



**DALLAS/FORT WORTH, 8 Nov.** — The meeting was held in the Conference Room of Eastman Kodak Co.'s facilities in Dallas with an attendance of 65 members and guests. The speaker was Frank Reinking of Eastman Kodak Co. He explained how photographic soundtracks are made and why the cross-modulation test is an excellent measurement of sound quality. He also described a system for recording and reproducing stereophonic photographic soundtracks on motion-picture films and conducted a demonstration of two- and three-channel systems. — William R. Schock (Secretary-Treasurer), KDTV Doubleday Broadcasting Co., Dallas, TX 75240.

**AUSTRALIA, 19 Nov.** — The meeting was held in Sydney with an attendance of about 60 members and guests. The speaker was John Errey, of Eastman Kodak Co. who presented "The Video Film Story." The presentation was followed by about an hour of lively questions and answers. — P. H. Budden (Chairman), Colorfilm Pty., Ltd., 35 Missenden Rd., Camperdown, N.S.W., Australia.

**DENVER, 27 Nov.** — The meeting was held in the Eastman Kodak Co. facilities in Denver with an attendance of 29 members and guests. Robert Scott, of Eastman Kodak Co., Rochester, N.Y., demonstrated new super-8 equipment that can be used for in-house film origination and processing and is capable of both optical and electronic display. Several Canadian members were present and expressed interest in the equipment for television news reporting. — Leland D. Edelmaier (Secretary-Treasurer), Metropolitan Television Co., 1044 Lincoln St., Denver, CO 80203.

**ATLANTA, 3 Dec.** — The meeting was held at the Eastman Kodak Marketing Center in Atlanta with an attendance of 22 members and guests. Roy Dodson, of WAGA-TV spoke on "A New Approach to an Audio Console for Television" and Glenn Berggren of Wil-Kin, Inc., spoke on "How to Write a Paper." — Hugo A. Bondy (Secretary-Treasurer), WAGA-TV, P.O. Box 4207, Atlanta, GA 30302.

**CHICAGO, 11 Dec.** — The meeting was

held in the auditorium of the Eastman Kodak Co. with an attendance of about 100 members and guests. The speakers were Harold Vincent, Michael Gittenger and Roland Johnson, all of Eastman Kodak Co. Mr. Vincent discussed the use of a Triniscope in color television recording. Mr. Gittenger described new super-8 equipment including a camera and automatic processor. His talk was illustrated with slides and with 8mm motion pictures. Mr. Johnson discussed three-channel stereo photographic sound. The meeting was preceded by a dinner at Andy's Steak House. — Byron L. Friend (Secretary-Treasurer), Telecine Film Studios, Inc., 100 S. Northwest Hwy., Park Ridge, IL 60068.

**MONTREAL/OTTAWA, 11 Dec.** — More than 200 members and guests attended the meeting which included a tour of Maison Radio-Canada, the new Montreal headquarters for Canadian Broadcasting Corp., which had been opened officially by the Prime Minister a week before the meeting. The welcoming address was given by Guy Fontaine, Director of TV Technical Services for CBC. The members and guests were arranged in small groups for the tour of major studios, control rooms and scenery and stage shops. The tour was climaxed by a multimedia TV presentation. Refreshments were supplied through the courtesy of Maison Radio-Canada. — Jacques Lambert (Secretary-Treasurer), Lambert, Lepage, L'Abbe, Inc., 3275 Prieur St. E., Montreal-Nord, P.Q., Canada.

**NEW YORK, 11 Dec.** — The meeting was held at the CBS Broadcast Center with an attendance of 158 members and guests. The speakers were Joseph A. Flaherty, Manager of Engineering and Development for CBS TV Network, Frederick R. Nobbs, Sales and Engineering Representative, Motion Picture and Audio Visual Markets Div., Eastman Kodak Co., and Anthony M. Fiori, President of Spectravision Corp., Philadelphia. Mr. Flaherty presented a paper on "Television News Gathering." Using three color monitors and a series of slides and videotape sample subjects, he described and demonstrated the development of an electronic news-gathering system and the results achieved. The demonstration showed the immediacy with which the system makes the news available, thus permitting more timely broadcasts at lower operating costs. Of special interest was the demonstration of the output of a live camera at the site of the news event being recorded at the station and broadcast on the news program immediately following — a procedure that is not practical with more conventional methods.

Mr. Nobbs's subject was "Technological Advance in Super-8 Products." He described some of Eastman Kodak's new products including the new super-8 sound camera with the large cartridge, the Kodak Ektachrome SM film 7244, the rapid-access processor and the super-8 video player.

