

# The 122nd SMPTE CONFERENCE AND EQUIPMENT EXHIBIT

9-14 November 1980, New York Hilton Hotel, New York City

For many, this Conference is the once a year opportunity of meeting informally with others in their field, and again, SMPTE has several important social events planned. Among these are a Sunday evening event, Awards Luncheon, Fellows Luncheon, Wednesday evening banquet, the daily Coffee Club and a full week of activities for spouses.

In all, this Conference promises to be highly rewarding for all who attend. The Program Chairman is **Richard S. Marcus**, Rombex Productions Corp., and the Local Arrangements Chairman is **William L. Cooper**, WPIX, Inc. The SMPTE Conference is under the direction of Conference Vice-President **Harry Teitelbaum**, Hollywood Film Co. The program portion of the Conference is under the supervision of Editorial Vice-President **K. Blair Benson**, Video Corp. of America.

## Awards Luncheon

SMPTE's annual Conference luncheon is being held on *Monday*, 10 November, and will feature the presentation of SMPTE awards which recognize outstanding achievements in motion pictures and television and service to the Society. The fee for the luncheon is included in the paid weekly registration package.

## SMPTE Banquet

On Wednesday evening, 12 November, SMPTE will hold its annual banquet, cocktail party and dance, in the Grand Ballroom of the Hilton Hotel. Companies wishing to reserve tables at the banquet should get in touch with **Kurt Wulliman**, 3M Co., Photographic Prod. Div., 321 W. 44th St., New York, NY 10036. Tables will be reserved on a first-come, first-served basis.

## Spouses Program

Spouses attending the 122nd Conference are in for an exciting week of activities according to Chairman **Mrs. Pucki Pilzer**. The following is a tentative schedule for the week, which is subject to change. A complete and final schedule of activities will be printed in the Conference Program. Sunday afternoon, 9 November: Ladies Lounge open for tea and registration. Monday morning, 10 November: A lecture by a famous author; in the afternoon, a tour of the Museum of Modern Art, or a visit to the Manhattan Arts and Antiques Center. Tuesday, 11 November: A choice of an architectural tour of New York, including the Cloisters, or a visit to Washington's Headquarters at the Ford Mansion. Lunch at the Manor. Wednesday morning, 12 November: Coffee and a fashion show at Saks Fifth Avenue, featuring the latest in European and American designer fashions and furs by Revillon, as well as an international shopper's tour of Saks. Thursday, 13 November: A visit to the Frick Collection and lunch at Maxwell's Plum. In the afternoon, there will be a lecture on "How to Buy at Auctions" at the Parke-Bernet Galleries, with an auction of prints following the lecture. Should there be sufficient interest, another choice for Thursday may be a day in Atlantic City, including a casino show and buffet lunch. Friday, 14 November: A choice of bargain shopping and lunch on the lower East Side, or a special tour of the United Nations including lunch in the Delegates' Dining Room, followed by a brief tour of the United Nations Television Studios. Since the UN will be in session, the group will be given a special briefing on what is currently being discussed.

## Committee Meetings

SMPTE Engineering Committees will meet during the 122nd Conference. Committee members will be notified by letter of the dates and times of their meetings. Editorial activities during the Conference include a joint meeting of the Publications Advisory Committee and the Board of Editors.

## Coffee Club

The Coffee Club for the 122nd Conference will be open Monday through Friday and will be sponsored by Fuji Photo Film U.S.A.

## Association of Cinema and Video Laboratories

The ACVL will meet at the New York Hilton on Friday and Saturday, 7 and 8 November. On Friday there will be a Board of Directors meeting followed by a dinner for laboratory principals. On Saturday there will be a members' meeting all day, beginning with a Laboratory Members' meeting at 8:30 a.m., and a symposium of papers on Laboratory Techniques, with a break at noon for lunch. SMPTE members are invited to attend the symposium.

## Sponsored Social Events

Eastman Kodak Co. will sponsor an evening of food and entertainment on Sunday, 9 November, for all registrants. Magna Tech Electronic Co., Inc. will sponsor the refreshments at the Fellows' Luncheon on Tuesday. Sony Corp. will sponsor the entertainment and music at the Wednesday evening banquet. Hazeltine Corp. will be the sponsor for refreshments prior to the Banquet. The Coffee Club will be sponsored by Fuji Photo Film U.S.A.

## Advance Registration Pick-up

For those arriving at the New York Hilton on Saturday, 8 November, advance registration packets can be picked up at the ACVL Registration Table. From Saturday noon until Sunday noon, advance registrations can be obtained on the Second Floor Promenade of the hotel. From Sunday noon on, advance registrations will be available at the SMPTE registration area, also on the Second Floor Promenade. On-site registration will commence on Sunday, 9 November, at noon.

## Registration Rates

	Before Oct. 10	After Oct. 10
Member Weekly* . . . . .	\$135.00	\$150.00
Nonmember Weekly* . . . . .	150.00	165.00
Spouses Weekly* . . . . .	35.00	40.00
Member Daily . . . . .	45.00	50.00
Nonmember Daily . . . . .	50.00	55.00
Student Nonmember . . . . .	5.00	5.00
Awards Luncheon . . . . .	25.00	25.00
Fellows Luncheon (Fellows Only) . . . .	15.00	15.00
Banquet . . . . .	35.00	35.00

\*Member, Nonmember and Spouses Weekly registrations include the Awards Luncheon. Free registrations for Student Members, Life Members and Life Fellows will be available at the Conference only.

# Advance Program

This Program contains the most accurate and complete information available at the time of publication, listing papers within each individual session. Although the sessions described here are firm, some papers may be omitted or rearranged before the Conference. Inquiries about specific papers or sessions should be addressed to Society Headquarters, Att: 122nd Conference, **Lynne Robinson**, Conference Programs Manager, (914) 472-6606; or to Program Chairman **Richard Marcus**, Rombex Productions Corp., 245 W. 55 St., New York, NY 10019, (212) 757-3681. 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, November 9

**REGISTRATION (from 12:00 noon)**

**ENTERTAINMENT (evening) — Kodak Party**

## MONDAY MORNING, November 10

**REGISTRATION, 8:00 a.m.**

### Conference Opening

Conference Opening Address, Charles E. Anderson, Executive Vice-President, SMPTE.

New Television Technology — Once Over Lightly  
Joseph Roizen, *Telegen, Palo Alto, Calif.*

The Vitaphone System, a film produced by the Bell Labs, explaining the technology of the Vitaphone filmsound system.

### AWARDS LUNCHEON AND RECEPTION

**Grand Ballroom (12:00 noon)**

## MONDAY AFTERNOON

### HISTORY OF BRITISH TELEVISION

The History of British Television  
Phil Sidey, *BBC Network Production Center, Pebble Mill*,  
Robert Longman, A. Pilgrim, *BBC Television*, and  
David Glencross, *Independent Television Authority*,  
*London, England*

## TUESDAY MORNING, November 11

### MOTION PICTURE FILM PRODUCTION

(Concurrent with Television Transducers)

The Development of Color Motion Picture Films: A Personal Perspective

Dr. Wesley T. Hanson, *Consultant, Rochester, N.Y.*

A New Improved Color Negative Film

Elias Drexler, *Fuji Photo Film U.S.A., Inc., New York, N.Y.*

How Would a Feature Shot in Super 16 Compare with One Shot in 35mm on a Theater Screen?

Irwin W. Young, *Du Art Film Laboratories, Inc., New York, N.Y.*

ImageVision,™ Film or Tape?

Gary Matz and Ken Holland, *Compact Video Systems, Burbank, Calif.*

Relation Between the Effective Exposure Latitude of Color Negative Film and the Lighting Parameters

Karel Staes, *Agfa-Gevaert, N.V., Antwerp, Belgium*

A New Filmmaking Concept: Bidirectional Memory in Cameras  
Jean-Pierre Beauviala, *AATON, Grenoble, France*

### TELEVISION TRANSDUCERS

(Concurrent with Motion Picture Film Production)

Video Disc Replication with Photopolymerizable Resins  
Don Kerfeld, *3M Co., St. Paul, Minn.*

Design of a TV Monitor: A New and Accurate System for Lining Up, System Timing, and Sub-Carrier Phase  
*Lenco, Inc., Jackson, Mo.*

A Primer on Television Pickup Tubes

Greg Murphy, *AmpereX, Slatersville, R.I.*

Current Developments in Television Camera Tubes

K. Blair Benson, *Video Corp. of America, New York, N.Y.*

Character Generators and Allied Species

E. Leonard, *DaVinci Research Group, Port Washington, N.Y.*

## TUESDAY AFTERNOON

### MOTION PICTURE NEW FILM AND EQUIPMENT

(Concurrent with Computer Graphics)

A Television Equipment Primer for Filmmakers, Technicians, and Producers

C. Robert Paulson, *AVP Communication, Westborough, Mass.*

A New 35/16 Interchangeable-Format Wet Printer, with Damage Proof Transport

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

Design Challenges in Developing a New 16mm Film Editor

Vernon B. Bushway, Jr. and Robert Olodort,  
*Cinema Products Corp., Los Angeles, Calif.*

3M Photogard

*3M Co., New York, N.Y.*

"SOLVIT": New Innovations in Film Splicing Technology

C. F. Mossman, R. C. Barnett, and R. Sharpless,  
*Rank Film Laboratories, Uxbridge, Middlesex, England*

### COMPUTER GRAPHICS

(Concurrent with Motion Picture New Film and Equipment)

## WEDNESDAY MORNING, November 12

### TELEVISION PRODUCTION AND POST PRODUCTION

The Forces at Work Behind the NTSC Standards

Donald G. Fink, *Director Emeritus, IEEE, Somers, N.Y.*

Productive Coding of Composite NTSC Color Television Signals

*Bell Laboratories, Holmdel, N.J.*

A New Approach to Space Ships and Aerial Scenes in Television Production

Reginald King, *Evershed Power Optics Ltd., Chertsey, Surrey, England*

A Lightweight Portable Broadcast Camera with Optional, Digital Setup Control  
Y. Miyaji, Naotake Morita, and Tamotsu Nizhizawa, *Toshiba Corp., Sunnyvale, Calif.*  
The Cost of Camera Mobility: Part I – Conventional Cameras; Part II – Lightweight Cameras  
W.P. Vinten, *W.Vinten Ltd., Edmunds, Suffolk, England*  
Recent Advances in the Fast Charging of Sealed Nickel Cadmium Batteries  
D. C. Hamill and E. K. G. James, *PAG Power Ltd., London, England*  
The Development of the Zoom Lens  
Dr. Frank Back, *La Jolla, Calif.*  
Automated Enhancement for Portable ENG Recorders  
Yves Faroudja, *Faroudja, Inc., Los Altos, Calif.*, and Joseph Roizen, *Telegen, Palo Alto, Calif.*  
Design Consideration for an Electronic Cinematography Camera  
R. Streeter, *CBS-TV, New York, N.Y.*

## WEDNESDAY AFTERNOON

### MOTION PICTURE LABORATORY TECHNOLOGY

(Concurrent with Problems of Maintenance)

A Collection of Persistence of Vision and Other Motion-Producing Devices, 1830 to the Present  
S. F. Spira, *Spiratone, Flushing, N.Y.*  
Persulfate Bleach and Motion Picture Film Processes  
Richard Sehlin, *Eastman Kodak Co., Rochester, N.Y.*  
REGENOMAT, An Electronic Replenishment System Brings Remote Control to the Operator's Fingertips  
Dr. Yngvar Cramer, *Virginia Tech., Blacksburg, Va.*  
Silver Management in a Motion Picture Laboratory  
Paul L. Deer, *Calvin Communications, Inc., Kansas City, Mo.*  
Challenges to the Concept of Cancellation  
Roland J. Zavada, *Eastman Kodak Co., Rochester, N.Y.*  
The Super Color Master Processor, for Interchangeable 35/16mm.  
I. Ryman and D. Macho, *Houston Fearless 76, Inc., Carson, Calif.*

## WEDNESDAY AFTERNOON

### PROBLEMS OF MAINTENANCE

(Concurrent with Motion Picture Laboratory Technology)

Design of Equipment  
B. Williams, *Ampex Corp., Redwood City, Calif.*  
Design of Plant  
Steven Smith, *Broadcast Technology Corp., Mission, Kansas*  
Diagnostic Techniques  
W. Welland, *System Concepts, Salt Lake City, Utah*  
Care and Training of Good Maintenance Personnel  
Norman Rosenshein, *Unitel Production Services, Elizabeth, N.J.*  
Documentation and Vender Support  
*TBA*  
Panel Discussion with Eugene Leonard, *DaVinci Research Group*, Moderator, and the above authors.

## WEDNESDAY EVENING

Cocktail Party, Banquet and Dance

Grand Ballroom

## THURSDAY MORNING, November 13

### LIGHTING AND SOUND FOR TELEVISION AND MOTION PICTURES

The Development of Stereo Magnetic Recording for Film  
Hazard E. Reeves, *Reeves Teletape Corp., New York, N.Y.*  
The Historical Development of Cinema Architecture, and Its Acoustical Effect on Filmsound Recording  
Ted Uzzle, *Altec, Anaheim, Calif.*  
The Emergence of Cinematographic Lighting Techniques from Those of Still Photography  
Dr. Evan W. Cameron, *Washington State University, Pullman, Wash.*  
High Power Single Ended Discharge Lamps for Film Lighting  
R. Hall and B. Preston, *Thorn Lighting Limited, Leicester, England*  
An Innovative Approach to HMI Fixture Design  
Edwin S. Clare and Joe Tawil, *Cinema Products Corp., Los Angeles, Calif.*  
A Procedure for Optimizing Photographic Sound Recording Systems  
Charles Nairn, *Communications Technology, Inc., Detroit, Mich.*  
CBC Experience in Stereo Broadcasting  
James Kitchen, *CBC, Toronto, Ontario*  
Fixtures for Tungsten Halogen Lights  
George Panagiotou, *Cool Light Co., N. Hollywood, Calif.*

## THURSDAY AFTERNOON

### VIDEOTAPE RECORDING

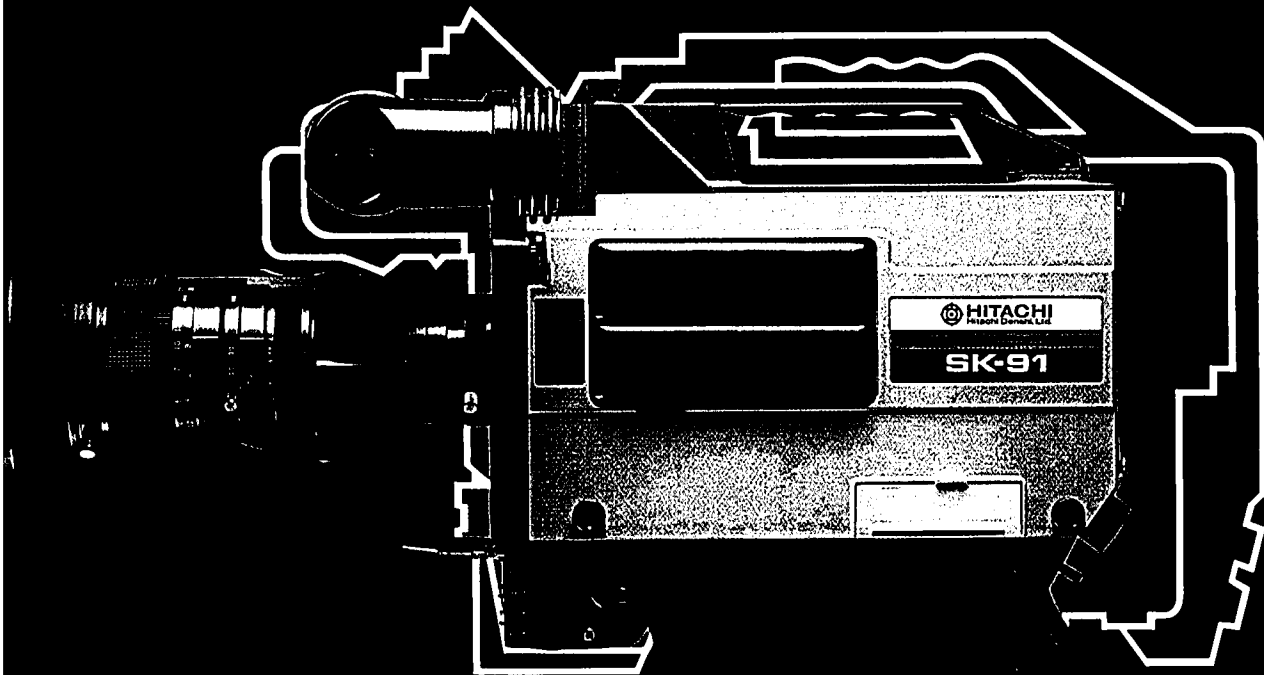
The Rise of Mechanical Television, 1901-1930  
George Shiers, *Santa Barbara, Calif.* Presented by S. Chamberlain.  
The Development of the Video Tape Recorder  
Charles P. Ginsburg, *Ampex Corp., Redwood City, Calif.*  
Videotape Post Production: Operating Procedures 1980  
Lawrence J. Kreeger, *EUE Video Services, New York, N.Y.*  
VIDEOSCOPE: An Accurate Method for Certifying, Timing, and Analysis of RS-170A Systems  
Bruce Blair, *Lenco, Inc., Jackson, Mo.*  
The I.V.C. 1-11: A Different Approach  
David J. Edmonds and Peter C. Lowten, *International Video Corp., Sunnyvale, Calif.*  
HBU and Portable HBU Video Tape Recorders  
Sid McCollum, *Recortec, Mountain View, Calif.*  
The New RCA One-Inch Type C Helical VTR  
L. V. Hedlund, *RCA, Camden, N.J.*

## FRIDAY MORNING, November 14

### DIGITAL TELEVISION

Status Report: SMPTE Task Force on Component Digital Recording  
Frank Davidoff, *Consultant, New York, N.Y.*  
What Do We Expect from Digital Video Equipment  
Frederick M. Remley, *Univ. of Michigan, Ann Arbor, Michigan*  
Progress Report on the Study Group on Digital Tape Recording  
W. G. Connolly, *CBS-TV, New York, N.Y.*  
Kenneth Davies, *Canadian Broadcasting Corp., Montreal, Canada*  
Digital Audio Technology, Today and Tomorrow  
Toshi T. Doi, *Sony Corp., Kanagawa, Japan*  
The Advanced Video Tape Editing/Dubbing System in NHK  
K. Sata, T. Ogawa, and I. Obata, *NHK, Tokyo, Japan*  
SqueeZoom Digital Video Effect Unit  
Sidney Dodd, *VTR Productions Ltd., Toronto, Ontario.*

# A Broadcast Breakthrough of Minor Proportions.



## Hitachi SK-91... Critical inches shorter and precious pounds lighter.

Creating the world's smallest, lightest ENG/EFP broadcast camera was no small accomplishment. But making it so without sacrificing a single spec or capability qualified as a genuine breakthrough.

