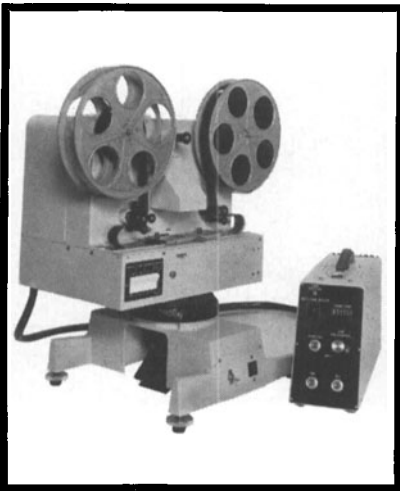


FLICKER FREE-FILM ANALYSIS



For 35mm RESEARCH FILM

The MODEL M35CF/S1 PROJECTOR provides an absolutely FLICKER-FREE motion picture presentation thru a projection speed range from 1 frame/sec. to 25 frames/sec. This allows an unsurpassed visual analysis of events recorded on 35mm film. There is none of the eye fatigue and picture degradation that occurs when conventional projectors are operated in the lower speed ranges.

Controls are provided for forward and reverse, single framing, and variable speed motion picture projection and remote control.

Phone or write for details

VANGUARD INSTRUMENT CORPORATION

Walt Whitman Rd., Melville, L.I., N.Y. 11746
(516) 249-3031

MANUFACTURERS OF
PHOTOGRAPHIC DATA REDUCTION
EQUIPMENT FOR OVER A DECADE

Sales Representation By:

INSTRUMENTATION MARKETING CORP.

820 S. Mariposa St., Burbank, Calif. 91506
(213) 849-6251



FLORIDA-CARIBBEAN, May 19—The meeting was held in the Playboy Club in Miami. Kermit Schafer of Kermit Schafer Productions spoke on Broadcasting Mistakes. This was a fun program. Nothing technical was discussed and Mr. Schafer's presentation consisted of showing a lot of humorous footage of famous people making bloopers. A good time was had by all. Forty-seven members and guests were present.—Oscar Barber, *Secretary-Treasurer*, (Cinetorial Inc.), 1998 N.E. 150 St., North Miami, FL 33161.

DALLAS/FORT WORTH, May 20—The meeting was held at the University of Texas in Dallas. It was a joint meeting of the Dallas/Fort Worth Section and the Information Film Producers of America, Inc. The subject of the meeting was TAGER — the Association for Graduate Education and Research — which is located in North Dallas. TAGER is a two-way, microwave-linked television network which links eight colleges and 11 industrial companies in the northeast Texas area. It allows the interchange of graduate and undergraduate courses between the colleges and also allows the participating industrial companies to make their courses available on their own premises to their employees. Donald Simons, Academic Coordinator of TAGER, described the system and exhibited a 16mm film he had produced entitled *TAGER-Electronic Residence*. He was assisted by George Krutilek, Technical Director of TAGER. Following the film and the demonstration and discussion, the group of some 27 members and guests toured the TAGER control facilities located in a building adjacent to the university. The interesting and educational presentation was concluded with an informal discussion period and refreshments.—Frank Reinking, *Secretary-Treasurer*, Eastman Kodak Co., Motion-Picture and Educational Markets Div., 6300 Cedar Springs Rd., Dallas, TX 75235.

HOUSTON, May 25—The meeting was held in the ACA Recording Studio with about 53 members and guests present. The speaker was Bill Holford of ACA Recording whose talk covered the "how" and "why" of good quality sound recording. A lively discussion followed with a number of questions about equipments and techniques. The discussion ranged from sound for 16mm motion pictures to 16-track audio recording.—Robert G. Harper, *Secretary-Treasurer*, (A.I.E. Studios), 2806 Westerland, Houston, TX 77042.

MONTREAL, May 25—The meeting was held at the National Film Board Theatre in Ottawa, Ont. The speaker was Leslie

Holmes of Canadian Broadcasting Corp. who spoke on "Tone Reproduction: the Key to Film Quality." The meeting was opened by the showing of an interesting film called *Laser Light*. Mr. Holmes then presented the paper, which he had previously presented at the Society's 109th Conference in Los Angeles. The presentation at the meeting was the first in Canada and the paper was well received by members and guests. It was illustrated by slides and film.