Mr. Fiori spoke on "Automatic Videotape Editing." He showed and demonstrated a new editor-programmer with control logic to interface film with video-

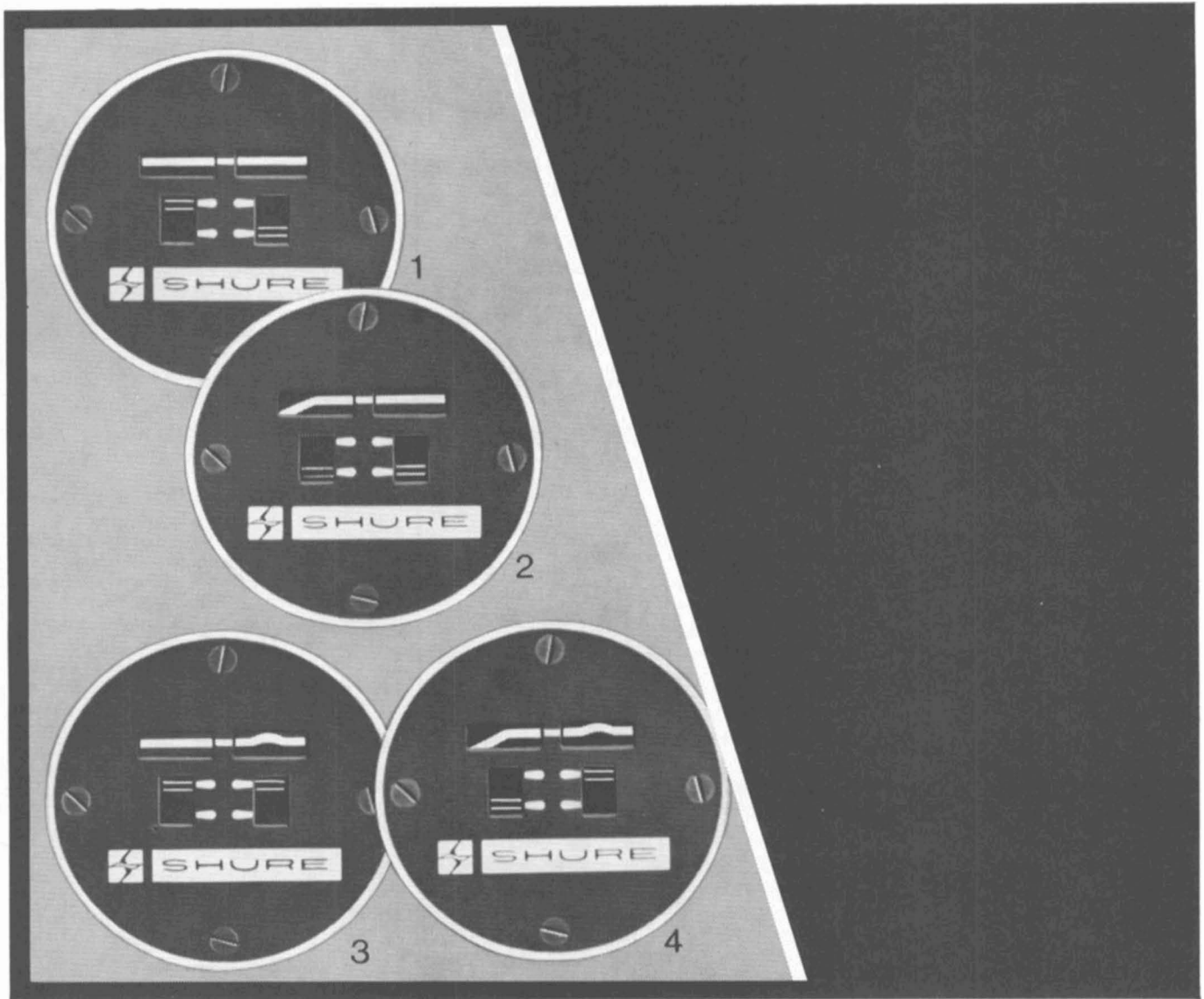
## This is all the recorder you need!

Here's a fine piece of equipment — made especially for the motion picture industry — that's right for just about any assignment. The Arrivox-Tandberg incorporates every essential capability without an ounce of fluff. And because its carefully selected features are right, it's priced right! Write for detailed literature before you buy any recorder at any price!

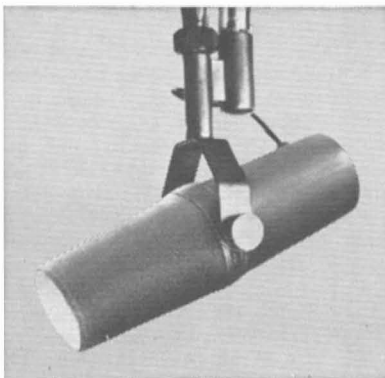
**ARRI**  
ARRIFLEX COMPANY OF AMERICA  
P.O. Box 1050, Woodside, N.Y. 11377  
1011 Chestnut St., Burbank, Calif. 91502



**ARRIVOX-TANDBERG**  
PROFESSIONAL 1/4" TAPE RECORDER



**What you see is what you get.**



The extraordinary Shure SM7 professional microphone features something you've never seen before: a *built-in Visual Indication Response Tailoring System* that offers you four different frequency response curves—and shows you the curve you've selected with a graphic readout (see above) at the back of the microphone! Choose: 1. flat response; 2. bass roll-off; 3. presence boost; 4. combination of roll-off and presence. And there's more: the SM7 delivers exceptional noise isolation with a revolutionary pneumatic suspension mount . . . an ultra-wide, ultra-smooth frequency response . . . an integral "pop" and wind filter . . . and a cardioid pickup pattern that looks "text-book perfect." The Shure SM7 Studio Microphone was extensively field-tested in recording studios and broadcasting stations! Write:

Shure Brothers Inc.  
222 Hartrey Ave., Evanston, Ill. 60204  
In Canada: A. C. Simmonds & Sons, Ltd.