Of course, the beneficiary of our advanced engineering is you. You get all the performance that high technology has to offer in a more compact, efficient package. (Cameramen are amazed at the SK-91's responsive, featherlight handling.)

Image quality naturally adheres to the highest broadcast standards, with your choice of Saticons, Plumbicons®, or diode guns®, attaining up to 57dB and 600-line resolution. Why not call your local Hitachi

regional office and schedule a thorough in-person evaluation of the SK-91? We think you'll agree that a breakthrough of minor proportions can be of major advantage to you.

### SK-91 SPECIFICATION HIGHLIGHTS

- Weight: 9-1/2 lbs.
- 57dB S/N ratio and 600-line resolution
- Auto digital white and black balance
- True ABO
- 2 ft. candle sensitivity
- Extremely quiet +9/+18dB gain
- Optional triax/digital unit
- Studio accessories for added versatility

©Registered trademarks of N.V. Philips



**HITACHI**  
Hitachi Denshi America, Ltd.

Tomorrow's Technology Today

175 Crossways Park West, Woodbury, N.Y. 11797 (516) 921-7200

• New York • Chicago • Los Angeles • Atlanta • Cincinnati • Dallas • Denver • Seattle • Washington, D.C.

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

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

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

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



**No test instruments are required.**

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

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

**Made in accordance with SMPTE Recommended Practice RP 96**

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

#### *Video*

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

#### *Audio*

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

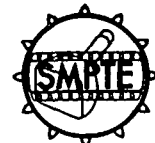
#### **Order Now.**

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

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

Mail to:

**SMPTE Test Tape  
862 Scarsdale Ave., Scarsdale, NY 10583**



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

Name \_\_\_\_\_

Company \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Telephone Number \_\_\_\_\_

# Exhibit Directory

See floor plan p. 770.



## AATON Cameras, Inc.

1697 Broadway, New York, NY 10019

*Exhibiting:* AATON 7 LTR 16mm camera: extremely silent running, ergonomic-design, excellent image steadiness, built-in video tape, and super 16 option. SCRIBE: This recently patented system brings a new concept to filmmaking; daily transcripts direct from the cameras and sound recorders. Magnetic tape printer: This machine takes the time addresses from 1/4-in. tape recorded on Nagra 4 or Stellavox SP8 (AATON supplies a simple circuitboard for rapid installation in these sound recorders) and prints them in white arabic figures onto the perforated 16mm magnetic tape during transfer.

*Personnel:* Guy Gennon, Carolyn Brooks, Thora Van Male.

Booth 136

*Personnel:* Sean Kipp Rabbitt, Jeff Brooke-Stewart, Raleigh Utterback, Stan Lovitz, Ron Goga, Greg Murphy.



Booths 16, 17, 18,  
28, 29, 30, 31

## Ampex Corp.

401 Broadway, Redwood City, CA 94063

*Exhibiting:* Production and post production systems, videotape recorders, time base correctors, broadcast television cameras, graphic art systems and magnetic tape.

*Personnel:* C. A. Steinberg, D. V. Kleffman, L. Cochran, P. Vartanian, M. Sanders, J. Diermann, A. Slater, F. Nault, P. Hansil, T. Nielson, R. Ide, F. Rush, M. D'Amore, C. Anderson, C. Kennedy, G. Brill, W. Carpenter, G. Rose, J. McGilvray, G. Easton, R. Natwick.

Booth 156

## Acmade International/Eastern Editing Equip. Co.

630 Ninth Ave., New York, NY 10036

*Exhibiting:* Acmade Compeditor editing machine.

*Personnel:* Brian Drinkwater, Brian Weirda, Bob MacGowan.

Booth 107

## Anton/Bauer, Inc.

66 Center St., P.O. Box 616, Shelton, CT 06484

*Exhibiting:* LG-30 lighting gun, SCD silver cell equalizer, SVDS NiCad/silver battery discharger, Super D System NiCad D cell battery and accessories, Com-Batt System NiCad C cell battery and accessories, Snap-On silver zinc system, video and lighting belt systems.

*Personnel:* Joseph J. Lantowski, Anton Wilson, Gulnar Jeffries, George Bauer, Elaine Jackson, John Corrigan.

Booths 213, 214, 215, 216

## ADDA Corp.

1671 Dell Ave., Campbell, CA 95008

*Exhibiting:* VW-1 and VW-2 digital frame synchronizer; ESP systems, electronic still processor with computer library control systems; VIP-II, video compressor.

*Personnel:* Mike Maldonado, Jesse Blount, William Hendershot III, Bill Boreman, Joe Hering, Duane Tuttle, Sheila Holmes, Mary Frange, Dick Strauss, Herb Didier.

Booths 145, 146, 147, 148  
149, 150, 151, 152



## Arriflex Corp.

One Westchester Plaza, Elmsford, NY 10523

*Exhibiting:* Complete display of Arriflex motion picture equipment including 16mm and 35mm cameras and accessories, image stabilizer, HMI lighting system, Zeiss super speed lenses, Sachtler camera support system, Arri editing console.

*Personnel:* Richard B. Schreiber, Abbott Sydney, Jurgen Schwinzer, Uwe Gallert, Frank Karlsson, Volker W. Bahnemann, Horst Bergmann.



## Agfa-Gevaert, Inc.

275 North St., Teterboro, NJ 07608

*Exhibiting:* PEV 500 2-in. Quadruplex videotape in 1/2, 1, and 1 1/2 hours. 247 1-in. type C videotape in 1/2, 1, and 1 1/2 hours. PEV 247 3/4-in. bulk U-Matic videotape. PEM 468 studio mastering tape in 1/4-in., 1/2-in., 1-in. and 2-in. configurations. PEM 428 2-in., 1-mil mastering tape.

*Personnel:* Maria Curry, Dave Rubenstein, Robert E. Kleine.

Booths 193, 194



## The Allen Products Co.

180 Wampus Lane, Milford, CT 06460

*Exhibiting:* Allen personnel will be at the booth to talk to interested customers about their custom-built motion picture processors and accessories. Literature will be shipped and equipment can be seen either at our factory or at customer locations in New York City. Also exhibited will be a Rotex 7309 solution management system.

*Personnel:* Ron Bailer, Bill Scholz, Bob Stiles, Bill Bloomingdale.

Booth 58



Booths 234, 235

## Arvin/Echo Science Corp.

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

*Exhibiting:* EFS-1A (Frame-Stor™ Recorder); SS-2 Slide-Stor™ System; Slo/Mo™.1 (slow-motion, freeze/frame select, editing); The Image Maker (EFS-2)®; animation effects, motion loops, 500 images on-line; The Squeezer™ (reduces live or still video images).

*Personnel:* Dennis Shelton, John Romenko.

Booth 254

## ASACA/Shibasoku Co.

1277 Rand Rd., Des Plaines, IL 60016

*Exhibiting:* Portable production system ASW200 (NEW), video noise meter with computer interface, color monitors (20-in., 14-in., 10-in.), envelope delay measuring set, color pattern generator, test signal generator with computer interface, battery operated color bar generator, white balance checker.

*Personnel:* C. Miller, R. Shult, M. Dryer, T. Shigezaki, E. Ezoc, M. Kobayashi.

Booths 32, 33

## American Data

401 Wynn Dr., P.O. Box 5228, Huntsville, AL 35805



## Amperex Electronic Corp.

230 Duffy Ave., Hicksville, NY 11802

*Exhibiting:* Plumbicon® television camera tubes. 30mm bias light, 1-in. ACT and 2/3-in. for studio and portable cameras. 30mm, 1-in. and 2/3-in. low capacitance diode gun™ tubes.

Booth 34

Booth 166

## Audio Kinetics (UK) Ltd.

4721 Laurel Canyon Blvd. #209, N. Hollywood, CA 91607

*Exhibiting:* SMPTE time code equipment including Qlock 210 and 310

audio/visual synchronizers with integral autolocators and multistanding generator. High speed readers, time code generators, XT-24 tape locator.

*Personnel:* Dr. Ian Dunn, Carole Copeland, Winn Schwartz, Ian Southem.



**Booths 122, 123, 124**

**Belden Communications, Inc.**

534 W. 25th St., New York, NY 10001

*Exhibiting:* Lee filters — complete line of color effect and color correction media. Also, we will be showing the new Belden/Lee 200W portable HMI operated light and also the new line of CSI/CID lights.

*Personnel:* Michael Sheppard, Paula Boxer, John Lee, Benny Lee, Bob Jeffs, Wally Mills, David Holmes.



**Booths 77, 78**

**Bell & Howell Co./Professional Equip. Div.**

7100 McCormick Rd., Chicago, IL 60645

*Exhibiting:* Modular wet and dry motion picture printers, special effects printers, and printer accessories.

*Personnel:* M. J. Darbyshire, J. M. Ehrenberg, F. J. Gonzalez, D. M. Jones, G. R. Knapp, J. W. Lang, B. A. Rady, D. A. Robertson, J. H. Sage-Johns.



**Booths 85, 86**

**Berkey Colortran, Inc.**

1015 Chestnut St., Burbank, CA 91502

*Exhibiting:* Lighting fixtures, dimmers, distribution, manual and memory controls for television and motion picture studios and location shooting.

*Personnel:* Ken Boyda, Marion M. Rimmer, Franc Dutton, Tom Pincu, Jane Head, Charlie Davidson.

**Booth 111**

**Bogen Photo Corp.**

100 So. Van Brunt St., Englewood, NJ 07631

*Exhibiting:* Complete line of camera supports including 5 tripod models with a choice of 4 heads — one being a new fluid head. Camera stand as well as a system of Cine stands. Background supports and copy equipment.

*Personnel:* Lester Bogen, Bruce Landau, Kriss Brunngraber, Marty Rosenberg.

**Booth 109**

**Bolex (U.S.A.), Inc.**

250 Community Dr., Great Neck, NY 11020

*Exhibiting:* Bolex 16mm electric and spring wound cameras, projectors, lenses, motors, splicers, tripods, and accessories; Bolex super 8 silent and sound cameras, projectors, and accessories.

*Personnel:* Joseph Vasata, Fred Onderka, Jeff Thielen, Ted Mokrzycki.

**Booth 110**

**Brumac Industries, Inc.**

5261 Business Dr., Huntington Beach, CA 92649

*Exhibiting:* Densitometers, including models MP-8 and new micro-processor-enhanced model MPST, for reading sound track and positive and negative color stock. New "Lab Master System," consisting of model MPST, a low cost computer and color monitor plus software developed to assure consistent production of quality interpositives and duplicate negatives.

*Personnel:* Jay and Karen McGarrigle.



**Booth 97**

**The Camera Mart, Inc.**

456 W. 55th St., New York, NY 10019

*Exhibiting:* Ikegami cameras and monitors, Sony Broadcast and industrial equipment, Panasonic, Sharp, Hitachi, Ultimatte, Dynasciences, Videotek Monitors, Arriflex, Elemack, Cinema Products, Eclair, Aaton, power supplies, tripod and support, lighting, sound.

*Personnel:* Samuel Hyman, Paul Meistrich, Shelly Brown, Jeff Wohl, Leo Rosenberg, Herb Browning, Shimon Ben-Dor, George Winslow.

**Booth 206**

**Can-Am Photo Equipment**

1030 St. Alexander St., Montreal, Que., Canada

*Exhibiting:* Animation stand with control console, aerial image with control console, film cleaning machine.

*Personnel:* Charles L. Dell, Charles E. Dell, Henry Cohen, Robert Curry.



**Booths 185, 186**

**Canon, U.S.A., Inc.**

10 Nevada Dr., Lake Success, NY 11042

*Exhibiting:* New J20 × 8.5 wide angle lens; J25 × 11.5B for the 2/3-format cameras; and J13 × 9BIE for ENG cameras.

*Personnel:* Jack Keyes, Mike Momosawa, Ted Sakurai, Joy Wenzlaff, Kenji Saotome, Ken Morishima.

**Booth 174**

**CECO Communication Co., Inc.**

2115 Ave. "X," Brooklyn, NY 11235

*Exhibiting:* Electron tubes, solid state devices, RCA parts.

*Personnel:* Lew Levinson, Ernie Cheslow, Larry Dallis.

**Booth 200**

**Central Dynamics Corp.**

10 W. Main St., Elmsford, NY 10523

*Exhibiting:* CD480 production switcher.

*Personnel:* Dick DeBeradinis, Brian Tee, John Barker, Peter Symes, Len Barreca.



**Booth 51**

**Century Precision Cine/Optics**

10661 Burbank Blvd., N. Hollywood, CA 91601

*Exhibiting:* Century products including Century wide angle lenses, Century Tel-Athenar telephotos, Century Deplikin copiers, and many accessories for professional film production.

*Personnel:* Steven E. Manios, John E. Manios, Philip Leonhardi.

**Booth 134**

**Cetec Vega**

9900 Baldwin Pl., El Monte, CA 91731

*Exhibiting:* Vega wireless microphone systems and accessories. The systems shown utilize "Dynes" an audio signal processing technique which increases the dynamic range of typically 90 dB and also reduces the residual noise. Also see the new Vega wireless cueing system for use by everyone needing simplex or duplex communication during production work.

*Personnel:* Paul Baughman.

**Booth 11**

**Chyron Corp.**

265 Bethpage-Spagnoli Rd., Melville, NY 11762

*Exhibiting:* The medium-priced Chyron RGU-I is a minicomputer-based system which incorporates many of the features found only in the top-of-the-line Chyron IV system, including character resolution of 27 ns, the finest resolution available and is comparable to live camera video. The RGU-I is a very compact unit, less than 16-in. in height, can be installed in a standard 19-in. rack and lends itself to mobile van as well as studio use. The CCE U-1A cleans and evaluates 3/4-in. videocassettes without destroying the recording signal. It can erase the tape if desired and also evenly packs the tape when rewinding it. It pays for itself in a very short time just in tape savings, not to mention clogged heads, a blown production, or a missed ENG shot.

*Personnel:* Joseph Scheuer, David Buckler, John Staroksy, Ron Witko, Thomas Oliviero, William Hender.

**"Their innovative design makes RDS/HMI Fresnels ideal for all film and video location shooting: especially live mass events and sports specials..."** Bill McManus

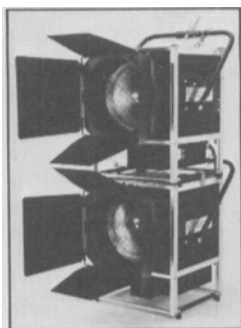


"Working as we often do under less-than-controlled circumstances — where power is sparse, cables have to be stretched across large areas, and there are large crowds to contend with — we've come to appreciate the enormous versatility and rugged reliability of the RDS/HMI Fresnels," says Bill McManus, president of McManus Enterprises, the prominent production lighting design company (based in Bala Cynwyd, PA) and member of the official 1980 Winter Olympics lighting team.

"I applaud their original and innovative design!" says McManus. "Their unique cube-shaped design and rugged modular construction provide RDS/HMI Fresnels with distinct advantages over other HMI lights currently on the market.

#### **Stackable**

"An obvious advantage is that several luminaires can be vertically stacked for ease of transportation and convenient storage. It allows you to cut down on the size of the truck you're taking along... Stack them three or four high at the edge of a tail gate and strap them to the truck. When you pull up to a location, just undo one strap and start handing the lights off. This makes setups real quick and easy.



#### **Convertible**

"Another important feature is that RDS/HMI luminaires can be easily converted to incandescent Fresnels by simply replacing the HMI insert assemblies with optional insert assemblies which accept standard tungsten-halogen lamps. That means a lot to a company like McManus which is involved in both sales and rental of equipment, because shelf space is so valuable.

#### **Wider Focusing Ratio**

"The lights have such long range, such reach, we were able to use them at Lake Placid from the roof tops of two hotel buildings as if they were regular follow-spots!

"And the specially designed RDS/HMI Fresnel lens provides a smoother field of light as well as a wider focusing ratio from spot-to-flood.

