

## International Equipment Exhibit

Expectations for a big and exciting exhibit are being fully justified, according to Exhibit Chairman John Olsson. In the first few days after the space was made available, at least 20 booths were snapped up and the main question John is waiting to decide is how soon he will need to arrange with the Fontainebleau for additional space. Among the companies with booths already definitely assigned are:

Animation Equipment Corp.  
Benson-Lehner Corp.  
Camera Equipment Co.  
Century Lighting, Inc.  
Electronic Applications, Inc.  
Florman & Babb, Inc.  
Houston Fearless Corp.  
Kling Photo Corp.  
Magnasync Mfg. Co.  
Precision Laboratories  
Ro-Nan Plastics & Mfg. Co.  
S.O.S. Cinema Supply Corp.  
Studio Supply Co.  
Sylvania Electric Products, Inc.  
Vicom, Inc.  
Wollensak Optical Co.  
Zoomar, Inc.

Other companies intending to be represented should lose no time in contacting John Olsson, c/o Beattie-Coleman, Inc., 1000 N. Olive St., Anaheim, Calif.

The new feature of this Exhibit, the afternoon of demonstrations and equipment papers scheduled for Tuesday, when exhibitors will be showing their products individually to the convention audience in the sessions auditorium, is also lining up

fast. So far, reservations for time during this session have been made by Animation Equipment, to show the new Oxberry Unistand; Camera Equipment, to show a double-system magnetic portable sound recorder; Electronic Applications, to show a Model 140 (West German) reverberation unit with Nagra (Swiss) Recorder and Monitor Speaker; Florman & Babb, to show the Portman Animation Stand and the F&B Effects Stand; Kling Photo, to show new Arriflex 16 & 35 cameras and anamorphic lenses; and Wollensak, to show the WF4S 16mm 4000-ft Stop-Start Fastax Camera. Exhibitors who wish to include a demonstration or brief equipment paper in this session should send in their applications without delay to the Program Chairman, Garland C. Misener, 1905 Fairview Ave., N.E., Washington 2, D.C.

## From the Program Chairman

Some of the titles received by Gar Misener well before deadline were:  
"The Silicon-Controlled Rectifier Dimmer"  
"A Multi-PAR Lamp Luminaire for Light Projection for Stage Lighting"  
"New, Compact Light Source for High-Speed Photography"  
"Photographic Instrumentation in the AVRO CF-105 Arrow"  
"Production Planning for Contractual Film Progress Reports"  
"Are ASA Speed Numbers Accurate?"  
"New Approaches to Location Recording Techniques"  
"Como Establecer y Mantener el Balance de Luz de Copia, Usando un Sistema de Azar Controlado, al Hacer Copias Aditivas en Color" (Establishing and Maintaining Printer Light Balance in

Additive Color Printing by a System of Controlled Chance)  
"A Comparison of Learning Resulting From Motion-Picture Projector and Closed-Circuit Television Presentations"  
"Chemical Subtitling of Positive Film"  
"Horizon Sag Compensation for Projection on Wide Screens"  
"Gamma Insensitive Radiation Television Camera Lenses"  
"A Program-by-Program Billing System for Pay TV"  
"Adaptations of the Videotape Recorder for Foreign Television Standards"  
"Bandwidth Increases in Videotape Recording"  
"Transient Response Considerations in Videotape Recording"  
"Recent Technical Developments in Television Recording on Magnetic Tape"

## Committee Meetings

It is planned that most, if not all, committee meetings, except for engineering committees, will be scheduled for Wednesday afternoon, when no technical sessions are in progress. The nature of the standardization activity and multiple individual membership make it impossible to hold concurrent engineering committee meetings; however, the scope of activity of the committees will be taken into consideration and every effort will be made to assign meeting times so as not to conflict with the sessions relating to the interests of the committee members. All committee members will be mailed notices of the schedule of their meetings. All meetings are open and information about them is available from Society headquarters.

