

section reports



The **Boston Section** held its October 18 meeting at the WBZ-TV studios with an attendance of 21. Following a dinner get-together with the speaker, Allan L. Sorem, Research Laboratories, Eastman Kodak Co., Rochester, N.Y., at 5:30 the meeting was called to order at 8:15 with a small but very interested group on hand. Mr. Sorem gave an interesting paper on "The Potential Role of Photography in Space," illustrated by slides.—Lester E. Bernd, *Secretary-Treasurer*, Information Technology Labs., 10 Maguire Rd., Lexington, Mass.

The **Canadian Section** held one of its most successful meetings in the Toronto area on December 6 at the National Film Board with an attendance of 85. The meeting was devoted entirely to 8mm, and commenced with an 8mm sound film in color, *The Magic Box That Remembers*. This film certainly showed the tremendous possibilities of 8mm.

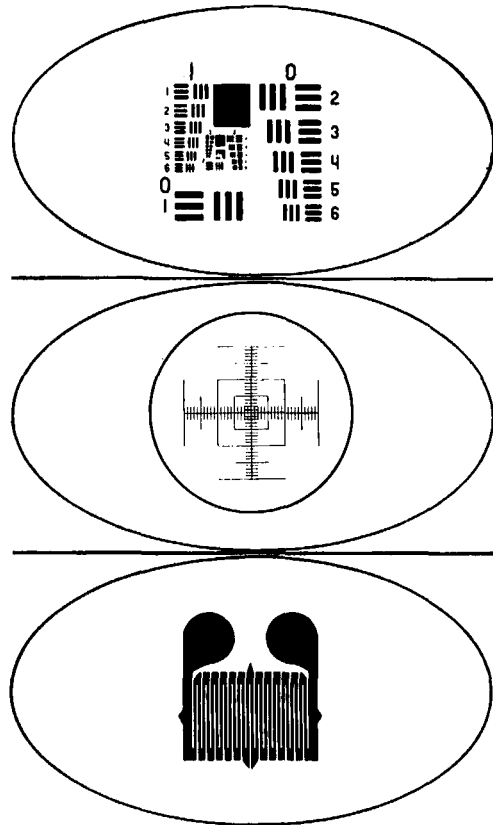
The outgoing and incoming Canadian Chairmen both addressed the meeting. This was followed by a report to the membership made by R. J. Ross, CBC, as a Canadian Governor. It was the general feeling that a report by the Governor should be a semiannual or annual feature.

The first speaker of the evening, Louis Forsdale, Columbia University, spoke on "The Use of 8mm Sound Film for Education." He painted a clear picture of what is needed to be done for the successful use of 8mm in education. He indicated that this would involve large-scale distribution of 8mm sound films to schools and colleges. He pointed out the necessity of having light-weight, portable equipment, with simplicity of operation the keynote. A lively question period resulted from Professor Forsdale's remarks.

After refreshments, J. A. Maurer, J.M. Developments Inc., New York, demonstrated conclusively that if proper care is taken in the handling and processing of film, optical sound can be just as beneficial as magnetically striped film. After questions with Mr. Maurer the meeting closed, at approximately 11:00 PM.

A premeeting dinner was held at the Rathskeller Restaurant. This was attended by the Canadian executive and the guest speakers, a total of 13 people.—Maurice French, *Toronto Program Chairman*, c/o Canadian Broadcasting Corp., 354 Jarvis St., Toronto, Ont.

The **Canadian Section** met on January 9 at Omega Productions Inc., Montreal. K. Davis, Canadian Marconi Co., spoke on random-access TV-slide projection. Concentrating on the theory of adequate slide projection for TV, he came up with an excellent solution to the problem. After a well-hosted coffee break, Ches Beachell, National Film Board, demonstrated a compact device in conjunction with his talk on electronic speed control for d-c camera motors. To the delight of the audience, Mr.



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Beachell extended his remarks to cover his current experiments towards the elimination of the wire between camera and recorder.—Harold Green, *Secretary-Treasurer*, c/o Park Photo Supply Co., 77 Craig St. West, Montreal 1, P.Q.

