

founded in 1946. He joined the company on a full-time basis in 1960. He is presently responsible for all manufacturing, engineering and production operations of the company. The firm holds the basic patent on the Rotating Disc Cathode technique for electrolytic silver recovery.

Mr. Fisher joined the company in 1969 as Assistant Sales Manager.

**Edwin S. Raymond** has been appointed Director of Engineering Services for CBS Television Stations Division. He succeeds Daniel R. Wells who resigned to join the Public Broadcast Service network in Washington, DC. Mr. Raymond will advise and assist CBS-owned television stations in engineering and technical activities. He joined CBS Television Network in 1963 and previously was associated with RCA Corp. as a design engineer.

**Robert A. M. Coppentrath** is the new President of Agfa-Gevaert, Inc., Teterboro, NJ 07608, succeeding Rene Aerts who retired. Mr. Coppentrath joined Agfa-Gevaert in August 1969. He was formerly with Photo Importing Agencies Ltd., of which he was founder, president and general manager, a Canadian firm which is the agency for the distribution of Agfa-Gevaert products in Canada. He is a native of Antwerp, Belgium. He presently holds the title of Foreign Trade Counsellor for Belgium and is a recipient of several honorary decorations bestowed upon him by Baudouin I, King of Belgium.

**Charles Buzzard** has joined Ampex Corp. as a sales engineer for the Video Products Div. in the Midwest Region. He will be stationed in St. Louis, Mo., and will be responsible for sales of all Ampex video products to commercial, educational and military broadcast installations in Missouri, Kansas, Nebraska and part of Wisconsin. Mr. Buzzard was formerly Chief Engineer for WSNS-TV.

**Sims Howell** has joined Alderman Studios, High Point, N.C., as Manager of Operations Research and Engineering, following his retirement from the U.S. Navy (July 1) with the rank of Lieutenant Commander. Lt. Cmdr. Howell completed 24 years of service in Navy photographic assignments including five tours of duty in the Motion Picture Dept. at the Naval Photographic Center. He also served on the Navy's first guided missile ship, on the staff of the Commander of the U.S. Sixth Fleet and as Officer-in-Charge of the Fleet Air Photographic Laboratory in Atsugi, Japan. His most recent assignment prior to his retirement was that of Navy Representative in the Department of Defense Office of Audio Visual Activities.

**Marvin I. Mindell** has been appointed Vice-President, Engineering, of the Graflex Div. of The Singer Co., Rochester, N.Y. He was formerly Chief Engineer for Viewlex, Inc., in Holbrook, N.Y. In his new

post he will be responsible for engineering programs on all Graflex audio-visual and photographic products for industrial, educational and government markets.

**James Noble**, Vice-President, Engineering, Altec Lansing, 1515 S. Manchester Ave., Anaheim, CA 92803, has been made a Fellow of the Audio Engineering Soc. "for his contribution as a designer and director of engineering for a broad line of audio electronic equipment." Mr. Noble joined Altec Lansing in 1941. During World War II he helped make electronic components for submarine detection equipment and in 1944 he joined the U.S. Navy.

**Richard A. Walker** has been appointed Director of Engineering for Photo Research Corp., 3000 N. Hollywood Way, Burbank, CA 91502. He was formerly with Eastman Kodak Research Laboratories and he has also been associated with Hughes Aircraft Research Laboratories and Houston Fearless Corp. Photo Research Corp. manufactures photometric and photographic equipments.

**Maxwell A. Kerr** has been appointed Manager of Educational Technology, Distribution and Data Processing Center, Allied Educational Council, Galien, MI 49113. He will also continue his ADAMAX Audio-Visual activities which had been based at Daytona Beach, Fla.