## Education, Industry News

A new 35mm All-Purpose Projector Alignment Film, produced by the Motion Picture Research Council and adopted by

the SMPTE, is now available from Society Headquarters.

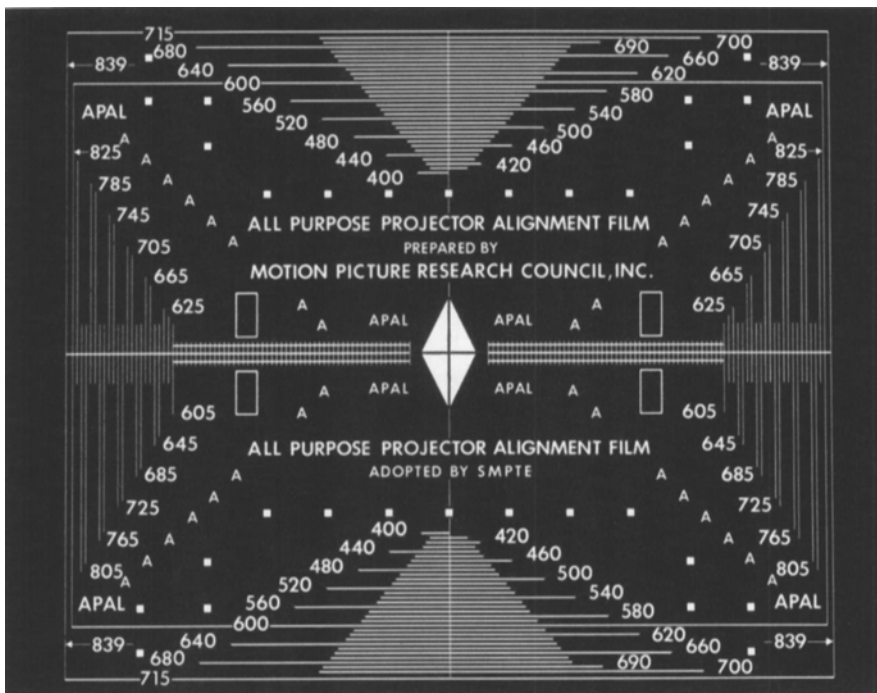
The film consists of a basic target which is photographed directly on 35mm release positive stock. It is produced in the MPRC laboratories using a 35mm camera which

was specially prepared with a projector aperture having the proper distance to the guided edge and equipped with positively aligned registration pins. The APAL camera original film may be used for checking all standard aperture sizes including the 0.715 by 0.839-in. aperture.

In addition to aperture determination, this film may also be used for testing height steadiness, side weave, travel ghost, focus, squeeze ratio and breathing and buckling. Further information concerning this film may be obtained from Society Headquarters.

A television-guided motion-picture camera system has been developed by Radio Corp. of America for visual exploration of the sun. Astronomers at a ground base, controlling the aim and focus of a telescope hanging from a balloon 80,000 ft above the earth, will be enabled to observe the sun, unhampered by the density and turbulence of the earth's atmosphere.

Next summer, from a base in Minnesota, a 12-in. reflecting telescope called the Stratoscope will be carried in a balloon to a point about 15 miles above the earth. A slow-scanning TV camera and a motion-picture camera, both mounted on the Stratoscope, will be linked by a mirror system. The images appearing in the reflector will be photographed by the motion-picture camera for a permanent record. The TV transmitter, also mounted



# Spotlight on



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on the telescope, will transmit to monitors at the ground base second-by-second views of what the motion-picture camera sees. The astronomers watching the monitors can control the aim and focus of the telescope by means of a remote control system which also is being specially developed for this project.

The TV camera (which measures 8 in. by 6 in. by 5 in.) the transmitter and battery supplies are protected by a pressurized case. A special antenna arrangement is contained in a shock-resistant foam package suspended below the telescope. In operation, a shutter arrangement will cause the telescope image to be reflected briefly, once each second to the television camera which will transmit to the ground, during the remainder of the second, a picture identical to that recorded at the same instant by the film camera. The system is

being developed under the supervision of V. K. Zworykin by a group of scientists directed by Leslie E. Flory.