#### **Safe, Rugged and Reliable**

"The entire RDS/HMI insert assembly — including lamp socket, ignitor circuitry and switches — can be removed easily without the use of tools for safe, convenient relamping.

"At Lake Placid, a couple of lights were knocked down accidentally. In both instances the lamps were not broken, and the fixtures fired right up within minutes of the accidents. I credit this to the specially designed, shock-mounted heat sink lamp sockets. We had no major breakage, no downtime, no leaks, and no loss of life to the lamps!"

**Bill McManus (right) with Joe Tawil of The Great American Market, one of Cinema Products' major dealers for RDS/HMI 575W, 1200W, 2500W and 4000W Fresnel spotlights.**



For further information, please contact:

**cinema E products**  
CORPORATION

Visit us in booths No. 153, 154, 155, 159, 160I



Booths 153, 154, 155, 159, 160

**Cinema Products**

2037 Granville Ave., Los Angeles, CA 90025

*Exhibiting:* CP35, CP-16R, G5MO film cameras, MNC-81A, Co-Ax control, Steadicam film/video stabilizer, Camraprompter, Bubbelite, RDS/HMI, Angenieux, Canon, Fujinon lenses, tripods.

*Personnel:* E. Di Giulio, D. Dunbar, V. Bushway, S. Klenetsky, C. Lipow, J. Garfield, S. Lewis, R. Auguste, E. Clare.



Booth 88

**Cinemills Corp.**

2227 W. Olive Ave., Burbank, CA 91502

*Exhibiting:* Cinemills will be exhibiting the full range of Daymax™ daylite bulbs, manufactured in the United States, for use in all HMI fixtures. 575 W, 1200 W, 2500 W and 4000 W. Also on display will be Lee filters and Strand Century/Ianaro lighting equipment.

*Personnel:* Wally Mills, Sandy Mills, Charles Young, Patrick Visciglia, Richard Shaffner, William Bamberg, Steve Mulé.

Booths 268, 269

**Cine 60, Inc.**

630 Ninth Ave., New York, NY 10036

*Exhibiting:* Nickel-cadium battery belts and packs 4 to 14AH, 12 and 30 V Sun-Guns, Sun-Gun kits, 4-channel sequential fast chargers, camera snaplocks, shoulder pods, HMI lights, battery cables, 750 W and 1700 W 115 V a.c. blower-cooler quartz lights and lighting kits, nicad battery de-memorizers, nicad battery car fast chargers.

*Personnel:* Don F. Civitillo, Robert Kabo, Paul Wildum, Wolfgang Zipfel.

Booths 157, 158

**Cinetron Computer Systems, Inc.**

6700 I-85 North, Norcross, GA 30093

*Exhibiting:* Computerized animation stand, computerized optical printer.

*Personnel:* Charles A. Vaughn, Eugene P. Nottingham, Karl Brendendieck, Harold R. Pearson, Donald H. Hudgins, Ronnie Ayers.

Booth 165

**Clear-Com**

759 Harrison St., San Francisco, CA 94107

*Exhibiting:* Fixed and portable intercoms in single and multiple channel configurations for TV studio ENG and EFP applications.

*Personnel:* Robert Chen, Edward Fitzgerald.



Booths 242, 243

**CMX Systems/Orrox Corp.**

3303 Scott Blvd., Santa Clara, CA 95050

*Exhibiting:* Audio video film editing systems.

*Personnel:* Don Reynolds, Nick Adams, Murray Bevitz, Darrel Vincent, Gary Youngs, Doug Hutten, Frank Bayers.

Booths 113, 114

**Coherent Communications, Inc.**

13733 Glenoaks Blvd., Sylmar, CA 91342

*Exhibiting:* New SMPTE time code equipment for motion picture production and post production equipment. New MX-80 ENG, ENJ, and documentary film, four input miniature audio mixer: internal batteries or ac, limiter, mic power, equalization, slate mic.

*Personnel:* Ivan Kruglak, Steve Bell, Harry Howard, Ted Akutagowa.



Booths 36, 37

**Commercial Electronics, Inc.**

880 Maude Ave., Mt. View, CA 94043

*Exhibiting:* CEI 310 modular, broadcast quality color television camera for EFP or studio applications where the highest standards of picture quality prevail. In addition the 330 version which provides for extended cable lengths to 2500 ft. will be shown. The latest version, the CEI 340, will be shown. The 340 is a completely self-contained camera which still maintains the total control typical of CEI cameras and will accept current and future options such as SMPTE generator.

*Personnel:* Al Jensen, Homer Hull, Chuck Headley, Harvey Ray.



Booths 211, 212

**Compact Video Sales, Inc.**

1104 W. Chestnut St., Burbank, CA 91506

*Exhibiting:* ENG, EFP units, portable satellite uplink truck.

*Personnel:* Bob Seidenglanz, Bob Manahan, Stu Kravitz.

Booth 84

**Comprehensive Service Audio-Visual, Inc.**

P.O. Box 881, Times Square Station, New York, NY 10036

*Exhibiting:* Reels, cans, shipping cases. Comprehensive's new "fast lock" case. Plus: editing supplies, shipping supplies, projection lamps, studio lamps, printer lamps, gaffer tape, audio tape, magnetic film, video reels and boxes, labels, padded mailing bags.

*Personnel:* J. T. Dougherty, Hubert Bordfeld, Eric J. Sobel.



Booths 169, 170

**Comprehensive Video Supply Corp.**

148 Veterans Dr., Northvale, NJ 07647

*Exhibiting:* Complete line of video supplies and accessories featuring CUMM-15 broadcast quality mike mixer, PAG battery belts and portable lighting systems, Bilora quality tripods and dolly systems, Unicol VCR/Monitor trollies and stands.

*Personnel:* Jules Leni, Marc Plitt, Skip Dunn, Tedd Jacoby.

Booth 219

**Control Video Corp.**

578 Division St., Campbell, CA 95008

*Exhibiting:* CVC will display the Intelligent Controller™ a modular, microprocessor based SMPTE/EBU time code reader, writer, keyer, VTR controller and editor.

*Personnel:* Larry L. Seehorn, Michael Goddard, Richard Olney, Stephen Nestle, Bruce Raddatz, Al Leon.



Booths 231, 232, 233

**Convergence Corp.**

1641 McGaw, Irvine, CA 92714

*Exhibiting:* ECS-90 is a low cost microprocessor-based editing system that is plug-in compatible to most 3/4-in. and 1/2-in. industrial VTRs. ECS-103C editing system will auto conform from punched tape or floppy disc and will read and regenerate an edit decision list providing the flexibility of list management. ARC-100 animate remote control for animation directly onto videotape.

*Personnel:* Richard Moscarello, Frank Logan, Doug Tao, Steve Pequignot.

Booths 181, 182, 183

**Cremer, S.A./PEP, Inc.**

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

*Exhibiting:* HMI dim control units — small, lightweight, electronic

# Fuji. When your job depends on it.

Video. You use it to make a point.  
And a living.

That's why you need Fuji.

Because for networks, independent producers, audiovisual experts and other professionals who depend on us, near-perfect is never good enough.

Whatever the format—2" quad, 1", 3/4" U-matic® or 1/2" VHS or Beta cassettes—Fuji gives you the performance you need to look your best.

That's how we built our reputation for richer, more lifelike color. Clearer, sharper, crisper pictures. Superior consistency and durability. Plus freedom from dropouts, to protect your machines...as well as your reputation.

So, no matter what the job, get the tape that gets the applause. By making you look as good on the hundred-thirty-first playback as you do on the first.

Fuji. The professional tape professionals depend upon.



## FUJI TAPE

One brand fits all. Better.

Magnetic Tape Division, Fuji Photo Film U.S.A., Inc.  
350 Fifth Avenue, New York, New York 10001 (212) 736-3335

See us at SMPTE Booth numbers 41 & 42

squarewave lamp supply units which eliminate cumbersome inductive ballasts and provide many unique advantages for HMI and CID lighting.

*Personnel:* A. Chauzit, E. Bin, C. Cottret, J. Tharpe, D. Schacher, R. DeBry, A. Gallagher, P. Keach, E. Rose.



**Booth 25**

**Datametrics, Inc.**

340 Fordham Rd., Wilmington, MA 01887

*Exhibiting:* SMPTE time code equipment: readers, generators, character generators, vertical interval time code.

*Personnel:* Mal Green, Joe Maslar, Walter Hickman.



**Booths 260, 261**

**Datatron, Inc./Video Systems Div.**

2942 Dow Ave., Tustin, CA 92680

*Exhibiting:* Tempo 76 videotape editing system operating with two VCRs. Vanguard videotape editing system operating with 5 1-in. type C VTRs, plus a production switcher.

*Personnel:* Jerry Hudspeth, Don Coker, Herb Perkins, Terry Miller, Frank Smith, Wayne Frantz.



**Booths 22, 23**

**Digital Video Systems**

519 Gordon Baker Rd., Willowdale, Ont., Canada



**Booths 120, 121**

**Dolby Labs., Inc.**

731 Sansome St., San Francisco, CA 94111

*Exhibiting:* Dolby A-type noise reduction equipment for general use. Cat. No. 155 and 255 dual channel A-type audio noise reduction modules for use in Sony and Ampex C format VTRs. CP50 and CP200 cinema processors for exhibition of films with Dolby stereo sound tracks.

*Personnel:* Ioan Allen, Ken Fay, Hank Bottino, Bob Peterson, Clyde McKinney.

**Booth 168**

**Dynasciences**

Township Line Rd., Blue Bell, PA 19422

*Exhibiting:* New microprocessor based multi and mixed source editing controller. Multiple event (up to 256) with disk drive, intelligent data display. Interface with 1-in. or 3/4-in. VTR. Mix or match with A-B-C roll and switcher interface. Under \$30,000.

*Personnel:* J. M. Samony, C. Buzzard, B. Fiori.



**Booths 72, 73, 74**

**Eastman Kodak Co.**

343 State St., Rochester, NY 14650

*Exhibiting:* Film systems and silver recovery systems.

*Personnel:* Art Florack, Bob Hardisty, Jerry Knaus, Eric Knutsen, Jack Teahan.

**Booth 218**

**Edutron, Inc.**

11003 U.S. Highway 19, Roswell, GA 30075

*Exhibiting:* Video time base correctors that incorporate noise reduction, image enhancement, and an RS-170A sync generator.

*Personnel:* Dave Comstock.

**Booth 164**

**EEG Enterprises, Inc.**

One Rome St., Farmingdale, NY 11735

*Exhibiting:* Line 21 encoders and decoders for captioning and text. Closed captioning for the hearing impaired. Simple encoders for captioning. Smart encoder for adding text service. Test encoder. Video decoder for monitoring. Complete captioning system including floppy disk data source.

*Personnel:* Edward A. Murphy, William Posner, William Jorden.



**Booth 223**

**EEV, Inc.**

7 Westchester Plaza, Elmsford, NY 10523

*Exhibiting:* Leddicons and Vidicons and character display tubes.

*Personnel:* Richard Betts, Paul Plurien, Tom Soldano, Charles Shellenberger.



**Booth 64**

**Eigen**

Shaw's Hill, P.O. Box 1027, Grass Valley, CA 95945

*Exhibiting:* Video disk recorders.

*Personnel:* George Foster.



**Booth 94**

**ELMO Mfg. Corp.**

70 New Hyde Park Rd., New Hyde Park, NY 11040

*Exhibiting:* 16mm portable and Xenon auditorium projectors; sound film-strip projectors; overhead projectors; super 8mm cameras and projectors.

*Personnel:* Hachiro Nagao, Vincent G. Marotti, Frank A. Brill.



**Booths 59, 60, 61, 62, 63**

**Fernseh, Inc.**

P.O. Box 15068, Salt Lake City, UT 84115

*Exhibiting:* Mach One™ computer-assisted videotape editor, KCK automatic studio camera, KCP-60 studio camera, KCA-100 ENG/EFP camera, FDL-60 CCD telecine system, Compositor I™ graphics system, TVS/TAS-1000 video/audio distribution switcher, TCS-1 machine control system, Automax™ machine control and switching system.

*Personnel:* P. Warnock, D. Zieger, H. McClure, T. Pignoni, J. Lynch, K. Wright, J. Webb, D. Brack, A. Schoenberg, D. Spindle, J. Adams, G. LaMunyan, G. Crowther, M. Walker, G. Faison, C. Gardner, W. Beecher, D. Orr, J. Comella.



**Booths 39, 40**

**Frezzolini Electronics, Inc.**

7 Valley St., Hawthorne, NJ 07506

*Exhibiting:* Frezzi-Flex model FR-16 camera for single or double system 16mm filming operations. New complete line of Frezzi on-board batteries for use with professional ENG TV color cameras. Brand new line of lightweight one-hand operation portable 30 V or 12 V lightheades with swingaway dichroic and scrims for studio production or field work.

*Personnel:* James Crawford, Jack Frezzolini, Jack Zink.

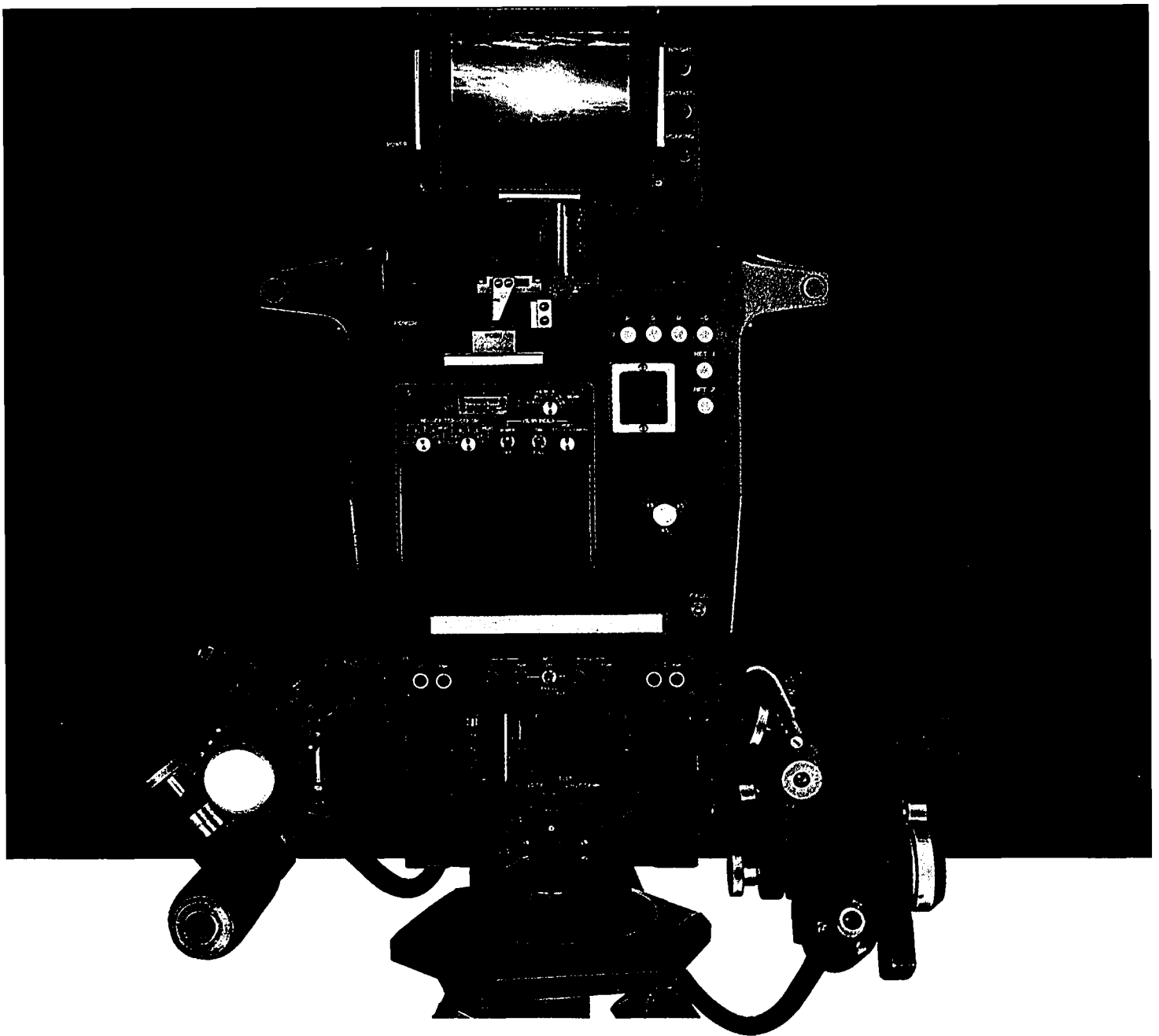


**Booths 41, 42**

**Fuji Magnetic Tape Div.**

350 Fifth Ave., New York, NY 10018

*Exhibiting:* Fuji's H701E premium low noise, high band 2-in. videotape, the broadest standard which offers superior chroma characteristics, me-



## Ikegami has its eye on the 80's

In 1976, two pioneering ENG cameras revealed to a rapt world the shoot-from-the-shoulder delegate's view in color of the Democratic and Republican national conventions. Those two, the Ikegami HL-33 and the HL-35, soon became the ENG workhorses of the industry. The HL-77, Ikegami's first self-contained ENG camera, contributed to a major expansion in the use of ENG. And the current HL-79A, which opened up the era of the one-person ENG camera crew, has become the standard of the broadcast industry.

