

THURSDAY MORNING—October 18

DIGITAL TECHNIQUES IN TELEVISION II

An Information-Broadcasting Service Using Data Transmission in the Vertical Interval

G. A. McKenzie and J. L. E. Baldwin, *Independent Broadcasting Authority, London, England*

Future Time-Base Corrector Systems

David E. Acker, *Television Microtime, Inc., Bloomfield, Conn.*

THURSDAY AFTERNOON

THE NEW INTERNATIONAL HELICAL-SCAN TWO-INCH TAPE RECORDER AND OTHER RECENT ADVANCES IN VIDEOTAPE

A Design of a Segmented-Scan Helical Broadcast Recorder
Barrett E. Guisinger, *IVC Corp., Sunnyvale, Calif.*

A Unique Timing-Reference System for Broadcast VTRs
Burt H. Dann, *IVC Corp., Sunnyvale, Calif.*

The Servo System for a Helical Broadcast Recorder
Donald E. Morgan, *IVC Corp., Sunnyvale, Calif.*

Operational and Economic Features of a Segmented-Scan Helical Broadcast VTR

Joseph Roizen, *IVC Corp., Sunnyvale, Calif.*

The New Quad II

To be announced, *RCA Corporation*

Slow-Motion Sheet Videocorder and its Application to a Sports-Clinic System

Nobutoshi Kihara and Yoichi Odagiri, *Sony Corporation of America, Tokyo, Japan*

FRIDAY MORNING—October 19

ADVANCES IN VIDEOTAPE AND EDITING PRACTICES

Film/Tape Experience

Gary W. Jones, *WFAA Productions, Dallas, Tex.*

Automatic Editing System for Videotape

C. Akrich, *ORTF, Paris, France*

Electronic Cinemaphotography

W. G. Connally, *CBS Television Network, New York, N.Y.*

Application of Cassette VTRs in Programing, Editing and Production

E. S. Busby, *Ampex Corp., Redwood City, Calif.*

FRIDAY AFTERNOON

LATEST DEVELOPMENTS IN TELEVISION BROADCASTING EQUIPMENTS AND FACILITIES

New Telecine System

C. Teed, *Marconi, Ltd., Chelmsford, England*

A Portable Compact Color Television Facility and Post-Production Unit

Irving Rosner and Elmer E. Smalling, III, *Rosner Lamb, Inc., New York, N.Y.*

Pre-Programed and Automatic Color Correction for Telecine

D. J. M. Kitson, R. H. Spencer, J. R. Sanders and D. T. Wright, *British Broadcasting Corp., London, England*

Television News Gathering

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

The New NHK Hall

Hideo Moriyama, *NHK (Japan Broadcasting Corp.), Tokyo, Japan*

Exhibit Directory

Exhibit Hours

Monday, Oct. 15 5:00–8:00

Tuesday, Oct. 16 11:00–8:00

Wednesday, Oct. 17 9:30–4:00

Thursday, Oct. 18 11:00–6:00

Admission to the Exhibit will be by Registration Badge or Exhibit Pass. Passes may be purchased for \$2.50 each at the Registration Desk.

Angenieux Corp. of America

440 Merrick Rd., Oceanside, NY 11572

Booth 5

Exhibiting: The complete line of Angenieux motion-picture lenses will be displayed on an array of professional motion-picture cameras. The 9.5-57mm, *f*/1.6 zoom lens (close focusing to 24-in. from focal plane with full zoom capability) will be featured as well as an advanced automatic iris system incorporated in both the 12-120mm, *f*/2.2 and 9.5-95mm, *f*/2.2 zoom lenses. The short V30 1-in. viewfinder with a new 16mm camera reticle, allowing the camera operator to see more than the camera aperture will also be exhibited on shoulder-held single system cameras.

Personnel: John Wallace, Bern Levy, Walter David, Paul Foote, Claus Zedler, Jeff Giordano

Arriflex Co. of America

25-30 Bklyn-Queens Expy. W., Woodside, NY 11377

Booths 28, 29

Exhibiting: Full line of 16 and 35mm motion-picture cameras, including Arri 16BL with new crystal motor. Also, full range of accessories for all Arriflex motion picture cameras. Sonorex 16/16 interlock projectors complete with accessories as well as the Arrivox-Tandberg Sync Sound Recorder will also be on display. A large staff of Arriflex personnel will be available to discuss technical matters.

Personnel: Volker W. Bahnmann, Bruce E. Harris, Victor James, Wolfgang Roessel, Bill Russell

Audio Devices Inc.

100 Research Dr., Glenbrook, CT 06906

Booth 24

Exhibiting: High output, low noise, magnetic film; standard and low noise magnetic film; high output, low noise, backcoated mastering tape; standard and low noise recording tape; lacquer discs; professional cassettes; broadcast cartridges.

Personnel: T. Gunha, W. Dawson, H. Preston, R. Prescott, H. Aronson, R. Hickey, S. Ferrara, B. Barger, H. Reiss, J. Weiss

Bell & Howell Professional Equipment Div.