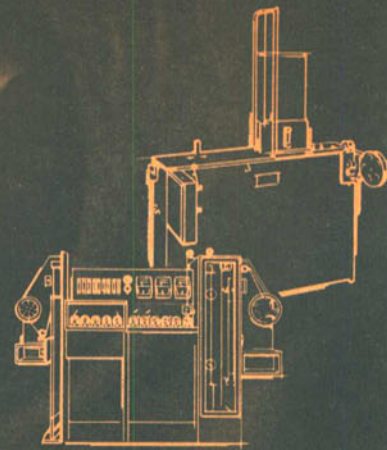
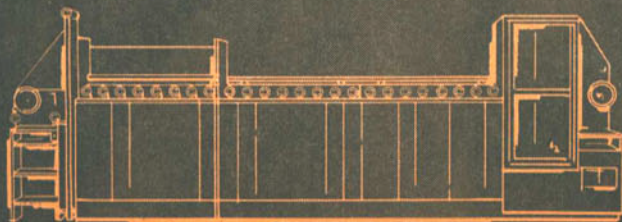
Members who live in Montreal traveled the highway for the evening and returned to Montreal for their work routine for the following morning. Refreshments for the evening were supplied by Alex L. Clark Co.'s Montreal Offices. Co-Chairmen of the meeting were A. W. Ross of Ottawa and R. W. Payne of Montreal.—A. D. Russell, *Secretary-Treasurer*, Alex L. Clark Co., 1070 Bleury St., Suite 805, Montreal, P.Q.

CHICAGO, May 27—The meeting was held at the Fred A. Niles Communication Center attended by some 85 members and guests. Speakers were Fred Niles, William E. Harder and James Miller, all of Fred A. Niles Communication Centers, Inc. Mr. Niles spoke on "Film Production Management." Mr. Harder spoke on "Multi-Media Presentations" and illustrated his talk by showing some uses of multiple slide projectors, mirrors and colored lights. Mr. Miller spoke on "Motion-Picture Production Techniques as Applied to 16mm" and discussed some of the advantages in the use of 16mm film for a TV spot commercial. The evening was concluded with a tour of the entire facility. Prior to the meeting about 25 members and guests attended a Board of Managers dinner at Barney's Market Club in Chicago.—Mathias J. Herman, *Secretary-Treasurer*, (Geo. W. Colburn Labs), 9104 Birch Ave., Morton Grove, IL 60053.

NASHVILLE, May 27—The meeting was held in the Albert Pick Motel. Some 35 members and guests attended a new type of meeting for the Nashville Section. Discussion groups consisting of members, guests and invited experts participated in an informal exchange of ideas. Some of the many topics discussed included Super 8, Super 16, New Film Cameras, New Audio Equipment, VHF Transmitter Remote Control, Small Color Cameras, New Videotape Editing Systems, Helical Scan Recorders for Broadcast Use and several other topics. Several manufacturers displayed equipments and answered questions concerning techniques and operation. A brief report on the Society's 109th Conference was presented. Member participation in the discussion was excellent and it was considered

NEW **T**REISE PROCESSORS FEATURE

SBR drive!

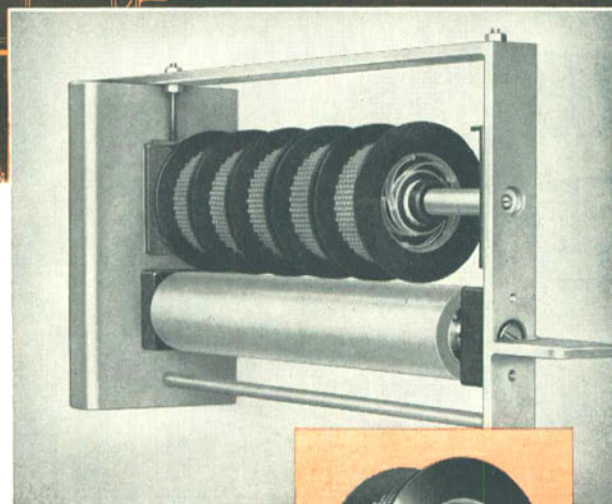


Now you can change film sizes ...and still maintain uniform tension and constant speed!

Any laboratory that changes film sizes frequently or plans to process multi-perforated film will find the new Treise Processors a dream to operate. They feature a revolutionary new type of demand-drive that assures uniform controllable tension and constant film speed throughout the processor.