The Canadian Section met on February 22 at the Pathe DeLuxe Studio, Toronto, with an attendance of 74. The meeting opened with a 16mm color sound film, *Pilgrimage*, about the annual pilgrimage of San Juan de Los Lagos, Mexico. The first guest, John E. Hayes, Director of Optical Designs, Bausch & Lomb, Rochester, spoke on camera and projection lenses. He outlined the improvements in projection and camera equipment and told of the new series of Super Baltar lenses, accompanied by slides. Coffee was then served by Anso Canada during the social period.

The second speaker, Reverend Anson C. Moorhouse, Director of Audio-Visual Aids, the United Church of Canada, was accompanied by three of his production people: George Gorman, director; Edmond de Fay, cameraman; Shirley Tyte, editor and script assistant. Mr. Moorhouse outlined the extensive operation of Berkeley Studios in the production of motion pictures, slide films, recordings and TV programs. He described the production of the film *On the Rim of Tomorrow*, produced for the National Council of Churches, which took the crew through Korea, Okinawa, Taiwan and Hong Kong. George Gorman then described the hazards of directing a film in the East. Mr. de Fay told of the equipment used, and Shirley Tyte concluded with a series of color slides from the trip.—Harold Hundert, *Secretary-Treasurer*, 129 Riverhead Dr., Hexdale, Ont., Canada.

The Chicago Section meeting on December 5 at the Dallas Jones Studios went as scheduled. Our Board of Managers' meeting was held at the Behrend Cine Corp., and was followed by a well attended dinner at Tracey's Restaurant. About 65 were present at the section meeting.

The first paper was given by William Findlay, Behrend Cine Corp. He gave a brief explanation of some of the equipment which his company had installed for the Dallas Jones Studios.

The next speaker was Barney Kugle, Sound Engineer for the Dallas Jones Studios. Mr. Kugle discussed the operational procedure in the use of the sound system and the problems encountered. Following the oral presentation, the group inspected the sound console and recording rooms as Messrs. Kugle and Findlay explained the actual operation. A coffee break was then held, courtesy of Dallas Jones Studios.

The concluding paper was given by Lou Burroughs, Electro-Voice. Mr. Burroughs described the characteristics of an ideal monitor speaker, and work being done to achieve these characteristics. He further discussed the properties of microphones and gave a specific demonstration of the Model 643 directional mike in comparison with a less directional type.—Philip E. Smith, *Secretary-Treasurer*, Eastman Kodak Co., 1712 South Prairie Ave., Chicago.

The Chicago Section enjoyed an interesting program titled "Commercial Uses of 8mm Film" at the February 8 meeting held at the Lake Shore Club. Approximately 200 members and guests attended. Prior to the meeting, about 40 people attended a dinner in the main dining room.

George T. Keene, Color Technology Div., Eastman Kodak, Rochester, discussed, through screen examples, various commercial systems for printing 8mm color release prints. Through dual projection it was possible to compare various methods on the basis of quality.

John A. Maurer, President, JM Developments, Inc., New York, demonstrated a new approach to 8mm sound—photographic or, as it is frequently called, optical sound. Mr. Maurer demonstrated several photographic sound recordings he had made of 8mm, and played them on an 8mm projector with an optical sound system instead of the magnetic playback unit. A complete explanation of his equipment and procedures was given. A question period followed.—W. D. Hedden, *Secretary-Treasurer*, Calvin Productions, Inc., 1105 Truman Rd., Kansas City 6, Mo.

The Detroit Section met on December 5 at the Rackham Memorial Building with an attendance of 27 members and guests. William A. Koch, Eastman Kodak Co., made a presentation and demonstration of the new Kodak Reflex Special 16mm camera, and then presented slides explaining the new Eastman Rapid Processor.—James W. Bostwick, *Secretary-Treasurer*, c/o General Motors, 465 W. Milwaukee, Detroit 2.