7100 McCormick Rd., Chicago, IL 60645

Booth 43

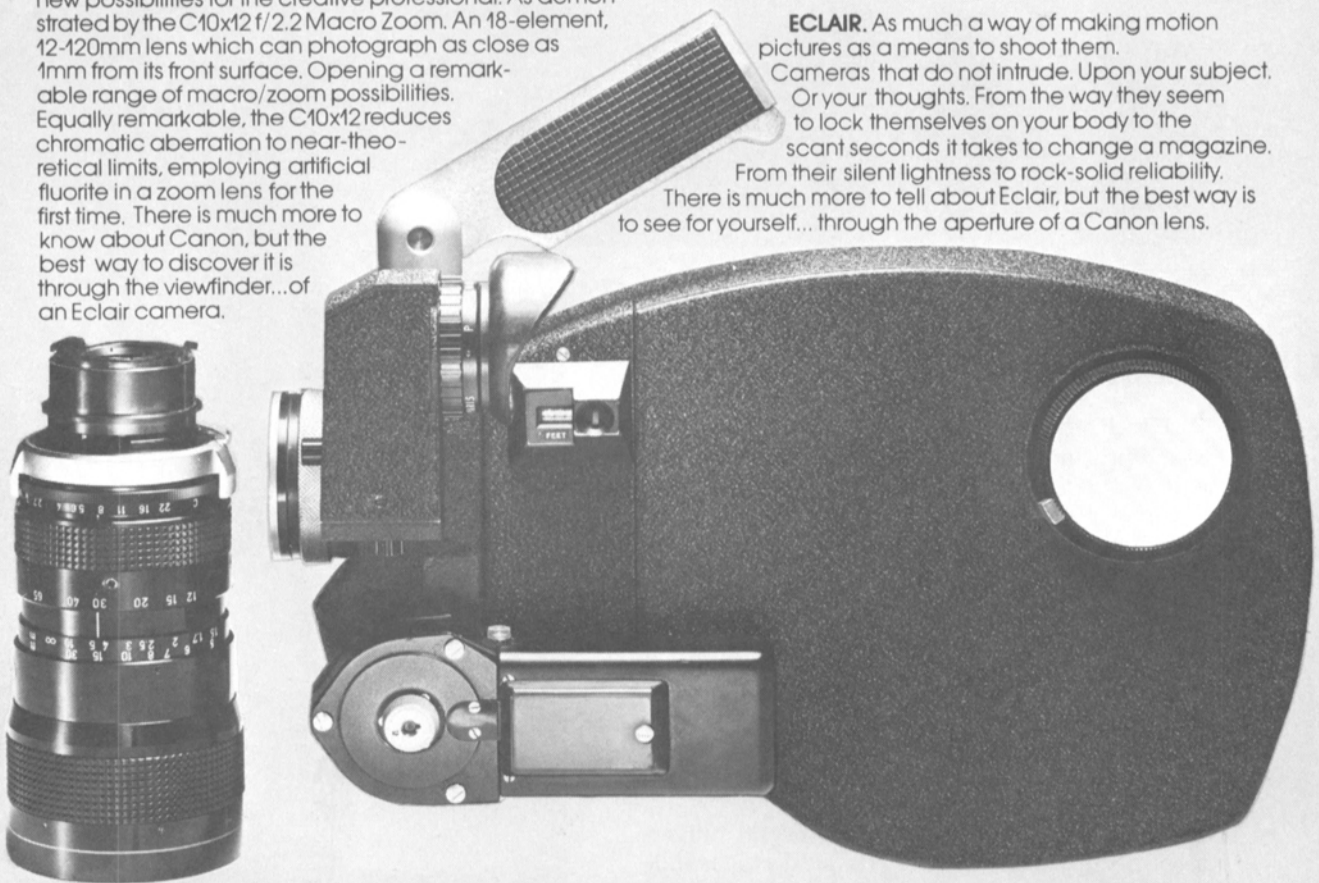
Exhibiting: Bell & Howell Model "C" automatic additive color continuous contact motion-picture printer with new Frame Count Cuing system, and a wide range of motion-picture laboratory accessories.

Personnel: Al Cims, George Darrell, John Ehrenberg, Fred Gonzalez, Jack Lang, Paul Macaluso, Al Meiche, Gene Moscaret, Dennis Robertson

If you don't pay the price, you'll pay the price.

CANON. Where new horizons in optical technology open new possibilities for the creative professional. As demonstrated by the C10x12 f/2.2 Macro Zoom. An 18-element, 12-120mm lens which can photograph as close as 1mm from its front surface. Opening a remarkable range of macro/zoom possibilities. Equally remarkable, the C10x12 reduces chromatic aberration to near-theoretical limits, employing artificial fluorite in a zoom lens for the first time. There is much more to know about Canon, but the best way to discover it is through the viewfinder...of an Eclair camera.

ECLAIR. As much a way of making motion pictures as a means to shoot them. Cameras that do not intrude. Upon your subject. Or your thoughts. From the way they seem to lock themselves on your body to the scant seconds it takes to change a magazine. From their silent lightness to rock-solid reliability. There is much more to tell about Eclair, but the best way is to see for yourself... through the aperture of a Canon lens.



Eclair Corporation of America, 62 West 45th Street, New York 10036, (212) 869-0490
7262 Melrose Avenue, Los Angeles, California 90046, (213) 933-7182



Doctor Vishniac has been sentenced to death – twice!

Dr. Roman Vishniac was born near St. Petersburg, in Russia. In 1916, he was sentenced to death by a Tsarist military court; but he was saved by the revolution of February 1917. In 1938, he was *again* sentenced to death (as a spy) by a Slovak military court in Bratislava; but he escaped by leaping from a second floor prison window.

He had, in fact, been taking photographs of life in a poor Jewish quarter. Some of these photographs can be seen in a book called "The Concerned Photographer," together with some of his micro-biological studies.

Dr. Vishniac now teaches at several universities in the United States. His subjects include Biology, Philosophy, Zoology, Cinemicroscopy and the study of Far Eastern art.

THE STORY OF ONE ARRI 16S:

Twenty years of use, 907,000 feet of film, never overhauled!

“My wife oils it occasionally,” says Dr. Roman Vishniac. “But it’s never been back to the factory.”

The male Acorn Worm discharges his sperm cells into the seawater around him. With luck, the female’s eggs will be floating nearby. What happens next?

You and I could guess. But nobody *knew* exactly how it happens; so Dr. Vishniac recorded it on film. That wasn’t easy. The egg is about 0.04 inch in diameter; and it’s a thousand times larger than the sperm. Neither performs on cue.

Shooting ratio: 600 to 1

The whole thing takes about 30 seconds. But you never know exactly *when*, so you have to start the camera when things look promising. Each take turns out to be a full 100 foot load. And Dr. Vishniac shot 120 rolls before capturing the event.

That’s 12,000 feet of film, to get a scene that runs for less than 20 feet! Dr. Vishniac’s



Dr. Vishniac on location. Photo: NBC News

films are like that. During the past twenty years, he has made sixty-three of them, for such clients as the National Science Foundation.