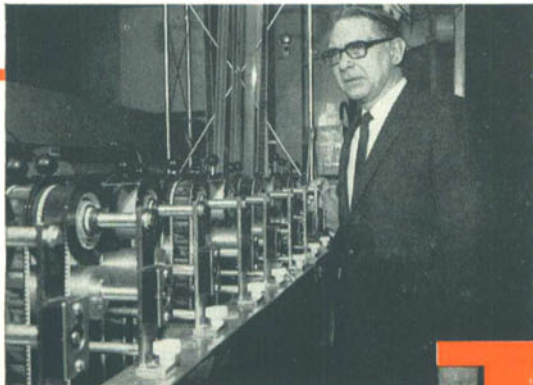
The heart of the Treise SBR-Drive is a unique new film roller with a flexible heavy-duty 5-leaf spring insert. The spring bearing rollers (SBR) are mounted on a stationary shaft at the top of each rack and are free to rotate. An overdrive shaft is mounted directly underneath. As film tension increases (or decreases), the SBR contact (or pull away from) the drive shaft. The result is individual strand control! Due to the unusual construction of the Treise spring insert, the distance between the rollers and the drive shaft is so small that the slightest change in film tension creates a response and thus maintains a remarkable degree of equilibrium.

All SBR are equipped with "soft touch tires" that firmly grip the film and smoothly move it along without the slightest scratch or abrasion. Treise processors operate smoother, too, because they feature heavy-duty gear box drive and torque motor take-ups.



When using SBR-Drive, the elevator is kept at a fixed position less than an inch from the bottom of the tank, thus permitting full utilization of chemical solutions. SBR-Drive comes either in individual lift-out racks or as part of a complete unit lifted out by hoist, for quick easy servicing. SBR-Drive includes an automatic braking system to stop the processor, in the event a film breaks due to some error in handling.

The new Treise SBR-Drive Processors feature stainless steel tanks, with hastelloy or titanium components in ferri bleach areas. Models are available to accommodate any film size from 8mm to 105mm, to handle any kind of process, and to operate at speeds from 30 fpm to 250 fpm.



Bill Smith, Allied Film President, checks over his SBR-Drive.

ALLIED FILM LAB modified a 10-year-old processor with SBR-Drive . . . and now it runs like new!

Join the many leaders, like Allied Film Lab, Foto-Kem, News Film Laboratories, University Microfilm, etc., who are already benefiting from this revolutionary "step forward" in processor design. Write today for complete details about our modification program. Modernize your processor with Treise SBR-Drive!

Write for full information about SBR-Drive!

REISE ENGINEERING, INC.

1941 FIRST STREET • SAN FERNANDO, CALIF. 91340 • (213) 365-3124



ATLANTIC

have mastered XENON

FOR THEATRES, EDUCATION, INDUSTRY,
MOTION PICTURE AND T.V. STUDIOS



We Design and Produce:

Projection and television systems for:
• Universities • High Schools and
Technical Schools • Art Centres •
Museums • Industry



Professional 70mm, 35, and 16, projection
equipment (representing world
famous Zeiss Ikon Co.) for:
• Theatres • Auditoriums • Drive-Ins



Automatic Cinemas



Rear and front projection equipment
for television and film studios.



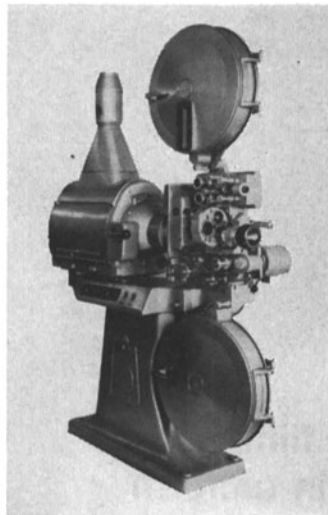
Audio-Visual systems and equipment
for government, industry and educa-
tion.



Boosted light sources for industry and
defense photography.
(Distributor of OSRAM XENON LAMPS)



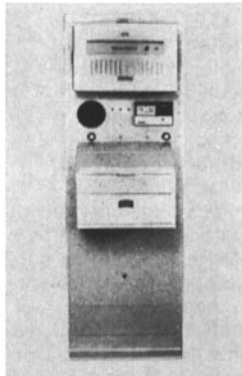
Complete cinematographic design and
production facilities



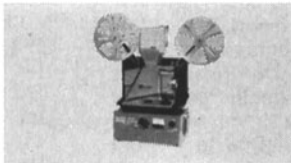
Z.I. FAVORIT 35/70
ERNEMANN X
ERNEMANN IX DOUBLE BAND
ERNEMANN IX
ERNEMANN VIII
FAVORIT 16B



