-Baby, 2,000-W Baby Junior, 5,000-W Baby Senior, 10,000-W Baby Tener. You may also view Solarspots, Molefays, Molepars, Broads, Scoops, Nooklites, Light Kits and a Car Kit. Also a 120-V Molepower Wet Cell Battery Pack and Charger Kit. A variety of hangers, adapters and mounting fixtures. Grip equipment and special effects.

Personnel: Howard R. Bell, Larry Mole Parker, Mike Parker, Dennis Parker, John Robertson, Max Hankins, Dan Aron

Motion Picture Enterprises, Inc. Booth 62
Tarrytown, NY 10591

Multi-Track Magnetics, Inc. Booth 103
One Ruckman Rd., Closter, NJ 07624

Exhibiting: R 106 UV, 4 channel master pick-up recorder with high-speed dc servo drive; MD 3 dynamic footage counter for super 8, 16, 35mm and time functions; Avex I 3 channel edit-mix system.

Personnel: Mike Denecke, Tom Sokira, Stephen Talian, Donato Muzich

Nagra Magnetic Recorders, Inc. Booth 9
19 W. 44th St., New York, NY 10036

Exhibiting: Complete line of Nagra synchronous tape recorders including the standard 4.2L, the stereo SL, the mini SNN and the new intermediate size IS-L.

Personnel: Loren L. Ryder, Ronald R. Cogswell, Dom Notto, Harry Howard, Rick Pascua, Emory Fodore, Neil Stone, Leo Chaloukian, Henry Steuart, Kenton Swift, Leon D. Selznick

O'Connor Engineering Laboratories, Inc. Booth 43
100 Kalmus Dr., Costa Mesa, CA 92627

Exhibiting: Lightweight fluid pan and tilt heads and accessories. Heads to be on display are: Model "C"; Model 20; new Model 50-C; Model 100-C; and Model 150. Other items on display will include: the all new Hydro-Ped, Model 102-B; our new claw ball tripod; a complete line of O'Connor Mitchell type and pro junior type tripods; and, other accessories like the manual fluid zoom drive that complement the O'Connor line of products.

Personnel: Chadwell O'Connor, Regina O'Connor, Dick Charlson, Joel Johnson, Kay Barr, Art Kramer, Cary Clayton

Optasound Corp. Booth 230
25 East 26th St., New York, NY 10010

Exhibiting: ESTEC (Electronic Sound Transfer Editing Console) for super-8 picture and sound; Pyral super-8 fullcoat; 116R self-resolving synchronous cassette recorder.

Personnel: A. F. Greenberg, R. M. Greenberg, Mark Bergin

Optical Radiation Corp. Booth 47
6352 North Irwindale Ave., Azusa, CA 91702

Exhibiting: Orcon II ultra high-intensity Xenon projection console with automation, remote control and sound. Xenographic 512 high-intensity fade/dissolve system for 35mm slides.

Personnel: Michael J. English, Lee C. McMahan

Oxberry Div. of Richmark Camera Service Inc. Booths 34, 35

516 Timpson Pl., Bronx, NY 10455

Exhibiting: The new Oxberry Electrosync Optical Printer will be presented for the first time in the U.S.A. This printer features independent motor drives for camera and projectors, total solid-state modular construction, extended speed range, automatic variable speed follow focus for Aerial Image projector and many other exciting new features. Also exhibited will be various animation products and liquid gates.

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

Paillard, Inc. Booth 33
1900 Lower Rd., Linden, NJ 07036

Pako Corp. Booth 42
6300 Olson Hwy., Minneapolis, MN 55440

Peterson Enterprises, Inc. Booths 78, 79
1840 Pickwick Ave., Glenview, IL 60025

Exhibiting: 16mm color additive panel printer with manually positioned light valves. Featuring bi-directional operation for high-volume printing at speeds up to 480 ft/min. Panel printers are also available with Peterson automatic light valves and high-speed photoelectric reader. Also exhibiting the popular "COR-JR" super-8 continuous optical reduction printer with uni-directional operation at 180 ft/min on negative side. Both "COR-JR" and "COR" printers are available in 16mm super-8 dual rank format, 35mm super-8 quad rank format or a combination of both. Related accessories will also be exhibited.

