

# JOURNAL OF THE



# SMPTE

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

- 81 An Evaluation of Photographic Image Quality and Resolving Power •  
*Otto H. Schade, Sr.*
- 120 A New Optical System and Camera for Color Television • *Hiroshi Nomura*
- 125 Viscous-Layer Processing of Variable-Area Sound Negatives  
• *John F. Finkle and Robert J. Wilson*
- 128 Synthesis and Manipulation of Natural Sounds in Electronic Music for Films  
• *Myron Schaeffer*
- 130 Automatic Picture Transmission TV Camera System for Meteorological Satellites  
• *Rudolf A. Stampfl and William G. Stroud*
- 134 Film-Feed Mechanisms in Narrow-Film Projectors — A Translation  
• *H. Maschgan*
- 138 Résumés — Resumenes — Zusammenfassungen
- 141 Proposed American Standard: PH22.48, Location of Printed Areas in 16mm  
Picture and Sound Contact Printing

95th SMPTE Technical Conference • April 12-17 • Ambassador Hotel, Los Angeles

volume 73 • Number 2

**FEBRUARY 1964**