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1. Simplified camera attaching method with easily accessible knob—no fumbling under camera platform.
2. Adjustable telescoping pan handle—make it longer or shorter to suit you needs.
3. Additional pan handle sockets for left, right or reverse tilt.
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5. New tie-down eyelets in flange.

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Complete line of 16mm and 35mm Cameras

SMPTE Staff Engineer

Henry Kogel, SMPTE Staff Engineer, resigned as of April 12 to accept a position with Century Lighting Co., New York.

"Hank" was on the staff of the Society since November 1950. During that time he became nationally known for his contributions to the standardization program and received international recognition as Technical Secretary of ISO/TC 36 on Cinematography. He also served as Secretary of the American Standards Association and Secretary of Committee PH22.

Before his SMPTE appointment he was with Sperry Gyroscope Co. where, as project engineer, he engaged in developmental work on demodulators, electronic and magnetic amplifiers and instrument servo-mechanisms. His scholastic career was interrupted by five years of military service (1941-46) where he was attached to the Army Signal Corps and worked in radio communications. He was graduated from Columbia University in 1948 with the degree of Bachelor of Science in Electrical Engineering.

In his new position he is devoting his attention to the field of lighting for television. —R.H.

Education, Industry News

Society Educational Program

Two SMPTE-sponsored courses at New York University and three on the West Coast are being given as part of the Society's educational program.

On the West Coast, this phase of the Society's long-range educational plans was begun in the Fall of 1955 with three courses at the University of California, Los Angeles, and one at the University of Southern California. Courses in Illumination Optics, Motion Picture Laboratory Practice, and Color Duplication were given at UCLA; and a course in Elements of Sound Recording for Motion Pictures was given at USC.

The success of these courses assured the continuation of the West Coast program and with the beginning of the 1956 Fall Semester three courses were offered. Elements of Sound Recording is being repeated at USC. The present instructor is Frank Pontius of Westrex, who is conducting the course under the direction of Herbert Farmer. A course in Electrical and Electronic Principles of Sound is being given at UCLA, with Jerry Paskusz as instructor; and S. P. Solow is conducting a course in Laboratory Practice and Color Duplication. This course does not carry college credit.

Sound Recording and Laboratory Practice courses opened at New York University in February. The tremendous response when the courses were first announced made it necessary to limit the classes to students who could meet certain strict requirements, but even with the limitations the quotas were rapidly filled. The course in Sound Recording is co-sponsored by the Society and I.A.T.S.E. Local 52.

Moderator for the Sound Recording course is Burton F. Perry, Westrex Corp., while moderator for the course in Labora-

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BELL & HOWELL

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(shadowless lite)
Gator Clip Lites
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Diffusers
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EDITING

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2 Steps • Apple Boxes
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SOUND EQUIPMENT

Magnasync-magnetic film
Reeves Magicorder
Mole Richardson Booms and
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Portable Mike Booms
Portable Power Supplies to
operate camera and recorder

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tory Practice is Ralph D. Whitmore, Mechanical Engineer, Twentieth Century-Fox.

Instructors for the two courses were selected from top men in the industry, each of whom lectured on his specialty. Instructors in Sound Recording are: Nicholas B. Cook, Chief Engineer of Meters, Public Service Electric and Gas Co., Clifton, N. J.; Prof. Cyril Harris, Supervisor, Acoustics Laboratory, Columbia University; Raymond Griswold, Chief Recording Engineer, Film Recording, Radio Corp. of America; Homer Elder, Chief Engineer, Metropolitan Sound Service, Inc.; Robert J. Engler, Systems Engineer, Westrex Corp.; Edward P. Ancona, Film Recording, Radio Corp. of America; Edward Schmidt and Ernest Frank, Reeves Soundcraft Corp.; John Maurer, President, JM Developments Co.; Richard J. Boricek and Emil Neroda, Reeves Sound Studios.

Instructors for the Laboratory Practice course are: Dr. A. F. Turner, Head of Vacuum Coating Dept., Scientific Bureau, Bausch & Lomb; Wilton R. Holm, Technical Associate, Photo Products Dept., E. I. du Pont de Nemours & Co.; John J. Kowalak, Process Engineer, Movielab Film Laboratories, Inc.; Arthur J. Miller, General Manager, Pathé Laboratories, Inc.; Edward M. Warnecke, Motion Picture Film Dept., Eastman Kodak Co.; and George H. Gordon, Motion Picture Film Dept., Eastman Kodak Co.

Educators at New York University have expressed themselves as being greatly pleased with the way the courses have been conducted. The use of training aids was mentioned especially as having high educational value in this type of instruction—R.H.

The Scientific Film Association

This Association, whose offices are at 164 Shaftesbury Ave., London W.C.2, states that it exists to study, discuss and publicize the use of scientific and industrial films. It is governed by a Council of Management, composed of the officers of the Association and six other members, all of whom are elected annually, and seven members appointed on the nomination of the Lord President of the Council. The Council of Management appoints Standing Committees which deal with various aspects of the Association's work. These are at present the Film Appraisal Committee, the Industrial Committee, the Medical Committee and the Sciences Committee.