The Hollywood Section met on November 21 at the MGM Theater with an attendance of 275. Guest speakers were all from Eastman Kodak Co. The first was Robert C. Lovick who spoke on testing magnetic striping. Next, Raymond F. Grant presented a paper prepared by William A. Martin on the company's new 16mm Reflex camera. The program concluded with an examination by George T. Keene and James D. Clifford of commercial systems for making 8mm prints.—John P. Kiel, *Secretary-Treasurer*, Photo-Sonics, Inc., 820 South Mariposa St., Burbank, Calif.

The Hollywood Section meeting on December 19 held at the Academy of Motion Picture Arts and Sciences Theater was unusually small. Due to the Christmas holiday only 71 attended. A premeeting dinner held at the Gourmet Restaurant was attended by 17 people.

Speakers were Ralph Sogge, Magnasync Corp., who presented "The Case for Split 16mm," and W. R. Holm, E. I. Dupont, who spoke on "Sensitometry Made Easy." The speakers were very good, and those members present were most enthusiastic.—John P. Kiel, *Secretary-Treasurer*, Producers Service Co., 820 South Mariposa St., Burbank, Calif.

The January 16 meeting of the Hollywood Section, held at KABC-TV, opened with the filming of *The Movies Learn to Talk*. The film was excellent, and the reaction of the 275-member audience was very enthusiastic. Ralph Lovell then thanked the retiring

members of the Section Board of Managers for their services and assistance and announced the new Board for the coming two years.

At this point, the meeting was turned over to De White who introduced Norman Bounsall, Ampex International. Mr. Bounsall spoke on electronic editing of videotape recordings after which there was an interesting question-and-answer period with good audience participation.

As an added feature (not included in the meeting notice), Mr. White introduced Ted Grenier, Chief Engineer of the Western Div., ABC. He described the alteration of ABC's Studio D including expansion of the audience section, new lighting, and new control-room facilities. Mr. Grenier concluded the meeting by inviting those present on a tour of the new area.—John Kiel, *Secretary-Treasurer*, c/o Photo-Sonics, Inc., 820 S. Mariposa St., Burbank, Calif.

The Hollywood Section met on February 20 at the Disney Studios with an attendance of 230. The meeting opened with a new Walt Disney cartoon which the audience found very amusing. Loren Ryder, Ryder Sound Services, spoke on "Sound Recording Techniques — Europe Versus U.S.A." His topic was informative, and he told of the many time saving techniques that have been developed in Europe, principally the use of ¼-in. tape recorders. He also spoke on the current trend of making films outside of the United States for economic advantage.

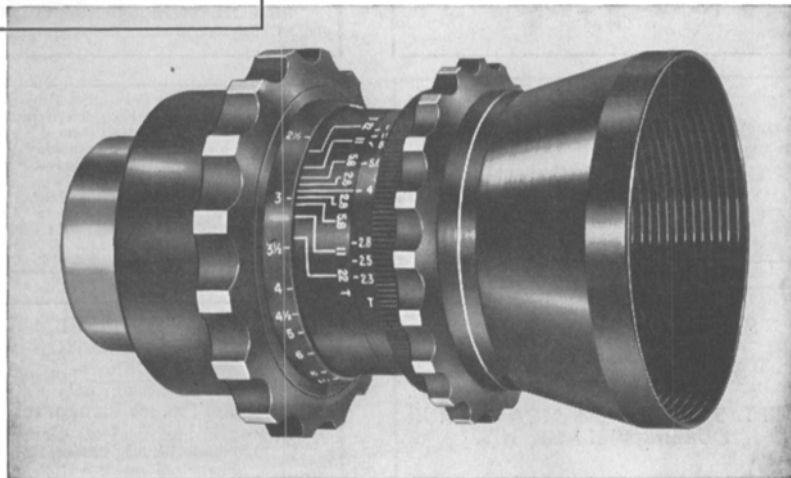
Herbert Thurman, Westrex Co., presented an interesting demonstration of the A-V system and discussed the use of audio-visual techniques in regard to industrial automation, and the success achieved in upgrading semiskilled employees by this method.—John Kiel, *Secretary-Treasurer*, c/o PhotoSonics, Inc., 820 South Mariposa St., Burbank, Calif.

