

Society of Motion Picture & Television Engineers

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MEETING NOTICE



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Charles B. Nairn
Com-Tec, Inc.
559-8755

DETROIT SECTION MEETING

DATE: Tuesday 10 October 1989

TIME: 7:15 P.M.

PLACE: Ford Motor Company World Headquarters
See Map for Parking

SPEAKERS: John Sterbenz, Test Development Engineer
Mel Voegele, High Speed Photographer

SUBJECT: An Automotive Crash Test

We will gather at 7:15 in the parking lot of the Ford World Headquarters and be bused to the Dearborn Test Track for this meeting. It is important to be on time! Late comers will not be admitted.

Each year Ford crash tests around 500 vehicles in a specially constructed 800 foot long enclosed barrier building. Our speaker will present a brief history of crash testing. We will then tour this facility and examine the barrier structures, runways, the high speed cameras, Crash Control Center and the control consoles.

We will view the results of the previous days tests. We will meet and chat with the 63 dummies Ford uses in their tests. In the dummy calibration, lab we inspect the various devices used to assure consistent dummy performance. An actual component calibration will be performed.

The meeting will conclude with an actual crash test!

The meeting should be informative, entertaining and educational as we get a short viewing of just some of the lengths that Ford Motor Company goes to to insure buyers are getting safe cars by crash testing them.

Due to the early meeting time, there will be no managers dinner this month.

14 November: Ampex ACR-25 Library Management
7:30 P.M. System with Bill Carpenter

Guests and Non-Members Welcome

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DATE: Tuesday, 14 November 1989 7:30 P.M.

PLACE: Mercy Center - Gate 4 - Southfield
between Middlebelt and Inkster
approx. 1 mile West of WKBD

SPEAKER: Mr. Bill Carpenter, Ampex Corporation
Manager, New Product Market Development

SUBJECT: Ampex D2 Video Tape Recorder and its
Implementation in the ACR-225 Library
Management System

D2 recorders are quickly finding their way into the machine rooms of production facilities across the country - replacing type C recorders in many cases. Ampex will be showing their D2 to the Detroit SMPTE Section for the first time. Mr. Carpenter will give us a technical overview of the recorder and show us how it is used in their ACR-225 automated playback system.

He will also discuss interfacing D2 machines with other devices in the digital domain.

Ampex will have an equipment exhibit with hands-on demonstrations including their new VPR-300 VTR.

NEXT MEETING will be a tutorial presented by the CBC at Allied Film and Video on 12 December entitled **Component Video - Friend or Foe?**

MANAGERS DINNER will be at 5:30 at Merriweathers, 25485 Telegraph - between 10 and 11 Mile Roads.

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DECEMBER MEETING NOTICE

DATE: 12 December 1989

TIME: 7:30 P.M.

PLACE: Allied Film and Video
7375 Woodward Avenue at Lothrop
(park in Allied's fenced lot across Lothrop)
Detroit, Michigan

SPEAKER: Michael Robin, Senior Technical Officer
Canadian Broadcasting Corporation
Engineering Headquarters
Montreal

SUBJECT: COMPONENT VIDEO - FRIEND OR FOE?

Mr. Michael Robin will provide us with a four part technical tutorial on Component Video.

1} The evening will start with a short review of the NTSC system with emphasis on:

- *Component Signal Sources
- *NTSC Encoding and Decoding
- *Structure of the NTSC signal
- *Distortions encountered with NTSC signals

2} A short review of Component Video with emphasis on:

- *Relevant standards
- *Types of signals used and their characteristics
- *Types of recording equipment and their characteristics

3} Advantages and disadvantages of Component Video vis-a-vis Composite NTSC

4} Practical demonstrations of relationship between Analog Component and Analog Composite Video and familiarization with waveforms and test methods.

Equipment for the meeting is being provided by the Canadian Broadcasting Corporation, Allied Film and Video and Sony Corporation of America.