Each of these films has literally added to man’s knowledge of the micro-biological world, of which we are a part. Each film is an important scientific document. Less important, but we’re proud of it anyway: *Every foot* has been shot with Dr. Vishniac’s one and

only camera — the Arri 16S that he bought twenty years ago.

907,000 feet; no problems

Most of his shooting has been on location, in all weathers, to record his subjects in their natural habitat. But that *same* Arri 16S is mounted on the microscope back in his laboratory. Dr. Vishniac estimates that he has run 907,000 feet of 16mm film through it.

“I’ve never taken it in for an overhaul, because it has never shown the need for it,” says Dr. Vishniac. “It’s my only camera, so I take good care of it; and it has never let me down.”

ARRI

ARRIFLEX COMPANY OF AMERICA

FOR FREE BROCHURES ON OUR 16MM AND 35MM CAMERAS,
WRITE TO ARRIFLEX COMPANY AT P. O. BOX 1050, WOODSIDE,
N. Y. 11377; OR AT 1011 CHESTNUT ST., BURBANK, CALIF. 91502.

The Camera Mart, Inc. **Booths 53, 54, 55, 56**
456 W. 55th St., New York, NY 10019

Exhibiting: Arriflex, Bach Auricon, Bolex, Beaulieu, Bell & Howell, Canon, Cinema Products, Eclair, Mitchell, Sony, Akai, Javelin, Magnasync/Moviola, Ediquip, Ronford, Miller, O'Connor, NCE, Colortran, Lowell, Ianiro, Sennheiser, Elemack, Camart Products, International Audio Visual, Matthews, Frezzolini, Electrovoice, Angenieux, Nagra.

Personnel: Samuel Hyman, Paul Meistrich, Shelly Brown, Leo Rosenberg, Herb Browning, Ed Gallagher, Jeff Wohl, Ted Meisel, Bob Roizman, Mark Hyman, Luke Henderson, Chuck Ash, Carl Ahlers, Patricia McBride

Canon, U.S.A., Inc. **Booth 37**
10 Nevada Dr., Lake Success, NY 11040

Exhibiting: The new Canon Scoopic 16M featuring a 12.5-75mm f1.8 macro zoom lens, a ground glass viewing system with TV frameline, Film speeds from 16 to 64 fps including single frame, auto or manual exposure control. Sound Scoopic 200 SE: single system sound camera featuring fully automatic TTL metering, rotating mirror shutter, pin registration movement. Canon DS-8: a professional super 8 camera, featuring a full aperture place, variable shutter, single frame, backwind, auto manual exposure controls, 200 ft film capacity Canon C10x12 Fluorite 12-120mm f2.2 macro zoom lens. Canon C6x14 14-84mm f2 super 16 lens.

Personnel: Art Kramer, Brian Ellis

Century Strand **Booth 76**
5432 W. 102nd St., Los Angeles, CA 90045

Exhibiting: Location and studio Equipment for Film & TV. Also, Cinemar, a high temperature mylar conversion material for light control.

Personnel: Larry Nelson, Harry Forman, Terry O'Connell, Ron Olson

Cinema Products Corp. **Booths 51, 52**
2044 Cotner Ave., Los Angeles, CA 90025

Exhibiting: The complete CP-16 and CP-16/A TV-News/documentary camera systems, plus a wide range of additional professional accessories for the CP-16 camera system. The Academy Award-winning J-4 "Joystick" zoom control. The lightweight, silent XR35 studio camera; the XR150 fluid tripod head; the Academy Award-winning Model CRA-6 and Model CRA-6/A crystal controlled motor for the Arri 35; New CPT-24 fluid tripod; crystal controlled motors for Mitchell BNC/NC/S35R Mark II cameras. The Academy Award-winning Canon K-35 25-120mm macro zoom, plus high speed fixed focus Canon aspheric lenses; a complete line of lightweight location type quartz lighting, including the Aero-Kit with two focusing spots and one focusing broad with three unique stands with ingenious constructed extendable leg design, crystal oscillator for Nagra III and IV; crystalok model CRBL-5, crystal motor controller for Arriflex 16BL; Arriflex 35 with CP's exclusive "Hard Front" design, permitting use of high speed, BNC mounted lenses.

Personnel: Ed DiGiulio, Peter Waldeck, Abbott Sydney, Ed Clare

Communication Arts, Inc. **Booth 50**
Box 478, Bernardsville, NJ 07924

Exhibiting: New POM Indicator to accurately check 24/25 fps speed of crystal-controlled cameras as companion for your light meter. Universal Crystal Sync Motor Control, the only world-proven, accurate unit interchangeable on all motion picture cameras for cordless sync. Universal Crystal Film Calculator, with total time and 16/35 footage information visible 75 ft away for mixing sound, TV and film production, editing room. Remote control, portable, and attaches to all editing and projection

equipment, silent operation. Super-silent crystal sync camera motors.

Personnel: Courtney Hafela, Blandine Hafela, Robert Ziegler, Averil Strauss

Eclair Corp. of America **Booths 57, 58**
62 West 45 St., New York, NY 10036

Exhibiting: ACL, lightweight-silent 16mm 200- or 400-ft magazines with peripheral take up, hall effect brushless crystal motor; NPR, silent, lightweight 16mm camera with crystal control and 360° image erecting eyepiece; GV-16, high-speed and instrumentation camera, 0-200 FPS; CM3, 35mm or 16/35 Techniscope camera; Battery for ACL or NPR with 2 ampere hours and quick charge; Perfectone Motor, crystal control with variable 8-40 FPS shutter opening device. Available complete line of Angenieux lenses including 9.5-57 f1.6 lens. Zeiss 10-100 CA-1 mount f2.8 Canon 12-120 f2.2 macro zoom lens focuses down to 1mm. Canon 14-84 f/2 super 16 lens.

Personnel: Eric D. Falkenberg, Leo Lukowsky, Sam Getzoff, Wally Pohring, Bernard O'Doherty

Ediquip Corp. **Booth 25**
905 Cole Ave., Hollywood, CA 90038

Exhibiting: Ediquip editing equipment. Synchronizers, rewinds and other general editing equipment.