The Nashville Section met January 27 at the Arnold Engineering Development Center, Arnold AFS, with an attendance of 26 members and guests. The meeting opened with a welcome to the base by Lt. Col. F. D. Campbell followed by a briefing on the center's operation by Bob Boyles, ARO, Inc., a subsidiary of Sverdrup & Parcel, Inc., the operating contractor. Bob Smith and Hi Brown, also of ARO, presented a briefing on the use of photography at AEDC, including demonstration clips of a sequence filmed at 1,200,000 frames/sec. This was followed by a tour of the installation, which represents an investment of \$350,000,000, including inspection and an explanation of the von Karman Gas Dynamics Facility, the Rocket Test Facility, and the Propulsion Wind Tunnel.

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The tour was concluded with a film reviewing the entire installation and a question-and-answer period. Hershell R. Briscoe Jr., *Secretary-Treasurer*, 403 Signal View, Chattanooga 5, Tenn.

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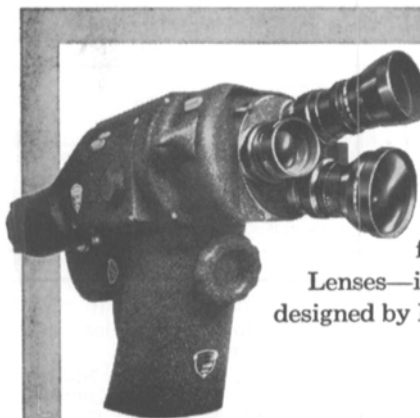
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The New York Section met on December 13 at the World Affairs Center auditorium with an attendance of 100. Guest speaker Rollo Gillespie Williams, Century Lighting Co. Inc., gave clear explanations of the terms *foot candle* and *foot lambert*. He also showed, with the aid of projected response curves, the relationship between emitted light from a source and the final visual effect involving surface reflectance and psychological influences. With the use of a spot brightness meter and a foot candle meter he demonstrated the lack of correlation in measurements under different quality light sources. Mr. Williams projected slides illustrating the peculiarities of simultaneous contrast.—Peter Keane, *Secretary-Treasurer*, Screen Gems, Inc., 711 Fifth Ave., New York, N. Y.

The New York Section met January 10 with an attendance of 150. John A. Maurer, J. M. Developments Inc., described and demonstrated a method for placing a photographic soundtrack on 8mm film. Two 8mm film recordings were presented, one of which had been run 150 times. The photographic sound-tracks were produced by direct positive recording transfer, the method Mr. Maurer recommends as producing the highest quality possible. Mr. Maurer also recommended that 8mm film intended for sound use, whether optical or magnetic, have perforations reduced in width in order to allow more room for the soundtrack between the perforations and edge of the film. An interesting discussion period followed.—Arthur J. Miller, *Secretary-Treasurer*, c/o Du Art Film Laboratories Inc., 245 West 55 St. New York 19.

The New York Section held its February 14 meeting at the World Affairs Center Auditorium with 80 members and guests attending. The program, on slant track video recorders, was also the first program of the 1962 lecture series on Production Recording Techniques presented by the Society's East Coast Subcommittee for Audio-Video Recording. Subcommittee Chairman Arthur Fury discussed the educational program and introduced the speakers.

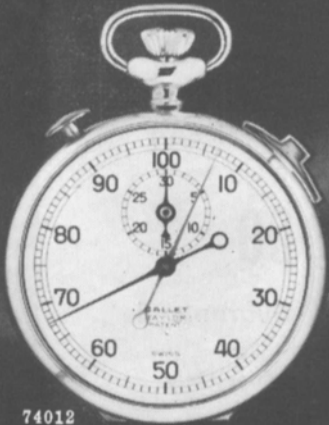
Anthony Lind, Manager, Electronic Recording Products Engineering, RCA, described his firm's MR 700 slant track video recorder, the reasons for its development, and the mechanical and electrical details of its operation. After a short social period and coffee break, Larry Weiland, Manager, Video Products Planning, Ampex Corp., discussed the Ampex VR 8000 helical-scan video recorder and its electrical and mechanical characteristics.

