

case in which the tape is magnetized perpendicular to the plane of its working surface. Formulas are derived for calculating the losses occasioned by the self-demagnetization of the transverse signal track. A comparison is made of the frequency characteristics of the surface induction for the transverse and linear systems. (S. C. G.)—[Translation of Author's Abstract] V. A. Geranin. *Tekh. Kino i Televideniya*, pp. 47-50, Oct. 1959.

The Conversion of a Single Channel to a Stereophonic Soundtrack

V. M. Ottochek and A. V. Chernochenko. *Tekh. Kino i Televideniya*, pp. 51-7, Oct. 1959.

Calculation of a Correcting Link in the Recording Head Circuit of a Magnetic Recorder

I. G. Minaev. *Tekh. Kino i Televideniya*, pp. 62-3, Nov. 1959.

A Method of Determining the Surface Residual Induction of Magnetic Sound Carriers

Yu. A. Vasilevskiy and A. S. Popova. *Tekh. Kino i Televideniya*, pp. 36-44, Dec. 1959. (in Russian.)

A Single Technology for Magnetic Sound-Recording in the Production and Dubbing of Art Films

Discussion on a single technology for magnetic sound-recording in the production and dubbing of art films has proceeded in a number of articles in *Tekhnika Kino i Televideniya* during 1959. A commission has

been set up by the Ministry of Culture of the Soviet Union (to which the motion-picture industry is responsible) with the task of settling the question of a single system for use through the Soviet studios. The chairman of the commission now puts forward the recommendations. They are based on the use of 35mm magnetic tape at a speed of 456 mm/sec. [18 in/sec], and cover the original recording, methods of editing, transfer to the positive film, and some other points. (S. C. G.)—M. A. Genisaretskii. *Tekh. Kino i Televideniya*, pp. 46-9, 1959.

TELEVISION

Method of Compensating for Uneven Film Movement in [Television] Systems With A Flying-Spot Tube

In apparatus for television transmission or cinematography of television images, departures of the film-transport speed from the average cause a falling-off of the definition of the television image and variation in the mean position of the television raster. The method proposed allows for compensation of the uneven motion of the film with the aid of supplementary vertical displacements of the television raster proportional to the integral of the varying component of tension of a film-speed indicator. (S. C. G.)—[Abridged translation from *Tekh. Kino i Televideniya*] Russian 115, 127. G. V. Braude. Filed July 7, 1956.

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