Mark I Editec as installed on the VR-2000B. (A) is Editec Control Panel; (B) is Editec Program Unit; (C) is the Mark III Electronic Editor.

AMPEX

Mark I
Editec* System

for accurate, flexible editing on VR-2000 Series VTR's equipped with the Mark III Electronic Editor . . . color or monochrome . . . with electronic splices positioned to one-frame accuracy

Features

- Unwanted scenes can be selectively replaced at any point in a program tape

- Commercials can be replaced within their precise time period

- Program scenes can be recorded in any order . . . and assembled later, sequentially

- "Beginning" and "end" of scenes can be precisely located, adjusted and previewed (on a one-frame basis) before being recorded on master tape

- Mark I Editec automatically activates a second VTR, telecine or tally light . . . on cue

- Edit points can be spaced close together . . . there are no restrictions on frequency of splices

- Time base errors are less than one microsecond at splices, permitting virtually "jitterless" splicing

- Splicing can be automatically timed to occur at periodic intervals of one frame and up

- Mark I Editec permits animation directly on tape . . . automatically records any preselected number of frames on the end of a previous recording

- Audio splicing is accomplished in time synchronism with video splicing

- New video can be recorded with old audio retained

- Music can be recorded on the audio track, and video splices made to the rhythm of the music

- All editing can be rehearsed many times with minimal effect on the master tape

- Operates on any world television standard

Description

The Mark I Editec system may be added to any VR-2000 Series Videotape Recorder equipped with the Mark III Electronic Editor. An Amtec* compensator improves the system, but is not essential. With the Mark I Editec, a program can be assembled on a scene-by-scene basis into a first generation master tape. Scenes can be recorded in any order that is convenient to the scheduling of personnel, artists or equipment. Each scene can be lengthened or shortened, as required, by merely turning a calibrated dial. The effect of any particular "splice" can be previewed on the monitor as often as desired — *before* the splice is made. In the event a performer fluffs a line, or a similar production error occurs, the action may be reshot again and again. The Mark I Editec system guarantees that every "shot" will be spliced at exactly the same frame on every "take."

Operation

The Mark I Editec system operates by placing marker tone bursts on the cue track of the VTR — and using these markers to electronically gate the recording and monitoring circuits. Rehearsal facilities are made possible by gating the monitor circuits and leaving the recording circuits unactivated. Control and logic circuitry are housed in a 5¼" chassis. This chassis is referred to as the Program Unit and forms the heart of the Editec system. VTR monitoring, recording, erase and servo circuits are electronically switched by the Mark I Editec system. The Program Unit is normally mounted in the bottom portion of a VR-2000 Series VTR. The Mark I Editec Control Panel includes VTR monitor switching functions — and replaces the standard monitor switch panel.

*T.M. AMPEX

Complete systems for closed-circuit and broadcast television

Controls and Functions

Mark I Editec Controls and VTR Monitor Switching Panel

Mode Selector

Permits rehearsal and recording of new video, or new video and audio. Also controls editing functions on other VTR's. Switch positions are:
  RECORD (animation only)
  AUDIO/VIDEO
    (record/rehearse)
  VIDEO ONLY (record/rehearse)
  EXTERNAL (system control of other VTR's, telecine, etc.)
  NORMAL

Cue Button

Records "cues," consisting of short tone bursts, on tape.

Edit/Animate Switch

Controls selection of any nine editing modes or any three animation modes. Switch positions are:
  EDIT: PREVIEW & ERASE
    MANUAL ERASE
    SELECT & ERASE

SELECT CUE
RE-RECORD CUE
CUE SHIFT
REMOTE CUE
PREVIEW
CUE
ANIMATE: ERASE
    AUTOMATIC
    SEQUENCE
    MANUAL START

Remote Cue

Selects outgoing cues for starting remote VTR's or cueing performers on camera. Switch positions are:
  REMOTE & EDIT ADVANCE
  REMOTE & EDIT
  REMOTE
  EDIT ADVANCE
  EDIT
  OFF

Function Switch

Determines the effect of pre-recorded cues in starting or stopping a new recording, or sequencing into and out of an insert. Switch positions are:
  STOP
  SEQUENCE
  START

Cue Select/Record Frame Dial

Permits the precise movement of a recorded cue — and selection of a cue from any number of pre-recorded cues for previewing, movement or erasure. Cues may be shifted ±18 frames. Up to 37 cues may be selected for previewing. This control also allows control over the duration of a recording in the Animation Mode; animation times from 1 to 37 frames may be selected.

Cue Erase Warning Light

This light indicates when the VTR is in **any** cue/erase mode.

Specifications

Time Base Stability:

With Mark I Editec, the ingoing and outgoing splice time-base errors will normally be within the correction range of the Amtec compensator. (Note: Outgoing splice time-base errors are dependent on the stability of the original recording.)

Minimum Splicing Interval:

One frame.

Cues:

Recorded cues are bursts of 4.5kHz (or 1kHz for remote cues) and are gated during both recording and playback to the frame interval.

Cueing Accuracy:

Cues will be recorded to the nearest frame interval after operating the Cue Button. They may be relocated in precise frame incre-

ments. Adjustment range is 18 frames advance or retard, in one frame increments. Infinite range is possible by repetition.

Catalog Numbers:
1212809-02 for VR-2000 model
1212809-03 for VR-2000B model