ATLANTIC EKX-40
XENON SLIDE PROJECTOR



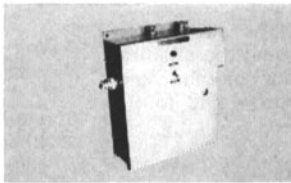
ATLANTIC AUTOMA-
TION RACK WITH
BUILT-IN CONTROL,
AMPLIFIER AND
PROGRAMMER



ATLANTIC GIX-40
XENON GRAFLEX INSTALOADER



ATLANTIC UNIVERSAL
LECTERN WITH BUILT-IN
CONTROL PANEL



ATLANTIC INTERFACE BOX
FOR MULTI-MEDIA PRESEN-
TATION

ATLANTIC FILMS LTD.
2071 University St., Montreal 110(514) 844-2535
ATLANTIC FILMS AND ELECTRONICS LTD.
22 Prescott St., St. John's, Nfld.(709) 722-1223
ATLANTIC AUDIO-VISUAL COMPANY LTD.
111 Queen St. East, Toronto(416) 363-9127
CENTURY CINE-ELECTRONICS SYSTEMS LTD.
111 Queen St. East, Toronto(416) 366-2678
ATLANTIC AUDIO-VISUAL CORPORATION
630 - 9th Ave., 14th Floor, New York, N.Y. 10036. . .(212) 581-4004

a very informative session by those who attended.—John F. Swanson, *Secretary-Treasurer*, (WLAC-TV), 2601 Lincoya Dr., Nashville, TN 37214.

WASHINGTON, D.C., June 5—The meeting consisted of a social event held jointly by the SMPTE Washington D.C. Section and the SPSE at the Officers Club in the Washington Navy Yard. About 130 members and their wives and guests attended for cocktails and a buffet, followed by a "Las Vegas" night of entertainment and games. In spite of the inclement weather the evening was very successful and provided an opportunity for members of both organizations and their wives to become better acquainted.—Arthur L. Foster, *Secretary-Treasurer*, (U.S. Dept. of Agriculture), 7115 24th Ave. Hyattsville, MD 20783.

SAN FRANCISCO, June 8—The meeting was held at the Marine Exchange. Following a dinner at Exposition Fish Grotto on Fisherman's Wharf, members of the Coast Guard and Marine Exchange demonstrated and explained the radar facility at Pier 45 used to track vessel movement on San Francisco Bay. At present the facility acts only in an advisory capacity but in the future it may control all bay ship traffic by computer. The radar installation predicted and recorded the recent oil tanker collision near Golden Gate Bridge.—J. A. Semmel-mayer, *Secretary-Treasurer*, Eastman Kodak Co., 3250 Van Ness Ave., San Francisco, CA 94119.

ATLANTA, June 10—The meeting was held at WSB-TV Studios in Atlanta. The speaker was Lucien Feldt, of Rohde & Schwartz, who described Rohde & Schwarz equipment used for running proof and performance tests on color TV transmitters for complying with FCC regulations. Equipments demonstrated by Mr. Feldt included a TV demodulator, the first all-solid-state demodulator available in the United States. It monitors and measures picture and sound quality of TV transmitters. A TV modulator which simulates a commercial TV broadcast for checking the TV demodulator was shown as well as the group (envelope) delay test assembly and the Videoskop III Type SWOF and Sideband Adaptor. Mr. Feldt also displayed the firm's video test signal generator and differential phase/gain meter. A number of questions were answered from engineers in the audience who represented the UHF and VHF stations in Atlanta and the surrounding area.—Gerald M. Crowder, *Secretary-Treasurer*, Provence Productions, Inc., 476 Armour Cir., N.E., Atlanta, GA 30324.

DALLAS/FORT WORTH, June 10—The meeting was held at Stage North in Dallas. Principal speakers were Bruce Jamieson, of Jamieson Film Co., and John Paradeses, of Stage North. The meeting began with a short motion picture, *Basic Lighting for Motion Picture Production*, followed by a talk by Mr. Jamieson in which he described a system of encoded identification for television commercials. Following his talk, the film, *1970 CLIO Awards*, showing



45,000 ft, 600 mph, we take it all for granted

You buy your ticket, step aboard and sometime during the flight, whether you are hungry or not, an air hostess places a plastic tray full of food in front of you. This is everyday life in the seventies, the speed and convenience age.

