

Modtaget 20/10

Besvaret /

IMPORTANT

**PERSPECTA**

**STEREOPHONIC SOUND**

September 27, 1954

TECHNICAL BULLETIN NO. 1

PERSPECTA SOUND INC. in cooperation with the Motion Picture Research Council, Inc., has standardized the procedures of recording and reproducing PERSPECTA SOUND tracks.

A new test film, ODS-1 has been made available through the Council to facilitate the adjustment of Perspecta Sound equipment.

This film contains two sound tracks, one on each edge of the film printed head to tail. One track is used to align and adjust the integrator, and the other is to check and adjust the electrical characteristics of the individual channels. An instruction sheet covering the characteristics of the film and the adjustment procedure is furnished with each film.

It is recommended that an ODS-1 be used for the re-adjustment of the integrator, however it is possible to use the P-1 film calibration reel previously supplied, as follows:

- 1) Adjust the integrator in accordance with the manufacturers instructions for the P-1 reel.
- 2) Reduce the optical level to the input of the integrator 4 DB. (This means the input level ahead of the integrator. Do not change pre-amplifier within the integrator.)
- 3) Re-run P-1 test film, but do not make any change in the integrator pre-amplifier output on the first signal.
- 4) Re-adjust the center carrier on the second signal to read 70 on the center carrier meter by means of the center screw driver control.
- 5) Re-adjust the left and right carriers in the same manner as above, using signals 4 and 6.
- 6) Re-set the optical level to the input of the integrator as it was before. (2 above).

- 7) Pictures with Perspecta track should now run with carrier readings about 50, if produced on the new standards. Pictures produced with the old standards should run with carrier readings of about 65.

\*\*\*\*\* SPECIAL NOTE

In some theatres, due to excessive low frequency losses, it may be impossible to obtain readings of 50 with the ODS-1 reel or 70 with the P-1 reel. In those cases AND IN THOSE CASES ONLY, the situation should be corrected on all Fairchild integrators with serial numbers up to 575. (Integrators with higher serial numbers will not require modification) by making the following modifications:

- a) Replace R-24 (2.2K  $\frac{1}{2}$  watt) with a 1K  $\frac{1}{2}$  watt resistor.
- b) Disconnect the green lead to pin #9 on transformer T2 and connect and resolder to pin #10.
- c) Strap pins #8 and #9 on transformer T2 together with a short copper lead to connect the circuit.
- d) Adjust unit in normal manner with either ODS-1 or P-1 Perspecta Sound test films.

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