In 1977, Ikegami made a major contribution to the performance of studio cameras—the first microprocessor-controlled automatic-setup camera, the Ikegami HK-312. With hundreds of HK-312's now in use, Ikegami has expanded microprocessor control to its HK-357A field/studio and HL-53 EFP cameras.

Ikegami enters the 80's fresh from its triumphs at the Winter Olympics where 50 of its cameras contributed to the spectacular coverage of this event.

And while Ikegami enters the 80's

with a record of meaningful innovations and solid accomplishments during the last decade, what's most exciting are the products in the Ikegami engineering labs. So keep your eye on Ikegami. Ikegami Electronics (USA) Inc., 37 Brook Avenue, Maywood, N.J. 07607; (201) 368-9171. West Coast: 19164 Van Ness Ave., Torrance, CA 90501 (213) 328-2814; Southwest: 330 North Belt East, Suite 228, Houston, TX 77060 (713) 445-0100; Southeast: 552 South Lee St., Americus, GA 31709 (912) 924-0061.

# Ikegami

chanical stability, and consistency; Fuji H621, a premium Beridox 1-in. professional videotape whose second generation technology delivers maximum performance from all 1-in. VTRs; Fuji's premium formulation Beridox U-Matic videocassettes feature superior color reproduction, low noise, and improved durability. Available in all standard lengths. Fuji's full line of third generation "fine grain" VHS and Beta videocassettes will be displayed.

*Personnel:* John Dale, Al Bedross, Tom Ushijima, Tony Kobayashi, Peter Arsenault.

#### Booth 253

##### Fujinon Optical, Inc.

672 White Plains Rd., Scarsdale, NY 10583

*Exhibiting:* Our complete line of ENG/EFP lenses for 2/3-in. color cameras such as the A12 x 9E, A14 x 9.5E, A17 x 9E, A22 x 12.5E, and an A22 x 12.5E for studio and low level light conditions, Also the A12 x 9 and the A10 x 11 low cost lenses. We will also have a complete line of ENG/EFP accessories on hand.

*Personnel:* F. Nakajima, J. Dawson, H. Minoshima, M. Russin, Y. Hayashi, M. Ebisawa, D. Bastello, T. Sumiya, E. Tadokoro, T. Washburne, R. Stein, J. DeAngelis, G. Squires, R. Morabito, R. Russin, J. Newton.



#### Booths 43, 44

##### General Electric Co.

Nela Park, Cleveland, OH 44112

*Exhibiting:* Lamps for motion picture and television production.

*Personnel:* Dick Dottersmusch, Charlie Clark, Sky Bramley.



#### Booths 75, 76

##### Goldberg Brothers (J&R Film Co./Ciro)

P.O. Box 5345 TA, Denver, CO 80217

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

*Personnel:* Norman Goldberg, Joe Paskal, Jim Frank, Chas Sachs, Debbie Kaplan.



#### Booths 69, 70, 71

##### Alan Gordon Enterprises, Inc.

5362 N. Cahuenga Blvd., N. Hollywood, CA 91601

*Exhibiting:* Mk IV Director's viewfinders, Foba tripod, Neilson Hordel animation camera and stand, super grip, Minicam 16, B&H Filmo camera, CSS-1 cassette recorder, Swintek wireless sound system.

*Personnel:* Grant Loucks, Robert Kuhagen, Ted Lane, Ferrell Forehand, Nancie Clare, Maurice Fleisher, Les Drever, Don Sahlein, Frank Kelly, John Chiles.

#### Booth 238

##### Grass Valley Group, Inc.

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

*Exhibiting:* Production and post production switching systems and other terminal equipment.

*Personnel:* Bob Webb, Karen Mills, Danny Antonellis, Tom O'Connor, Chuck Clarke.

#### Booths 52, 53

##### Hazeltine Corp.

284 E. Pulaski Rd., Greenlawn, NY 11740

*Exhibiting:* The latest model 200H color film analyzer including 16mm A&B timing attachment. Model 240 tape preparation system for preparation of frame count cueing and exposure tapes for programming additive printing.

*Personnel:* A. Arbeeny, G. Baldassare, A. Eisenhuth, K. St. John, S. Osgood, S. Nardella, R. Cassara, N. Reeber, F. DeSanto.

#### Booth 201

##### Karl Heitz, Inc.

979 Third Ave., New York, NY 10022

*Exhibiting:* Gitzo cine, video and photo tripods, monopods, heads, leveling balls, dollies, projector stands, platforms, microphone booms. Pathe electronic 16mm and double super 8mm cameras with 15 x 6-90mm/f1.2 zoom lens, interchangeable C mount lenses, 400-ft. magazine. Kinoptik Apochromats 16mm, 35mm cine and video lenses in C mount, Arriflex, Barrel, etc. from 1.9mm to 1000mm, including 50mm, 75mm, 100mm, 150mm macro lenses.

*Personnel:* Karl Heitz, Auke Venema, Betty Lobit, Valeria Criscione.



#### Booths 19, 20, 26, 27, 49, 50

##### Hitachi Denshi America, Ltd.

175 Crossways Park W., Woodbury, NY 11797

*Exhibiting:* ENG/EFP color video cameras, studio video cameras, 1-in. type C VTRs, color monitors.

*Personnel:* R. Muto, Bernie Munzelle, Jack Breitenbucher, Jack Russell, Tom Califano, E. Saito, Kano Yamazaki.



#### Booth 87

##### Hollywood Film Co.

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

*Exhibiting:* Total immersion printer, film handling equipment.

*Personnel:* Harry Teitelbaum, Nick Mastrogiovanni, R. D. Whitmore.



#### Booth 98

##### Houston Fearless 76, Inc.

833 E. Walnut St., Carson, CA 90746

*Exhibiting:* Houston Fearless 76 Super Colormaster film processor, replenishment systems, film transport system, mix tanks, and silver recovery units.

*Personnel:* Derrill Macho, Mac Dover.



#### Booth 256

##### Ikegami Electronics (U.S.A.), Inc.

37 Brook Ave., Maywood, NJ 07607

*Exhibiting:* New EC-35 electronic cinematography camera with diode gun tubes and auto set-up; New TKC-970 telecine with 700 TV lines resolution; HL-78A, HL-79A, and ITC-350 ENG cameras; HK-312E Multicore/Triax studio camera with optional computer setup; HK-357A Multicore/Triax field/studio camera with optional computer setup; RH, PM, and 8 series picture monitors; HL-790A camera; and other products to be announced.

*Personnel:* Herman Schloss, John Chow, Bruce Ballantyne, Don Skulte, Leonard Wolff, Harvey Caplan, Herman Schkolnick, Yujimitsu Sato, Sumimasa Yana, Bud Mills.



#### Booth 47

##### Image Devices, Inc.

1825 NE 149 St., Miami, FL 33181

*Exhibiting:* IDI Micromike, IDI Superstix, IDI Superkart, IDI Communicator, IDI ACL-4A Underwater Housing for ACL, IDI Data Slate II, IDI Micro Mixer MK2, IDI Compact Crystal Coder, IDI Wireless Earphone, IDI Video Access, IDI Superstrap, IDI Crystal Pistol, IDI rentals, sales, service.

*Personnel:* David Haylock, Bill Reiter, Steve Ciffone, Steve Brinson, Karen Williams.

for video/TV & film/ciné

Frezzi-Lites™ with "Frezzi" Battery Packs.



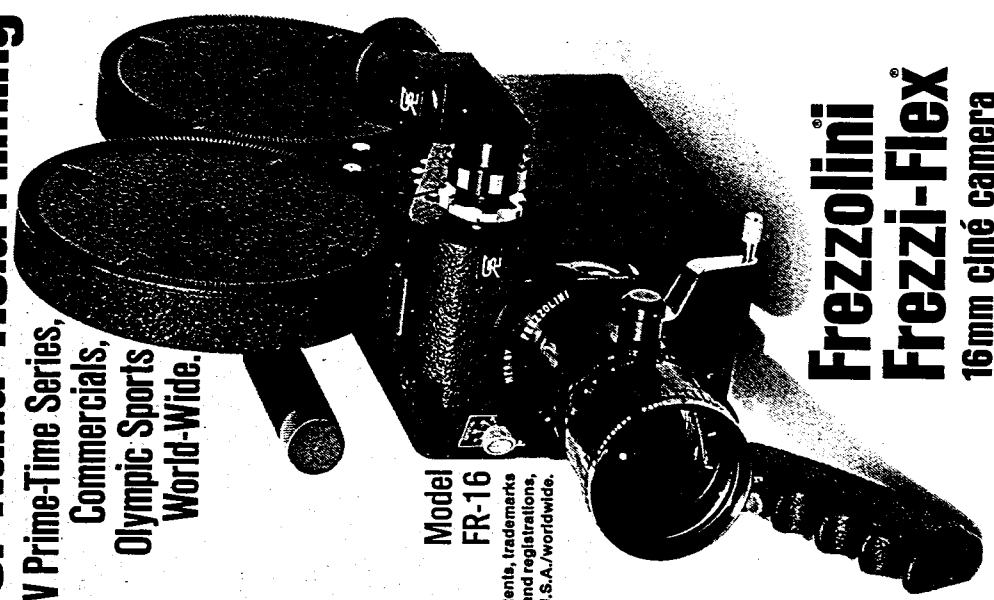
Choice of 100w, 150w, 250w, 350w. Removable dichroic filter.

For Hand-held use, Lightstand mounting, or film and video camera mounting.

Rear view of Model FL-250 "Frezzi-Lite" Sony BVP-300 video camera. Other "Frezzi" Camera Mounting Brackets made for other cameras.

## For Hand-Held Filming

TV Prime-Time Series, Commercials, Olympic Sports World-Wide.



Model FR-16

Patents, trademarks and registrations, U.S.A./worldwide.

## Frezzolini Frezzi-Flex®

16mm ciné camera



for any video camera.

Reliable, high-capacity, O.E.M. or replacements for Hi8achi, Ikegami, Philips, RCA, Sony and others. Less than 1 hour re-charge time with "Frezzi-Fast"™ Chargers.

Model FBP-13.4A direct-mounted to back of Ikegami HL79A Camera.

## Frezzi™ Engineering builds portable power for ANY system.



Model FBP-12V-2.5A powers JVC CR-4400LU videocassette recorders. Other Frezzi "Stick"™ Battery Packs manufactured as O.E.M. or replacements for other recorders.

## Frezzi™ "Stick"™ Battery Packs

For information call (N.J. 201) 427-1160 (N.Y.C. 212) 594-2294

### Image Transform, Inc.

4142 Lankershim Blvd., N. Hollywood, CA 91602

*Exhibiting:* Tape-to-film transfers, standards conversions, and film-to-tape transfers.

*Personnel:* Dick Lebre, Warren Rosenberg, Toni Roth, Les Werschker, Bob Ringer.

**Booth 102A**

### Industrial Sciences, Inc. (ISI)

P.O. Box 1495, Gainesville, FL 32602

*Exhibiting:* 200 series video production switcher with PolyKey effects system, 1200 series video production switcher with two level processing, 902 video production switcher, terminal equipment, 1002 audio console.

*Personnel:* Richard S. Hajdu, Dale Buzan, Robert Bachus, Homer Mas-  
ingil, Tom Harmon.

**Booth 167**



### U.S. JVC Corp.

58-72 Queens-Midtown Expwy., Maspeth, NY 11378

*Exhibiting:* 3-tube color TV camera, 1-tube color TV camera, 3/4-in. vid-  
eotape editing system, color monitor/receivers, 1/2-in. VHS videotape  
recorders and players, and 3/4-in. videotape players and recorders.

*Personnel:* Dan Roberts, Ron Suttle, Stephen Martin, Tom McCarthy,  
Doug Fischer, Cliff Shearer, Alan Bender, Ray Connelly, George Doiron,  
John Fitzpatrick.

**Booth 251**

### K B Systems

10407 62nd Pl. W., Everett, WA 98204

*Exhibiting:* "Magic Slippers" ingenious new device for tensioning uneven  
film reels that allows the film to take up or release from different size reels  
smoothly. Specialties editors, sophisticated motorized 4-gang syn-  
chronizers with automatic clutch, electronic indexing, 3 magnetic heads,  
built-in mixer-amplifier, footage counter, and foot or hand control in 16mm  
and super 8. K B Transfer Systems — mix magnetic tracks into one record,  
edit — a veritable compact dubbing theater. K B Power Rewinders —  
variable speed — a must for every branch.

*Personnel:* William Reid, Kay Reid, Joy Kay Vincent.

**Booth 133**

### Kliegl Bros.

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

*Exhibiting:* A full range of Kliegl HMI daylight units from 200 W hand-  
held, battery-operated variable focus unit, 575 W softlight, 575 variable  
focus, 1200 W, 2500 W, 4000 W units. Portable Kliegpac 9 packaged  
dimming systems, Performer and Performer II memory lighting control  
consoles.

*Personnel:* Dr. Joel E. Rubin, Michael F. Connell, Tom Hays, Dave  
Stuart, Walter Bauer, Kim Borden, Candace Jacob, Dr. Ron Olson,  
Josephine Marquez.

**Booth 80, 81, 82**



### KLM Assoc., Inc.

5161 River Rd., Bethesda, MD 20034

*Exhibiting:* The following models of Cinemont's editing tables will be on  
display: 6 plate 16mm, 6 plate 35mm with crown optics, 8 plate 16mm, and  
8 plate 35mm (new design) with crown optics. Plus 2 x 4 plate models  
with crown optics.

*Personnel:* Desmond McElroy, Mac McElroy, Milton Schock, Martin Ten  
Wolde, Bill Kras, Gerry Van Blokland.

**Booths 54, 55, 56, 57**

### LaVeZZi Machine Works, Inc.

900 N. Larch Ave., Elmhurst, IL 60126

*Exhibiting:* Sprockets for all film sizes, including Posi-Trol and VKF de-  
signs; Geneva intermittent components and assemblies; high precision  
machine components for all film equipment.

**Booth 48**

**Booths 227, 228**

### Lenco, Inc./Electronics Div.

300 N. Maryland St., Jackson, MO 63755

*Exhibiting:* Sync generators RS170 and RS170A, video distribution, televi-  
sion test generators, system timing, video noise meter, color monitors,  
monochrome monitors. Introduction of Video Scope.

*Personnel:* Paul J. Leonard, Richard N. Lawrence, Robert N. Henson,  
Bruce Blair, Russ Thalacker, Tony Mattia.



### Lipsner-Smith Corp.

4700 W. Chase Ave., Lincolnwood, IL 60646

*Exhibiting:* New CF-3000VCS ultrasonic film cleaning machine with  
solvent recovery. Conserves up to 85% of solvent required by older  
Lipsner-Smith machines. Also showing popular CF200, now used by  
many video production companies.

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

**Booths 95D, E, F**

**Booth 192**

### Listec TV Equipment Corp.

39 Cain Dr., Plainview, NY 11803

*Exhibiting:* Vinten post head on Vinten dolphin arm using Listec tracking.  
Additional equipment: Ikegami monitor, Ikegami HL-79A, and small fish  
tank.

*Personnel:* Jack Littler, Joann Camarda, Jonathan Bart.



### Lowel-Light Mfg., Inc.

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

*Exhibiting:* Lowel will be demonstrating its complete line of location  
lighting equipment for film and television. New product introductions in-  
clude the Lowel Space Clamp and Lowel Screw-in stud mounting devices;  
the Lowel Grand Stand light stand; and the Lowel Weight, a modular bal-  
last and counter-balance for stands and booms.

*Personnel:* Ross Lowell, Marvin Seligman, Art Kramer, Toni Pearl, Amy  
Carter.

**Booths 195, 196**



### LTM Corp. of America

1160 N. Las Palmas Ave., Hollywood, CA 90038

*Exhibiting:* Lighting equipment, audio recording equipment (Stellavox),  
small format editing equipment "SFAT."

*Personnel:* Gilles Galerne, Herbert Breitling, Claude Crevet, Jean Ga-  
lerne, Guy Fischer.

**Booths 116, 117, 118,  
125, 126, 127**



### L-W International

6416 Variel Ave., Woodland Hills, CA 91367

*Exhibiting:* Athena 4000, 5000 and 6000, slo-mo, freeze-frame telecine  
projectors, ideal for film-to-tape transfers, special effects, and post produc-  
tion editing. The new 6000 features automatic camera frequency sync,

**Booth 270**

### NEC DME® System features:

- Single or dual channel operation with DME dual system for simultaneous single-studio multi-channel or two-studio single channel use.
- Complete frame synchronization on all inputs including TBC, freeze and Velcomp capabilities.
- Intelligent digital control system with 18 complete memory locations of start and finish position/size and special effects.
- Automatic pan and tilt control with limit for not going out of frame.
- New vertical and horizontal inversion effects including "tumble" using new digital control.
- New "mosiac" effect with adjustable tile size for dramatic visualization of show openings and closings.
- TTL pulse circuitry for sequential and external triggering to permit extensive interface with editors and other creative controllers.

### NEC DME Control features:

- Operation with DME or existing DVE® Digital Video Effects System for full digital control of all system functions.
- Memory capacity for 18 complete pattern manipulations including start position and size, finish position and size, posterization and

solarization effects, freeze frame or freeze field and real time frame entry of effect duration... all effects instantly and exactly repeatable.

- Automatic pan and tilt functions with selectable limit to prevent pattern transition beyond blanking.
- Memory reveal function to permit image-track effects by revealing the entire memory and removing normal mask.
- Bridging of all memories to permit multiple effect sequences up to 999 frames each for a total capacity of 17,982 frames of pre-programmed effects.
- Auto-freeze for pre-timed incremental freezing.
- All digital construction including digital shaft encoder instead of conventional faders.