# VACUUMATE CORP. Offers... **NO-EN**

**NO-EN GIVES TROUBLE-FREE PROJECTION TO LOOP AND CARTRIDGE LOADED FILMS.**

**FILM TREATMENT**  
®

**NO-EN**  
FILM TREATMENT  
®

PROVIDES A GLOSSY SMOOTH, DRY SURFACE — —  
**INSURES SMOOTH UNINTERRUPTED SHOWINGS AND EXTENDS THE LIFE OF THE PRINTS**

APPLIES FOR 8-16 AND 35 mm — RECOMMENDED BY ALL LEADING MANUFACTURERS OF LOOP AND CARTRIDGE LOAD PROJECTORS . . .

<b>NO-EN AVAILABLE ALSO AT</b>	<b>AB HOLLYWOOD FILMLABORATORIUM</b> 191 77 Sollentuna Rotebro, Sweden
<b>GORDON AUDIO VISUAL SERVICE</b> 28/30 Market Place London W1N 8PH, England	<b>MOTION PICTURE LABS., INC.</b> 781 South Main Street Memphis, Tenn.
<b>COLORMAX CORPORATION</b> 1105 Truman Road Kansas City, Missouri	<b>BELLEVUE PATHE LIMITED</b> 9 Brockhouse Road Toronto 14, Ontario, Canada
<b>JAVELIN PRINT SERVICES, INC.</b> 3518 Cahuenga Boulevard West Los Angeles, California 90068	<b>CINE GRAPHIC FILM LAB., INC</b> 101 No. 17th Street St. Louis, Missouri
<b>RHEIN RUHR FILM</b> 4630 Bochum Konigsallee 124, West Germany	<b>GEO. W. COLBURN LABS., INC.</b> 164 No. Wacker Drive Chicago, Illinois
<b>A-V CORPORATION</b> 2518 North Boulevard Houston, Texas	<b>ENTERTAINMENT SYSTEMS (PTY.) LIMITED</b> 65 Third Street Booyens Reserve Johannesburg, South Africa
<b>XICOM, INC.</b> RFD #1 Sterling Forest Tuxedo, New York	
<b>SUPER 8 CITY</b> 1303 Gallaudit Street, N.E. Washington, D.C.	

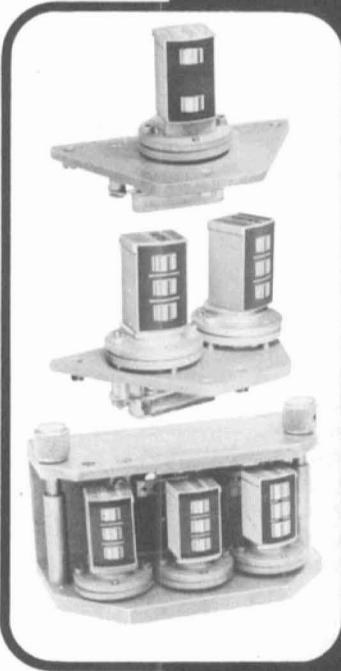
\* YOU CAN HAVE A NO-EN FRANCHISE IN YOUR OWN LABORATORY ALSO . . . ASK ABOUT IT NOW . . . . \*

**VACUUMATE**  
ALSO PROVIDES COMPLETE  
MOTION PICTURE SERVICING  
FILM STRIPS — CUT,  
CANNED AND PACKAGED  
• 8mm CARTRIDGING

**VACUUMATE**  
FILM PROTECTIVE PROCESS  
Gives fine super film protection  
against oil, water, scratches,  
fingermarks, climatic changes.

\* FOR INFORMATION WRITE VACUUMATE CORP. 207 WEST 25th STREET, NEW YORK, N.Y. 10001

## NORTON® FILM HEADS in ALL FORMATS for ALL EQUIPMENT



- Direct factory replacement film heads from OEM stock
- Tested and aligned for immediate plug-in use
- Your equipment need not become obsolete
- Off the shelf factory prices

Send us your worn head assembly for replacement with new top quality NORTON film heads, completely tested, aligned and ready for plug-in use.

Why not have extra head assemblies available. NORTON can also supply complete new units to match your present equipment and requirements.

NORTON offers you over 17 years experience in research, development and production in magnetic recording.

Write or call for prices and data.