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

Photo Research Div. of Kollmorgen Corp. Booth 84
3000 N. Hollywood Way, Burbank, CA 91505

Plastic Reel Corp. Booth 53
640 S. Commercial Ave., Carlstadt, NJ 07072

PSC Technology Inc. Booths 73, 74, 75, 76
(Formerly Producers Service Corp.)
1200 Grand Central Ave., Glendale, CA 91201

Exhibiting: Acme Ten-O-Two optical printer for special effects with new electronic drive with main and aerial projectors, camera and automatic follow focus; Acme Ten-O-Four optical printer with new electronic drive with projector and camera; model 5700 C/Kit converts B&H Model "C" into a bi-directional printer; 35mm Model "C" with C/Kit; model 5800-Acme miniprinter low-cost high-quality optical printer for super-8 and 16mm; model 5900 35mm rear-screen flickerless projector; series 100 liquid gate and support system; PSC Opcomatrix lamphouse, a manual additive lamphouse for optical printers.

Personnel: H. R. Yarp, Jay W. Bell, Nick Mastrogiovanni, Russel Yarp, Hans Wohlrab, Rodger Christopherson

RCA Corp. Booths 25, 26, 27
2700 West Olive Ave., Burbank, CA 91505

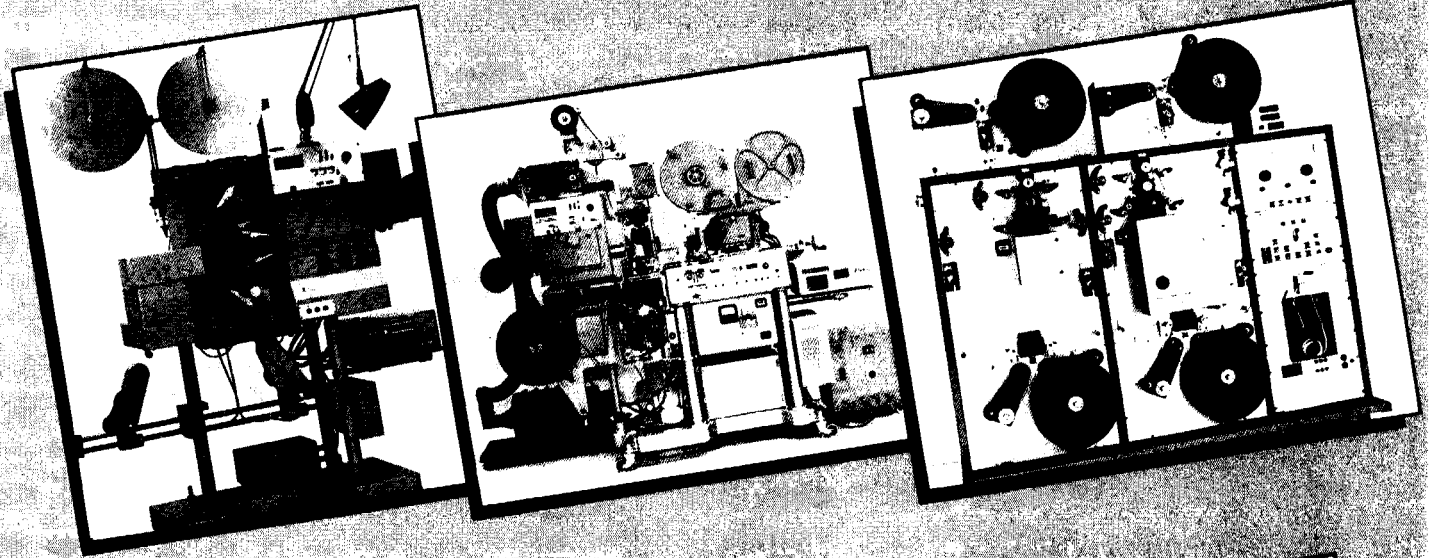
Exhibiting: A new type FR-35A 35mm projector; it is servo-controlled and designed for stand alone or interlock operation; it will run forward or reverse at cine speeds or at 6 X cine speed. There are several frame rate options. A new RCA type PM-86C master recorder-reproducer system, with insert recording capability and interchangeable sprocket and headplate assemblies for 16 or 35mm operation. A new bulk magnetic tape eraser for erasure of RCA or Ampex video cartridges. There will be some miscellaneous associated equipment as required to complete an operating system.

Personnel: Julie Aldrich, Adron Miller, Jack Leahy, Bob Dickinson, Bob Buescher, Hal Pauly, Lew Briel, Tom Dahl, Dick Prosser, Herb Dover, Cesar Rodes, Jess Nickels, Dennis Donnelly, Oliver Bjerke

PERFORMANCE . . .