**CHICAGO, Feb. 24**—The February section meeting was prefaced by a delicious roast beef dinner at the Harlequin Room at the Knickerbocker Hotel held in honor of our guest speaker. The members and guests attending the dinner joined another group in the Penthouse East for a very informative and enjoyable evening. Prior to the main program we were entertained by the showing of two animated films through the courtesy of the International Film Bureau. Our speaker for the evening was William Hedden, Vice President of Calvin Communications, Inc., Kansas City, MO. He presented his ever popular paper entitled "8mm Printing Systems." This paper covered the early development work in 8mm printing through the latest designs in super 8 printing equipment used in Japan and at various labs in the U.S. Due to the length of the paper it was presented in two parts with a short intermission at the half-way point. The meeting was adjourned at 10:00 PM and 48 members and guests departed with a wealth of knowledge on 8mm printing.—Charles Zichterman, *Secretary-Treasurer*.

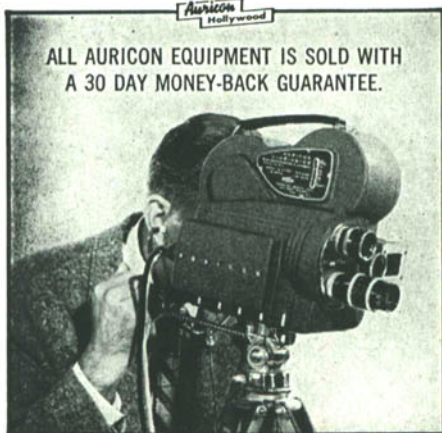
**HOLLYWOOD, Mar. 17**—This program at the Jet Propulsion Lab., California

Institute of Technology, Pasadena, was extremely well received by those who attended. The large number (295) who attended attests to the glamor and high interest in space-oriented programs. The program was divided into two segments. One segment included an extensive tour of the Space Flight Operations Facility (SFOF) and the Image Processing Laboratory. On this tour in addition to seeing the vast amount and variety of equipment used to direct the space flights, we were also shown how the in-flight data was received and flight correction data transmitted. We also were given detailed explanations of the equipment used in tracking all space flights. Everyone agreed that the facilities were overwhelming and exciting. The second portion of the program was equally as interesting as the tour. Robert Steinbacher, JPL, described and illustrated the actual equipment used to accomplish the fantastic achievements of the Ranger, Surveyor and Mariner projects. He covered in detail the evolution of the equipment used in these flights. He also described the objectives of the Mariner 71. Tom Rindfleisch, JPL, dealt with the problems of producing pictures that are sent from space. He described in detail

the techniques of image enhancement and illustrated how these techniques are being used on an experimental basis for diagnostic work in the field of bio medicine. Messrs. Steinbacher and Rindfleisch were complimented for presenting two highly technical topics in a manner which made them both informative and interesting to the layman.—Anthony D. Bruno, *Secretary-Treasurer*.

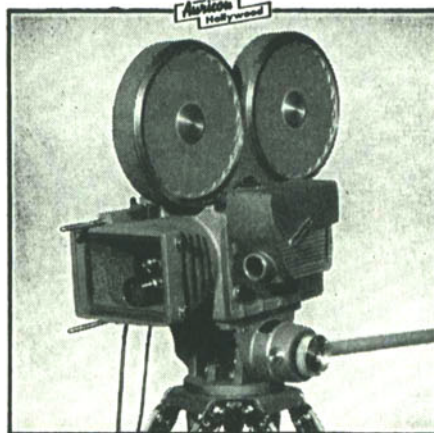
**HOLLYWOOD, Apr. 21**—Howard Anderson of the Howard Anderson Optical Co., presented the subject of Reflex Front Projection for Composite Photography. In his presentation he strongly indicated that reflex front projection has many advantages over both the rear-projection and blue-screen techniques. He cited savings in time and money, practically unlimited screen size, and improved quality as proven advantages for this system, which has been used successfully in many productions by his company. Excerpts from "My World and Welcome To It" were shown to illustrate some technical points covered in his talk. He pointed out that the system has a very high potential, with new and innovative uses being found constantly. The 210 people in attendance presented Mr. Anderson with an abundance of questions which he answered to everyone's satisfaction. The consensus was that he had successfully covered a very important and interesting subject.—Anthony D. Bruno, *Secretary-Treasurer*.

