

The "Perfect Mate" for your Betacam

- Operates camera and light
- Built-in fast charger
- Superior Ni-cad cells
- Genuine leather
- Very affordable



Another of
our complete
systems

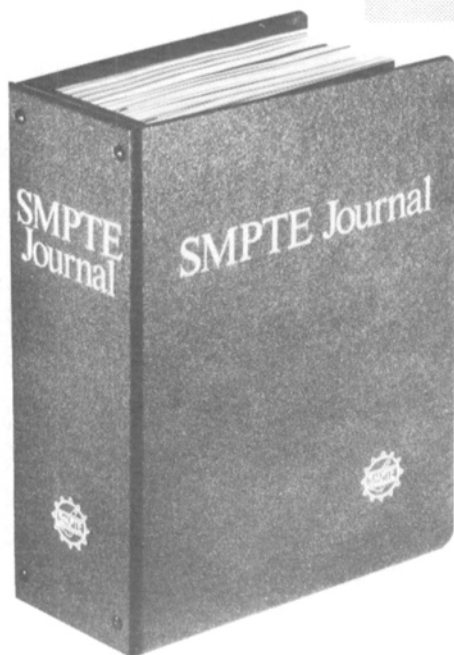
The PE 52-4

See Us At SMPTE, Booth 328

Betacam is a RTM of Sony Corp.

PERROTT ENGINEERING LABS, INC.

7201 Lee Highway, Falls Church, Va. 22046 (703) 532-0700



NEWLY DESIGNED JOURNAL BINDERS

to keep your Journals
easily accessible
and in good order.
This sturdy, handsomely
imprinted rod-binder
holds a year's
issues (12)
plus Directory.

Each issue can be easily bound or detached!

Order these durable, high-quality binders
from SMPTE — Price: \$8.00., plus postage

**SOCIETY OF MOTION PICTURE
AND TELEVISION ENGINEERS**

595 W. Hartsdale Ave., White Plains, N.Y. 10607
(914) 761-1100

1096

Abstracts

Preservation of Autochrome Plates in the Collection of the National Geographic Society, Peter Krause, *Journal of Imaging Science*, 29:182, September/October 1985.

In 1981, the National Geographic Society commissioned a project aimed at developing the data required for specifying optimum storage conditions for a very large and valuable collection of color photographs, including Autochrome plates and films acquired between 1909 and 1938. In the course of this project, over 11,000 additive-type color plates and films were examined. Detailed data was collected on their physical condition and photographic quality, as well as on the type, frequency, and severity of defects and aging blemishes.

The probable causes of these defects have been determined, and accelerated aging tests were carried out to assess the dark and light stability of Autochrome images. Copies were made of a representative assortment of good and poor originals with five color films at four reproduction scales. As a result, the most useful method and formats for producing high-quality copies were established. The paper reviews the information gained during this investigation and the conclusions drawn regarding suitable methods and procedures for preserving Autochrome plates and films.

Video Hard-Copy Output on Color Photographic Film, Haruo Okuda and Shin Ohno, *Journal of Imaging Science*, 29:200, September/October 1985.

Reproducing a TV picture on photographic color film (video hard-copy) represents an image output process in future electronic photography. The paper describes a video hard-copy system using a new CRT printer and photographic color films. The printer consists of a flat-type high-resolution color CRT, a moving lens mechanism, and digital signal-processing functions. After various signal processings, the high-definition video hard-copy of an NTSC standard TV scene was printed on hand-held instant color film.

Erratum

Section Meetings, New England, March 15 listing, August 1986 Journal, p. 834.

The name and company affiliation of the speaker at the New England Section meeting were incorrect in this report. The speaker should have been identified as John F. Allen, HPS-4000™ Sound Systems, Newton Centre, Mass.

SMPTE Journal, October 1986