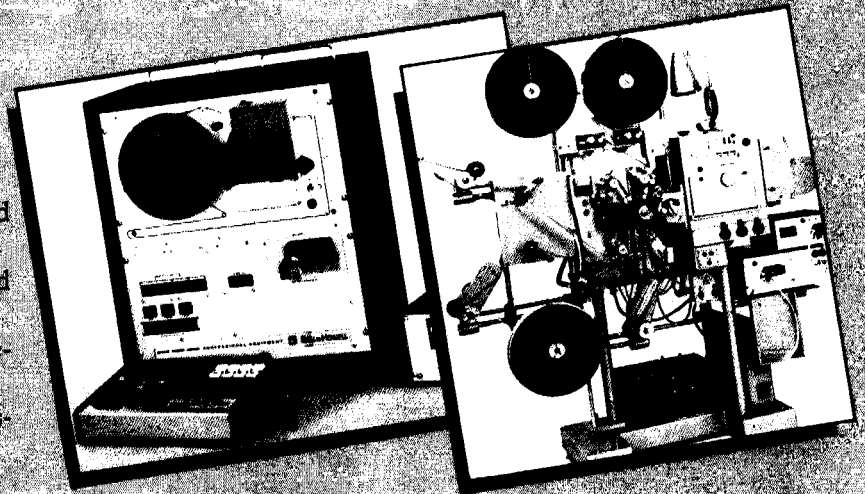
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Research Products, Inc. Booths 50, 51
6860 Lexington Ave., Hollywood, CA 90038

Exhibiting: Research Products, Inc. will display three optical printers. The Academy Award winning model 2101 with new automatic zoom on camera and aerial image beds. The model 2103C with B&H additive lamphouse has been modified with a light source that removes film scratches without the use of liquid gates. A new low cost 16mm animation optical printer for small laboratories, TV stations, in-plant producers, and universities. Features RPI camera and projector heads with registration movements, scratch removal light source, artwork aerial-image board. Research Products will exhibit for the first time a 35mm table top viewing projector. Projection speeds 0-24 frames/s, high-speed slew at 200 ft/min. Projector movement all electronic for quiet operation.

Personnel: Harold A. Scheib, John Ellis, Craig Dennis, Dag Forssell, Clifford Ellis

Rosco Laboratories Booth 106
38 Bush Ave., Port Chester, NY 10573

Research Technology Inc. Booth 109
8260 Elmwood, Skokie, IL 60076

Exhibiting: 35mm Retectron, highly automated film inspection machine with solid-state "ET" Electronic Transducer defect detection and patented one-hand "no-thread" loading. The Retectron thoroughly inspects 35mm film at speeds up to 800 ft/min. Features three-pushbutton control, footage and splice counters and safety recessed reels. Pulsar 1600/ICL, simultaneously inspects, liquid cleans, conditions and lubricates 16mm film at 1600 ft/min. Features LB/T (light beam/transducer) defect detection, patented on-hand no thread automatic loading and TTL-logic integrated circuit electronics. Modular construction, full-width 870-in formica work table.

Personnel: Ray L. Short, Jr., Fred Spinner, Frank Schmidt, Tom Boyle

Schafer Electronics Corp. Booth 123
75 Castilian Dr., Goleta, CA 93017

Showchron America Corp. Booths 38, 39
9701 Wilshire Blvd., Beverly Hills, CA 90212

Specialties Design & Mfg. Co. Booth 114
3429 Encina Dr., Las Vegas, NV 89121

Exhibiting: Specialties Design & Mfg. Co. will display their latest post-production editing equipment including the following: Specialties editor 16mm, a custom-built editing system featuring a four gang synchronizer, three magnetic heads, footage counter, precision machined cast-aluminum base, built-in light well and solid-state mixer-amplifier; Specialties S-8 editor, a powered editing system engineered exclusively for super-8 film including a four gang synchronizer; three magnetic heads, footage counter, light well and solid-state mixer amplifier; Specialties 4 Channel Mixer-Amplifier has twin speakers, four input jacks to four accurately matched channels with separate controls. Introducing: Specialties K-B editor for mixing up to three full-coat magnetic tracks into your synchronous recorder or projector. The K-B editor is a dubbing theater on your editing bench.