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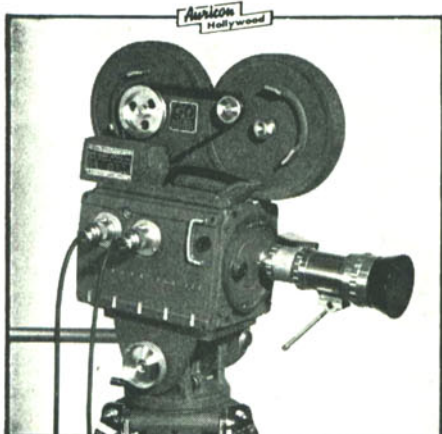
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 ★ 100 ft. film capacity for 2¾ minutes of recording; 6-Volt DC Converter or 115-Volt AC operation. ★ \$1180.00 (and up).



**"AURICON PRO-600" 16mm Optical Sound-On-Film Camera.**  
 ★ 600 ft. film capacity for 16½ minutes of recording. ★ \$1820.00 (and up) with 30 day money-back guarantee.



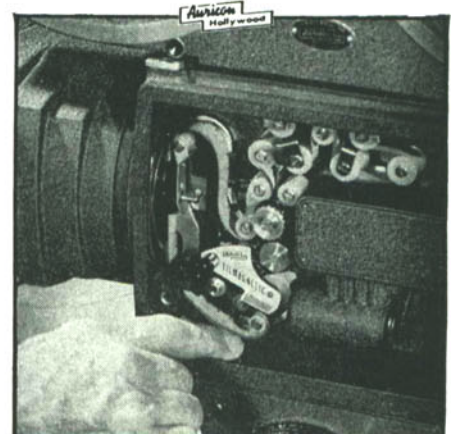
**"SUPER 1200" 16 mm Optical Sound-On-Film Camera.**  
 ★ 1200 ft. film capacity for 33 minutes of recording. ★ \$6425.00 (and up) complete for "High-Fidelity" Talking Pictures.



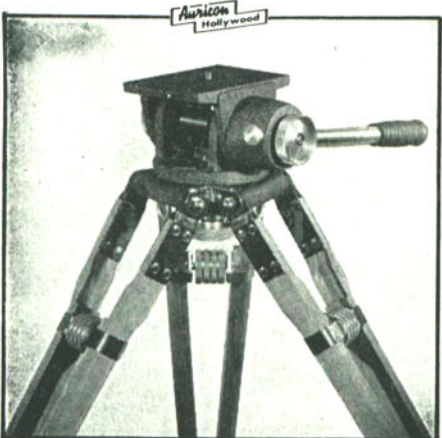
**"PRO-600 SPECIAL" 16mm Light-Weight Camera.**  
 ★ 400 ft. film capacity for 11 minutes of recording. ★ \$1620.00 (and up).



**PORTABLE POWER SUPPLY UNIT — Model PS-21...** Silent in operation, furnishes 115-Volt AC power to drive "Single System" or "Double System" Auricon Equipment from 12 Volt Storage Battery, for remote "location" filming. ★ \$337.00



**FILMAGNETIC** — Finger points to Magnetic pre-stripe on unexposed film for recording lip-synchronized magnetic sound with your picture. Can be used with all Auricon Cameras. ★ \$1325.00 (and up).



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If it's profit you're after in the production of 16 mm Sound-On Film Talking Pictures, Auricon Cameras provide ideal working tools for shooting profitable Television Newsreels, film commercials, inserts, and local candid-camera programming. Now you can get Lip-Synchronized Optical or Magnetic Sound WITH your picture using Auricon 16 mm Sound-On-Film Cameras. Precision designed and built to "take it."

