

REPORT OF THE STANDARDS COMMITTEE*

Summary.—Revised drawings for most of the standards, except those on sound sprockets, have been prepared and are to appear in a forthcoming issue of the Journal.

There have been no fundamental changes except with regard to the sound-film. For 35-mm. film, the dimensions of the sound-track have been changed; and for 16-mm. sound-film, similar changes have been made and the distance between the picture and the corresponding sound has been changed to 26 frames.

Inasmuch as the revision of the standards drawings being prepared by the Committee will be published in an early issue of the JOURNAL, they will not be given at this time. Most of the changes have to do solely with tolerances and with improved forms for showing the essential dimensions.

New Drawings.—The most important actual change recommended is an increase in the width of the variable-width sound record on 35-mm. film from 0.071 inch to 0.076 inch. The latter value is actually in use now, and was introduced to make room for the double track for the push-pull recording system. This change involves also a change in the sound-track dimensions for 16-mm. film to allow for reduction printing. The width of the sound record is increased from 0.060 inch to 0.064 inch. The width of the printed area for the variable-width sound-track has been reduced, however, from 0.096 to 0.085 inch so that the printed area for both types of sound records is the same.

Screen Brightness.—In accordance with the recommendation of the Projection Screen Brightness Committee and its endorsement by the Projection Practice Committee, the Standards Committee is proposing to adopt as recommended practice a standard screen brightness of not less than 7 or more than 14 foot-lamberts. There have been some good arguments against this recommendation, and further comments will be welcomed before the final adoption of this recommendation.

Standard Densities.—After investigation by the Sub-Committee to determine the possibility of standard densities for standardizing den-

* Presented at the Spring, 1937, Meeting at Hollywood, Calif.; received May 20, 1937.

sitometers, the recommendation has been approved by the Standards Committee that strips of photographic film standardized by reference to an integrating-sphere densitometer be used as reference standards. In spite of the fact that these densities are not permanent, it is believed that they are as permanent as any other densities likely to be obtained, and have the further advantage of offering approximately the same degree of light-scattering as the photographic film with which they are to be compared.

16-Mm. Spools for Projection Reels.—In spite of the fact that in Europe it appears likely that a standard reel for educational sub-standard film will be adopted with square holes on each side, the Standards Committee here has voted to adopt the recommendation of the Committee on Non-Theatrical Equipment that all such reels be built with a round hole on one side and a square hole on the other.

E. K. CARVER, *Chairman*

P. ARNOLD	R. E. FARNHAM	N. F. OAKLEY
M. C. BATSEL	C. L. FARRAND	G. F. RACKETT
F. C. BADGLEY	G. FRIEDL, JR.	W. B. RAYTON
L. N. BUSCH	H. GRIFFIN	C. N. REIPSTECK
A. CHORINE	A. C. HARDY	H. RUBIN
A. COTTET	R. C. HUBBARD	O. SANDVIK
L. DE FEO	E. HUSE	H. B. SANTEE
A. C. DOWNES	C. L. LOOTENS	J. L. SPENCE
J. A. DUBRAY	K. F. MORGAN	J. VAN BREUKELEN
P. H. EVANS	T. NAGASE	I. D. WRATTEN