Personnel: Bill D. Reid, Kay Reid

Super8 Sound, Inc. Booth 121
95 Harvey St., Cambridge, MA 02140

Exhibiting: Super8 Sound recorder; Super8 Sound editing bench; Super8 Sound crystal camera controls; Super8 Sound camera silencers; Super8 Sound double band interlock projector; Super8 Sound photostart; Super8 Sound XSD recorder (crystal-sync Dolby cassette) and XSD resolver; Super8 Sound crystal sync Nizo and crystal sync Beaulieu cameras; Super8 Sound crystal-sync Uher cassette stereo recorder; Super8 Sound third hand rewinds; Super8 Sound differential rewind adapters; Super8 Sound sync Kodak VP-1 videoplayer; Super8 Sound catalog and other publications.

Personnel: Robert O. Doyle, Julie Mamolen, Robert Woodside, Greg Fulmer

Strand Century, Inc. Booths 218, 219, 220, 221
20 Bushes Lane, Elmwood Park, NJ 07407

Technology, Inc. (Houston Fearless) Booth 72
11801 W. Olympic, Los Angeles, CA

Television Research International Inc. Booths 128, 129
1003 Elwell Court, Palo Alto, CA 94303

Exhibiting: Editing control consoles and systems for IVC and Sony VTR's; a new generation of time-code equipment specifically designed for helical-scan VTR's, permitting still-frame presentations with the time-code information identified; Tri-chroma color signal system for improved VTR performance.

Personnel: John Babble, Hal Blakeslee, Ron De Pinto, Doug Hurrell, Lee Marvin, Dee Pourciau

Transound Booth 107
13733 Glenoaks Blvd., Sylmar, CA 91342

Exhibiting: The Minimic® line of subminiature electret microphones, including one new model and several unique accessories; the MX-4 location sound mixer, manufactured by KMS Electronics. This is the first modern, self-contained, battery-operated, location and sound stage mixer designed with the requirements of both film and video in mind; Coherent Communications' novel digital film footage counter model DFC-1A, designed to work with any 16 or 35mm film camera possessing a sync output. The DFC-1A gives an accurate display of exposed film footage to remove any doubt concerning amount of film left on the roll. Also manufactured by Coherent Communications is the PS-1 power supply for 12-V condenser microphones. Features include: uses common 9-V batteries, a 15-dB switchable pad and more. We are also the exclusive importers for Rycote Microphone Windshields; these windscreens are the original patented plastic and unbreakable units designed for hard field use. The Rycote shock-mount systems will be shown as well. A number of new items will be making their debut in the US. The audio and designs line of sophisticated signal processing equipment, including a combination rack-mounted peak limiter, variable compressor, noise gate, expander and dual "Q" parametric equalizer, band pass and reject filters, De-essers, etc. Orange County Ltd., line of compact and powerful audio power amplifiers, their simple and effective "Gain Blocks"; little modules that can provide a variety of amplification duties.

Personnel: Ivan Kruglak, Michael Kohut, Jim Songer

Treise Engineering, Inc. Booth 84
1941 First St., San Fernando, CA 91340

Exhibiting: Complete line of film processor accessories. To include: soundtrack applicators, film waxers, backing removal units, film rollers, film sprockets, temperature control units, squeegees, applicator wheel position indicators, etc. Also various types of removal film racks that are adaptable to other types of film processors for updating and modification of these units to the Treise "SBR Film Transport System."

Personnel: J. Carl Treise, Thomas C. Treise, Larry Henneincke, Sandra Henneincke, Beverly Treise, Kris Eldridge

Video Systems Network Booths 112, 113
12530 Beatrice St., Los Angeles, CA 90066

Exhibiting: New electronic news gathering system featuring the "ASACA" 3-tube handheld broadcast quality color camera; the "World's Smallest Mobile Van"; the new tri automatic videotape editing system for 3/4-in and 1-in VTRs; CVS time-base correctors; IVC 1-in VTRs; 3M "promat" letter compositor, for instant titles.

Personnel: C. M. Brainard, Robert Luckenbach, Mike Hiles, Gary Resnick

Westrex Booths 118, 119
390 N. Alpine Dr., Beverly Hills, CA 90210

Exhibiting: The new Westrex variable hue multi-channel photographic recording system; magnetic recording and rerecording equipment for high-speed interlock dubbing.

Personnel: Frank Pontius, William Prudhomme, John Jarvis, P. J. Buck

Wide Range Electronics Booth 222
2119 Schuetz Rd., St. Louis, MO 63141