For more information 24 hours a day, call toll-free (800) 323-6656.

In Illinois, call (312) 640-3792.

# NEC

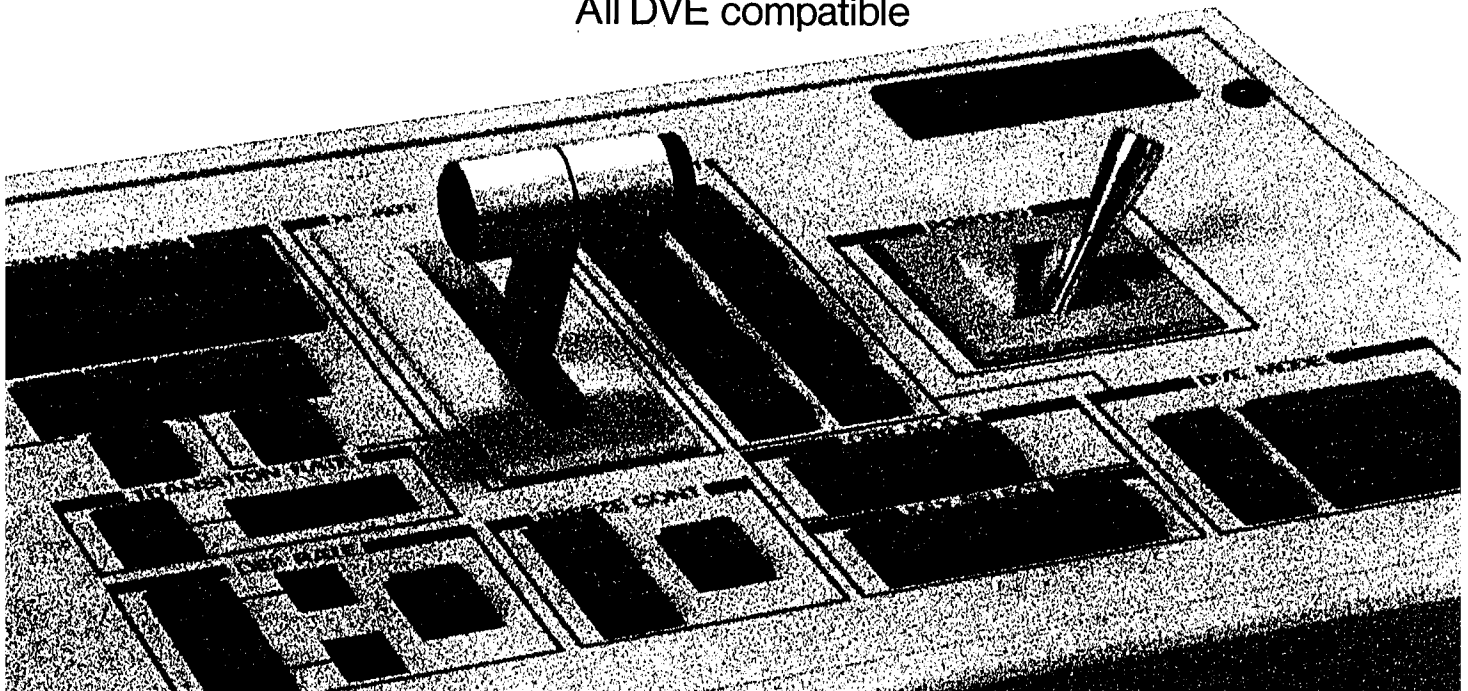
NEC America, Inc.  
Broadcast Equipment Division  
130 Martin Lane  
Elk Grove Village, IL 60007



®Registered Trademark 1980

# NEC INTRODUCES THE MOST FLEXIBLE DIGITAL EFFECTS SYSTEM AVAILABLE!

All digital control  
All function memories  
All DVE compatible



built-in cueing device, multi-voltage selection, standard show function operation, built-in rate pulse generator, and free after installation service inspection (48 contiguous states and the District of Columbia).

*Personnel:* R. H. Lawrence, David M. Stern, David Fellinger, David Greve.



**Booths 101, 102**

### MM Editing Systems, Inc.

230 Park Ave., Rm. 339, New York, NY 10017

*Exhibiting:* KEM 8-plate universal, 4-plate junior, 8-plate RS #2, 6-plate RS #2, KEM film-to-video transfer machine, all of the tables will carry 16 and 35mm modules and the pictures in the RS 16mm will be flickerless.

*Personnel:* Michael Mangu, Maria Mangu, Jeannette Miss.



**Booths 245, 246, 247**

**248, 249, 250**

### Magnasync/Moviola Corp.

5539 Riverton Ave., N. Hollywood, CA 91603

*Exhibiting:* 16mm and 35mm editing and recording equipment. Featuring Videola,® a new system for transfer of 16mm or 35mm film to broadcast-quality video, independent of television synchronization or scanning rate. Introducing the Moviola "Portable," an all-new 16mm 6-plate flatbed editor combining professional features, exceptional performance, light weight, and low cost.

*Personnel:* Gerry D'Almada, Holmes Ives, Dan Zinn, Carl Nelson, Don Steele.



**Booths 66, 67, 68**

### Magna-Tech Electronic Co., Inc.

630 Ninth Ave., New York, NY 10036

*Exhibiting:* New combination 16/35mm high speed electronic drive studio projector featuring simple change of formats and high quality picture for large screen applications. New Vidi-Mag™ 16mm sprocketed video film recorder for sound post production of video programs utilizing normal film techniques. High speed recorders and reproducers and "electronic looping" consoles.

*Personnel:* Normal T. Prisament, Marc S. Prisament, Robert W. Eberenz, Bud Legreid, David Rodriguez, George Szigeti, Ernesto Aguilar, Richard Chin, C. R. Fine.



**Booth 262**

### Marconi Instruments

100 Stonehurst Ct., Northvale, NJ 07647

*Exhibiting:* Automatic audio broadcast test system, automatic video measurements, both H and V blanking and vertical interval test signal. Automatic moire distortion analyzer for videotape recorders.

*Personnel:* A. Ramsden, D. Slim, L. Presutto, F. Bones, S. Frazer, J. Gorbald, Irving Silberg, K. Elkins.



**Booth 103**

### Matthews Studio Equipment, Inc.

2405 Empire Ave., Burbank, CA 91504

*Exhibiting:* Location and stage equipment consisting of stands, dollies, dolly track, overhead light diffusion sets, flags and scrims, mounting equipment, and accessories.

*Personnel:* Ed Phillips, Carlos De Mattos, Ron Prociw.



**Booth 35**

### Merlin Engineering Works

1880 Embarcadero, Palo Alto, CA 94303

*Exhibiting:* Quadruplex VTRs and accessories. Accessories for 1-in. helical VTRs.



**Booth 244**

### Micro Consultants/Quantel

2483 E. Bayshore Rd., Suite 209, Palo Alto, CA 94303

*Exhibiting:* The Quantel DLS 6000. The Quantel DLS 6000 digital library system is a revolutionary store device with fundamental advantages over existing still store techniques. Features include computer disc storage (340 slides per disk drive), multiple disc drive capability, a unique off-line storage system, "Browse" editing, picture positioning, zoom, new slide build-up, and other production facilities.

*Personnel:* George A. Grasso, George Hamilton, Don Prather, Ron Frillman, David Dever.

**Booth 224, 225**

### Microtime, Inc.

1280 Blue Hills Ave., Bloomfield, CT 06002

*Exhibiting:* Video scrambler, model 4000; video signal synchronizer and smart-proc, model 2525 SP; and digital time base corrector, model 2020 with 2121 image processor.

*Personnel:* G. Kesser, D. Acker, D. Sofie, D. Leeson, R. McLean, L. Skilton.

**Booths 177, 178**

### Microwave Associates Communications

63 Third Ave., Burlington, MA 01803

*Exhibiting:* Frequency agile high output portable transmitters and receivers in 2.5-GHz and 7-GHz broadcast bands; DA624 dual mode ENG central receive antenna and lightweight high gain disc rod antenna with switchable polarity; VR-4XB frequency agile satellite receiver for broadcasters; new retractable aircraft antenna mount.

*Personnel:* Erik van der Kaay, Erik Stromsted, Frank Miani, Monty Forbes, John Cortelli, Dan McCarthy, Phil Cass, Mark Vida.

**Booth 184**

### Millimeter Magazine

12 E. 46th St., New York, NY 19917

*Exhibiting:* Millimeter, the magazine of the motion picture and television production industries.

*Personnel:* Peter Jablon, Alice Wolf, Kevin Condon, Stanley Kreshower, Marjorie Broder, Ed Monk, Diane Gottlieb, Mike Kunkes.



**Booths 190, 191**

### 3M Video Products

Bldg. 223-5-E, 3M Center, St. Paul, MN 55144

*Exhibiting:* Model D-8800 graphics system, Model TT-7000 C format VTR, routing switcher, and machine control equipment.

*Personnel:* Bob Landingham, Dave Bixler, John Frederick, Jerry Kerr, Frank D'Ascenzo.



**Booths 265, 266, 267**

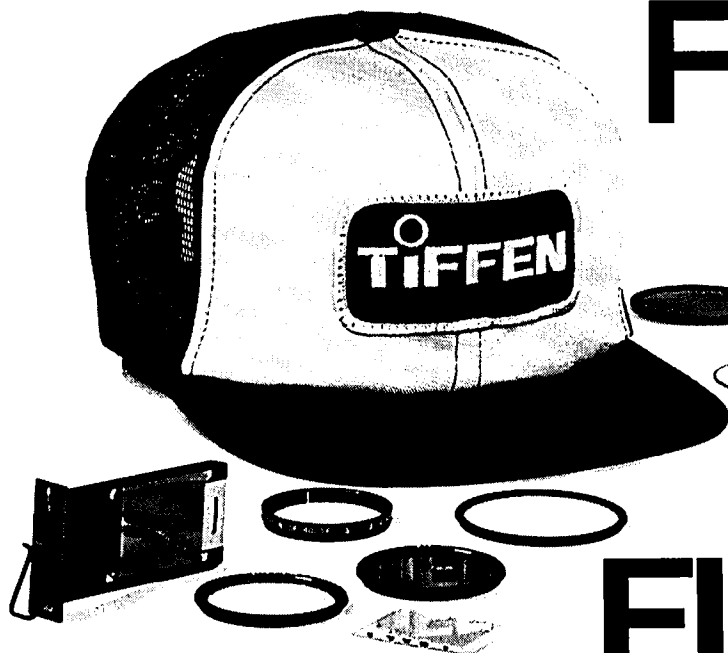
### Mole-Richardson Co.

937 N. Sycamore Ave., Hollywood, CA 90038

*Exhibiting:* New 9-light Molequartz Molecool; four HMI Mole Solar-Arc Solarspots; The Molequartz Baby Solarspot family, 1000 W, 2000 W, 5000 W, and 10,000 W; 750 W Molequartz Baby Softlight, Molequartz 2000 W Baby Zip Softlight, 4000 W Molequartz Baby 4 K Softlight; many more of the Molequartz fixtures, lighting kits, grip equipment, hangers, and adapters will be on display.

*Personnel:* Howard R. Bell, Charles Lenhard, Rose Lenhard, Michael Hodgins, Robert Lenhard.

# THE TIFFEN CAP FITS...



# YOUR FILM OR VIDEO NEEDS.

Some prefer to shoot film. Others prefer tape. But they all agree on one thing. Tiffen filters. Whatever medium they choose, whatever equipment they use, leading cinematographers and directors of photography insist on Tiffen filters. They know that Tiffen has built a solid reputation for quality.

Tiffen filters are made to the most rigorous standards to insure purity of color and accuracy of transmission. From the precision made mounts to the finest optical glass every detail is meticulously crafted. That's why they're the most rugged the most reliable of filters. And with a selection of over 2,000, in hundreds of different colors and color combinations, Tiffen can satisfy virtually every filter need.

Tiffen makes filters that are compatible with cameras of every kind, filters that produce special effects of every kind: filters that polarize, diffuse, fog, create stars, correct color balance, aid in contrast and control.

So whether you're shooting film or tape, when dependability and durability count, you can count on Tiffen, the industry's number one filter.

*Write Department SM for New Professional Brochure and Price List.*

## TIFFEN®

90 Oser Avenue, Hauppauge, N.Y. 11787 (516) 273-2500 Telex 96-7748  
See Us at SMPTE Booth 197



Booth 90

**Motion Picture Enterprises, Inc.**  
Tarrytown, NY 10591

*Exhibiting:* Motion picture equipment and supplies, metal and plastic reels and cans, fiber and plastic shipping cases, and editing supplies; videotape reels, cassettes, and shipping cartons; silver recovery units. Publishers of the *Motion Picture, TV & Theater Directory, Wall Chart, and Audio Visual Source Directory.*

*Personnel:* Herbert R. Pilzer, Neal R. Pilzer, John B. Low, William Vick.

Booth 135

**Motorola Communications & Electronics, Inc.**  
17-22 Whitestone Expwy., Whitestone, NY 11357

*Exhibiting:* Remote pickup broadcast and studio/field radio communications and cueing systems, radio paging systems, base station, mobile and portable equipment, CCTV communication systems for broadcasters and motion picture production special applications.

*Personnel:* Leroy Kirchner, Eric Landau, Marc Wiskoff, Robert Combs, Jack Lapidus, Jack Devereaux, Glenn Hall, Harry Ziskroft.

Booths 139, 140

**Moviecama Corp. of America**  
625 W. 54th St., New York, NY 10019

*Exhibiting:* 35mm motion picture camera with accessories. Moviecama has a sound level of less than 18 dBA. Accessories: built-in slate, built-in video camera, synchronization box-speed program with automatic iris compensation, computer diagnostic box, 1-in. video monitor attaches right on camera. Follow focus, matte boxes, 500 ft. and 1000 ft. available.

*Personnel:* Hubert "Scoop" Clapp, Gregory Clapp, Christopher Golson, Hardwick Johnson.



Booths 209, 210

**Multi-Track Magnetics, Inc.**  
3 Industrial Ave., Upper Saddle River, NJ 07458

*Exhibiting:* ST-35/DCS, 35mm studio reversing high speed projector with DC servo motor drive; R 106/DCS, 16/35mm master pick-up recorder with DC servo motor drive; R 105/DCS, 16/35mm master recorder with DC servo motor drive for easy interlock to editing table.

*Personnel:* Stephen Talian, Nancy C. Salvatore, Leo O'Donnell, Vincent Mosdar, Geri Galbraith, Tom Sokira, Andre Markiewicz.

Booth 95A

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

*Exhibiting:* All Nagra motion picture tape recorders and featuring Nagra 4.2L and Nagra Stereo.

*Personnel:* Dom Notto, Tom Daniel, G. Kearns, A. Clarke, J. J. Broccard, Manfred Klemme, Carmine Napoli.



Booths 229, 230

**NEC America, Inc., Broadcast Equip. Div.**  
130 Martin Lane, Elk Grove Village, IL 60007

*Exhibiting:* FS-16 frame synchronizer: full frame synchronization with "proc amp" control, highly economical, compact design. DME "Digital Mix Effects" system: single or double channel full digital effects with digital programmable controller, tumble, mosaic. "Action-Trak" digital strobe action special video effects system.

*Personnel:* Dennis Fraser, Bob Curwin, Richard Dienhart, M. Mitsui, Lew Wigal, Herb Holzberg, Sergio Marino, Hugh Gillogly.



Booth 115

**Neumade Products Corp.**  
720 White Plains Rd., Scarsdale, NY 10583

*Exhibiting:* Complete line of film handling and editing equipment, including the Neutaper splicers, Neuvator II film cleaning machine and Fiesta leader. Also filing systems for audio and video tape (reels, boxes, and cassettes); microfilm inspection, reel-to-reel and cartridge loading. Storage for 2 x 2-in. slides, filmstrips and records.

*Personnel:* Lee Jones, Ron Jones, Bob Hempel, Lew Grofsik, Warren Clements, Carol Sarnelli, Deborah Boggi, Roseann Pisciotta, Debra Seploff.

Booth 207

**NL Film Products**  
516 N. Larchmont Blvd., Los Angeles, CA 90004

*Exhibiting:* The Flatbed is a new concept in horizontal editing equipment for 2-to-8 plates, with up to 4 individual picture or sound combinations. A unique feature screen for larger audiences. The unit is available with interchangeable modules for 16mm and/or 35mm.

*Personnel:* Lampert Levy.



Booth 119

**Norton Associates, Inc.**  
10 DiTomas Ct., Copiague, NY 11726

*Exhibiting:* Norton magnetic heads and amplifiers for professional motion picture sound.

*Personnel:* R. Norton, R. Auteri, R. Doutney, B. Viole.

Booths 198, 199

**Nurad, Inc.**  
2165 Druid Park Dr., Baltimore, MD 21211

*Exhibiting:* Nurad's asymmetrical parabolic "Orange Peel" antenna for the New York World Trade Center STL/TSL microwave systems. Other products for ENG/EJ/EFP applications.

*Personnel:* Leslie K. Lear, Stephen Neuberth, Vincent E. Rocco, Frederick R. Hock.



Booth 208

**Nytone Electronics Corp.**  
2424 S. 900 West, Salt Lake City, UT 84119

*Exhibiting:* Motion picture analyzer. All solid state.