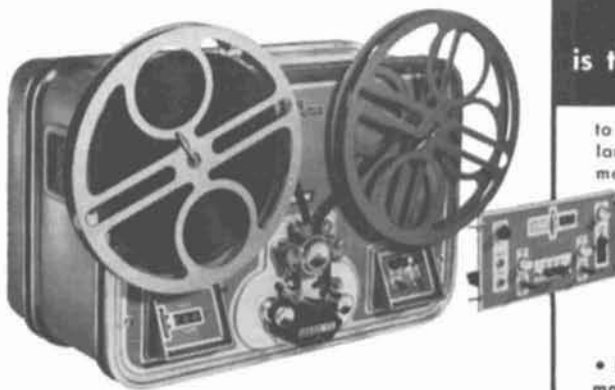
There are three grades of membership, Associate, Full and Corporate; the first entitles the member to attend meetings, the last two entitle him to vote and to receive the Association's publications.

Scientific Film Review, the journal of the S.F.A., is a 5½ × 8½-in. magazine of about 50 pages, now in its third year of publication, is published every other month, beginning with February, and is available to non-members on a subscription basis. Three issues each year contain reviews and appraisals of scientific and industrial films, special lists of films (e.g. automation, medical and veterinary subjects, Polar exploration, etc.), articles on the development and

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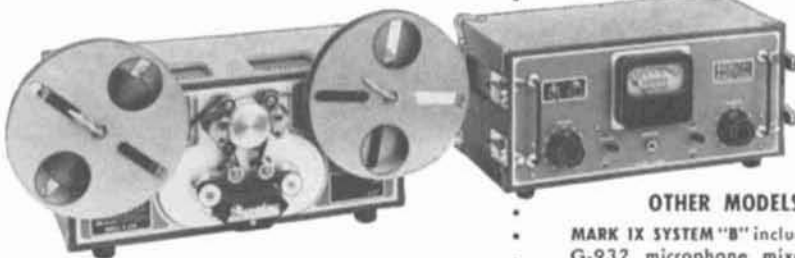
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MAGNAPHONIC SOUND SYSTEM, SYSTEM "A"

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use of such films, details of S.F.A. activities, and other information of interest to all concerned with the application of films to scientific and industrial problems. The other three issues are usually devoted to films on specific subjects (e.g. atomic energy, building and construction, chemistry, economics, industrial training, physics, etc.)

The S.F.A. also distributes, free to its full and corporate members, *Science and Film*, which is the quarterly journal of the International Scientific Film Association, whose headquarters are in Paris (37 Ave. des Ternes, Paris 17). This publication, which is in a format similar to that of the *Scientific Film Review*, is in its sixth volume. It contains articles from contributors all over the world, who discuss

the development and use of scientific and industrial films in their respective countries.

Through viewing panels, meeting in London as well as in other parts of England, the S.F.A. makes critical appraisals of scientific and industrial films, indicating suitability for various types of audience. These findings are used in compiling catalogs of films by subject matter, which are sold by the Association as a working tool for film users.

SMPTE Lapel Pins. Gold and blue enamel reproductions of the Society symbol, with screw back. Available to all members from Society headquarters. Price \$4.00 including Federal Tax; in New York City, add 3% sales tax.

section reports



The Hollywood Section met on March 19 at the ABC Television Center, Hollywood, with an attendance of approximately 275. The meeting was opened with a 16mm color film supplied by Douglas Aircraft Co., *The Navy's F4D Skyray, Spearhead of Defense*.

Marvin B. Jacobs, television and optics engineer for American Broadcasting Co., gave an excellent talk and demonstration of the 100-in. lens employing reflecting, telescope-type, optics, and having an effective aperture of approximately $f/5.7$. The TV camera was focused on an RETMA test chart approximately 90 ft away, to show the excellent definition and freedom from distortion achieved with this unique lens. This lens was developed by ABC and used at the Republican National Convention and at the recent presidential inauguration in Washington, D.C.

A. W. Vose, of Radio Corp. of America, gave a talk, illustrated by slides, on the development and implementation of the RCA AVQ-10 Weather Radar. This radar permits a pilot to "look" ahead of his flight up to 150 miles to determine the best course for avoiding thunder storms and for penetrating storm fronts and squall lines.

United Airlines needed a pilot training film to acquaint pilots with the proper operation of the RCA weather radar. This film was produced by Thomas J. Barbre Productions in Denver. Some of the unusual production problems, including the radar scope photography necessary in this production, were described by Paul Emrich of the Barbre Company. This talk was followed by the showing of the 40-min, 16mm color film *United's New Look* which was filmed from a United Airlines Convairliner on a trip over the midwest plains states through thunderstorm activity. The film showed views of the thunderheads taken from the airliner cabin and then showed their presentation on the weather radar scope. The commentary on the soundtrack, provided by a United Airlines radar expert, described the various pertinent details on the radar scope that enabled the pilot to analyze the severity of the various cells in the storm and to find a corridor for safe penetration of the storm area.—Robert G. Hufford, Secretary-Treasurer, c/o Eastman Kodak Co., 6706 Santa Monica Blvd., Hollywood 38.

The Chicago Section met on February 28 at the Processing Laboratory, Eastman Kodak Co., Chicago, with an attendance of about 400.

Three papers were presented by members of the technical staff of the Eastman Kodak Processing Laboratory. The first paper, "Silver Recovery and Solution Rejuvenation," by Frank E. White, Supervisor of Engineering Maintenance, covered various methods for the recovery of chemicals and silver from exhausted solution. In "Color Processing Control Techniques" Atwood G. DeCoster, Supervisor, Quality

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