Both discussions were well illustrated with slides showing the equipment and details of construction. A discussion period followed.—Arthur J. Miller, *Secretary-Treasurer*, c/o Du Art Film Labs, 245 West 55 St., New York 19.

The Rochester Section gathered for its last meeting of the year on November 30 at the Kodak Research Laboratories Auditorium. 41 people heard A. Weissberger, Eastman Kodak, deliver a talk on "The Chemistry of Color Photography."

Dr. Weissberger opened his talk with an explanation of the differences between

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The San Francisco Section met January 16 at KGO-TV with an attendance of 52. Guest speaker was Wm. Ross Aiken, Director of Research at the Palo Alto Electronic Laboratory of the Kaiser Aircraft and Electronics Corp. Mr. Aiken discussed the principles and applications of the various methods of raster scanning.

A novel application of raster scanning to a solid-state crossed-grid type of display panel was described and demonstrated in an operation condition through the use of 16mm film and slides.—Harry N. Jacobs, Secretary-Treasurer, 333 Buena Vista, Mill Valley, Calif.

The San Francisco Section met on February 13 at the Beckman Instrument Co., Richmond, with an attendance of 30. Herman Neidhart and Ralph Dimmick, both of Beckman Instrument Co., presented a discussion of the basic concepts of digital methods of frequency counting based on the random sampling process, and demonstrated equipment used for this purpose. Measurement of frequency and/or period is equally feasible with this equipment and covers a range from a few cycles to 21 mc. A demonstration of the facilities included measurements of broadcasting station frequencies and was followed by a tour of the manufacturing facilities.—Clifton R. Skinner, Secretary-Treasurer, c/o Skinner, Hirsch & Kaye, 336 Funston Ave. San Francisco 8, Calif.

The Washington, D.C., Section, in keeping with its theme of exploring the technical implications of our field, experienced a moving and memorable meeting on October 17 at the radio and television Washington facilities of the U.S. Information Agency. About 60 members saw the headquarters of a most impressive world wide TV and radio facility. They saw demonstrated a unique engineering accomplishment with regard to video-tape production. They were moved by the earnestness of the obviously dedicated staffs of the Television Service and the Broadcasting Service, popularly known as The Voice of America. Don Duke of the Section's Board of Managers and the Television Service arranged the program.

The missions of the two services were succinctly and ably presented by their Directors, Romney Wheeler of Television and Henry Loomis of Broadcasting. Then followed a guided tour of both facilities. In keeping with the basic purpose of the meeting, emphasis was given to the TV facility. Of keenest interest was an engineering accomplishment where, by electronic switching, video tapes could be produced to either the American standard of 525 lines/frame/60 cycles, or to other standards such as the British 405 lines/frame/50 cycles, or the 625 lines/frame/50 cycles standard. It was reported that heretofore this convertibility was achieved only optically, though other electronic conversion systems were reported in development. This flexibility of standards selection is necessary if our video tapes are to be promptly transmitted to all parts of the world.

Rapid fire questions by members were answered by Ernest Acquisto, Chief of Technical Facilities; Willie Mitchem, Assistant Chief of Technical Facilities;

Milton Abramowitz, Maintenance Supervisor; and studio control-room engineers.

The Board of Managers, including the newly elected members, had dinner with Mr. Wheeler and some of his staff before the meeting. This preliminary get-together, plus Mr. Duke's excellent arrangements, resulted in a meeting well tailored to the cross section of interests within the Section.

After the tours, the weary but still obliging Television Service staff joined Section members for refreshments furnished through the courtesy of E. Stanley Busby, Ampex Professional Products. Member reaction to the meeting may be summed up as: In USIA's Television and Broadcasting Services, dedication plus leadership plus advanced technical ability equals results.—David E. Strom, Secretary-Treasurer, 1002 By-Pass Rd., Williamsburg, Va.