Almost a decade ago, Dr. Zworykin told the Society about these possibilities in a paper on "New Television Camera Tubes and Some Applications Outside the Broadcasting Field," presented in October 1949 at the Hollywood Convention. Dr. Zworykin said, "In speaking of the electronic stabilization of star images to compensate atmospheric and clock drive errors... we have been able to keep our feet on the ground. We shall now contemplate the possibility of placing our telescope in a balloon and ascending to heights where atmospheric refraction ceases to play an appreciable role. We will now need electronic methods to maintain the proper orientation of the telescope in spite of the uncontrollable motions of the balloon and,

eventually, to send the star images back to earth," (*Jour. SMPTE*, 55: 227-242, Sept. 1950).

**An American Film Festival** sponsored by the Educational Film Library Assn., 250 W. 57 St., New York 19, will be held April 1-4 at the Statler Hotel, New York. Films will be grouped under the major headings of Education and Information; Cultural; Industrial; Religious; and Health and Medical. Sound and silent filmstrips and 16mm films will compete for awards in approximately 30 categories under the major headings.

**The Inter-Society Color Council** will hold its 28th Annual Meeting April 1, 1959, at the Statler-Hilton Hotel, New York. Guest speaker at the banquet, held that evening, will be Deane B. Judd of the National Bureau of Standards. Dr. Judd will describe experiences in the field of color and material color standards. A symposium on The Use of Material Standards for Color Matching will be held in the afternoon. The speakers are A. J. Benjamin, Monsanto Chemical Co.; Harry J. Keegan, National Bureau of Standards; and Hugh Davidson and Henry Hemmendinger of Davidson and Hemmendinger Co. Advance registration blanks may be obtained by writing Ralph M. Evans, Secretary, Inter-Society Color Council, Color Technology Div., Bldg. 65, Eastman Kodak Co., Rochester 4, N.Y.

**The Society of Photographic Scientists and Engineers** will hold its 1959 National Conference October 26-30 at the Edgewater Beach Hotel, Chicago. The Papers Chairman is Charles E. Ives, Kodak Research Laboratories, Rochester, N.Y. Exhibits Chairmen are Arthur E. Neumer, Carl Stauff and Richard Van Steenburgh. Local Activities Chairman is Nelson Rodelius and Conference Coordinator is Ira R. Kohlman.

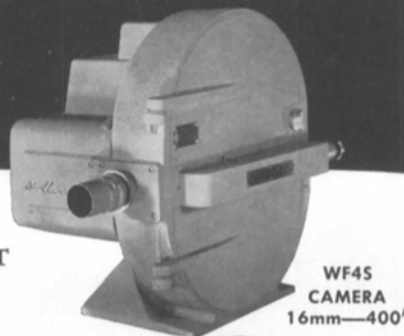
**T. Howard James**, Research Associate of Eastman Kodak Research Laboratories, has accepted the post of Editor of *Photographic Science and Engineering* (the journal of the Society of Photographic Scientists and Engineers). He began his duties with Volume II, Number 3 of the publication. Dr. James was co-author with L. J. Fortmiller of "The Kinetics of Development of Vanadium Salts," (*Journal*, March 1954).

**Resignation of Peter Hansell**, editor of *Medical and Biological Illustration* since it was first issued in 1950, has been announced. The magazine, launched as an experiment eight years ago, is backed by British Medical Assn, and is contributing a unique service in the fields of medicine and biological sciences. The magazine's editorial board boasts an impressive roster of persons distinguished in their various fields. Among the overseas correspondents are Henry Lester, Photographic Consultant, 270 West End Ave., New York 23; and Lloyd E. Varden, Photographic Consultant and Assoc. Prof. in Graphics, Columbia University, New York.

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