Personnel: Jim Frank, Joann Dewing, Joe Paskal

Elemack **Booth 64**
via Poggibonsi 15, Rome, Italy

F & B/Ceco **SOS Photo-Cine Optics Inc.**
Booths 40, 41, 42

315 W. 43rd St., New York, NY 10036

Exhibiting: World's largest "department store" for motion-picture, television, and audio-visual equipment sales and rental, featuring: The Asaca ACC 5000 portable broadcast color television camera; BNC Reflex motion-picture cameras modified for color video pick-up system; video viewing modules; Shibaden and Magnavox video equipment; the MIT-Hampton-Leacock super 8 film system; 35mm portable Tokiwa tungsten-halogen projectors; Intercinema sound readers; Anton-Bauer battery systems, Pro-Jr. magnesium fluid head tripods, SOS editing equipment, CIR Splicers.

Personnel: Arthur Florman, Carl Porcello, John Babb, Walter Druker, Ron Groen, Bob Vehling, Irwin Ungerleider, Hy Roth, Otis Bruce, Mike Sloun, Bob Poole, Andy Goold, Stewart Martin

Frezzolini Electronics Inc. **Booths 16, 17**
7 Valley St., Hawthorne, NJ 07506

Exhibiting: Production models of the new LW-16 single/double system sound camera will be displayed as well as the standard line of Frezzi-Cordless cameras, models MC-571-AC, MC-571-DC and the Frezzi dc-conversion of the SSIII. A full line of accessories for the above mentioned cameras will be displayed including the Frezzolini MCA-16 and TOS-CA side-mounted amplifiers. Frezzolini power supplies/belts delivering power requirements for the Arri-S to the Mitchell BNC will also be displayed.

Personnel: James Frezzolini, James Crawford, Jack Frezzolini, Sylvia Frezzolini, Joan Crawford, Lena Frezzolini, Joan Paliotta, Howard Sornstein, Martin Caekalski

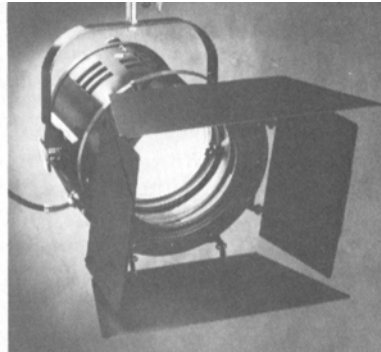
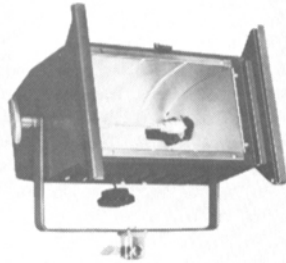
General Electric Lamp Business Div. **Booth 19**
Nela Park, Cleveland, OH 44112

Exhibiting: Quartzline® tungsten-halogen lamps for motion-picture and television production, including new 1500-W and 2000-W "scoop lamps."

Personnel: C. S. Bramley, J. A. Capo, J. P. Caroli, C. N. Clark, R. T. Deer, J. R. Finley, M. S. Guarino, B. D. Price

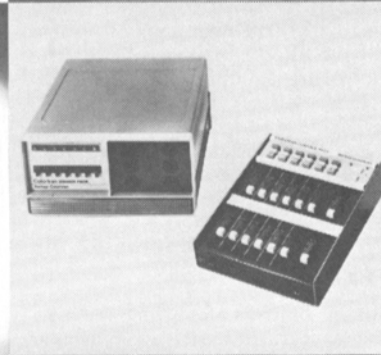
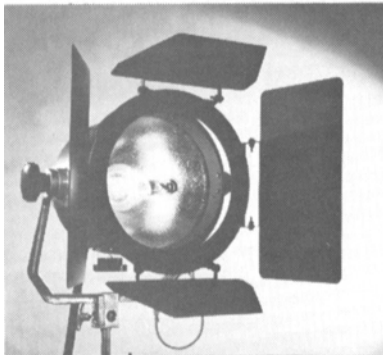
When it comes to lighting, are you shooting in the dark?

COLORTRAN FILL LIGHTS.
Excellent for fill, base or flood lighting. Models available: Mini-6 to Multi-Broad. Lamps: 500 to 1000 watts.



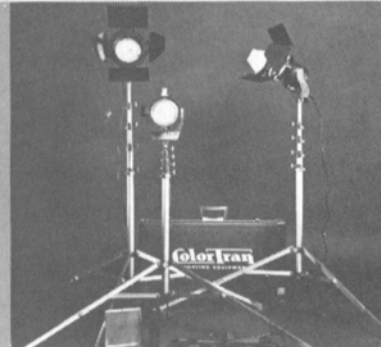
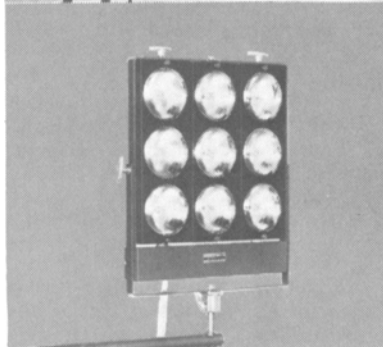
COLORTRAN FRESNEL LIGHTS. For key lighting with a kick. Ring Focus Fresnels: 8", 10", 12"; Lamps: 1000-5000 watts. Sweep Focus Fresnel: 6"; Lamps: 750-1000 watts.

COLORTRAN KEY LIGHTS.
For key, back, kicker or side lighting. Models available include the Mini-Pro and the Multi-6, 10, 20. Lamps: 250 to 2000 watts.



COLORTRAN ELECTRONIC DIMMING SYSTEM.
Dimmer Pack features six 2400 watt fully filtered solid state dimmers protected by magnetic circuit breakers. 2-Scene preset operation.

COLORTRAN PUNCH LIGHTING. For punch, punch fill and daylight fill lighting. Models available include the Mini-Brute 6 and 9 and the Maxi-Brute 4, 6, 9. From 3900 to 9000 watts.



COLORTRAN MINI-PRO KIT. A light-weight spot lighting kit for studio or location. Comes with 3 Mini-Pro 600 watt lamps and accessories.

You need what you need. And you don't want to worry about whether or not your supply house carries it.