Yet, without your knowing it, Agfa-Gevaert Industrial X-Ray Film is being used

daily to detect the slightest structural stress in aircraft all over the world . . .

Agfa-Gevaert are constantly searching for the ideal. Take New Gevacolor Print Film – Type 9.85. Here is a color positive stock that's standardized for universal processing, the same the world over.

This means that no matter where you are in the world, or whatever color processing unit you use, it will take Type 9.85.

Moreover, when you're buying Agfa-Gevaert film, you're sure of an outstanding after-sales service.. Have a problem? Ask our representatives.

GEVAERT

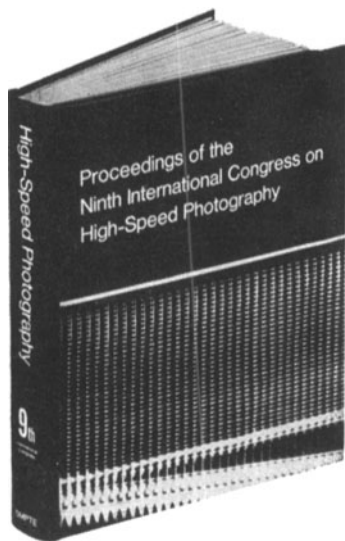
AGFA-GEVAERT

For detailed information :
GEVAERT-AGFA N.V., B-2510 MORTSEL (BELGIUM)

In the U.S.A. : **AGFA-GEVAERT Inc., 275 North Street, Teterboro, New-Jersey**

In Canada : **Photo Importing Agencies Ltd., 29 Gurney Crescent, Toronto, Ontario**

New advances in high-speed photography



The most recent advances in the technology of photo-instrumentation have been made available to the scientific community in the *Proceedings of the Ninth International Congress on High-Speed Photography*.

The volume includes the 107 papers presented at the Congress in Denver, Colorado on 2-7 August 1970, together with all pertinent discussion of the papers during the technical sessions. Subject areas covered in the volume are

holography and image-dissection cameras, lasers, rotating mirrors and streak cameras, light sources and x-rays, and high-speed photographic applications.

In addition, a Current Bibliography on High-Speed Photography, prepared by the Research staff of Eastman Kodak Company especially for the *Proceedings*, will prove valuable as a research tool. A report on the Congress, a list of delegates, and an index of authors and discussers complete the volume.

The book comprises 605 pages, 8½ x 11 inches, in hardbound edition. The price is \$40.00 each, with discounts to SMPTE members, libraries, and booksellers: 1 to 4 copies 20%; 5 to 49 copies 25%; 50 or more 33⅓%.

Society of Motion Picture and Television Engineers
9 EAST 41 ST., N.Y., N.Y. 10017

award-winning TV commercials, was shown. Mr. Paradeses then described Stage North, which is a new motion-picture production facility for independent producers. The meeting was concluded with refreshments and an informal tour of Stage North.—Frank Reinking, *Secretary-Treasurer*, Eastman Kodak Co., Motion-Picture and Educational Markets Div., 6300 Cedar Springs Rd., Dallas, TX 75235.

OHIO, June 10—The meeting was held at Bell's Visual Communications Center. Speakers were Tom Spence and Dave Kennett, both of Ohio Bell. Tom Spence explained the company's extensive statewide, in-house training program which incorporates the use of color videotapes and monitors as well as film. Dave Kennett then led the group of 32 persons on a tour of the studio facilities. Many questions were answered during the demonstrations in the studios. Prior to the meeting, board members and officers had attended a dinner at the Leather Bottle.—Byrl L. Sims, *Secretary-Treasurer*, Ohio State University, Dept. of Photography, 156 W. 19th Ave., Columbus, OH 43210.

HOLLYWOOD, June 15—The meeting was held at Ambassador College in Pasadena with an attendance of 135 members and guests. Principal speakers were Norman A. Smith and Larry Faast, both of Ambassador College where Mr. Smith is Vice-President of Broadcasting Production and Mr. Faast is in charge of the Computer Section. The meeting was opened by a videotape, *This Is Ambassador College*, which was shown on the college's closed-circuit system. Mr. Smith discussed the problem of producers of documentary films in finding scenes in a film library. He explained how Ambassador College had devised an easy, simple, straightforward method of identifying scenes in their film vaults and then putting this identification in a computer. Mr. Faast explained how the data are transferred and how the computer provides a quick and easy access to the film librarian. Mr. Smith and Mr. Faast joined with their associates, Robert Grey, Art Michaul, Lee Pettijohn and Garry Reid in giving a detailed explanation of the entire operation. Before the meeting, 45 members and the speakers and their associates attended a dinner at the Pepper Mill Steak House.—William J. Wade, *Secretary-Treasurer*, (Universal City Studios), 12946 Valleyheart Dr., Studio City, CA 91604.