*Personnel:* George Balding, George Sansom.



Booth 106

**OSRAM Corp.**  
R.D. #3, Jeanne Dr., P.O. Box 7062, Newburgh, NY 12550

*Exhibiting:* Osram HMI lamps celebrating their 10th year of use in film and television as the new standard for an artificial daylight (5600 K) source. Available in 200, 575, 1200, 2500 and 4000 W. Also on display will be a sampling of tungsten filament (3200 K) light sources for use in television and motion picture production.

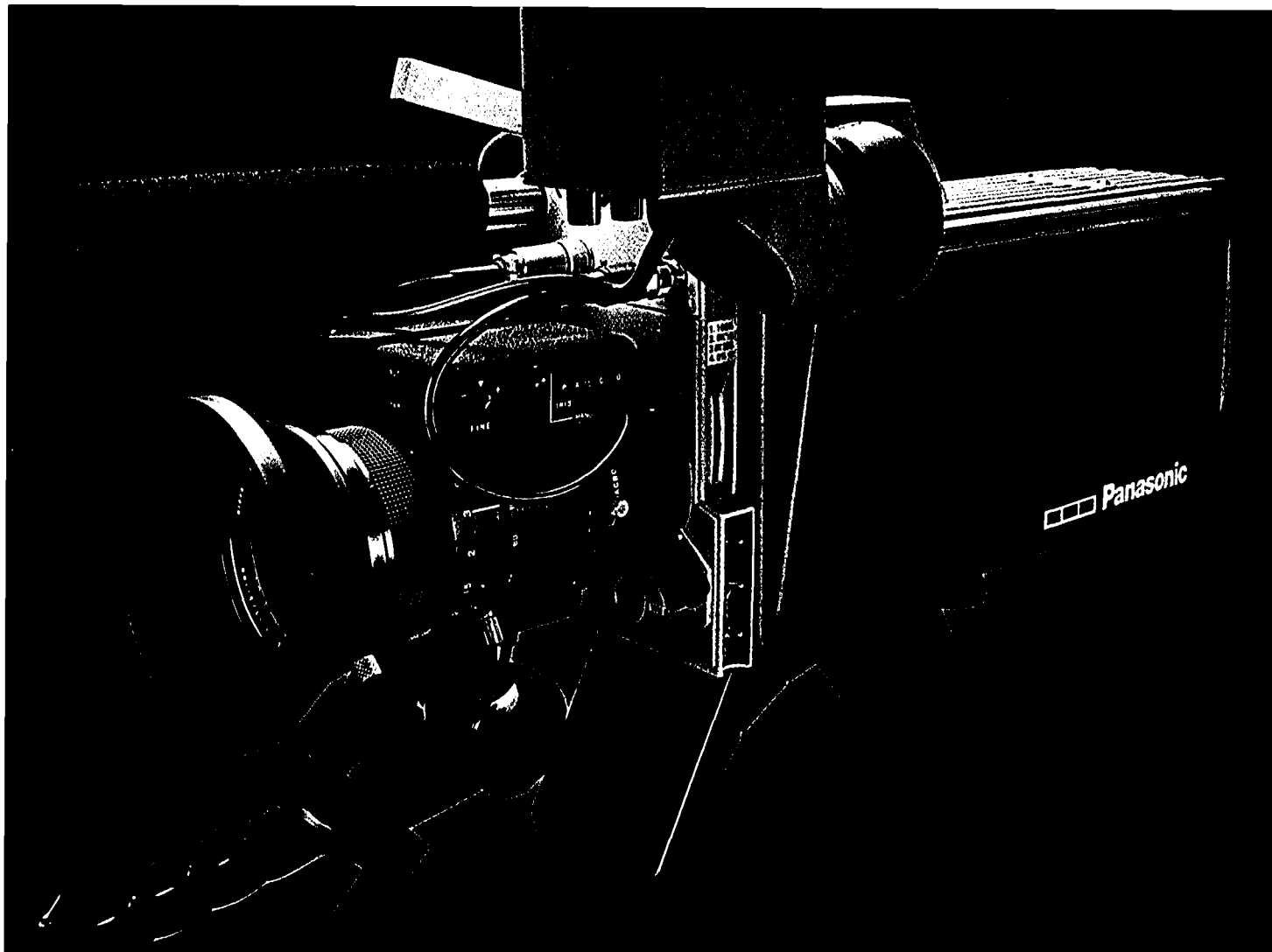
*Personnel:* Lawrence Carr, Keith Gillum, Dr. Werner Block, Russell Liddle, Sue Favoino, Donna Pasqualicchio.



Booth 83

**Oxberry Div. of Richmark Camera Service, Inc.**  
180 Broad St., Carlstadt, NJ 07072

*Personnel:* Richard McCarthy, Mark Ackerman, Dr. Alfred I. Thumin.



Camera shown with optional 12:1 zoom lens.

## Introducing 4,551 reasons to buy the Panasonic AK-750B three-tube Plumbicon® camera.

The first 4,550 reasons to buy the Panasonic AK-750B are the 4,550 dollars we've shaved off the price of last year's comparably equipped model. The other big reason is 2-line enhancement—a \$2,000 option last year, but included as standard equipment at this year's low \$16,000\* price. Other standard features include genlock, rechargeable battery and charger, microphone, and VTR cable.

At the heart of the AK-750B are three 2/3" Plumbicon tubes in parallel for great sensitivity over lighting extremes, superior static and dynamic resolution, and low burn-in.

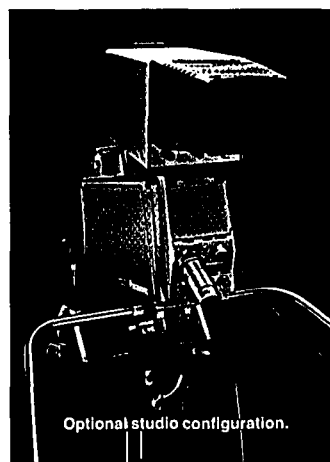
Inside the AK-750B you'll find a durable aluminum die-

cast chassis and an impressive list of features like a Y I/Q encoder, color bar generator, and optical black and automatic white balance. There's also electronic color conversion, and a filter wheel behind the lens so you can make the most of both indoor and outdoor lighting. Plus adjustable horizontal and vertical blanking to fit a variety of recording requirements.

For the field, the AK-750B is a fully self-contained camera with timing and phase adjustments built in, but weighing in at only 16 lbs. (not including lens). And it's just as light on power, using only 23 watts. The camera comes with a C-mount adapter. And it can interface with an EFP system because

it accepts single-cable external sync.

The AK-750B can also be used as a studio camera with our optional Remote Control Unit and 4.5" CRT viewfinder.



But whether you're indoors or out, the AK-750B performs superbly with a S/N ratio of 50dB, and horizontal resolution is 500 lines at center (recommended illumination of 200 footcandles at f/4). There's even a +6dB gain for minimum illumination of just 15 footcandles at f/1.8.

The AK-750B. Because only Panasonic gives you so many reasons to buy a three-tube Plumbicon camera.

\*Panasonic recommended price, but actual price will be set by dealers.

Plumbicon is a registered trademark of N.V. Philips of Holland for TV camera tubes.

For more information, write: Panasonic Company, Video Systems Division, One Panasonic Way, Secaucus, N.J. 07094. In Canada, Panasonic Video Systems Department, Mississauga, Ontario.

**Panasonic®**  
VIDEO SYSTEMS DIVISION

**Pace International Corp.**

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

*Exhibiting:* Pacex™ water recycling systems which conserve water, save energy, reduce pollution, and recover silver from photographic wash water. Algae and bacteria control system which, mounted directly in laboratory water pipes, meters stick type algae control material directly into water.

*Personnel:* Robert Kreiman, Shirley Kreiman, John Hewitt.

**Booth 108****Rank Cintel**

20 Bushes Lane, Elmwood Park, NJ 07407

*Exhibiting:* MK3B Digiscan Flying Spot Telecine provides the finest reproduction from color or monochrome, positive or negative, 16 or 35mm film or slides. Has no camera, no CCDs, no lag, no complex optics, no intermittent projectors. Requires no registration adjustments. Silent capstan. Electronic pan scan. Options available include: "Topsy" pre-programmer for color correction, pan scan, and machine control. Super 8mm.

*Personnel:* Bruce Oyen, Neil Kempt, Alex Jepson, Richard Collinette, Simon Fell, William Liento.

**Booths 99, 100****Booth 252****Panasonic Co.**

One Panasonic Way, Secaucus, NJ 07084

*Exhibiting:* Color video studio and ENG cameras, high performance 3/4-in. videocassette editing systems, videocassette recorders (3/4-in. and 1/2-in.) portable VCRs, monitors, production systems.

*Personnel:* M. Dollacker, T. Conboy, M. Washington, E. Matthews, S. Watson, M. Harlan.

**Rank Precision Industries, Inc.**

260 N. Route 303, W. Nyack, NY 10994

*Exhibiting:* New lens for super 16mm and an exciting new lightweight zoom lens for 35mm handheld cinematography. Cooke Varotal, the leading feature film zoom lens together with Cine Varotal for long shots. Altogether 7 Cooke zoom lenses for 35mm and 16mm motion picture, complete with accessories.

*Personnel:* J. M. Campbell, Kish Sadhvani, Eric Goodwin, Brian Newman, Harry Paget.

**Booth 89****Booth 93****The Perf-Fix Co.**

12381 Wilshire Blvd., Los Angeles, CA 90025

*Exhibition:* The Perf-Fix system for film/filmstrip perforation repair and protection/total filmstrip repair.

*Personnel:* Diane Stanfield, Shirley Travers.

**RCA — Broadcast Systems**

Front and Cooper Sts., Camden, NJ 08102

*Exhibiting:* Television camera (studio and field), videotape recorders.

*Personnel:* J. A. Gimbel, D. Freeman, J. Morse, C. Gaydos, R. Verda, D. Mewhinney, R. Harris, N. Hudak, S. E. Basara, J. E. Hill.

**Booths 187, 188, 189****Peterson Enterprises, Inc.**

1840 Pickwick Ave., Glenview, IL 60025

*Exhibiting:* Peterson automatic full immersion printer, loop cabinet, and model CP adaptor for Peterson light valves.

*Personnel:* Walter Peterson, Bruce Peterson, Chuck Zichterman, Willy Pfeifer.

**Booths 91, 92****Recortec, Inc.**

475 Ellis St., Mt. View, CA 94043

*Exhibiting:* High band U-Format (HBU) recorders provide 1-in. and 2-in. quality video with 3/4-in. cassette convenience, lowest cost, and lightweight portability. Multiple generation quality confirmed equal to 1-in. and 2-in. capability by satisfied users.

*Personnel:* Lester H. Lec, David Change, Eidon Corl, Sidney McCollum, Tony Keng, Grace Matica-Meyers.

**Booths 263, 264****Philips Broadcast Equipment Corp.**

91 McKee Dr., Mahwah, NJ 07430

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

*Personnel:* W. Amos, P. Bergquist, A. Keil, N. LaBate, R. Leach, R. Mahoney, J. Nigro, J. Wilson.

**Booths 12, 13, 14, 15****Research Technology, Inc.**

4700 W. Chase Ave., Lincolnwood, IL 60646

*Exhibiting:* RTI film editing equipment including the new CineScan high speed previewer with Quik-Trac speech processor and LED film timer.

*Personnel:* Ray L. Short, Tom Boyle, Larry Beilin, Steve Little, Howard Bowen.

**Booths 95D, E, F****Plastic Reel Corp. of America**

46 Passaic St., Woodridge, NJ 07075

*Exhibiting:* Post production equipment and supplies for sale and rental featuring plastic and metal reels and cans, plastic and fiber shipping cases all in 8mm, super 8, 16mm, 35mm, and 70mm. Lab supplies including rollers, bearings, bushings, and cores. Video supplies and equipment.

*Personnel:* Pat Baccarella, Bob Miller, Stan Cohen, Vince Carabello, Don Garrison, Milt Blutter, Ray Fincke, Frank Giglio.

**Booths 45, 46****RF Technology, Inc.**

60 Wilton Rd., Westport, CT 06880

*Exhibition:* Wireless microphone, microwave systems, FlightPac System, power amplifiers, antennas, QA-4 antenna.

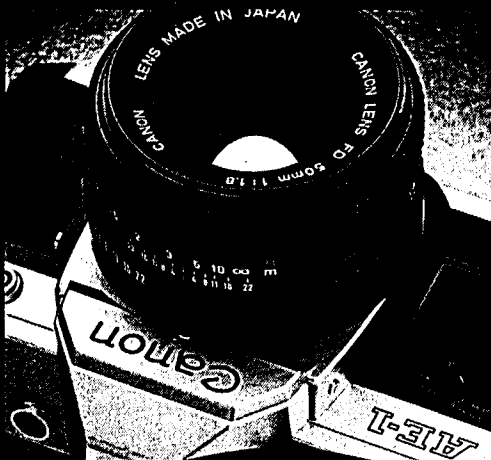
*Personnel:* Jack Fackler, Jane Fackler, Jim Smith, Peggy Smith, Joe Ewansky, Carolyn Rosen, Kevin Flynn.

**Booth 217**

# Canon presents the pick of the pack.

What makes certain CCTV lenses stand out from the crowd? Is it quality? Performance? Value? If it's a Canon CCTV lens, it's all of these and more. The entire line of Canon CCTV lenses offers traditional Canon optical performance for outstanding image quality in almost any kind of application. But as great as the complete line of Canon lenses may be, there are three standout performers that deserve special consideration. Because they offer an unusual combination of performance features that makes them something really special.

One of these lenses is the new J10x10 for 2/3" vidicon tubes. It has a really useful 10x zoom ratio and a light-gathering f/2.3 maximum aperture. Both combine to give excellent versatility in a wide range of applications. But the J10x10's *big* news is its *small* size. It's ideally compact for a lens with its

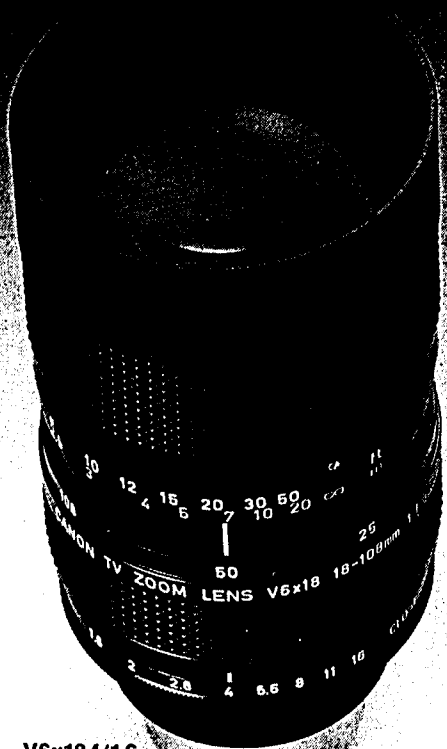


performance capabilities.

The V6x18 is a Canon CCTV "Best-Seller," thanks to its 6x zoom ratio combined with a lightning-fast f/1.6 (the fastest in its class) maximum aperture. It's the perfect lens for single-tube 1" color cameras that need a high-speed optic to take full advantage of their performance in any lighting situation.

Finally, there's the outstanding V10x15 (also available as the V10x15IE, with built-in extender). It combines a high zoom ratio (10x) with high speed (f/1.8 maximum aperture). With these features, it just might be the only CCTV lens you'd ever need for 1" tube applications. And its extra speed makes it great for single-tube color.

Of course, these lenses are also available with motorized zoom and focus functions.



V6x18 f/1.6



V10x15 f/1.8



J10x10 f/2.3



# Canon®

Optics Division

Canon U.S.A., Inc. Head Office: 10 Nevada Drive, Lake Success, N.Y. 11042 (516) 488-6700  
 140 Industrial Drive, Elmhurst, Ill. 60120 (312) 833-3070 • 13 Pularino Avenue East, Costa Mesa, Ca. 92626 (714) 979-8000  
 Canon Optics & Business Machines, Canada Ltd., 9245 American Drive, Mississauga, Ontario L4V1B8, Canada  
 Canon Amsterdam N.V., Industrial Products Division De Boelelaan 8, Amsterdam, Netherlands

**The name to know in video.**  
 Please send me information on Canon CCTV lenses and accessories.

Name \_\_\_\_\_ Title \_\_\_\_\_  
 Company/Organization \_\_\_\_\_  
 St. \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
 Phone ( ) \_\_\_\_\_

**Booths 162, 163****Rohde & Schwarz Sales Co., Inc.**  
14 Gloria Lane, Fairfield, NJ 07006

*Exhibiting:* Barco CTVM 3 with the new split screen and cross pulse options, in both the 15- and 20-in. size. New receiver/demodulators VSD1, VSD2, and BSD2/X for Barco. Two new Rohde & Schwarz products, the redesigned EKF2 demodulator for on-site monitoring and the SPF2 video signal generator with 32 different signals available.

*Personnel:* U.L. Rohde, Kristine O. Perry, Jerry Gessner, Dirk Decock, Rachel Tybus, Steven Barlow, Albert Chiaravallo.

**Booth 141****Rosco Labs., Inc.**  
36 Bush Ave., Port Chester, NY 10572

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

*Personnel:* Stan Miller, Ned Bowman, Mike Niehenke, Jim Meyer, Bob Benson, Mitchell Gottlieb, Richard Dunham, Rosemary Schlotter.