**NORTON ASSOCIATES, INC.**  
10 Di Tomas Court, Copiague, N.Y. 11726 • 516 842-4666

tape editing. A lively question and answer period followed each presentation. — William L. Cooper, Jr. (Publicity Chairman), 34 Kramer Dr., Paramus, NJ 07653.

RYERSON STUDENT CHAPTER, 12 Dec. — The first meeting of the Ryerson Student Chapter consisted of an informal question-and-answer session of the Panavision system of cameras. Thanks to Mr. Terrier of Cinevision (Ontario), Gerald Sohy, Rental Manager, Helmut Cremer, a Panavision camera technician, and Thomas Ryan of I.A.T.S.E., we became acquainted with the Panavision. Questions ranged from practical to technical during the three-hour session. A large number of students attended, most of whom were seeing their first Panavision camera. — Linda Hutch (Secretary-Treasurer), Ryerson Student Chapter, 122 Bond St., Toronto, Ont. M5B 1X8, Canada.

DALLAS/FORT WORTH, 18 Dec. — The meeting was held in Eastman Kodak Company's conference room with an attendance of 72 members and guests. The first item on the program was a film, produced by Mobil Oil Corp., featuring the French pantomimist, Marcel Marceau. Following the film, the three speakers, Bob Scott, Joe Tripoli and Joe Macaluso, all of Eastman Kodak Co., described the new Kodak Ektachrome SM film 7244, the Supermatic 200 sound camera, the Supermatic 8 processor and the Supermatic film videoplayer. The presentation included the showing of a film shot in the reception area just prior to the meeting and processed in the room while the meeting was in progress. This was an especially interesting presentation since all the equipment was set up and working. — William R. Schock (Secretary-Treasurer), KDTV Doubleday Broadcasting Corp., Dallas, TX 75240.

DETROIT, 18 Dec. — The meeting was held in the auditorium of WWJ-TV/AM/FM with an attendance of 33 members and guests. Jerry L. Grever, Manager of Electronic Recording Equipment Engineering and Product Management for RCA Corp. presented a paper on "Possibilities for a New Compatible Quadruplex Video Recording Format." A lively question-and-answer period followed the presentation. Special thanks are due to Mr. Grever because of the lengths to which he went to overcome transportation difficulties in order to appear at the meeting. — Ted H. Horn (Secretary-Treasurer), Chrysler Corp., 12000 Oakland St., Highland Park, MI 48203.

HOUSTON, 18 Dec. — The meeting was held in the Astrodome with an attendance of 48 members and guests. Jim Schram, the Chief Engineer of the Astrodome, demonstrated the Scoreboard and described the Astrodome's sound system, including delay techniques. He showed the Scoreboard in operation and demonstrated its multi-color possibilities and automatic sequences. He also discussed the photographic parameters for films to be shown on the Scoreboard. — Harvey Wheeler (Secretary-Treasurer), Photographic Laboratories, 1926 West Gray, Houston, TX 77019.

# Call by April 30 and save more than 50%

For readers of the SMPTE Journal:  
This is a one-time-only advertisement.

It offers you a one-time-only opportunity to own the incomparable GE PJ500 giant-screen color TV projector ...in practically new condition... at a price so low we can't even mention it!

## We have a bargain for you

We are the Command Performance Video Network. We provide a customized communications service for industrial, governmental and professional organizations. And the heart of our operation is the General Electric PJ500 giant-screen color TV projector. The PJ500 is, we believe, the best TV projector available today.

## If your organization has need for a PJ500, owning has just become less expensive than renting

We're overstocked by 20 of these units. And we're selling them for less than 50% of the original cost. If your organization rents audio/visual equipment, buying the PJ500 at better than 50%-off makes extraordinary sense. It is the most efficient, most dynamic piece of equipment you can use for your communications needs. The PJ500 presents a vivid, full-color image. For input, you can use off-air TV reception, video tape and cassette, live camera, closed-circuit TV, data network and video film chain.

## All units are precision-engineered, in perfect condition and guaranteed

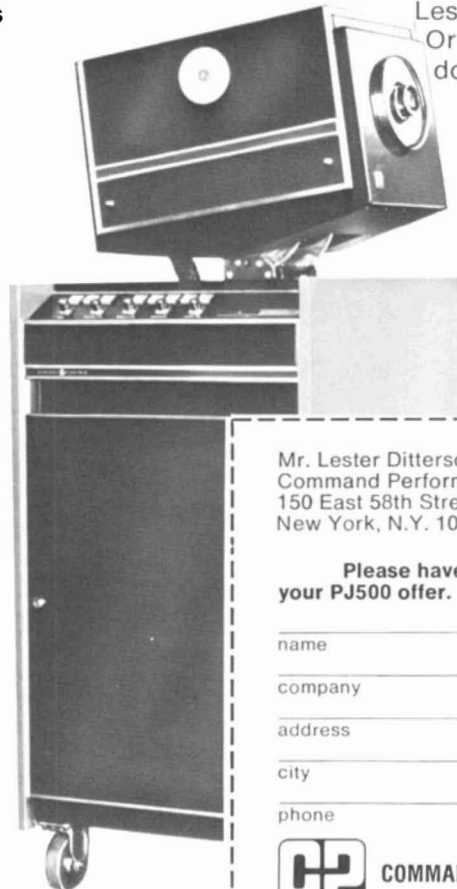
We guarantee each and every PJ500 for a full year or 1000 hours of use (whichever comes first). That's how confident we are of the unit's mechanical integrity. You should know these technical facts, too: GE's exclusive "single gun",

single optical path system generates the complete spectral range simultaneously. This insures *automatic* color registration and optimum results for both front and rear screen projection. What's more, the PJ500's compact size makes it easily transportable. And it requires only standard 115V/20 Amp appliance outlets.