FLORIDA-CARIBBEAN, June 16—The meeting was held at the Jamaica Inn at Key Biscayne, Fla. The meeting room was separate from the dining room and was set up in advance. It was probably the best arrangement we have had. Everyone at dinner attended the meeting and 51 members and guests were present. Frank Eberhardt of Eastman Kodak talked on Super-8 Film and a long discussion followed.—Oscar Barber, *Secretary-Treasurer*, (Cinetorial Inc.), 1998 N.E. 150 St., North Miami, FL 33161.

NEW YORK, June 16—The meeting was held at the United Engineering Center with an attendance of 150 members and guests. Principal speakers were Philip

Lewis, of Instructional Dynamics, Inc., and Sheldon Nemeyer, of National Broadcasting Co. Dr. Lewis's subject was "The Use of Telestrator in Broadcast and CCTV." The talk was illustrated by slides and a short 16mm motion picture. Mr. Nemeyer spoke on "Network Utilization of Super-8 Newsfilm." His talk was illustrated by slides and a series of super-8 films showing the effectiveness of the equipment.—Donald R. Collins, *Secretary-Treasurer*, (Tele-Cine, Inc.), 294 E. Shore Dr., Massapequa, L.I., NY 11758.

DETROIT, June 17—The meeting was held at the University of Michigan in Ann Arbor. Richard L. Phillips, Associate Professor of Aerospace Engineering, spoke on the subject of "Computer Animated Films." His presentation was based on the fact that many mathematical and physical phenomena cannot easily be demonstrated by conventional visual media, e.g., slides and graphs. With the aid of a computer, the most complicated of problems can be solved and their behavior "animated" with the aid of graphical output devices. One such method involves displaying computer-produced results on a graphics terminal and photographing the screen with an animation camera. The resulting film, when shown, can demonstrate such things as the formation of the Grand Canyon, the launching of a satellite, and the propagation of seismic disturbances in the earth's crust. Techniques and cost of computer animation were discussed and several films were shown demonstrating this novel display method.—R. L. Renaud, *Secretary-Treasurer*, Browne Renaud Associates, Inc., 2820 W. Maple Rd., Troy, MI 48084.

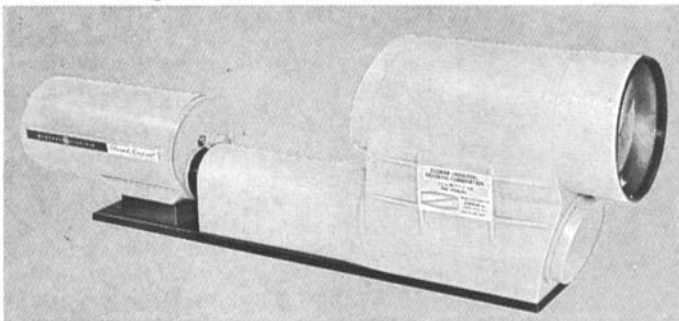
CHICAGO, June 29—The meeting was held at the University of Illinois Medical Center. The speaker was Robert Davis, the Center's Director of Photography, who spoke on Educational Aspects of Medical Photography. About 25 members and guests attended. Mr. Davis described the different kinds of photography that his department is required to do. He illustrated his talk with motion pictures and slides. He explained that each member of his staff is required to be a specialist in certain types of photography and must be able to do many other types as well. The meeting was concluded by a tour of the photographic facilities at the Medical Center, one of the largest in the country. The Center also has a newly installed, up to date closed-circuit TV studio. Preceding the meeting about 15 members and guests attended a dinner at the Royal Hearth Restaurant in the Ramada Inn.—Mathias J. Herman, *Secretary-Treasurer* (Geo. W. Colburn Labs), 9104 Birch Ave., Morton Grove, IL 60053.