**Booth 203****SERA**  
Route 1, Box 113, Sterling, VA 22170

*Exhibiting:* 6-plate flat bed editing console with accessory 2-plate auxiliary picture modular for fast film search. Also showing low cost portable 4-plate console.

*Personnel:* Bill Gasper, John Conning, Frank Minicucci.

**Booth 205****Sigma Film Equipment Ltd.**  
Churchill Industrial Estate, Lancing, W. Sussex, England

*Exhibiting:* Servo-controlled balanced tension negative film winder, servo-controlled balanced tension negative film inspection table, servo-controlled balanced tension negative cutting table with frame count cueing.

*Personnel:* J. P. Scabourne, R. C. Loveday.

**Booth 171****Skotel Corp.**  
1445 Provencher Blvd., Brossard, Que., Canada

*Exhibiting:* Digital Metronome for original music synchronization to pre-recorded film or videotape. Portable time code generator-reader. Vertical interval time and control (VITC) code equipment with data in video capability.

*Personnel:* Stephen Scott, Tom Montgomery.

**Booth 138****Smith-Victor Corp.**  
301 N. Colfax St., Griffith, IN 46319

*Exhibiting:* Lighting equipment — quartz lighting units, stands, accessories, diffusion filters, tripods, quartz lighting kits.

*Personnel:* Bruce McCullough, Steve A. Magdaz.

**Booth 204****Snook Corp. (ROTEX)**  
14600 Winchester Blvd., Los Gatos, CA 95030

*Exhibiting:* Rotex solution management systems, automatically monitor and control electrolytic regeneration and replenishment of bleaches, also the replenishment of and silver recovery from fixer solutions. The heart of the solution management system is the LNP process controller which continually compares the ion activity of the in-tank solutions against a standard reference solution. When differences between the in-tank and reference solution occur, the LNP automatically controls various functions of the

systems to maintain the proper level of chemical activity. The AG-7309 series of equipment is for the control and silver recovery from fixer solutions.

*Personnel:* Jerry Baird, Frank Farkas.

**Booths 1, 2, 3, 4, 5, 6,  
7, 8, 9, 10, 38, 65****Sony Corp. of America**  
9 W. 57th St., New York, NY 10019

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

*Personnel:* Arnold Taylor, Bill Park, Irwin Ungerleider.

**Booths 104, 105****Soremec-Eclair USA, Inc.**  
905 N. Cole Ave., Hollywood, CA 90038

*Exhibiting:* ACL II professional lightweight 16mm motion picture camera equipment: self-silent mechanism; equipped with 400 ft. and 200 ft. snap-on coaxial magazines; HC viewfinder, 360° rotating; motor speed range is 8, 12, 24, 25, 50, 75 fps. All driven crystal control. LED 7 exposure control; accepts wide variety of lens mounts; NPR 16mm self-silent camera with video attachments.

*Personnel:* Regis Laderriere, Dieter Schefer.

**Booth 74****Spin Physics, Inc. (Sub. of Eastman Kodak)**  
3099 Science Park Rd., San Diego, CA 92121

*Exhibiting:* Quad video head assemblies.

*Personnel:* Bill Heywood, Gene Long, David Franssens, Kent White, Knowlton Harrell, Jim Bailey, Dick Harris.

**Booths 129, 130, 131, 132****Steenbeck, Inc.**  
9045 Eton Ave., Suite A, Canoga Park, CA 91304

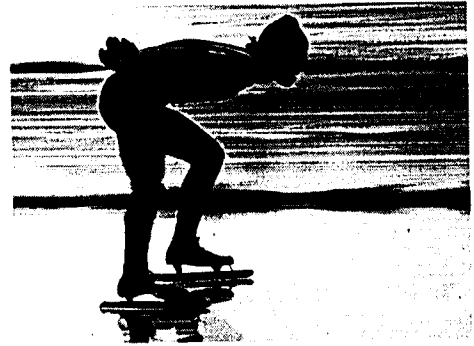
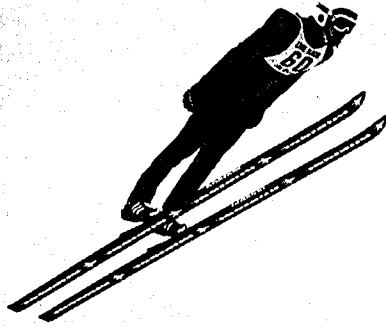
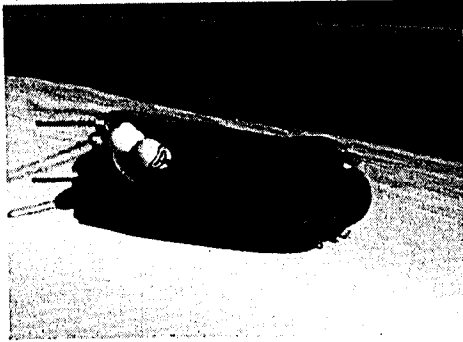
*Exhibiting:* Film editing machines, from the USA, ST-1901 (6-plate, one picture 16mm), and ST-921 (8-plate, two picture 16mm). From Germany the new 16/35 combination ST-6001, the new ST-721 (two pictures 35mm, 8-plate), a universal counter for all counting modes, and the ST-1 16mm magnetic film recorder/reproducer.

*Personnel:* H. McCall, M. McCall, W. Bass, G. Miller, W. R. Otto, B. Engstler, C. Macaulay, D. Macaulay.

**Booth 96****Strand Century, Inc.**  
5432 W. 102nd St., Los Angeles, CA 90045

*Exhibiting:* Complete line of high quality studio and location lighting and control equipment, featuring Quartzcolor, Ianiro's newest Bambino line of Fresnels, spotlights, and softlights. Pole operation from floor and remote control features. Ianiro's latest HMI Fresnelites. Strand Century's Light Palette and miniPalette memory control consoles and portable dimmers. Lekolites.

*Personnel:* Robert Schiller, Wallace Russell, Archie Fletcher, Mario Desisti, Robin Crews, Frank Marsico, Betty Schneider, Larry Nelson, Bob Dente, Bill Liento, Tom Folsom, Ed Gallagher, Brian Edney, Gene Murphy, Harry Forman, Jim Mulder.



# Scoopic can make your ideas go farther.

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

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

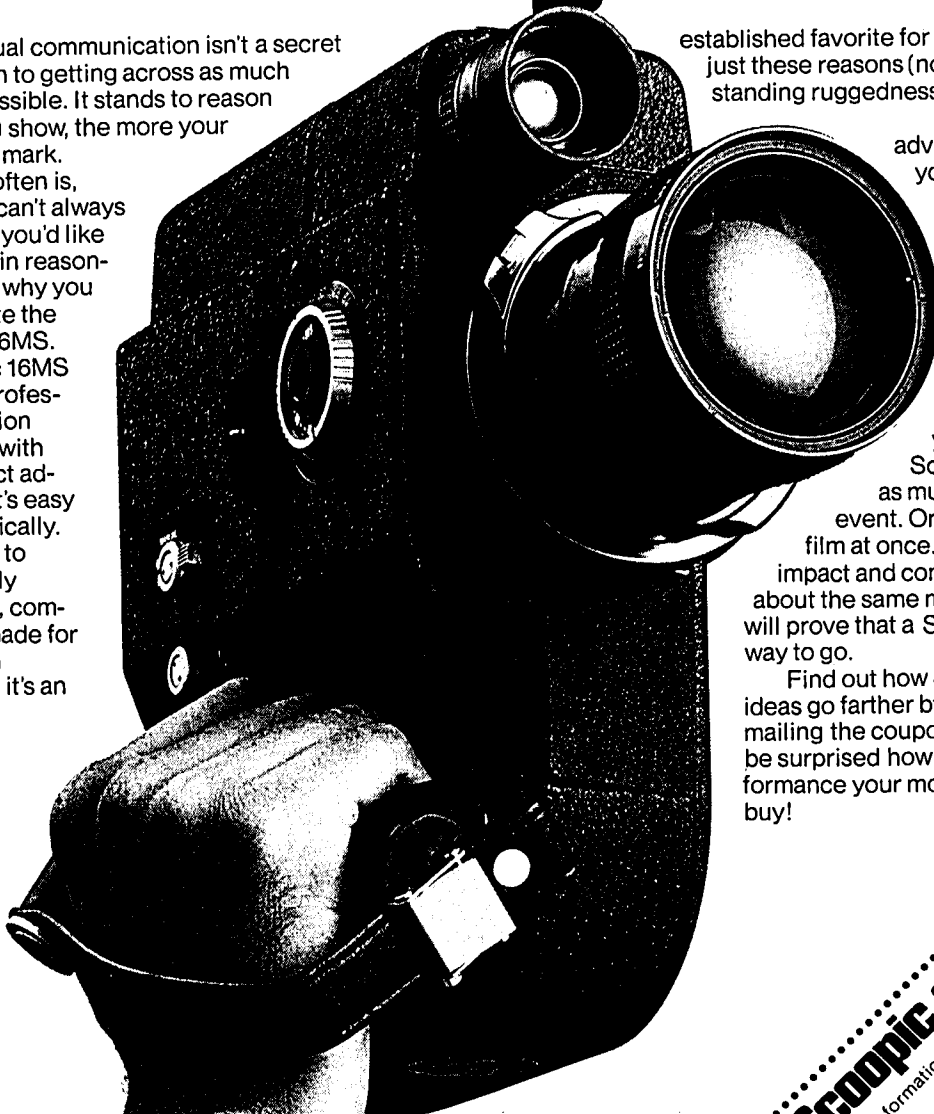
The Scoopic 16MS is a top-quality professional 16mm motion picture machine with some very distinct advantages. First, it's easy to operate technically. Second, it's easy to operate physically because it's light, compact and tailor-made for hand-held action shooting. In fact, it's an

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

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

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

Find out how Scoopic can help your ideas go farther by filling in and mailing the coupon below. You'll be surprised how much performance your money can buy!



# Canon®

Professional Motion Picture Division  
10 Nevada Drive, Lake Success, N.Y. 11042 (516) 488-6700  
123 Paularino Avenue, East, Costa Mesa, Ca. 92626 (714) 979-6000  
3245 American Drive, Mississauga, Ontario, Canada (416) 678-2730

Canon Amsterdam Industrial Products Division De Boelelaan 8, Amsterdam, Netherlands

© 1979 Canon U.S.A., Inc.



**Scoopic can do it.**

Please send me information on the Scoopic 16MS and its system

Name \_\_\_\_\_ Title \_\_\_\_\_  
Company/Organization \_\_\_\_\_  
St. \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
Phone ( ) \_\_\_\_\_



**Booths 95B, C**

**Sylvania Lighting/GTE**

Sylvania Lighting Center, Danvers, MA 01923

*Exhibiting:* Incandescent, tungsten halogen, and HMI lamps for stage, theater, and television lighting.

*Personnel:* Robin Witt, Jr., Gary Altman, Jim O'Keefe, Dave Scioli, Cliff Durkee, Ed Kowalski, Nadine Romano.

**Booths 220, 221**

**Symco, Inc.**

26 Lurline Dr., Millington, NJ 07946

*Exhibiting:* NEC videotape recorders, color cameras and monitors, and projectors; MTI graphics camera and tilting stand, for-A color corrector and Sigma sync generator processing amplifier.

*Personnel:* A. Sugiyama, H. Hamazaki, M. Doane, F. Culotta, R. Thomas, T. Hirota, H. Scala, O. Choi.



**Booths 179, 180**

**System Concepts, Inc.**

395 Ironwood Dr., Salt Lake City, UT 84115

*Exhibiting:* Quantafont™ Q-7A teleproduction graphic titler featuring microcomputer control with 16 resident fonts, proportional characters and spacing, effective average start point resolution of 20 ns, colorized characters and backgrounds, full border and shadow edge selection, insert/delete and open/close editing, font support for 13 international languages, floppy disk memory storage, etc.

*Personnel:* Ray M. Unrath, Roy Romijin, Len Zaller, Eugene Leonard, John W. Welland, Jeff Peterson, Gordon Hofhinc, Mel Williams, Shirley Dixon, Linda Forlani.



**Booths 239, 240, 241**

**Tektronix, Inc.**

P.O. Box 500, Beaverton, OR 97077

*Exhibiting:* 1980 automatic video measurement set, 1900 digital test signal generator, AA501 audio distortion analyzer, 308 data analyzer, 468 digital storage oscilloscope.

*Personnel:* Larry Kaplan, Bland McCartha, Dick Walters, Aaron Synder, George Anderson, Jerry Cudlipp, Steve Brant, Paul Raymond, Dave Walters.

**Booths 236, 237**

**Tele-Cinc, Inc.**

5434 Merrick Rd., Massapequa, NY 11758

*Exhibiting:* Schneider TV zoom lenses and accessories. ENG, EFP, studio, and field type lenses for all color cameras — 2/3-in., 1-in., 1 1/2-in. formats. Full service and rental facility. New 15X wide angle lens.

*Personnel:* Donald R. Collins, Robert D. Jones, Craig Marcin, Robert Howell.

**Booth 21**

**Telescript, Inc.**

20 Insley St., Demarest, NJ 07627

*Exhibiting:* Monitor prompting systems (MPS). Telecue and Telescriptor transports. 800-line lightweight monitor/prompters. 2-1 interlace cameras. Contrast enhance for 300% plus script readability. Digital prompting system to be demonstrated.

*Personnel:* Bob Swanson, Jon Kull, Angelo Prisco, Kay Hyde, John Lennan, Jerry Swanson.

**Booths 24, 79**

**Television Equipment Assoc.**

Box 260, S. Salem, NY 10590

*Exhibiting:* Magna-Tech tape evaluator/cleaner for 1-in., 2-in., 3/4-in. videotape. Matthew video filters, video delays, pulse delays, Rocal headset for TV interphone and sportscaster applications. BCA intercom and interphone systems. IRT color monitor comparator. Twin IFB earphone and BCA wireless IFB systems.

*Personnel:* Bill Walters, Dick Campbell, Alan Brill, Chris Cadzow, Bill Pegler.



**Booth 197**

**Tiffen Mfg. Corp.**

90 Oser Ave., Hauppauge, NY 11570

*Exhibiting:* Full line of special effect filters including fog effect, star effect, diffusion, low contrast, vari-color, vari-burst, coral. Also, 4 1/2-in. rubber lens shade, 4 1/2-in. and 138mm multi-image filters and 4 1/2-in. center-spot filters.

*Personnel:* Nat Tiffen, Ira Tiffen, Stan Abrams, Tom Grosso, Larry Bernstein.



**Booth 255**

**Toshiba — Broadcast Elec. Sys. Div.**

292 Gibraltar Dr., Sunnyvale, CA 94086

*Exhibiting:* Toshiba Model PK-60. The PK-60 is a new compact, light-weight broadcast quality, portable color camera with optional digital set-up control. The camera is uniquely packaged into a rugged 9.4-lb. unit that measures 11-in. long x 3.75-in. high. Functions required for specific purposes can be obtained by a combination of optional accessory units: Digital memory adapter, auto set-up unit, monitor/selector set-up box, multi-core adapter, microphone holder with built-in amplifier, digital and analog base stations, and digital and analog triax systems. Toshiba Model PK-39, portable color television camera.

*Personnel:* Ron Fried, N. Schneider, Dave Seedall, Aric Landrum, Vince Ziegenbein, Don Diesner.



**Booth 202**

**Union Connector Co., Inc.**

149 Babylon Turnpike, Roosevelt, NY 11575

*Exhibiting:* Distribution system from 200 amp input down to 5 amp output — grounded, UL listed, OSHA acceptable. Single phase plugs and connectors — 15 amp to 100 amp — UL listed OSHA acceptable. Outlet panels, patch panels.

*Personnel:* Richard W. Wolpert, Alan T. Wolpert, Clare M. Wolpert, Harold McCormick.

**Booth 161**

**Uni-Set Corporation**

449 Avenue "A," Rochester, NY 14621

*Exhibiting:* Uni-Set modular studio staging system used to produce visually appealing set designs. Efficiency is built into Uni-Set for all areas of involvement-planning-construction-storing. The Uni-Set system consists of 26 geometric shapes, 6 storage dollies, and a scale (planning) model.

*Personnel:* Ronald D. Kniffen, Sam Cercone, Gordon Harvey.

**Booth 173**

**Utah Scientific, Inc.**

2276 S. 2700 West, Salt Lake City, UT 84119

*Exhibiting:* Series AVS-1 switching matrices and a variety of control panels. The company will introduce at the SMPTE meeting its new source display strips consisting of multiple four-character alphanumeric displays



Scotch is a registered trademark of 3M

For the second year in a row, Scotch® 479 won the award for the best picture of the year in a test of one-inch video tapes.

We scored well in all of the twelve categories tested, but especially well in the categories that commonly represent picture quality: color dropouts, high frequency dropouts, chroma noise, signal-to-noise ratio and stop motion.

These were scientific, quantitative tests, conducted as you would conduct them yourself, with no room for brand bias. The meters didn't play favorites. The standards were the same for every brand tested. And we tested every brand.

These kinds of test results don't surprise us. We pioneered the invention of video tape. And we've been setting the standard for quality ever since.