## Come April 30, this offer ends

We've set up a deadline of April 30 to sell our excess PJ500 units. So don't delay. Call our Les Dittersdorf today at (212) 752-6370. Or use the coupon. But do it right away. April 30 is it.

**Call  
Les Dittersdorf  
at (212) 752-6370  
or airmail  
this coupon  
today.**



Mr. Lester Dittersdorf, Managing Director  
Command Performance Video Network  
150 East 58th Street  
New York, N.Y. 10022

Please have someone contact me right away about your PJ500 offer.

name \_\_\_\_\_ title \_\_\_\_\_

company \_\_\_\_\_

address \_\_\_\_\_

city \_\_\_\_\_ state \_\_\_\_\_ zip \_\_\_\_\_

phone \_\_\_\_\_



COMMAND PERFORMANCE VIDEO NETWORK, INC.

**NOW!**  
**FILM CLEANING**  
**AS SIMPLE AS REWINDING**

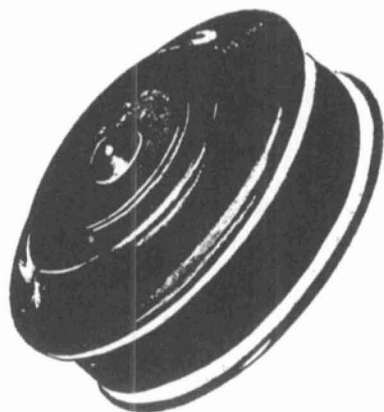
**DRYPUR**  
**FILM CLEANER**

**AN ENTIRELY NEW PROCESS FOR  
CLEANING MOTION PICTURE FILM**

**NO  
INJURY  
TO  
FILM**

- ★ **NO LIQUIDS**
- ★ **NO FUMES**
- ★ **NO FRICTION**

DRYPUR unit with amazing DRYPUR cleaning compound cleans, and actually absorbs, dirt, dust, lint and oil. Specially designed for use with negatives and raw stock.



**REGENERATES ITSELF**

DRYPUR roller cleans all exposed or unexposed black and white and color film, sound or silent. Removes lint and dust from pre-print material and rawstock.

- ▶ **CAN BE ATTACHED TO YOUR PRESENT PRINTING EQUIPMENT**
- ▶ **DRYPUR CLEANING COMPOUND**
  1. NON-TOXIC
  2. NON-ODOROUS
  3. NON-VOLATILE
  4. HAS NO EFFECT on the flexibility or tensile strength of the film.
- ▶ **ROLLERS E-Z SNAP-ON SNAP-OFF OPERATION.**
- ▶ **OPERATES AT A WIDE RANGE OF SPEEDS**

PRODUCT OF  
**HAUSDORF PRECISION LABORATORIES**

SOLE DISTRIBUTOR

**FILMKARE PRODUCTS COMPANY**

207 WEST 25th ST., NEW YORK, N.Y. 10001

DENVER, 19 Dec. — The meeting was held in the offices of Western Service & Supply with an attendance of 24 members and guests. The attendance was somewhat below expectation due to cold weather and snow-packed and icy streets. Ronald Welsh spoke briefly, introducing all of the new 1974 officers who were present. Robert Tankersley, of Western Service & Supply, presented a preview of a major motion picture starring Clint Eastwood. In addition to the bad weather, we believe that a cause of the small attendance may be the fact that an "R" rated movie was shown. It was an excellent movie but quite violent. — Leland D. Edelmaier (Secretary-Treasurer), Metropolitan Television Co., 1044 Lincoln St., Denver, CO 80203.

DENVER, 9 Jan. — The meeting was held in the Executive Club Building with an attendance of 20. The purpose of the meeting was to discuss and confirm committee activities and reports pertaining to the Winter Television Conference (held 24-25 January in Denver). — Herbert P. Banister (Secretary-Treasurer), Davis Audiovisuals, 1801 Federal Blvd., Denver, CO 80204.

