



FOUNDED 1916

EXECUTIVE

Robert B. Kisor
Editorial Vice-President

LeRoy E. DeMarsh
Chairman/Board of Editors

Frederick C. Motts
Executive Director

JOURNAL STAFF

MaryAnn Frusciante
Managing Editor

Mathew V. Kuriakose
Production/Graphics Supervisor

Dianne Ross Purrier
Assistant Editor

Marilyn Waldman
Editorial/Program Coordinator

ENGINEERING

Carlos V. Girod, Jr.
Director of Engineering

Mark S. Hyman
Staff Engineer

MARKETING

Linda Alexander
Marketing and Communications Manager

Bryan Nella
Marketing Associate

MEETINGS

Ilisha Stier
Meetings Manager

COVER:

Photo provided by SyntheSys Research, Inc. See Paper "Testing Applications in Uncompressed HDTV Signals" by James R. Waschura on page 25

Printed in the USA

SMPTE Journal®

VOL. 109, NO. 1

JANUARY 2000

MESSAGE FROM SMPTE PRESIDENT

Charles Jablonski1

34th Advanced Motion Imaging Conference
San Francisco, CA, February 3-5, 20009

SPECIAL REPORT

141st Technical Conference and Exhibition
November 19-22, New York City13

Keynote Address—Industry Luncheon
Speaker Joerg D. Agin20

TECHNICAL PAPER

Remote Non-Linear Video Editing
Robin S. Rowe23

APPLICATIONS/PRACTICES PAPER

Testing Applications in Uncompressed HDTV Signals
James R. Waschura26

HISTORICAL PAPER

"Managing" the Moving Image—From an Engineering Point of View—Part I
Roland J. Zavada40

SMPTE NEWS AND DEPARTMENTS

Section Meetings56

News58

Calendar60

New Products60

Books, Booklets, Brochures61

Engineering News62

Classified62

Professional Services63

Application for Membership84

Membership Renewal85

Sustaining Member List86

SMPTE Sustaining Membership88

STANDARDS AND RECOMMENDED PRACTICES

Proposed SMPTE Standards65

SMPTE 321M—Data Stream Format for the Exchange of DV-Based Audio, Data and Compressed Video Over a Serial Data Transport Interface
SMPTE 322M—Format for Transmission of Compressed Video, Audio and Data Over a Serial Data Transport Interface

Proposed SMPTE Recommended Practice79

RP 206—Opportunistic Data Flow Control Using Ethernet as a Control Channel in an MPEG-2 Transport Emissions Multiplex

SMPTE Journal (ISSN: 0036-1682) published monthly by the Society of Motion Picture and Television Engineers, 595 West Hartsdale Ave., White Plains, NY 10607. Periodicals postage paid at White Plains, N.Y., and at additional mailing office. Copyright © 2000 by the Society of Motion Picture and Television Engineers, Inc. All rights reserved. Printed in the U.S.A. No part of this issue may be reproduced without written permission of the publisher. Statements and opinions expressed in articles or editorials in the *SMPTE Journal* are expressions of contributors and do not necessarily represent the policies or opinions of the Society. Advertisements appearing in this publication are the sole responsibility of the advertiser. Subscription rates: SMPTE members, \$20.00 included in membership dues; nonmembers, U.S., \$125.00; elsewhere, \$140.00; airmail charge in addition to nonmember rates is \$65.00. Single copy, \$10.00 plus shipping. MEMBERSHIP in SMPTE is available according to qualifications at the following annual dues: Active Member, \$95.00; Student Member, \$25.00. All members receive the *SMPTE Journal* as part of membership.

POSTMASTER: Send change of address to *SMPTE Journal*, 595 West Hartsdale Ave., White Plains, NY 10607-1824.