

Advance Program

This Program contains the most accurate and complete information possible at publication time, listing papers within each individual session. Any questions about specific papers or sessions should be addressed to Society Headquarters, Att: 114th Conference — Janet H. Hruska, Conference Programs Secretary, (914) 472-6606; or *Program Chairman* R. L. Pointer, (212) LT-1-7777, extension 8241, c/o ABC, 57 West 66 St., New York, NY 10023. The Final Program, listing titles of papers, will be available ten days before the Conference from Society Headquarters. The Synopses Booklet will also be available at the Conference.

MONDAY MORNING — October 15

FILM PRODUCTION AROUND THE WORLD WITH LATEST TRENDS IN CHINA AND RUSSIA

A Universal Frame for Motion-Picture Production
Dr. M. Z. Wysotsky, *Mosfilm Studios, Moscow, USSR*
Trends in Motion-Picture Industry Development in the USSR
Prof. V. G. Komar, *NIKFI, Moscow, USSR*

GET-TOGETHER LUNCHEON — Noon

Guest Speaker: Walter A. Fallon, *President and Chief Executive Officer, Eastman Kodak Co., Rochester, N.Y.*

MONDAY AFTERNOON

RECENT DEVELOPMENTS IN FILM-CAMERA EQUIPMENTS FOR TELEVISION AND MOTION PICTURES

Design Features of the Maurer Pro-16 Cinecamera
Roger W. Seymour-Lee, *Maurer Commercial Products, Inc., Long Island City, N.Y.*
The New Frezzolini 16mm Film Camera
J. Crawford, *Frezzolini Electronics, Hawthorne, N.J.*
Color Light Amplification for Film Cameras
M. A. Stern, A. Kaiser, H. W. Mahler, and E. DiBenedetto, *CBS Laboratories, Stamford, Conn.*
The Cinema Products CP-16
E. DiGiulio, *Cinema Products Corp., Los Angeles, Calif.*
Video Rushes for Hand-Held Camera
Jean-Pierre Beauviala, Jean Philippe Carson and Hugues Vermeille, *Cinematographie Aäton, S.A., Grenoble, France*
The New Canon Scoopic Camera
A. Kramer, *Canon U.S.A., Inc., Lake Success, N.Y.*

EXHIBIT OPEN HOUSE — 5:00 p.m.

TUESDAY MORNING — October 16

LABORATORY PRACTICES I

Is Redevelopment of Optical Soundtracks on Color Positive Film Still Required?
K. Staes, L. Hayeh and R. Verbrugghe, *Agfa-Gevaert Mortsel, Belgium*
Automatic Process Control Systems: Part I, Theory
David J. Kelch, *Mead Technology Laboratories, Dayton, Ohio*
Automatic Process Control Systems: Part II, Applications
Keith R. Erb, *Mead Technology Laboratories, Dayton, Ohio*
Nitrate Film Transfer to Safety Film
J. H. Bennett, *United Films Corp., Inc., Tulsa, Okla.*
An Interpretation of the Mythology Surrounding the Selection of a 16mm Color Film Stock for Production Use
Jack Behr and Barry Hampe, *Hamoor Communications, Philadelphia, Pa.*
Electrolytic Silver Recovery From Bleach-Fix Solutions Using High Current-Density Electrolysis
Thomas N. Hendrickson, *Computerized Pollution Abatement Corp., Leicester, N.Y.*

TUESDAY AFTERNOON

LABORATORY PRACTICES II

Scaling Techniques for Picture-Quality Judgements
E. Jackson, *Eastman Kodak Co., Rochester, N.Y.*
Statistical Procedures Applied to Subjective Preferences of Skin-Tone Rendition in Projected Transparencies
Hugh D. Wood, *Eastman Kodak Co., Rochester, N.Y.*
A New Method for Applying Titles and Artwork to a Moving Image Using a Modified Aerial-Image System
Eric T. Amies, *E T A Productions, Vancouver, Wash.*