Well, Camera Mart has it all. Quartz. Brutes. Spots. Dimmer Banks. Babies. Fills. And all the accessories that go with them.

Every type, Every brand. New or used.

And if you have questions about what's best for a particular shooting, our experts can give you power-saving, money-saving, time-saving suggestions. In short, we've got all the equipment and all the answers. Try us.

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See Us At The S. M. P. T. E. Show Booths 53, 54, 55, 56.

General Enterprises, Inc. Booth 49
10518 Detrick Ave., Kensington, MD 20795

Exhibiting: Steenbeck film editing machines, featuring the all new ST 1400 35MM, 4-plate editor. Of compact size offering all the fine features for which the name Steenbeck is known the world over. Brilliant picture, extremely quiet operation, excellent sound, synchronizing points, new optical compensator, high-speed switching, accurate brake on one frame and modular drive system give the equipment its reliability. The Kinax Cue Marker II, a fully automated cue patch system for motion-picture printing and TV projection equipment have RF sensing devices.

Personnel: William A. Engstler, Milton R. Schoch, Edward J. Mello

GTE Sylvania Inc. Booth 30
100 Endicott St., Danvers, MA 01923

Exhibiting: Its line of lamps for TV and Film studio lighting. Also, it will show the portable Sun Gun Systems for remote lighting. GTE Sylvania will feature a new line of tungsten-halogen projector lamps specifically designed for the TV film chain. Use of these new lamps will allow the upgrading of present equipment to the advantages of the tungsten-halogen lamp. The prime advantages are continuity of light output and color characteristics for the life of the lamp. Life is approximately two times the presently available types.

Personnel: Jim Davis, Clif Durkee, Jim O'Keefe, George Butterfield, Dick Smith

Guillotine Splicer Booths 47, 48
45 Urban Ave., Westbury, NY 11590

Exhibiting: Full line of Guillotine Splicers, featuring the new wrap-around 16mm Guillotine splicer, the new wrap-around super 8mm splicers, plus the complete wrap darkroom splicers (16mm and 35mm). The new Guillotine panel contact printer, the Guillotine panel power film slitter, Guillotine positive core lock adaptors plus other commodities.

Personnel: Lenny Dickstein, Barry Green, Walter Weinberg, Maxine Dickstein, Harvey Green

Hazeltine Corp., Industrial Products Div. Booths 44, 45

Cuba Hill Rd., Greenlawn, NY 11740

Hervic Corporation/Cinema Beaulieu Booth 15
14225 Ventura Blvd., Sherman Oaks, CA 91403

Exhibiting: Beaulieu "New 16" professional single/double system 16mm sound camera; Beaulieu 16mm and Beaulieu super-8 motion-picture cameras; Heurtier super-8 and dual 8 motion picture projectors; Hervic/Minette 16mm and super-8 viewer editors; Stellavox professional sound recording equipment; Uher ¼-in. tape recorder units; Hervi-Quartz portable location lighting equipment; and Hervic "Super Mini" and Hervic Hydro-fluid Jr. tripods.

Personnel: Maurice G. Wolfe, Otto Herskovic, Cary Clayton, Frank Savarese, Jack Schnapper

Image Devices Inc. Booth 3
811 N.W. 111 St., Miami, FL 33168

Exhibiting: Jensen Electronics crystal sync products for Arri S, BL, Eclair NPR, recorders; Vega radio mike systems; Continental mount for helicopters; Crystacheck, camera crystal speed verifier.

Personnel: David Haylock, Will Williams, Janet Vaingat

I/O Metrics Corp. Booth 90
1050 Stewart Dr., Sunnyvale, CA 94086

Exhibiting: I/O Metrics experimental video disc system which has been designed for the consumer market. The video discs and

playback mechanism will be displayed and demonstrated to show full color and sound capabilities. The system, which utilizes analog recording techniques on film and plays back optically, is compatible with any color TV receiver.

Personnel: Frank D. Neu, Jonathan A. Jerome

KEM Electronic Mechanic Corp. Booths 71, 72, 73
225 Park Ave., New York, NY 10003

Exhibiting: Tables: The KEM Universal 6/8-plate editing table, a complete, truly modular system for 16mm and 35mm, multi-picture and multi-track transport; The KEM Junior 4-plate editing table, a portable, lower-cost table using the same modules as the rest of the KEM system. The high-speed 2-plate search table, for use with any KEM picture module. Modules: Picture modules for super 8, 16mm, super 16, 35mm, 35mm full aperture, Panavision format, Techniscope format. Sound modules for super 8, 16mm edge track, 16mm center track, 16mm center/edge track/stereo, 35mm 3-track, 35mm 4-track. Composite sound modules for 16mm optical/magnetic, 35mm optical. The KEM super rapid editing table: A new motion picture optical system from one of KEM's affiliate companies, flicker-free at all speeds and of single sprocket design.

Personnel: Ulrich Fritzler, Robert Rowen, Jutta Fader, Peter Weibel

Laumic Co., Inc. Booth 38
35 W. 45 St., New York, NY 10036

Exhibiting: The full line of Moviola equipment including the M-77-16 Moviola Console Editor and complete accessories. Also shown will be the Moviola Jr. Tabletop Editor consisting of 3 gang motor driven synchronizer built-in with 3 mag heads, footage counter, built-in solid state amplifier, famous M-50 Viewer. Also shown will be the New M-82 Converta Tape Splicer. In addition, the full Laumic line will be shown including the IC-30 solid-state amplifier, editing tables, back racks, chairs, bins, etc. Also shown the Bauer interlock 16/16 projector.

Personnel: Ted Powers, Stuart Mann, Arnold Scott, Joe Wernick, Mark Wernick, Nick Holovinsky, Stephen Pitre, Sheldon Lapsley, Bobby Campos, Deanna Smithline

Lowel-Light Manufacturing Inc. Booth 89
421 W. 54th St., New York, NY 10019

Exhibiting: Our complete line of location lighting equipment, including: The Lowel Tota-System, Softlight, Quartz "D" & "R," Link System, Variflector II, and original Lowel-Light.