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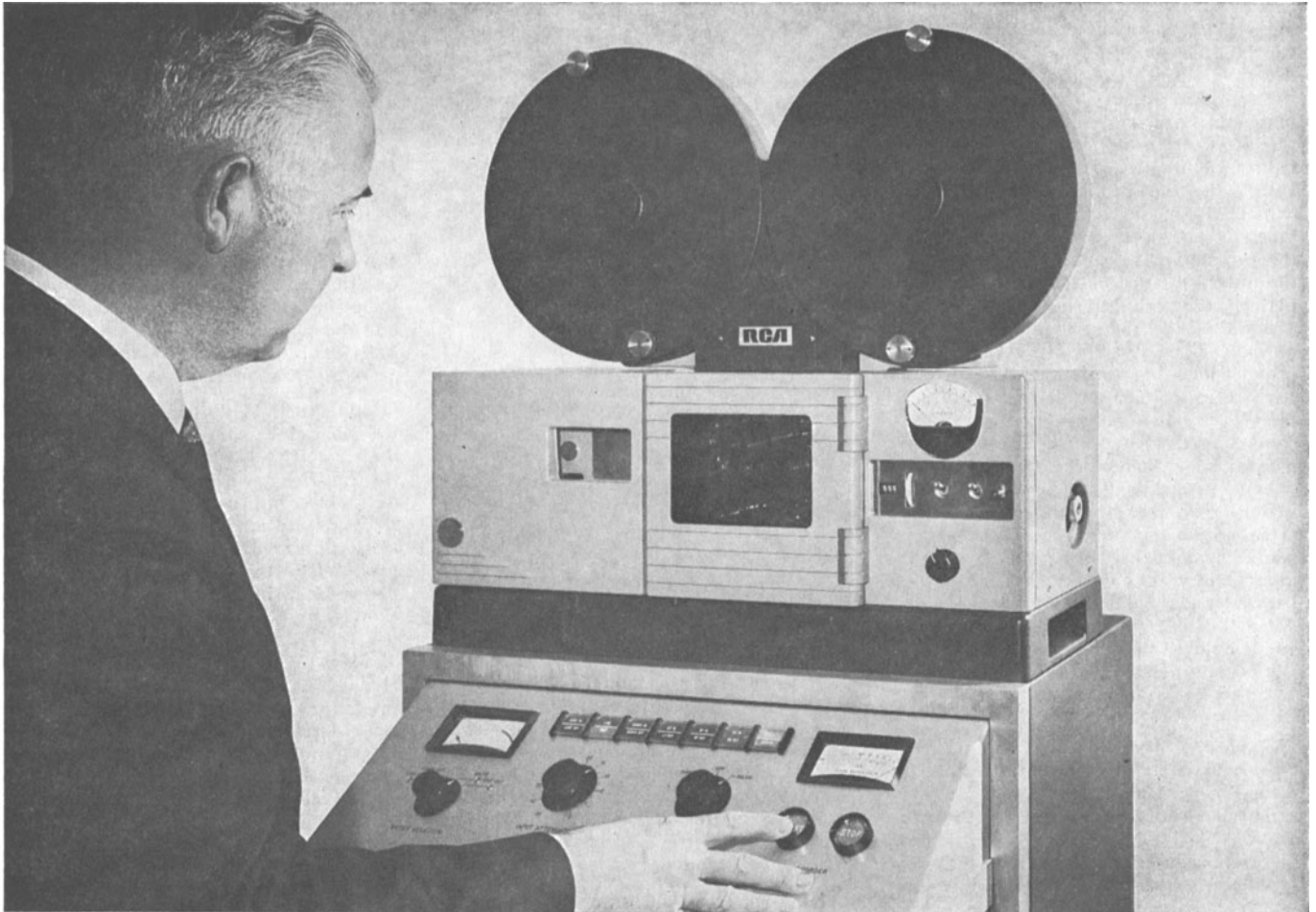
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It's completely solid-state, of course. Modular and human-engineered, too. Everything's right where it ought to be to minimize operator fatigue and error, while modules are readily replaceable. And, the PM-80A is available in 35, 16 and Super 8 mm.