Our quality has always been consistent from the first replay to the

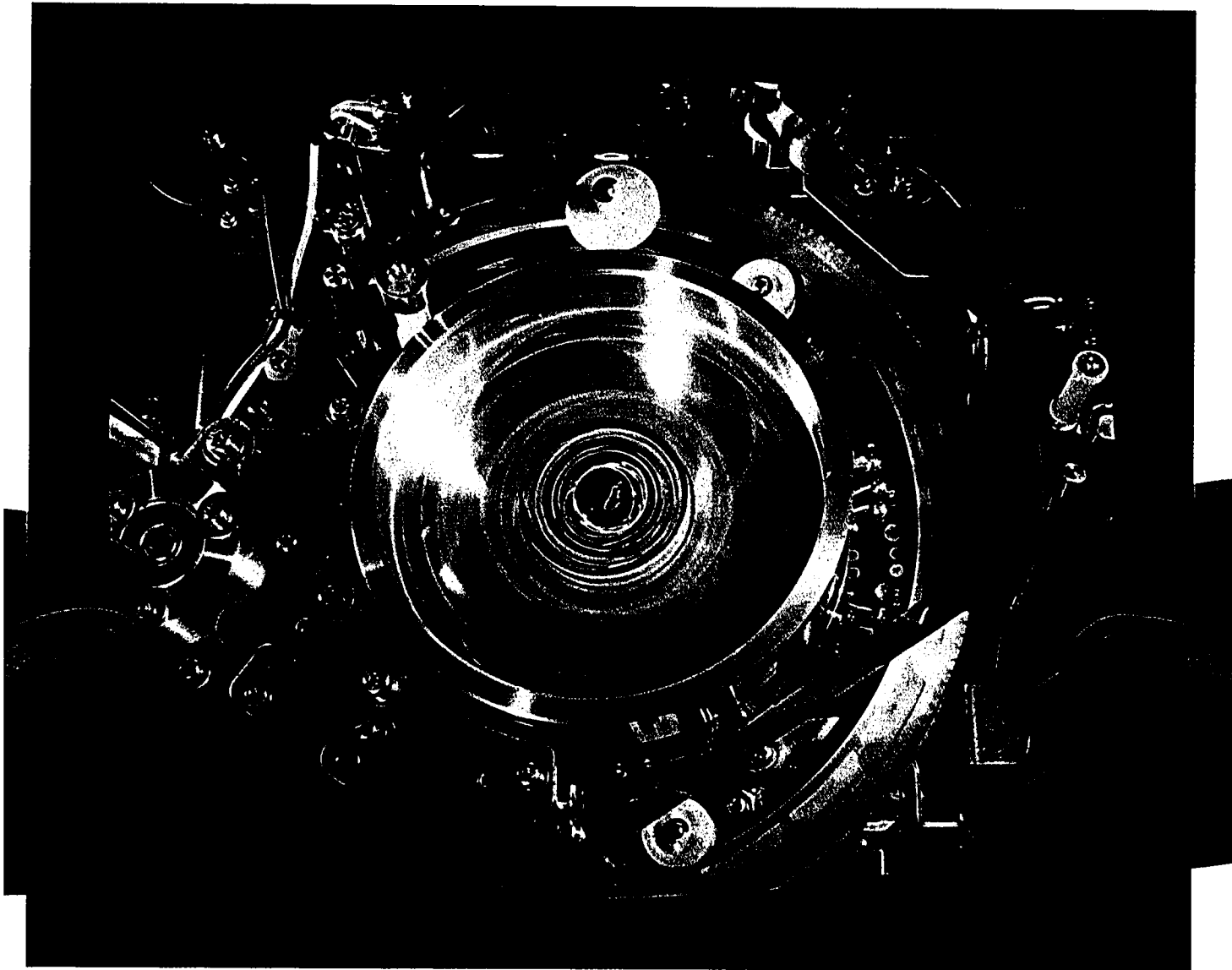
last. In fact, our sophisticated binder and oxide coating are more advanced than the binders and oxides on some quad tapes. They had to be advanced to meet the special durability demands of one-inch video production.

So choose Scotch 479 for your one-inch video production. You'll find it looks good from repeated mastering all the way through post production. And we've seen the test results to prove it.



**3M**

# Video:



**It's time  
for a new approach.  
Introducing  
JVC's TapeHandlers**

JVC has taken a new look at 3/4" Video Cassette Recording, with an eye for what you've been looking for.

Stability. Reliability.  
Gentle tape handling.  
Economy.

Take a look inside one of JVC's new TapeHandlers. You'll be amazed at what you don't see.

No pulleys.  
No belts.  
No idlers.

Instead, Direct Drive reel servos that keep tape tension constant for smooth and stable tape transport, reliable tape shuttling.

A simplified tape threading mechanism for gentle tape handling.

Four brushless motors that directly drive the capstan and drum servos to give stability and reliability, reduce luminance jitter to less than  $\pm 5$  microseconds.

A die-cast aluminum chassis to give strength, promote easy interchangeability, keep weight down.

**NOT JUST NEW MECHANICAL DESIGN. NEW ELECTRONICS.**

JVC's TapeHandlers not only have a new way to handle your tape, they have new electronics, too.

FM-FM direct dubbing capability for multi-generation duplication.

Microprocessor-based control logic for reliability and ease of operation.

Extremely stable horizontal phase lock.

Fully electronic tape counting and timing, with a brilliant fluorescent display.

**UTMOST VERSATILITY. SIX UNITS. BROAD INTERFACING CAPABILITY.**

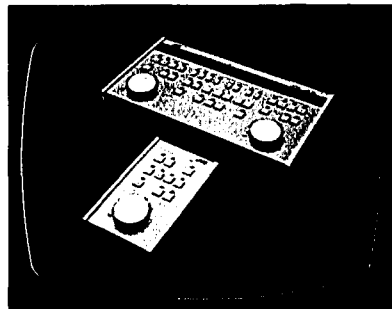
JVC's heavy-duty TapeHandlers have been designed to have wider use than just professional video productions.

With their ruggedness, the six separate units can be used in varying combinations by anyone involved in video. And they interface without modification with most other microprocessor-based editing units on the market.

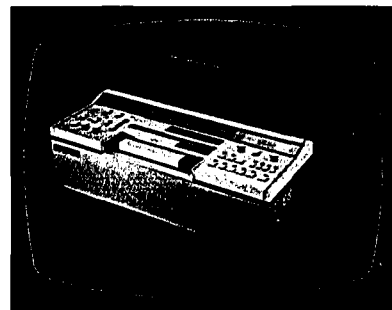
These units are just a start. Other fully compatible products, complementary in function, are soon to follow from JVC. The advances incorporated in the TapeHandlers are too important not to be extended to all who want and need to use video, at any level.

**CR-8200U TapeHandler: THE NEW-GENERATION RECORDER/EDITOR.**

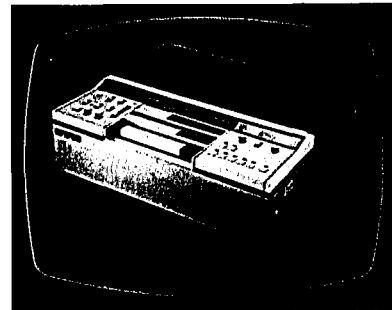
The leader of JVC's TapeHandler Series is the all-purpose CR-8200U Recorder/Editor. A built-in rotary erase head and blanking switcher make it



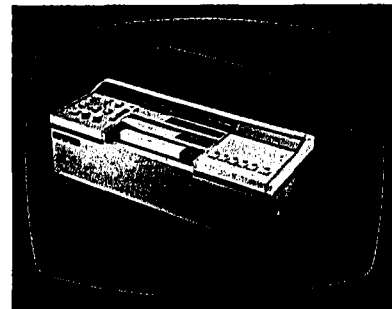
RM-88U  
RM-70U



CR-8200U



CR-6600U



CP-5500U

easy to perform automatic assemble (back space) editing and split insert editing—a must for professional quality video productions. The new FM-FM dubbing system transfers the chroma and luminance signals in FM form, to cut deterioration significantly. Capstan servo, of course, for top editing performance. Random access capability. Direct mode change without going through "Stop," to allow full remote control. Sub-carrier and external sync capability for use with Time Base Correctors. And, naturally, the new TapeHandler Direct Drive reel servo system to keep tape tension constant in all modes.

The CR-8200U TapeHandler is the ideal core unit around which to build a fully automatic electronic editing system

**CR-6600U TapeHandler: THE FULL-FUNCTION RECORDER WITH ASSEMBLE-EDITING CAPABILITY.**

The CR-6600U is the videotape recorder designed for the busy studio. Its rugged construction and gentle tape handling give you the kind of reliability you need when workloads are heavy. The built-in automatic pre-roll mechanism and blanking switcher let you do assemble editing using only the record and pause buttons. FM-FM dubbing makes it perfect as a master VTR for multi-generation dubbing. Microprocessor-based logic allows full remote control. Two audio level control meters. External sync capability. TBC connections.

This is the recorder you'll value for its quality, reliability, versatility.

**CP-5500U TapeHandler: THE COST-EFFICIENT PLAYER WITH ON-AIR QUALITY.**

Want a low-cost player for stable and reliable on-air playback? That's the CP-5500U. Or use it with the CR-8200U and

an automatic editing control unit and you have a superb, fully automatic electronic editing system. Or take advantage of its FM-FM duping capability and use it as a companion to the CR-6600U.

It's a TapeHandler, with the stable tape transport that makes it perfect for these critical applications.

**MICROPROCESSOR-BASED EDITING REMOTE CONTROL UNITS.**

JVC offers you a choice of compact control units: the easy-to-operate RM-88U for precise timing of machine functions, the low-cost RM-82U, and the RM-70U full remote control unit with shuttle-search function. All are based on a full logic circuit using a microprocessor. And all have JVC's new SOFTOUCH shuttle-search control for fast and accurate location of editing points. Turning the rotary dial varies the tape playback speed continuously from still to 5 times normal, in both forward and reverse. When the desired speed is reached, just let go, and it remains locked at that speed. When you change modes, the dial automatically returns to the still position. No locking latches or pulling of knobs when you change from still to playback speed.

**GET ALL THE DETAILS**

Call your JVC Dealer. He'll be glad to demonstrate the TapeHandlers for you and let you try them for yourselves. Or, if you prefer to read about them first, send for our detailed catalog that spells out their specifications.

Write US JVC Corp.,  
41 Slater Drive, Elmwood Park,  
New Jersey 07407.

Phone toll free  
**800-821-7300**  
Ext. 7005

(In Missouri: 800-892-7655,  
Ext. 7005).



Your choice.  
Now. **JVC**<sup>®</sup>  
US JVC CORP.

for mounting on production switchers of various manufacturers in order to show in mnemonic form the currently assigned source for each assignable input of the production switcher. Horizontal space of the displays will be custom matched to the production switcher button spacing and color matching will be optionally available.

*Personnel:* Lyle O. Keys.

**Booth 222**

**Videotek, Inc.**

125 N. York St., Pottstown, PA 19464

*Exhibiting:* Videotek will exhibit studio, portable, and display color monitors in various sizes. Also included are TSM-5 waveform monitor and DM-4R demodulator.

*Personnel:* Phil Steyaert, Peter Choi, Emery Grady, Eric Wahlberg, Don Taylor, Rick Hollowbush, Terry Detwiler.

**Booth 172**

**Weathermation, Inc.**

190 N. State St., Suite 516, Chicago, IL 60601

*Exhibiting:* Color computer remote radar system accessing National Weather Service radars via dial-up telephone. Digital six-color-level format for displaying rainfall rates with map overlays transmitted simultaneously on a subcarrier tone. Sixteen-color graphics generator for computer display of maps, grids, and alphanumeric via keyboard com-

mand for weather presentations, election results, statistical studies, and much more.

*Personnel:* William V. Smith, Robert D. Muellner, Edward C. Anderson, Paul Post, Steve Rutkowski.

**Booth 175, 176**

**The Winsted Corp.**

8127 Pleasant Ave., So., Minneapolis, MN 55420

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

*Personnel:* Jerry Hoska, Chuck Johnson, Greg Hedlund, Bill Hansen.

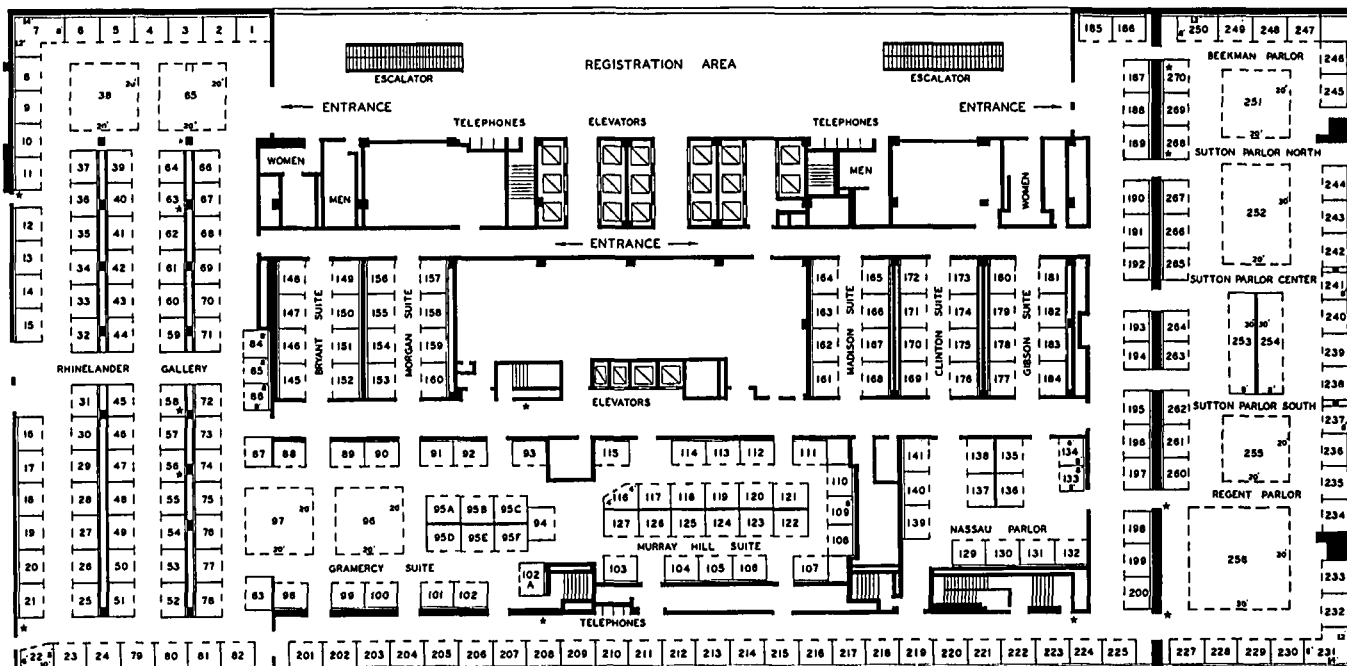
**Booth 137**

**Zellan Enterprises, Inc.**

1776 Broadway, Rm. 1909, New York, NY 10019

*Exhibiting:* Aaton 7 LTR 16mm motion picture camera; Aaton video assist system; and a full line of accessories for the Aaton such as cases, barnies, chargers, etc.

*Personnel:* Les Zellan.



**Floor plan of the Exhibit Area.**



Even the best copy  
may not be perfect.

# Insist on the original.

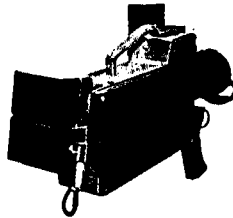
Ever since Cine 60 invented the Powerbelt 20 years ago there have been imitations. And while we're flattered that so many have tried to follow our lead, we'd like to set the record straight. Cine 60, the original, has:

**The broadest line of proven products**



Cine 60 offers you maximum flexibility, maximum reliability. From our Fast Charge Powerbelts that can be charged in less than an hour, to our light, bright portable lighting kits.

On-Board batteries for all popular ENG and EFP cameras. In-Boards for VTR's. Dememorizers to restore "new" battery performance. Car Fast Chargers for recharging from any vehicle. State-of-the-art high frequency chargers that are half the weight and size of competitive units.

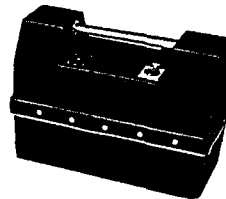


Nobody else comes close to Cine 60's record of reliability. Our high value, high performance nickel-cadmiums have logged more hours, powered more cameras, shot more footage

than all others combined. They've proven themselves in the only test that counts - daily use by pros.

**The most experienced technical personnel**

All told, Cine 60 personnel have over a hundred years of experience in working with film and video

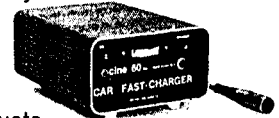


pros to give them the products they need. Nobody else knows so much about portable power or the demands you put on it. As a result, you can get whatever technical help you need with just a phone call.

Chances are we've solved the problem before.

**Readily available parts and service - Coast to Coast**

New York, Hollywood or in between, Cine 60 stocks complete parts for all our products. Trained technicians can rebuild our belts with original equipment quality cells, quickly, economically. Cine 60 also maintains a complete stock of all our belts, packs and related products, from 4 to 20 amp hours.



If you ever need help, one call will get you the belt you want shipped in 24 hours in most cases. That's the kind of instant response that separates the pros in portable power from the rest of the pack. With all you've got riding on a shot, settling for anything less than the original is a compromise you can't afford.

**CINE 60**  
INCORPORATED  
*The Original*

630 Ninth Ave., New York, N.Y. 10036  
Telex: 645647 & TWX: 7105816073  
(212) 586-8782

6430 Sunset Blvd., Hollywood, Calif. 90028  
(213) 461-3046, Cable: CINEBELTS