WEDNESDAY MORNING — October 17

MINI-COMPUTER APPLICATIONS IN TELEVISION

Computerized Election-Display System
Harvey Dubner, *Dubner Associates, New York, N.Y.* and Max Berry, *ABC Television Network, New York, N.Y.*
Computer Applications in Television
Howard A. Shephard, *Central Dynamics, Ltd., Montreal, P.Q., Canada*
Automated Television-Waveform Measurement by Use of General-Purpose Computer
G. A. McKenzie, *Independent Broadcasting Authority, London, England*
Operational Features of Today and Future Automation on ORTF Broadcasting
J. Guillermin, *ORTF, Paris, France*
Synthavision
Nat C. Myers, *Mathematical Applications Group, Inc., Elmsford, N.Y.*

WEDNESDAY AFTERNOON

DIGITAL TECHNIQUES IN TELEVISION I

Digital Techniques in Special-Effects Generation for Television
Albert Busch, *Broadcast Engineering, Sarkes Tarzian, Inc., Bloomington, Indiana*
Digital Frame Storage for Television Video
Scott G. Pursell, *CBS Laboratories, Stamford, Conn.*; and Harold H. Newby, *Air Force Eastern Test Range, Stamford, Conn.*
The Use of Coding Techniques to Reduce the Tape Consumption of Digital Television Recording
J. P. Chambers, *British Broadcasting Corporation, London, England*
Color Recoding a PCM NTSC Television Signal
John P. Rossi, *CBS Laboratories, Stamford, Conn.*
A Novel TV Add-On Data Communication System
Patrick T. King, *Hazeltine Research, Inc., Chicago, Ill.*

WEDNESDAY EVENING

COCKTAIL PARTY, BANQUET AND DANCE — 7:00 p.m.
Cocktail Party courtesy of Fuji Photo Film U.S.A., Inc.



DOCUMENTARY NEWS DYNAMITE

"Feature oriented" to the essence of documentary/newsfilm requirements . . . the "News 16" has caused quite a powerful reaction among the number of "professionals" who now use them in their work. Right at your fingertips are just **the** features needed to capture authenticity and impact in the filming of a documentary/news event.

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Ruggedly built and remarkably easy-to-handle due to its design and weight factors, the camera also provides lens interchangeability (C-mount); built-in automatic power zoom (with manual override); automatic pre-focus control; and automatic/semi-automatic film threading. PLUS . . . a modular construction which permits instant changing of key parts, such as power supplies, lenses, sound modules . . . a real "time saver" since no tools are required.

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THURSDAY MORNING—October 18

DIGITAL TECHNIQUES IN TELEVISION II

An Information-Broadcasting Service Using Data Transmission in the Vertical Interval

G. A. McKenzie and J. L. E. Baldwin, *Independent Broadcasting Authority, London, England*

Future Time-Base Corrector Systems

David E. Acker, *Television Microtime, Inc., Bloomfield, Conn.*

THURSDAY AFTERNOON

THE NEW INTERNATIONAL HELICAL-SCAN TWO-INCH TAPE RECORDER AND OTHER RECENT ADVANCES IN VIDEOTAPE

A Design of a Segmented-Scan Helical Broadcast Recorder
Barrett E. Guisinger, *IVC Corp., Sunnyvale, Calif.*

A Unique Timing-Reference System for Broadcast VTRs
Burt H. Dann, *IVC Corp., Sunnyvale, Calif.*

The Servo System for a Helical Broadcast Recorder
Donald E. Morgan, *IVC Corp., Sunnyvale, Calif.*