Personnel: Ross Lowell, Marvin Seligman, Tony Karp

Magnasync/Moviola Corp. Booths 31, 32, 33
5539 Riverton Ave., N. Hollywood, CA 91601

Exhibiting: Introducing our the 2-plate editor, which will interlock with all Moviola M-77 units. M-77 flatbed editor; 35mm upright editor; M-79 Moviola Jr.; M-50 16mm viewer; M-82 converta splicer; rewinds, synchronizers and related accessories. Magnasync Studio Equipment: 2200 Series Recorder/Reproducer 16mm; 2216 Series Triple Dubber with inching knobs and complete interlock system; G962 Solid-State mixer and accessory items related to magnetic film recording.

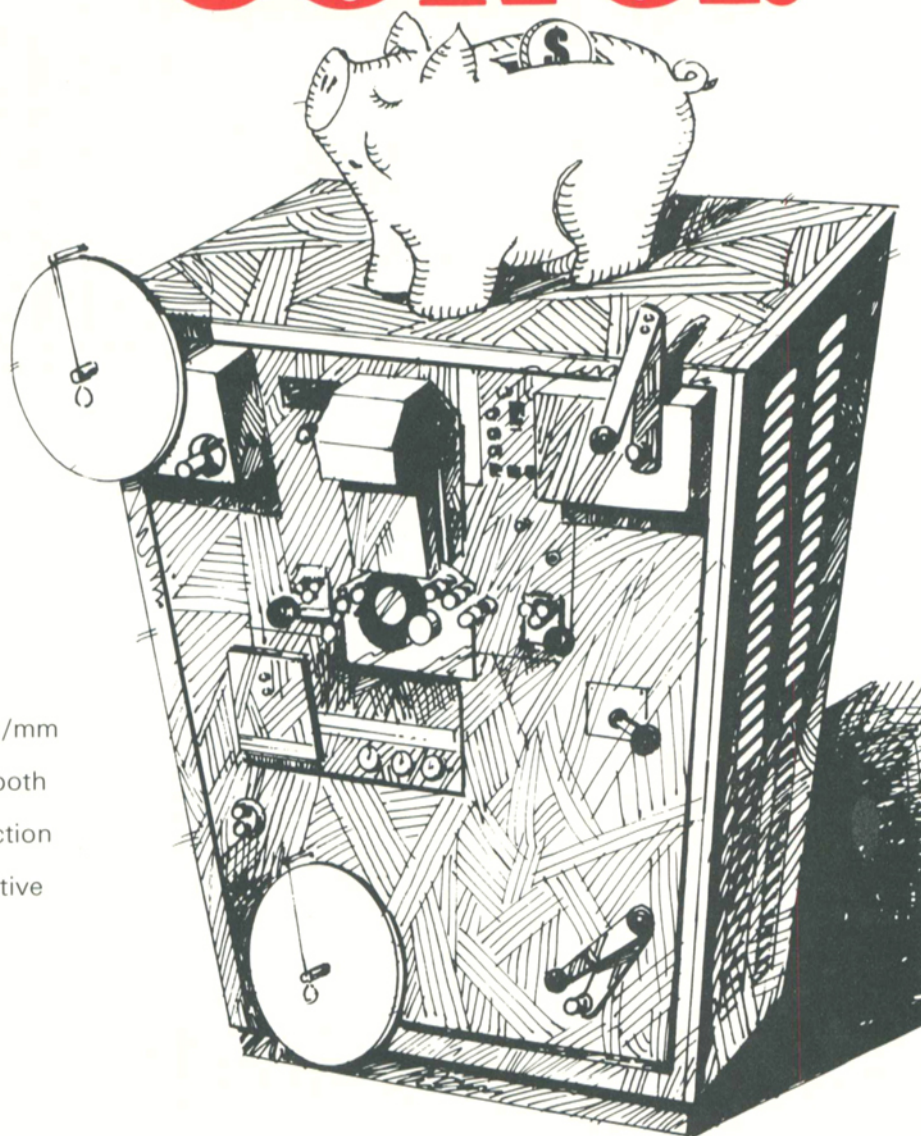
Personnel: L. S. Wayman, W. H. Mills, Carl Nelson, Ted Diamond, Irv Brodsky

Mead Technology Laboratories Booth 21
Research Park, Dayton, OH 45432

Exhibiting: First time ever shown, the new revolutionary Mead Ferri Solution Management System Fe 7207, the new Mead Dichromate Solution Management System Cr 7203, and the new Mead Fix Solution Management System. These systems employ a new automatic replenishment, recycling and regeneration technology which can save the cost-conscious motion-picture processing laboratory up to 85% in replenisher chemical costs. Sys-

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high quality, high speed
continuous optical super 8
reduction printing

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tems are applicable to bleach and fix utilized in ME-4/ECO, ECN, ECP or EA-5 process.

Personnel: Dave Kelch, Walter Kraus, Keith Erb, Harry Parsonage

Metro/Kalvar Inc. Booth 36
745 Post Rd., Darien, CT 06820

Exhibiting: Metro/Kalvar ultrasonic film splicers, Models 2001 and 2070, for splicing super 8, 16mm, 35mm, and 70mm polyester base raw stock or prints without scraping emulsion or base.

Personnel: A. W. Hall, Jr., W. A. Muttitt, W. I. Vance, J. L. Wassell

Mole-Richardson Co. Booths 1, 2
937 N. Sycamore Ave., Hollywood, CA 90038

Exhibiting: 120-V Molepower wet-cell battery pack and charger kit, 2,000-W Molequartz 2K Baby Softlite, 2,000-W Molequartz Molelipso pattern light. Focusing Quartz family: 650-W Teenie Mole, 1,000-W Mickey Mole, 2,000-W Mighty Mole. Quartz Solarspot family: 1,000-W Baby Baby, 2,000-W Baby Junior, 5,000-W Baby Senior, 10,000-W Baby Tener, 200-W Midget Solarspot, 1,000-W Baby Solarspot, 2,000-W Junior Solarspot. Molefay family: 650-W One-Light, 2,600-W Four-Light, 3,900-W Six-Light, 5,850-W Nine-Light Molefay; 1,000-W Molepar, 6,000-W Molequartz Six-Light Molepar. On display will also be quartz broods, scoops, softlites, nooklites and a variety of light kits and a car kit. Also telescoping hangers and adapters, hangers for hanging and mounting fixtures. Grip equipment and special effects.

