

Fig. 8. Schematic diagram of scene-change cuing using conducting patches and magnetic pulse-delay system.

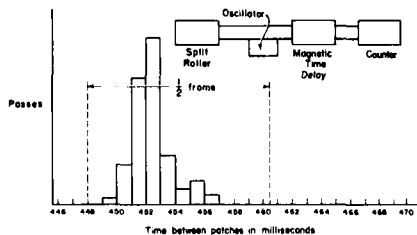


Fig. 9. Variation encountered in measuring the constant interval between patches using the magnetic pulse-delay system.

time-delay mechanism is not needed and the oscillator pulse from the split roller can bypass the magnetic recording head and be fed directly to the Thyatron tube.

The greatest possible printing flexibility can be obtained if the conductive-tape patch, electronic relay, and magnetic time-delay systems are used. Originals that have already been notched with a

nonstandard cue-to-scene-change interval can be printed easily by either recuing with conductive patches or by connecting the time-delay mechanism to the edge-notch roller instead of the split roller. Correct adjustment of the time-delay mechanism then allows normal printing operations to be carried out.

Conclusion

The scene-change-cuing system described provides an extremely flexible method for cuing films to be printed by using either existing edge notches or applied conductive patches. Edge-notched originals can be recued with tape patches and printed on a printer having a split-roller sensing device. The time-delay mechanism makes it possible to print originals that have been edge-notch cued for other printers, thus eliminating the need for edge-notch covering. Tape-patch cues can be easily removed and replaced. The cuing method is simple, accurate, dependable, and above all, inexpensive and safe.

Bibliography

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Discussion

Emmett Salzberg (Circle Film Laboratories): Have you made any studies concerning the maximum film speed at which this system is operable?

Mr. Seemann: No, we haven't. We have been using a printer that operates at 60 feet a minute; we would have to retest any new type of printer that operated more rapidly.

James W. Kaylor (Movielab Film Laboratories): What type of film cleaning did you use? I have made several tests and found that when using carbon tetrachloride, there is a residue of adhesive that squeezes out and picks up lint from the velveteen.

Mr. Seemann: We used a nylon velveteen soaked with Eastman Kodak Film Cleaner and held against the film with a light pressure.

Mr. Kaylor: There were no fibers picked up?

Mr. Seemann: As far as I was able to see there were not.

Carl F. Turvey (U. S. Dept. of Agriculture): Is this tape commercially available?

Mr. Seemann: I believe it is.

Mr. Turvey: Is there any arc created when this tape contacts the split roller?

Mr. Seemann: No, there is not.

Errata

(and Belles-Lettres)

R. D. Chipp, "The Du Mont Telecentre," *Jour. SMPTE*, 65: Oct. 1956.

The titles on Figs. 12 (p. 541) and 13 (p. 542) were interchanged. Figure 12 is "Layout of audio console." Figure 13 is "Typical audio block as used in broadcasting."

In the same paper (p. 540) some credit-due wording went askew. We are nicely set aright by:

Dear Editor:

We fear that the Du Mont Telecentre's half dozen Magnetic Tape Reverberation Units are credited to the wrong manufacturer.

These units are manufactured and sold by the Audio Instrument Company, Inc., not by Audio Devices. We regret that so many organizations use the name Audio — particularly those who are over ten years older than we!

Very truly yours,

AUDIO INSTRUMENT COMPANY, INC.

(Signed) C. J. LeBel