The Washington, D.C., Section culminated a year of vital meetings on October 31 when 150 enjoyed a superlative program presented by Willis R. Warren, Chief of Overseas Coordination Staff, Motion Picture Service, USIA, aided by his son, Willis M. Warren, President of Wilmo Corp., which furnished the projectors and tape recorder, and Section Chairman William E. Youngs. Using color slides which he took in Russia and the Far East, Mr. Warren, who is responsible for the overseas technical facilities of the MPS, presented a detailed story of SEVEN-ORAMA and CIRCARAMA, U.S.A., clearly defining the engineering, installation, presentation and logistics problems involved. Both were used at the American National Exhibition in Moscow during the summer of 1959 to tell the story of the United States through the use of the motion-picture medium, and the latter is still in effective use throughout the world.

Through the use of the 35mm Eastman Color motion picture *Building Circarama*, which was shown in work print stage, the audience in effect saw the world premier of a motion picture still in production. The film was narrated by its writer and project supervisor, Hugh G. Whittington, via a tape recording. Section members Willis R. Warren, Roy T. Van Niman, Richard L. Simpson and Adam Hanson were in the film. The audience was thrilled by the spectacular scene of the SMPTE registration test film shown on eleven screens simultaneously. The test film is used to align all eleven interlocked Eastman Model 25 projectors, modified, on their respective screens to form the 360 degree continual picture of CIRCARAMA U.S.A. Sound and narration in the language of the country where the film is being shown is reproduced from a 17.5mm magnetic Ampex reproducer.

The meeting was another double-barreled affair in that members attended the Audio-Visual and Pictorial Equipment Show staged in conjunction with this meeting at the Marriott Motor Hotel. The show, arranged by Trade Associates, Inc., and the Washington Section, SMPTE, was considered the finest of its kind held in the nation's capital. Many outstanding exhibits of the latest production and projection equipment were presented. The information and membership traveling exhibit of the Soviet, staffed by members of the Washington Section, was set up in the

middle of the Exhibit. Based on local reaction, its use by other Sections is recommended.

This was the final meeting of the year. Members felt that Chairman William E. Youngs and those who worked with him had done a superb job of arranging good meetings.

On December 9, the past, present and incoming members of the Board of Managers and guests met for dinner at the Lafayette Hotel and then joined other guests at the Academia of the Motion Picture Association of America for a showing of *Lover Come Back*, a comedy starring Doris Day and Rock Hudson. Thanks to the generous cooperation of Kenneth Clark and Robert Crisp of MPA, and Alex Schimmel of Universal Pictures Co., Inc., the audience was given a night to remember.

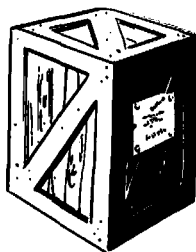
In a few remarks to the audience, Chairman Youngs said both he and the SMPE were born at the same time and both have one thing in common—they have each been helped to grow by the generous and sincere help of many, many people. Continuing, he said the SMPTE will soon be fifty years old, and that it had been suggested that there would not be a more appropriate place to celebrate it than the city of its birth, Washington, D.C. Incoming Section Chairman Arthur L. Foster of the Motion Picture Service, Department of Agriculture, spoke a word of appreciation to the outgoing chairman.—David E. Strom, *Secretary-Treasurer*, 1002 By-Pass Rd., Williamsburg, Va.

The Washington Section met on January 10 at the National Academy of Sciences. Prior to the meeting guest speakers Ray B. Dame, Chief, Motion Picture Branch, Bureau of Public Roads, and Ed Winkler, Technical Representative, Eastman Kodak Co., joined the members of the Board of Managers for dinner.

Mr. Dame presented the film *Winter Driving* produced by his bureau and the National Safety Council. The 16mm color sound film depicted a series of tests conducted on automotive equipment at a special winter test area in Wisconsin. Statistical representations were made of the relative effectiveness of reinforced chain, snow tires and normal tires. Appropriately, this was the coldest night of the winter, a factor which probably accounted for the meager attendance of 26 members.