Operational and Economic Features of a Segmented-Scan Helical Broadcast VTR

Joseph Roizen, *IVC Corp., Sunnyvale, Calif.*

The New Quad II

To be announced, *RCA Corporation*

Slow-Motion Sheet Videocorder and its Application to a Sports-Clinic System

Nobutoshi Kihara and Yoichi Odagiri, *Sony Corporation of America, Tokyo, Japan*

FRIDAY MORNING—October 19

ADVANCES IN VIDEOTAPE AND EDITING PRACTICES

Film/Tape Experience

Gary W. Jones, *WFAA Productions, Dallas, Tex.*

Automatic Editing System for Videotape

C. Akrich, *ORTF, Paris, France*

Electronic Cinemaphotography

W. G. Connally, *CBS Television Network, New York, N.Y.*

Application of Cassette VTRs in Programing, Editing and Production

E. S. Busby, *Ampex Corp., Redwood City, Calif.*

FRIDAY AFTERNOON

LATEST DEVELOPMENTS IN TELEVISION BROADCASTING EQUIPMENTS AND FACILITIES

New Telecine System

C. Teed, *Marconi, Ltd., Chelmsford, England*

A Portable Compact Color Television Facility and Post-Production Unit

Irving Rosner and Elmer E. Smalling, III, *Rosner Lamb, Inc., New York, N.Y.*

Pre-Programed and Automatic Color Correction for Telecine

D. J. M. Kitson, R. H. Spencer, J. R. Sanders and D. T. Wright, *British Broadcasting Corp., London, England*

Television News Gathering

Joseph A. Flaherty, *CBS Television Network, New York, N.Y.*

The New NHK Hall

Hideo Moriyama, *NHK (Japan Broadcasting Corp.), Tokyo, Japan*

Exhibit Directory

Exhibit Hours

Monday, Oct. 15 5:00-8:00

Tuesday, Oct. 16 11:00-8:00

Wednesday, Oct. 17 9:30-4:00

Thursday, Oct. 18 11:00-6:00

Admission to the Exhibit will be by Registration Badge or Exhibit Pass. Passes may be purchased for \$2.50 each at the Registration Desk.

Angenieux Corp. of America
440 Merrick Rd., Oceanside, NY 11572

Booth 5

Exhibiting: The complete line of Angenieux motion-picture lenses will be displayed on an array of professional motion-picture cameras. The 9.5-57mm, *f*/1.6 zoom lens (close focusing to 24-in. from focal plane with full zoom capability) will be featured as well as an advanced automatic iris system incorporated in both the 12-120mm, *f*/2.2 and 9.5-95mm, *f*/2.2 zoom lenses. The short V30 1-in. viewfinder with a new 16mm camera reticle, allowing the camera operator to see more than the camera aperture will also be exhibited on shoulder-held single system cameras.

Personnel: John Wallace, Bern Levy, Walter David, Paul Foote, Claus Zedler, Jeff Giordano

Arriflex Co. of America **Booths 28, 29**
25-30 Bklyn-Queens Expy. W., Woodside, NY 11377

Exhibiting: Full line of 16 and 35mm motion-picture cameras, including Arri 16BL with new crystal motor. Also, full range of accessories for all Arriflex motion picture cameras. Sonorex 16/16 interlock projectors complete with accessories as well as the Arrivox-Tandberg Sync Sound Recorder will also be on display. A large staff of Arriflex personnel will be available to discuss technical matters.

Personnel: Volker W. Bahnmann, Bruce E. Harris, Victor James, Wolfgang Roessel, Bill Russell

Audio Devices Inc. **Booth 24**
100 Research Dr., Glenbrook, CT 06906

Exhibiting: High output, low noise, magnetic film; standard and low noise magnetic film; high output, low noise, backcoated mastering tape; standard and low noise recording tape; lacquer discs; professional cassettes; broadcast cartridges.

Personnel: T. Gunha, W. Dawson, H. Preston, R. Prescott, H. Aronson, R. Hickey, S. Ferrara, B. Barger, H. Reiss, J. Weiss

Bell & Howell Professional Equipment Div. **Booth 43**
7100 McCormick Rd., Chicago, IL 60645

Exhibiting: Bell & Howell Model "C" automatic additive color continuous contact motion-picture printer with new Frame Count Cuing system, and a wide range of motion-picture laboratory accessories.

Personnel: Al Cims, George Darrell, John Ehrenberg, Fred Gonzalez, Jack Lang, Paul Macaluso, Al Meiche, Gene Moscarel, Dennis Robertson