

# JOURNAL OF THE

# SMPTE



ENGINEERING • SCIENCE • TECHNOLOGY  
FOR MOTION PICTURES • TELEVISION • INSTRUMENTATION • HIGH-SPEED PHOTOGRAPHY

## 733 FILM AND TELEVISION IN SPACE TECHNOLOGY

Introduction • *F. J. Bingley* / The Lunar Orbiter Photographic System • *B. L. Elle, C. S. Heinmiller, P. J. Fromme and A. E. Neumer* / Lunar Orbiter Camera • *H. K. Heen, W. C. Wilson, J. Widmer, D. J. Stone, Jr., and E. E. Boase* / Film Processor-Dryer for Lunar Orbiter Photo System • *J. J. Meyers, D. Endter and R. F. Limoges* / Lunar Orbiter Readout • *A. Jensen, R. J. Whitcomb, R. V. Reinke and D. E. Carson* / Ground Reconstruction of Lunar Orbiter Photography • *R. A. Grammer, Jr., J. F. Stets, B. W. Buttner and H. C. Filbert* / Unit and System Design of a Lunar Operating TV Camera • *Donald T. Heckel* / Vidicons for Space Applications • *R. E. Hoffman*

## 783 Television Studio Video Switching Design for Control and Operating Simplification

• *K. Blair Benson*

## 788 Improvements in Color Television Studio Video System Performance • *Frank Davidoff*

## 792 Improving Automatic Sensitivity Performance in Color TV Film Cameras • *Robert R. Brooks*

## 795 Liquid Cement for Splicing Cronar Polyester Cine Films • *A. Wasy D'Cruz*

## 797 A Wringer-Sling Squeegee for Motion-Picture Film Processing Machines

• *Edward H. Deane and Richard L. McNeary*

## 800 A Three-Axis Micro-Positioning Machine for Cinemicrography of Living Tissues

• *Nydia L. Meyers and Charles L. Schneider*

## 802 Intravital Cinemicrostrob: A Vertical Optical Bench for Epicondenser Reflected Dark Field

Illumination • *Charles L. Schneider, Gracent Eidt and Douglas N. Schneider*

## 806 Résumés — Resumenes — Zusammenfassungen

## 812 Proposed Bylaw Amendments

volume 76 • number 8

**AUGUST 1967**

**CHICAGO**  
**102**  
**SMPTE**

**TECHNICAL CONFERENCE and**  
**EQUIPMENT EXHIBIT**  
September 17-22

**EDGEWATER BEACH HOTEL, CHICAGO**