Personnel: Howard R. Bell

Motion Pictures Enterprises, Inc. Booth 46
Tarrytown, NY 10591

Exhibiting: Motion picture supplies and equipment: 16mm,

35mm, 8mm and super 8 reels, cans and shipping cases, plastic and metal; professional editing and laboratory equipment and supplies; magnetic film, 16mm, full coat, 35mm, full coat and striped; film storage equipment; Marguet splicers. Directories: Motion Picture, TV and Theatre Directory; Motion Picture and TV Wall Chart; MPE Audio Visual Source Directory. Silver recovery units.

Personnel: Herbert R. Pilzer, Sylvia Jarvis, John B. Low, Alex Siodmak, John Gross

Nagra Magnetic Recorders, Inc. Booth 27
19 W. 44th St., New York, NY 10036

Exhibiting: Nagra SL Recorder; Nagra SNN Recorder.

Personnel: L. L. Ryder, R. Cogswell, R. Leonard, D. Notto, L. Heyman, T. Daniel, H. Sachs, P. Loutzker, C. Napoli, A. Clark

O'Connor Engineering Laboratories Booth 18

Oxberry, Div. of Richmark Camera Booth 39
516 Timpson Pl., Bronx, NY 10455

Exhibiting: Animation equipment.

Personnel: Richard McCarthy, Mark Ackerman, Alfred Thumin, Mike Hamilton

Paillard Inc. Booth 35
1900 Lower Rd., Linden, NJ 07036

Exhibiting: Bolex 16 PRO camera for single-system and double-system sound filming; Bolex 421 magnetic sound projector; Bolex H-16 cameras, including the EBM model with automatic Vario Switar lens; and accessories for double system sound filming. Also, Bolex super 8 cameras and projectors.

Personnel: Fred Onderka, Ernest Wildi, Howard Falvey

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The New Acme Model 105 Electronic Optical Printer is not just another pretty printer!

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Acme Products Division
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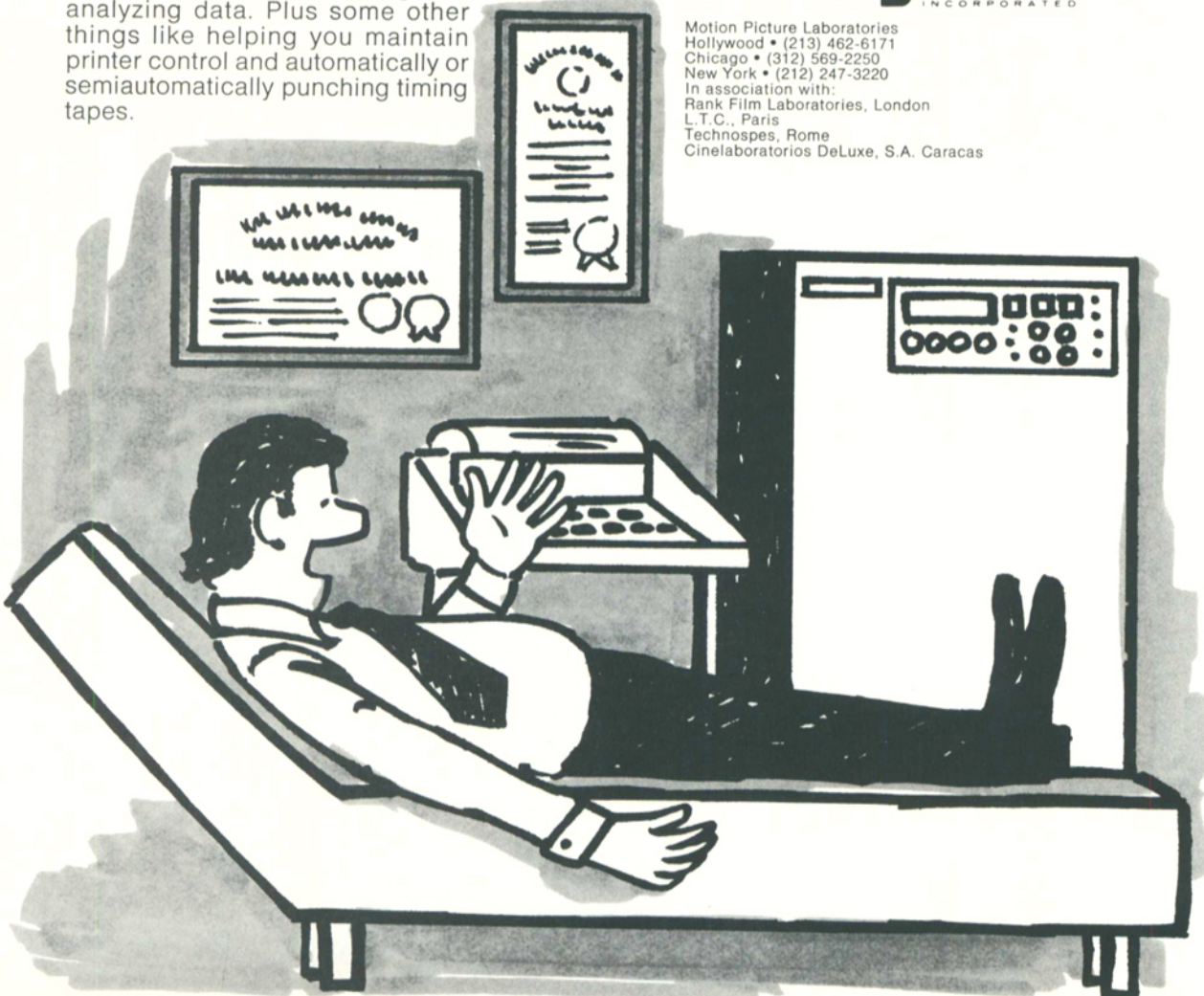
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Plastic Reel Corp. of America
640 S. Commercial Ave., Carlstadt, NJ 07072

Booth 26

Exhibiting: Plio-magic film reels, film cores, film cans, shipping cases, video tape reels, audio tape reels, custom shipping cases, New PRC tape film splicers, Plio magic film splicing tape, both in 16mm, 35mm and new super 8mm professional splicer and tape. Also will show new line of PRC integrated circuit amplifiers, both 2 and 4 track input. Plio-magic film leader.