HOUSTON, June 30—The meeting was held at KHTV-TV in Houston. The speaker was Jack Tudor, Chief Engineer for KHTV-TV. His subject was The Slow Motion Videotape Recording Machine. In his talk he covered the development of the videotape recording system from its beginning through the development of the slow-motion videotape recording. About 39 members and guests attended the meeting.—Robert G. Harper, (A.I.E. Studios), 2806 Westerland, Houston, TX 77042.

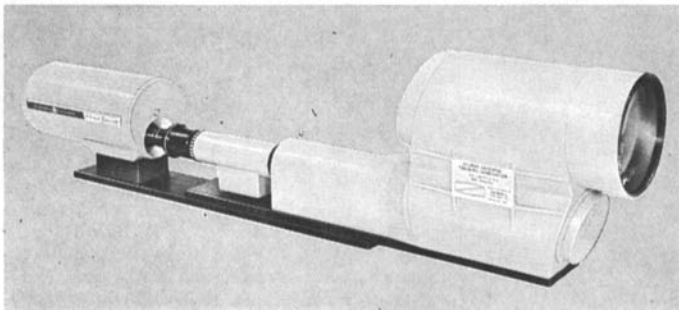
the zoomar universal tracking combination

REMOTE CONTROL/MODEL UTVR

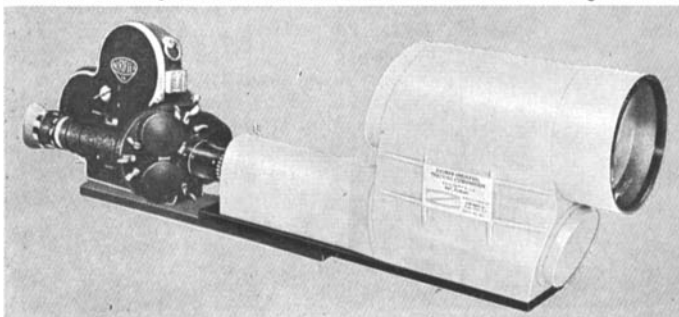
Universal Tracking Combination with CC TV-Camera



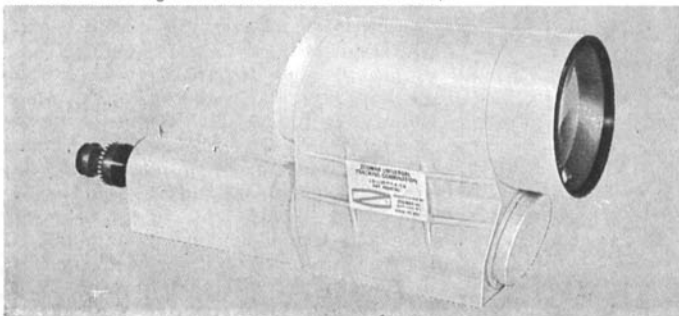
Universal Tracking Combination with CC TV-Camera and Image Intensifier



Universal Tracking Combination with 16mm Movie Camera and Image Inverter



Universal Tracking Combination as Zoom Telescope



The versatility of the "UTVR" represents a radically new approach to the design of optical tracking devices.

FEATURES:

- 10:1 zoom range
- Versatility . . .
 - a) Can be fitted with an eye piece for use as a zoom telescope.
 - b) Can be used with vidicon TV cameras.
 - c) Can be converted to a low light level unit with the addition of the Zoomar Night Vision Scope.
 - d) Can be fitted to Motion Picture Cameras (with image inverter).
 - e) 1.5X, 2X, 3X, 4X range extenders available.
- Compact light weight high resolution
- Remote control of zoom, iris and focus.
- Zoomar attenuator can be installed to eliminate need for vidicon tube protection.

SPECIFICATIONS:

Speed: f/5.6
 Zoom Range: 3.5 to 35 inches
 Range Extenders: 1.5X, 2X, 3X, 4X
 Dimensions: 30" x 7.5" x 15" approx.
 Weight: 30 lb. approx.
 Resolution: 50 li/mm
 Price of basic unit with "C" mount: \$8,600.

(Battery Control Box included).

Available Accessories: Eyepiece for telescope, Night Vision Scope for LLLTV, Range extenders, Image inverter for MP cameras, Zoomar attenuator, Heavy duty carrying & storage case: Prices on request.

For more information, write or call:

ZOOMAR, INC.

55 Sea Cliff Ave., Glen Cove, N.Y. 11542

516/676 - 1904, 1901, 1990

IN CALIFORNIA:

6725 Sunset Blvd., Hollywood, California 90028

213/465 - 2789