DALLAS/FORT WORTH, 10 Jan. — The meeting was held in the studios of KERA-TV in Dallas with an attendance of 29 members and guests. The speakers were Gordon Yoder and Dick Byers, both of Gordon Yoder, Inc. The meeting opened with a showing, via videotape, of *Who Built This Place?*, a KERA-TV Channel 13 film. The film, produced and directed by Sam Hudson, won an award at the Atlanta Film Festival. Mr. Yoder then described the design concept of the Yoder Crystal 16 camera and explained some of the factors that led to Gordon Yoder, Inc., producing and marketing the camera. Mr. Byers discussed technical aspects of the camera. The camera was demonstrated by

the two men who answered questions from the audience. — Addison T. Steven (Secretary-Treasurer), Eastman Kodak Co., 6300 Cedar Springs Rd., Dallas, TX 75235.

PACIFIC NORTHWEST, 11 Jan. — The meeting was held in Seattle with an attendance of 58 members and guests. The speakers were Robert McAll, CBS Laboratories; Clive Tobin, Alpha Cine Laboratories; and Charles Rhodes, Tektronix, Inc. Mr. McAll presented a paper entitled "Dynamic Television Measurements" in which he discussed AM-FM limiting. Mr. Tobin spoke on "Filming for TV" presenting information on how to obtain optimum contrast and maximum tone scale when shooting film for television use. Mr. Rhodes under the title of "The Need for Phosphor Colorimetry Correction by Means of a Color Matrix" discussed in detail the present limitations of phosphor colorimetry. He demonstrated the need for phosphor colorimetry corrections by means of a color matrix. — R. Richard Engstrom (Secretary-Treasurer), Engstrom Motor Home Center, 17150 S.W. Boonesferry Rd, Lake Oswego, OR 97034.

HOLLYWOOD, 15 Jan. — The meeting was held in the Roger Young Center in Los Angeles with an attendance of 107 members and guests. The speakers were Ralph Westfall and Grover Boyd, both of Eastman Kodak Co. Mr. Westfall presented a paper on "Factors Affecting Cleanliness of Motion-Picture Film" and Mr. Boyd spoke on "The Economics of Super-8 Projection Cassette Loading." Both papers were accompanied with well-prepared slides and motion pictures. A lively question and answer period followed the presentations. The meeting was preceded by a dinner in the Blue Room East at Roger Young Center. — Don V. Kloepfel (Secretary-Treasurer), DeLuxe General, Inc., 1546 N. Argyle Ave., Hollywood, CA 90028.



Volker Bahnemann (L) of Arriflex Co. of America discusses the Arriflex BL camera with cameraman Sol Negrin while Edward J. Messina, Jr., and E. Carlton Winckler look on.

NEW YORK, 15 Jan. — The meeting was held at the United Engineering Center with an attendance of 102 members and guests. The speakers were Volker Bahnemann, Arriflex Co. of America, and Walter Drucker of F&B/Ceco., Inc. Mr. Bahnemann gave a talk and also a demonstration on how the Arriflex BL camera has been

adapted to meet the changing film requirements of television and motion-picture production. He pointed out that the camera's quiet mirror shutter viewfinder and crystal-regulated cordless sync are among the features of the new design. A filmed tour of the Arriflex plant was shown. Mr. Drucker described and demon-



## OUR TEAM IS YOUR TEAM

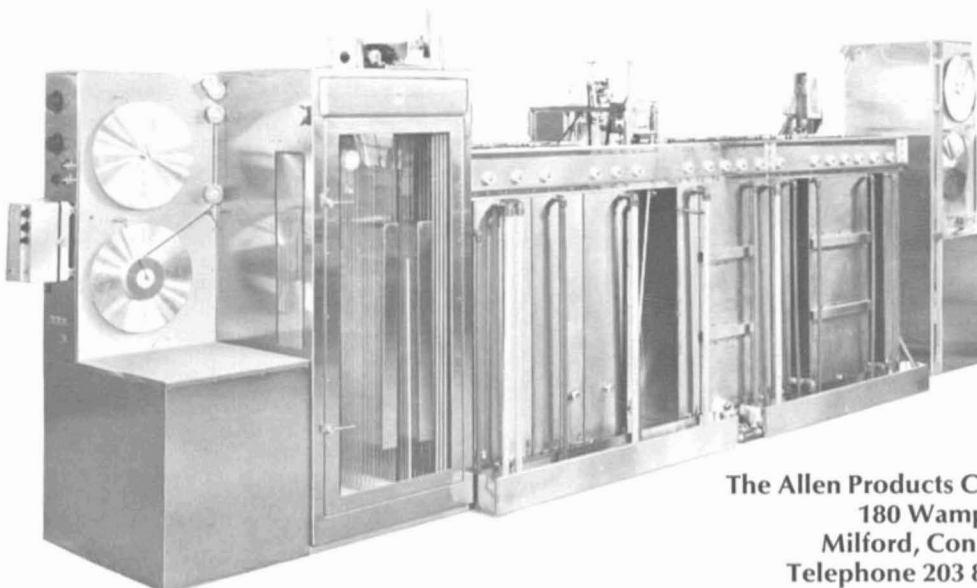
When you buy an AP Color Processor, you're getting a support team of technicians who will give a hand with installation check-out and operator training. A support team of repairmen to help you with maintenance and parts replacement.