Personnel: Allan Braverman, Daniel A. Sherman, Rita Rasnick, Milton Blutter

Precision Laboratories, Div. of Precision Cine Equipment Corp.
999 E. 46th St., Brooklyn, NY 11203

Booth 10

Exhibiting: A new product line of Precision film editing systems for 16mm and Super 8mm films. Precision sound readers, "united" film synchronizers and the Precision senior 16mm viewer will be shown. High speed slitting equipment and loop elevators will be demonstrated at this exhibit.

Personnel: Irwin R. Sheldon

PSC Technology Inc.
1200 Grand Central Ave., Glendale, CA 91201

Booths 69, 70

Exhibiting: Acme Model 103 aerial image optical printer, 16/35mm, complete with PSC/Opcomatrix additive color lamp-house. Acme Series 100 liquid gate support system, Acme Series 103 liquid gate-16/super 16mm and Acme Series 104 liquid gate — 35mm. Acme Model 7000 Sensitometer, Acme/Richardson Animation Equipment and Focatron.

Personnel: Donald E. Stults, Nickolas J. Mastrogiavanni, Lee Shroul

Rosco Laboratories Inc.
36 Bush Ave., Port Chester, NY 10573

Booth 34

Exhibiting: Light and window source filters for color cinematography that includes: New Rosco diffusion materials, reflection media, color media for lighting effects, fluorescent correction media, conversion media, breakaways for special effects, new scenic design materials. Among the many products demonstrated will be (1) Tough Spun, (2) Soft Frost (3) ½ Density Soft Frost (4) Minus Green (5) Tough Plusgreen 50 (6) new Rosco Matte diffusion material. Standard daylight correction and light reducing neutral density filters will also be shown.

Personnel: Stan Miller, Len Kraft, Salli Sabol, Glyn Pritchard, Nick Brywon, Stan Schwartz, Marc Dorian, John Murray

Wilcam Photo Research, Inc.
8619 Yolanda Ave., Northridge, CA 91324

Booth 77

Exhibiting: Wilcam W-2 + 4 lightweight all magnesium 16mm single/double system sound camera with mirror reflex shutter. This complete concept in camera design incorporates a mirror shutter, four internal filters that can be instantly selected, an amplifier that becomes an integral part of the camera but can be removed at will. Viewfinder includes TTL light meter, audio level VU meter and analog footage counter. The 12V dC motor is crystal-controlled at 24/25 fps plus 36 fps. Batteries are 1 hour charge nicad. An ultra lightweight (18 ozs.) Mitchell fitting 200 ft magazine will also be shown.

Personnel: Geoff Williamson and Gary Koester

Gordon Yoder, Inc.
2840 Reward Lane, Dallas, TX 75220

Booth 4

Exhibiting: Yoder Crystal 16 news and documentary film camera for single and double system.

Personnel: Gordon Yoder

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the model 2001

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It's Portable—

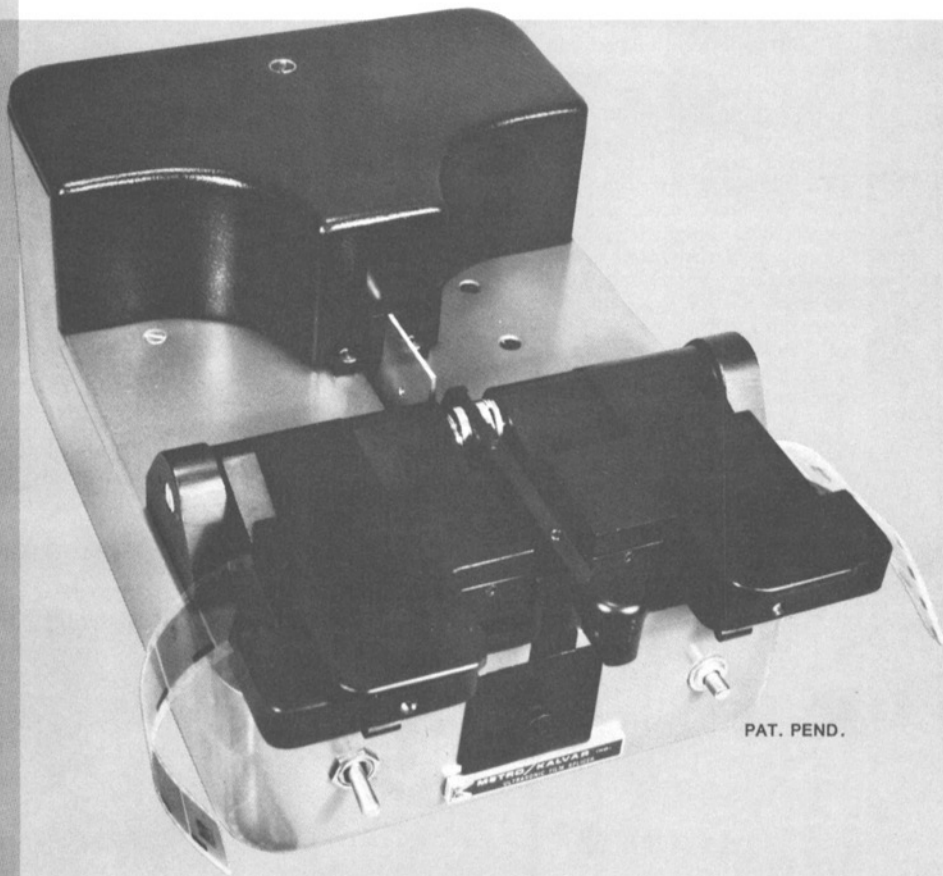
7¾" x 11½" x 6½" (19.7 x 29.2 x 16.5 cm) weight: 17 lbs. (7.65 kg.)

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