MANAGERS DINNER will be at 5:30 p.m. at:

What's on Second
6515 Second at Milwaukee
873-1313

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JOINT MEETING WITH ITS

DATE: 17 January 1990 - WEDNESDAY

TIME: 8:00 P.M.

PLACE: Grace & Wild Studios
23689 Industrial Park Drive
Farmington Hills, MI 48024 (see map)

SPEAKER: Rick Cramer, Avid Corporation

SUBJECT: The Avid Macintosh based Offline Audio
and Video Editing System

The Avid is a new nonlinear offline editing system. It is based on a MAC II computer which through specialized hardware and software can store up to three hours of reduced resolution video and two channels of CD quality audio. The video and audio may then be instantly accessed, edited, rearranged, revised, alternative cut or whatever.

After the initial low resolution cut, the Avid can be used with two conventional 3/4" machines to auto assemble and full resolution approval copy and output a CMX compatible edit decision list.

Extensive research into what is required in video editing had been done and features have been incorporated in this system that make it very intuitive and easy to learn.

NEXT MEETING: Fred Remley will bring the section up to date with a report on HDIV followed by a tour of the television facilities incorporated into the Palace of Auburn Hills.

MANAGERS DINNER will be at Mountain Jacks, 24275 Sinacola (Ten Mile Road across from Bill Cook Autos), Farmington Hills, MI. 476-5333

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DATE: 20 February 1990

TIME: 7:30 P.M.

PLACE: Palace of Auburn Hills
3777 Lapeer Road
Auburn Hills, MI 48057
see enclosed map for location & parking
use loading dock entrance

PROGRAM ONE: HDTV/ATV/ENHANCE NTSC

SPEAKER: Fred Remley, Staff Video Specialist,
The University of Michigan

Fred is a longtime member of the Detroit Section, and chairman of the SMPTE Working Group of Advanced Television Production. He will explain the differences between High Definition TV, Advanced TV, and Enhanced NTSC. An HDTV video disc system, based on the 1125, 60-field HDTV system, will be demonstrated and serve as a starting point for a discussion of future TV.

PROGRAM TWO: PISTONS TELEVISION - Behind the Scenes

SPEAKER: Ken Schramm, Production Coordinator,
Palace Television Center

The Pistons home games fed to WKBD, network feeds, music concerts, the Sony video scoreboard - Ken will discuss the many and varied operations of the Palace Television Center. Following his presentation Ken will conduct attendees on a tour of the complete in-house TV production facilities.

At 5:30 preceeding the meeting, there will be a managers dinner in the Palace Grille.

13 March: A presentation by Kodak

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DATE: 13 March 1990

TIME: 7:30 P.M.

PLACE: Kodak District Sales Office
32500 Telegraph Road
Birmingham, MI 48012
(between 13 & 14 Mile Roads)

SPEAKER: Ben Stone, Sales/Engineering Representative,
Eastman Kodak Co.

PROGRAM: The Future of Film in the Era of HDTV

Last month S.M.P.T.E. Fellow Fred Remley, Chairman of the Advanced Television Working Group brought us up to date with his HDTV and ATV report.

This month Ben Stone, a recently relocated S.M.P.T.E. member, will speak on integrating the technologies of motion picture film and HDTV. He will discuss why both technologies can perform in the arena of motion imaging to fully advance the creative possibilities of the industry.

He will also review the new Kodak EXR T-Grain film stocks including the yet to be released 5247.

MANAGERS DINNER will be at 5:30 P.M. at Hogan's Restaurant Telegraph and Maple Roads.

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DATE: 17 April 1990

TIME: 8:00 P.M.