Mr. Winkler presented his company's film, *Color Collage*, produced primarily for advertising agency art directors and media personnel. The 16mm color sound print refreshingly utilized high key effects between mobile and static photography. This plus the lively commentary pointed up a most unusual and interesting presentation.

Following the screenings, Chairman Foster introduced the incoming officers and managers. Howland Pike, National Membership Chairman, made a plea for renewed effort in obtaining qualified people as members. Sections Vice President Garland C. Misener congratulated the Section on its attempts to provide diversified papers in accordance with the Society's aim.—Arthur Rescher, *Secretary-Treasurer*, c/o Capital Film Laboratories, Inc., 1905 Fairview Ave., N.E., Washington, D.C.



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Further information about these items can be obtained direct from the addresses given. As in the case of technical papers, the Society is not responsible for manufacturers' statements, and publication of these items does not constitute endorsement of the products or services.

The Sun Gun Professional is a new 1000-w photographic flood lighting unit recently introduced by Sylvania Electric Products, Inc., 1740 Broadway, New York 19. By using a 1000-w, high-silica halogen lamp in a reflector housing that measures 6 in. wide, 4½ in. deep and 4 in. high, the unit is said to be capable of producing the same watts of exposure as a 5000-w flood light with the same beam angle. Its weight is 3 lb. The lamp used in the Sun Gun Professional is described as producing 30,000 rated lumens as a bare lamp. In its reflector, it produces 65,000 center-

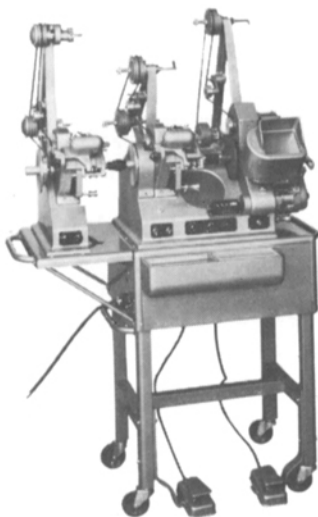
beam candlepower with a color temperature of 3400 degrees Kelvin. A dimming switch allows the unit to be used at less than half brightness either for lower light level or for use in focusing before actual picture taking. At the dimmed half voltage, the lamp produces 23,000 center-beam candlepower and could last for approximately 300 hr. At full voltage, the lamp is rated at 12 hr.

The light beam is 36 degrees wide and 30 degrees high. Through the use of the diffusion lens supplied with the unit the light may be spread to 110 degrees wide and 48 degrees high. The unit has an adjustable head which tilts 90 degrees upwards for bounce light or 30 degrees downwards. It can be used with any conventional household or office outlet. The price is \$79.00. Accessories are available.

The Sun Gun Professional was extensively described in Sylvania advertising in the November 1961 *Journal*. It will be on display at the 91st SMPTE Convention Equipment Exhibit at the Ambassador Hotel, Los Angeles, April 30-May 3, in Booths 232 and 233.

Sylvania has also recently announced a new three-in-one flashbulb, the M-3, suitable for most photographic situations in which the M-5, M-25 or FP-26 flashbulbs would be used. It will also be available as a blue bulb, known as the M-3B, for use in color photography. Sylvania also has a new 550-w superflood light for home motion-picture photography, priced at \$3.00.

ADD A SOUND HEAD to your MOVIOLA for multiple sound track editing

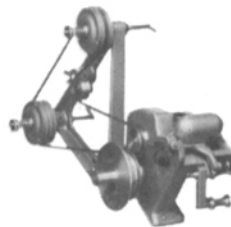


Model UD-20-S shown with cabinet extension and extra sound head.



Model CE-20 Cabinet extension bracket with mixing controls and coupling attachments complete.

\$77.50



Model SD-20 (35mm) shown Model SL-20 (16mm) similar

Each equipped to play optical and magnetic sound track.

\$495.00

1. Provisions for separate magnetic volume control over each sound head.
2. Plug-in attachments to amplifier.
3. Strong, easy to install from furnished instructions.

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