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CAPE KENNEDY, Mar. 21—A pre-meeting cocktail hour was hosted by Videx Co. in their lounge. Pete Loucks opened the program with a brief description of the technical functions and capabilities of Magnetix Corp. and Videx Co. A tour of Magnetix's tape duplication production facilities followed the technical presentation. During the tour, production methods were explained for the reproduction of audio tapes in cartridges, cassettes or reels. After the completion of the tour, Loucks, with the able assistance of Harry Richard, explained the technical capabilities of the Videx Co. Videx is a commercial producer of color video tape for closed circuit or cable television utilization. Loucks and Richard also demonstrated the various color television cameras, monitors and recorders used in the production of commercial color video tapes.

Loucks concluded the program with an invitation to members and guests in the actual use of the studio equipment. Many of the members used the cameras to video tape their wives. The tapes were played back later to the delight of all participants. After the meeting, twenty members and guests enjoyed dinner at the Ramada Inn, Winter Garden, FL.—Clayton O. Kelty, *Secretary-Treasurer*.

ATLANTA, April 6—The Atlanta Section held their April meeting at Eastman Kodak Marketing Center. Twenty-three members were present for the program. "Movies Move People," a motion picture produced by Eastman Kodak for producers to use as a sales aid was presented by Gene Myler of Kodak. Bob Baker of Kodak also presented a film and slides comparing the old Ektachrome Commercial #7255 with the new #7252. Improvements and differences were discussed for producers and processing changes for lab personnel. Bill Marks of Kodak said the new film would be available in limited quantities on the 20th of April, with a complete change over a few months.

After a coffee break, another paper explored the evolution of Super 8 film. The old system and the completely new system of Kodak films were discussed and the point was made that Super 8 prints now have the quality that 16mm positive prints had when Super 8 was first introduced. Another Kodak technical film was shown on the new Ektachrome Type R Print Film #7389, which makes possible the production of silver soundtracks on an Ektachrome emulsion.—Gerald M. Crowder, *Secretary-Treasurer*.

WASHINGTON, DC, March 9—Stephen Medwid, special agent, presented a movie on drug abuse, from the starter who sniffed glue to the uncontrollable use of LSD and opium. He described the tremendous growth of drug usage in the Washington area as well as in New York and other areas during the past two years. His departmental assignment is to find and correct the suppliers of the drug. His department is now receiving more Administration support. Although this was not a technical subject, we were disappointed with the small turn-out. Audience reaction was very good. Many questions were asked and the discussion period was lively.

Dinner preceded the meeting, which was attended by the speaker and ten members.—Ralph W. Sonnenberg, *Secretary-Treasurer*, Washington.

WASHINGTON, D.C., April 13—J. N. Leavitt, Engineering Manager, Canadian Westinghouse Co., Ltd., Hamilton, Ont., Canada, spoke on, "Stable Images from Moving Platforms." Stabilizing the camera and providing remote controls, while the cameraman shoots films from the comfort of a console with assurance and safety was discussed from two points of view. First, as an isolator of both vibration and carrier angular motion; and, secondly, as a remotely controlled cine camera. Examples and applications were discussed from the point of view of the cinematographer, the nature photographer and for military applications. Audience reaction was very good; discussion period adequate; and a dinner was held prior to the meeting.—Ralph W. Sonnenberg, *Secretary-Treasurer*.

ROCHESTER, April 16—An enthusiastic audience was treated to a very interesting presentation and demonstration of a single gun color television projector by Dr. W. E. Good, General Electric Co. An excellent color picture about 5 by 8 feet was presented by rear projection using studio and off the air sources. The projection system makes use of the light valve principle. A single electron gun is used to write appropriate diffraction gratings on a transparent control layer surface. A slot and bar system in conjunction with a light source permits the desired color to be selected from the spectrum developed by each diffraction grating.—R. A. Morris, *Secretary-Treasurer*.