A support team of engineers who'll listen to your ideas on operation and design and then custom-build processors or re-design existing processors to your exact specifications. They will also help you to plan your lab. Whatever your needs, they stand ready.

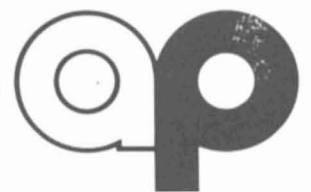
Service aside, we offer you advanced technology engineered into each of our 19 different models. All constructed to give years of dependable operation.

And as for our photographic processing quality — it's tops.

To find out more about how we back our machines, send for literature or talk with an Allen Products' Rep.



The Allen Products Company  
180 Wampus Lane  
Milford, Conn. 06460  
Telephone 203 874 2563



strated the Asaca-ACC 5000 portable broadcast color television camera. The camera has a compact and lightweight video system capable of an NTSC output of direct broadcast quality. The camera uses three new Calnicon tubes with bias light. With the backpack and camera control unit, the weight is less than 25 lb. Lively question-and-answer periods followed both presentations. — Burton Stone, Precision Film Laboratory, 630 Ninth Ave., New York, NY 10009.

ROCHESTER, 16 Jan. — The meeting, the first in 1974, was a joint meeting of the Rochester Section, the Society of Photographic Science and Engineering and the Optical Society. In spite of inclement weather — ice, sleet and rain — more than 250 members and guests met in the Gannett-Booth Auditorium at the Rochester Institute of Technology to hear William C. Mayes, of the George C. Marshall Space Flight Center, Huntsville, Ala., give a presentation on "Skylab—An Adventure in Science and Photography." The overview included the expectations and possible benefits in years to come from the Skylab program. The presentation included slides to illustrate the various interior "floors" of the Skylab vehicle. More than half of the experiments include photography in some form. More than 125,000 exposures were made in the area of solar astronomy alone; 16mm, 35mm and 70mm cameras of many types were used. The meeting was preceded by a dinner at Inn-on-the-Campus on

the RIT campus. — Reid H. Ray (Secretary-Treasurer), Rochester Institute of Technology, College of Graphic Arts and Photography, One Lomb Memorial Dr., Rochester, NY 14623.

ATLANTA, 21 Jan. — The meeting was held at the Kodak Marketing and Education Center with an attendance of 26 members and guests. The speakers were Eugene R. Myler and Lynda J. Thomas, both of Eastman Kodak Co., who discussed new trends and new products in super-8 communications. In addition to the talk, Mr. Myler and Ms. Thomas demonstrated the new super-8 automated processor and the new 24 frames/s single system super-8 camera, both Eastman Kodak products. The meeting was preceded by a dinner at the Royal Coach. — William J. Reddick (Secretary-Treasurer), Eastman Kodak Co., 1775 Commerce Dr., N.W., Atlanta, GA 30318.

CHICAGO, 22 Jan. — The meeting was held in the Marriott Hotel with an attendance of 75 members and guests. The speaker was Mark Forgette of Computer Image Corp. He explained the making of computer images and how they are recorded in real time on film or videotape. His talk was illustrated with 16mm films. A lively question-and-answer session followed the presentation. — Byron L. Friend (Secretary-Treasurer), Telecine Film Studios, Inc., 100 S. Northwest Highway, Park Ridge, IL 60068.

ROCHESTER INSTITUTE OF TECHNOLOGY STUDENT SECTION, 22 Jan. — The meeting was held in the motion-picture studio of the Filmmaking Dept. of RIT (Rochester, N.Y.) with an attendance of some 50 students and faculty members. The speaker was Hugh McNair of Eastman Kodak Co. who discussed Kodak's new Ektasound (super-8) camera. He demonstrated both the original model of the camera as well as the new professional model. The meeting was covered by both cameras and videotaped by the students. — Reid H. Ray (Secretary-Treasurer), Rochester Institute of Technology, College of Graphic Arts and Photography, One Lomb Memorial Dr., Rochester, NY 14623.

OHIO, 30 Jan. — The meeting was held in the studios of Cleveland Recording Co. with an attendance of 45 members and guests. Guest speakers were Morley Kahn, Vice-President, and George Schowerer, Consultant, of Dolby Laboratories. Both men discussed and assisted in the demonstration of the Dolby "A" system and its use on motion-picture soundtracks. They showed how it could deliver a more uniform frequency response to the listener, as well as reduce noise. Some soundtracks with intercut Dolbyized and non-Dolbyized segments were played and improvements in frequency response and SNR in the Dolbyized segments were readily apparent. The less expensive Dolby "B" system was also explained and demonstrated with an "off-air" recording of FM stereo broadcasts. — David W. Kennett, Ohio Bell Telephone Co., 100 Erieview Plaza, Cleveland, OH 44114.


