

informal opening by Professor Tolansky, the meeting had a friendly and lively atmosphere which led to active discussion in session and in private.

Announcements were made of the 10th International Con-

ference in Nice, France, 24-30 September, 1972, to be followed by an AHSP National Meeting in the Glazebrook Hall, NPL, Teddington, on Wednesday, November 1, 1972, to report and discuss the International Conference.

Magnetic Videotape Recording Glossary

Term Group #4

The terms and definitions presented here were developed by the Nomenclature Subcommittee of the SMPTE Video Tape Recording Committee. The glossary sets forth the terms and definitions agreed to by the committee. Suggestions on additions, deletions and modifications should be sent to Alex E. Alden, Staff Engineer, Society Headquarters, as promptly as possible. Groups were published in the June 1970, May 1971 and January 1972 issues of the *Journal*. The committee is continuing to develop additional terms in this field and they will be published as accord is reached.

Cinching. Cinching is the tangential slippage between tape layers occurring when a loosely-wound reel of tape is subjected to high rotational acceleration or deceleration. This interlayer slippage results in physical distortion of the tape, manifesting itself as a series of buckles, creases or folds in the areas that have slipped.

Guard Band. The space between adjacent recorded tracks.

Helical Scan. A method of video magnetic tape recording which uses one or more rotating video magnetic heads which

engage a tape wrapped at least partially around a cylindrical column. The tape path describes a portion of a helix. The recorded video tracks lie at an angle substantially less than 45° with respect to the length of the tape. Usually, one complete television field is recorded as one head passes across the width of the tape.

Oxide Shedding. The loss of oxide particles from the binder system during normal tape usage ultimately resulting in degradation of output signal level uniformity and increased dropout activity.

Quadrature. The geometric relationship among the four magnetic heads mounted on the head wheel of a quadruplex recorder. Ideally, the heads are precisely 90° apart.

Slant Track. The preferred term is Helical Scan.

Tape Curvature. The maximum deviation of either tape edge from a 48-inch straightedge when a sufficient length of tape is allowed to lie in a horizontal plane parallel to the straightedge under zero tension. (Refer to ANSI C98.1-1963.)

Windowing. The preferred term is Cinching.

standards and recommended practices

Approved American National Standard

On May 10, 1972, the American National Standards Institute approved American National Standard Dimensions for Photographic Sound Record on Super 8 Motion-Picture Prints, PH22.182-1972.

Inasmuch as compliance with American National Standards is purely voluntary, this standard will become truly effective when broad publicity is given to its existence. ANSI and SMPTE would appreciate any personal influence to promote the use of this standard where such action is appropriate. Copies of the standard may be obtained for a nominal fee from the American National Standards Institute, 1430 Broadway, New York, NY 10018.

Approved SMPTE Recommended Practice

On April 30, 1972, the Society's Board of Governors approved SMPTE Recommended Practice RP 45-1972, Use and Care of Sound Test Films. The document describes the proper care and methods of using sound test films and should be of interest to any person who uses any type of test film. Copies of the recommended practice may be obtained from Society Headquarters.

Proposed SMPTE Recommended Practice

A proposed SMPTE Recommended Practice is published for a trial period and public review. RP 48, Lubrication of 16 and 8 mm Motion-Picture Prints, points out that surface treatment of motion-picture prints helps reduce friction and promotes better projection performance. Comments should be addressed to Alex E. Alden, Staff Engineer, at Society Headquarters prior to October 15, 1972. If no adverse criticism is received by that date, the Proposed Recommended Practice will be submitted to the SMPTE Board of Governors for final approval.

International Standard

The International Organization for Standardization (ISO), on March 15, 1972, approved International Standard ISO 1787-1972, Camera Usage of 8 mm Motion-Picture Film Perforated Type S. This standard is in complete agreement with ANSI PH22.156-1968. Copies of the standard are available from the American National Standards Institute, 1430 Broadway, New York, NY 10018. — A.E.A.