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Causes of Unsteady Image—and What to Do to Cure It
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C. E. SHULTZ

SOCIETY ANNOUNCEMENTS**ATLANTIC COAST SECTION**

The physical characteristics of film were discussed by Dr. John M. Calhoun and Mr. Ralph H. Talbot of the Eastman Kodak Company, Rochester, at a meeting of the Atlantic Coast Section on February 23d. Dr. Calhoun's topic was "The Physical Properties and Dimensional Behavior of Motion Picture Film." A brief description was given of the manufacture of motion picture film, particularly the film base, which was illustrated with an 8-min excerpt from an Eastman 16-mm film entitled "Highlights and Shadows." Dr. Calhoun explained the physical properties of film such as strength, stretch, tearing resistance, cold flow, brittleness, *etc.*, as they bear on projection performance.

Speaking on "Some Relationships between the Physical Properties and the Behavior of Motion Picture Film," Mr. Talbot told how such properties as development shrinkage, humidity change shrinkage, and keeping shrinkage affect image placement on both negative and positive films. Some of the most important factors relating to the wear life of film are the shape of the perforation, the relation between the pitch of the sprocket and the pitch of the film, and the alignment of the film on the intermittent sprocket.

Clyde R. Keith, Chairman, opened the meeting in the Roof Garden of the Hotel Pennsylvania with a 16-mm sound film, "Army-Navy Screen Magazine," a 15-min reel for service men.

PACIFIC COAST SECTION

Methods used by Hollywood studios to transfer 35-mm entertainment films to 16-mm for distribution to the armed forces were discussed at the Pacific Coast Section meeting on February 15th. Studio and laboratory representatives told of the large-scale program now in operation for supplying 16-mm prints, and the particular problems involved. Several excerpts from recent releases were presented to demonstrate the results and limitations of 16-mm reduction prints.

The speakers comprising the symposium, held in the Review Room of Electrical Research Products, Hollywood, were Gerald Best, Warner Bros.; Philip Brigandi, RKO Radio; Samuel Cohen, Consolidated Film Industries; Wesley Miller, MGM; and Wallace Wolfe, RCA. Discussion from the audience followed presentation of the papers.

A second meeting in February was arranged by the PCS Program Committee on Tuesday, the 29th. Michael Leshing, superintendent of the Twentieth Century-Fox Film Laboratory, described turbulation in motion picture film processing and, assisted by members of his staff, demonstrated an improved developing machine recently completed by the studio. Over 100 members and guests attended the meeting in the Grandeur Projection Room on the Fox lot.

It is planned to publish these papers in future issues of the JOURNAL.