DETROIT, April 16—The Detroit Section meeting was held at the Chrysler Training Center, Centerline, MI. The program began with the presentation of a short film describing the impact testing program utilized by Chrysler Corporation in its safety-engineering studies. Following this Ted Horn, Chrysler Photographic, demonstrated the use of a low-power laser to trip high-speed cameras during test procedures conducted in high ambient light conditions. Next, John Hartigan, an Instrumentation Photography specialist in Chrysler Engineering, presented a talk, illustrated by numerous film sequences, describing the various uses of high-speed photography in automotive test programs. The talk was entitled, "An Art Form is an Engineer's Tool." The audience was fascinated by the excellent quality of the films and by the refined quantitative measurements possible using the techniques described. Following a question period, coffee and donuts were served to the members and guests.—F. M. Remley, *Secretary-Treasurer*.

SAN FRANCISCO, April 14—W. A. Palmer Films hosted the meeting. The background of kinescope recording was presented with sample films being projected. The importance of kinescope recording was stressed as a means of recording video in a form which can be shown without the compatibility problems of video tape. The flexibility of film

from video was shown to be increased by the use of color and super 8.

A new version of the Palmer Interlock Projector equipped to play back film into TV systems was demonstrated. This unit will televise regular optical sound prints, magnetic striped prints, or silent picture film synchronized with a separate magnetic soundtrack. The projector also serves as a synchronous magnetic recorder for full coated or striped magnetic film.

After the formal presentation an active question and answer period continued for some time. Coffee and donuts were served and the equipment was made available for individual inspection.—William A. High, *Secretary-Treasurer*.

OHIO, April 14—Fifteen members met at the Jai Lai Restaurant for a pre-meeting dinner and cocktails. Fifteen others joined them at the Battelle Memorial Institute in Columbus. Janice Nelson, Department of Photography & Cinema, Ohio State University, showed a film she had recently produced in the Cinema Department, and discussed it in her paper, "Problems in Converting Non-synchronous Recordings to Lip-sync." This was followed by Stanley J. Andrews, Jr. and George R. Henkes, Argonne National Laboratory, presenting a paper, "A Multicamera Network Utilizing Radio-linked Double-System Sound Synchronization." This paper described a system utilizing three cameras which allows continuous film recording of seminars, lectures or classes with practically no disturbance of the audience. Both papers received appreciative applause. The meeting concluded with a hospitality session with refreshments.—Byrl L. Sims, *Secretary-Treasurer*.

NASHVILLE, Mar. 30—Don Mizour, Motorola Systems, Inc., presented a complete technical description of the two basic units of the CBS EVR System, the cartridge and the playback unit. After the mechanical and electronic features of these units were given, a most interesting demonstration of the system was presented. The unit demonstrated was a black-and-white unit, but a color version of the unit was described. An interesting question and answer period followed, allowing the members ample opportunity to discuss the various features of the system.—Aaron Shelton, *Secretary-Treasurer*.

NASHVILLE, Apr. 18—Richard Palmer, Chief Engineer, Television, Radio and Film Department, Western Kentucky University, Bowling Green, Ky., gave a most complete and interesting description of facilities contained in this educational institution and how these facilities were used in the furtherance of education throughout the state of Kentucky. His description was augmented by numerous slides displayed on studio TV monitors from a color film chain.

E. R. Maples, TAVC Inc., demonstrated a modern helical scan color video tape recorder and noted the progress made in this field.

After these two talks refreshments were served. A tour of the entire facilities of the WKY-TV installation at Western Kentucky U. was conducted by Palmer and staff members.—Aaron Shelton, *Secretary-Treasurer*.