NEW YORK, 5 Feb. — The meeting was held at the United Engineering Center with an attendance of 65 members and guests. The speakers were Thorsten Cook, Senior Project Engineer, and K. Blair Benson, Director, Audio and Video Engineering, of Goldmark Communications, Inc. Mr. Cook presented a paper on "Automatic Tension Control for Slant-Track Cassette Players and Recorders." He explained that interchangeability of various slant-track tape recordings among different players is subject to time-base errors due to variations in tape tension resulting from differences in recording and variations in temperature and humidity. Such errors show up as horizontal skewing in the reproduced picture. A device, developed to maintain constant tension during recording and to regulate tension during playback, thus eliminating skew, was described by Mr. Cook.

Mr. Benson presented a paper on "Trans Scan—A Wide Screen Scanning System for Film-to-Tape Transfer." He explained that theatrical motion-picture features are television rating-getters, but that for television transmission the wide-screen formats require horizontal masking that follows picture information essential to the story. He pointed out that Trans Scan accomplishes this during real time transfer from film to tape controlled automatically from cues of editorial decisions previously recorded digitally on magnetic tape. — Burton Stone, Precision Film Laboratory, 630 Ninth Ave., New York, NY 10009.

# Dynamically balanced 100% fluid action

**Completely different  
new fluid head**

O'Connor Model 20 has an entirely new, ingenious fluid action that eliminates all static friction and gives perfect, smooth, fluid control. Dynamically, statically balanced in all positions even with longest telephoto lens. No springs. Both torque controls infinitely adjustable and repeatable with indicators. Timken bearings. Adjustable handle. Write: O'Connor Engineering Labs, Inc., 100 Kalmus Dr., Costa Mesa, Calif. 92627.



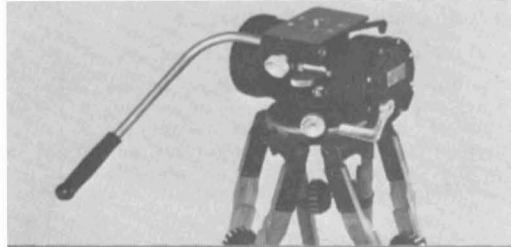
For  
cameras  
up to  
20 lbs.

**O'CONNOR**  
FLUID CAMERA HEADS

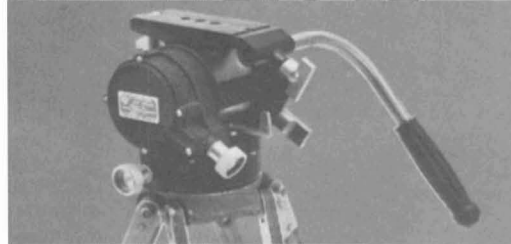
See us at SMPTE in L.A. in April

# If you want smoother footage, use our heads.

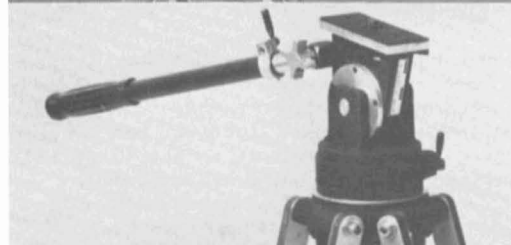
O'CONNOR MODEL 100-C.  
Capacity: 100 lbs. Weight: 16 lbs.  
360° Pan. Tilt: +60° to -60°.



O'CONNOR MODEL 50-B.  
Capacity: 50 lbs. Weight: 7 lbs.  
360° Pan. Tilt: +45° to -45°.  
Fully adjustable pan and tilt drag.  
Camera Quick-Release Plate.



NATIONAL CINE SUPER MINI.  
Capacity: 20 lbs. Weight: 4 1/2 lbs.  
360° Pan. Tilt: ±90° from center.  
Right or left hand operation.  
Positive pan and tilt locks.



RONFORD LOW-ANGLE TRIPOD.  
Weight: 51 lbs. 360° Pan.  
Height: Low Angle 7 1/2". Stub  
Legs 13 1/2". Telescopic Legs  
2 ft. 11". Additional attachments  
available for mounting on cars, etc.



RONFORD FLUID 15 HEAD.  
Capacity: 15 lbs. Weight: 21 lbs.  
360° Pan. Tilt: 90° Forward;  
70° Backward. Lightweight  
aluminum construction. Damping  
may be switched from light to firm.



Camera Mart has the steadiest heads in the business: National Cine . . . Ronford . . . O'Connor. Fluid heads that move smoothly and iron out the bumps, jerks and jolts.

Use them for every kind of camera and every kind of shooting. There are lightweight models and heavy duty models. Tripods that can take blistering heat or bitter cold. And if you prefer other makes or types, we have them, too.

Come to Camera Mart to buy or rent. And let us "head up" your next filming.

CAMERA MART  
456 West 55 Street  
New York, N. Y. 10019

Send me your catalog which includes complete details of your entire line of tripod equipment.

NAME .....

TITLE .....

FIRM .....

ADDRESS .....

CITY .....

STATE .....ZIP .....

## The more equipment you need, the more you need Camera Mart.

**Camera Mart**

456 West 55th Street, New York, N. Y. 10019  
(212) 757-6977