PLACE: WJBK-TV Studios
2 Storer Place
Southfield, MI
(9 Mile Rd. between Southfield and Greenfield)

SPEAKERS: Mark Wronski, General Manager,
Amtel Systems, Inc. (U.S.A.)
Mike Weinstein, Product Support Manager,
Adcom Electronics Limited (Canada)

PROGRAM: A Joint Meeting with ITS

NON-LINEAR EDITING OF PICTURE AND SOUND

Non-linear editing hybridizes the best features of both film and video techniques for assembling picture and sound sequences. Current systems employ a variety of storage media. By evaluating the relative merits of different approaches, the advantage of random access, removable media become evident. The technical and creative challenges for future development are also considered.

Mark Wronski of Amtel will open the meeting with a review of the laser videodisc and how it works. He will then present a paper on the new E-PIX hybrid video and audio editing system.

Mike Weinstein will then demonstrate how the E-PIX Hybrid Editing System works. Features to be demonstrated are: Machine Control, Production Logging System, List Processing, Film Conforming, Video Subsystem and Audio Subsystem.

MANAGERS DINNER will be at Mountain Jacks, 26855 Greenfield at 11 Mile Road in Southfield - 557-0579.

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DATE: May 22, 1990

TIME: 8:00 p.m.

PLACE: PASS/PRO-VISION STUDIOS (LOBBY E)
World Headquarters of Domino's Pizza, Inc.
24 Frank Lloyd Wright Drive, Ann Arbor, MI
(See map attached w/parking information)

SPEAKERS: Bob Phillips, Sales Eng., Roscor/Michigan
Al Dass, Supervisor of CAD/Drafting Dept.
Roscor

PROGRAM: THE USE OF CAD TECHNOLOGY IN SYSTEM DESIGN
AND MAINTENANCE

Computer-aided design provides us with an increased efficiency in project management. From concept to completion, the benefits are extensive. One such benefit is a cable data base for pre-installation planning thru post installation maintenance or modification. The use of CAD technology benefits all concerned by enhancing document consistency, lowering the margin of error and raising the productivity of engineering and installation personnel. The bottom line translates into a reduction in materials and labor costs.

Bob Phillips will open the meeting with a brief discussion of the PASS/PRO-VISION project, and Roscor Corporation's roll in the consultation, design and installation of this facility.

Al Dass will discuss CAD technology and its implementation in system conceptualization, design, installation and maintenance.

A tour of the facility will follow the meeting.

Preceding the meeting there will be a manager's dinner/meeting at:

Churchill's Restaurant

Marriott Hotel - SW corner M23 & Plymouth Rd.
Ann Arbor (Phone 769-9800) Time : 5:30 p.m.

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Results of 1990 SMPTE Detroit Section Elections

Chair: Len Eden

Secy/Treas: Henry Root

Managers: Helge Blucher, Dave Grover, Dick Strauss

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DATE: Tuesday, 19 June 1990

TIME: 8:00 P.M.

PLACE: WXYZ-TV Studios
20777 W. Ten Mile Road
Southfield, MI

SPEAKER: Robin Schwartz, Video Product Marketing Engineer
Leader Instruments Corporation

PROGRAM: Video Test and Measurement Techniques

Electron Beams! Scan Lines! Phase Shift! Electronic Pictures! What does it all mean? Video! How do we test our video signals? What equipment do we use for what?

OK - most of us know about Black Burst and Setup, but just what is the purpose of the Window pattern? What are we supposed to be able to tell from it? Robin Schwartz will present a tutorial on the use of these patterns as well as Color Bars, Multiburst, Sweep and Staircase.

She will continue on to address the use of Waveform Monitors and Vectorscopes; she'll show us how to measure Differential Gain and Phase and explain what SCH Phase is and then show us how to measure it.

The meeting will conclude with a discussion of Component Video and the importance of timing measurements using the new Leader "Shark Fin."

Ms. Schwartz has a B.S.E.E. from Syracuse University and has a background in both analog and digital circuit design.

MANAGERS DINNER: will be at 5:30 P.M. at Steak and Ale, 24666 Northwestern Highway. 353-7448

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