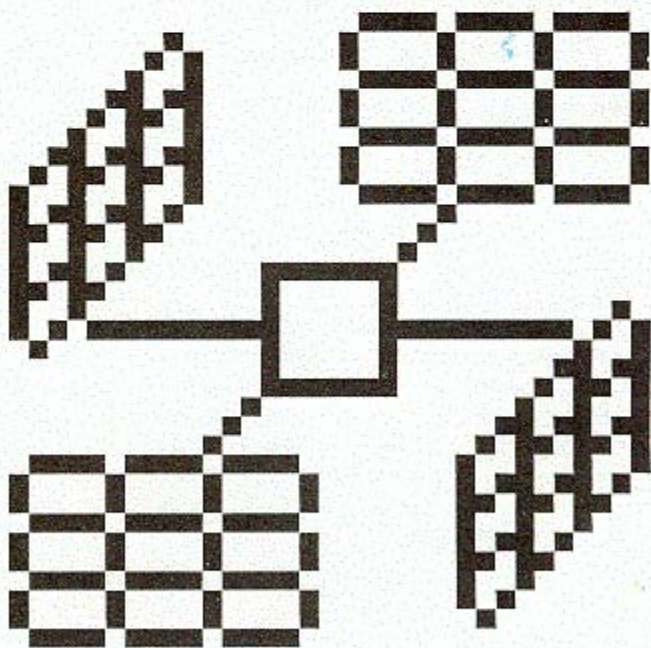


The University of Wisconsin
proudly presents the 36th Annual

BROADCASTERS' CLINIC

November 13-15, 1990
Holiday Inn Southeast
Madison, Wisconsin



Supported in part by
Radio World and TV Technology

REGISTRATION FORM**BROADCASTERS' CLINIC 1990 (0279)**

November 13-15, 1990

I will attend: (Please check)

 Tuesday Wednesday Thursday

Fees: \$100 (Any two days) \$135 (All three days)

Amount enclosed: \$ _____

Soc. Sec. No.: _____

Not mandatory—used to ensure accessibility and accuracy of your educational record.

Name: _____

Title: _____

Organization/station: _____

Business address: _____

streetcity/state/zip

Phone: () _____

area codedaytime number/evening numberMail this form and your check made payable to
UW-Madison, to:Registrations, Wisconsin Center
702 Langdon Street
Madison, WI 53706To register by phone, please call 608/262-7942 or
FAX to 608/262-8516.Voluntary information collected to enhance the program-
ming efforts of University of Wisconsin-Madison.SEX: female male

BIRTHDATE: ___ Month ___ Day ___ Year

HERITAGE: American Indian Asian Black
 Hispanic White or Other**OCCUPATIONAL AREA** 100 Professional, technical and managerial occupations 700 Other occupationsPlease advise us at time of registration if you are handi-
capped and desire special accommodations. Requests are
kept confidential.UW-Madison provides equal opportunities in employment
and programming including Title IX requirements.**BROADCASTERS' CLINIC 1990**Broadcasters' Clinic has long been nationally
acknowledged as the very best regional technical
seminar for the broadcast engineer. This year's array
of speakers is better than ever. Please review the
agenda carefully and, as a motivated broadcast
engineer, make your decision to attend.**TUESDAY, NOVEMBER 13**

7:45 am Registration and Continental Breakfast

9:00 **Broadcast Engineering Sessions**Update of the FAA EMI Program
*George Werl, Jr., Consulting Engineer,
Edina, MN*Advanced Communications for
Broadcasters
*Ameritech*Proposed Changes to the AM Rules
*Don Markley, Consulting Engineer,
Peoria, IL*

Noon Luncheon

HDTV: The US Perspective
*Wayne Luplow, Director of R/D,
Zenith Systems, Glenview, IL*2:00 pm SEDAT: Spectrum Efficient Digital Audio
Transmission Systems
*Scientific Atlanta, Norcross, GA*Using the Global Positioning System
*Garrett Lysiak, President, Owl
Engineering, St. Paul, MN*

And more . . .

3:30 Equipment Exhibits Open
Reception and Cash Bar7:30 **Engineering Forum**
Moderators: Gary Mach and Ken Dixon

WEDNESDAY, NOVEMBER 14

- 7:45 am Registration and Continental Breakfast
- 8:30 **Broadcast Engineering Sessions**
- An Introduction to Light Fiber for Broadcasters
Ralph Evans, P.E., Evans and Associates, Thiensville, WI
- STL/TSL Planning Considerations
Ron Yokes, Todd Communications, Minneapolis, MN
- Basic Considerations in Modern FM Antenna Design
Robert Surette, Shively Labs, Bridgton, ME
- 10:30 **Equipment Exhibits Open**
- Noon Luncheon (on your own)
- 2:30 pm Loudness Problems and Why
Michael Dorrough, President, Dorrough Electronics, Woodland Hills, CA
- AM Stereo Maintenance
George Buchwald, Motorola
- Some Interesting Field Test Results
John Bisset, Multi-Phase Consulting-Delta, Alexandria, VA
- MIDI in Radio Production
Bill Mullin, Pyramid Radio, South Holland, IL
- Field Experiences: Solutions through Measurement Techniques
Mark Persons, Persons Associates, Brainerd, MN
- And more . . .
- 4:30 Reception and Cash Bar
- 7:30 **Pizza-Engineering Forum and "Ask the FCC"**
Moderators: Doug McDonell and Ken Dixon

THURSDAY, NOVEMBER 15

- 7:45 am Coffee
- 8:30 **Broadcast Engineering Sessions**
- Local Area Network Computers for Broadcast Facilities
Chris Cain, Director of Engineering, WISC-TV, Madison, WI
- Transient Protection Systems
Bogdan Klobassa, Northern Technology, Spokane, WA
- Defining the North American Standard for Digital Audio for Broadcasting and an Update on Compatible HDTV
A. James Ebel, Consultant, Lincoln, NE
- Noon Luncheon
- 2:00 pm Broadcast Audio of the Future and HDTV: Video and Audio Considerations
Tom Keller, Broadcast Technology Partners, Bloomfield Hills, MI
- On the Cutting Edge of Technology
George Uibell, Abekas Video Systems, Redwood City, CA
- Video Cart—Systems Management
Rick Swiers, Sony Broadcast
- Digital Routing and Switching
Steven Vigneaux, Sony Broadcast
- ???? Adjournment . . . see you next year!

GENERAL INFORMATION

DATES

Tuesday through Thursday, November 13-15, 1990

LOCATION

All sessions of the **Broadcasters' Clinic 1990** are held at the Holiday Inn Southeast, Highway 12 and 18 at I-90, Madison, Wisconsin 53704. Phone 608/222-9121.

FEE

\$100 - Any two days

\$135 - All three days

Fee covers program materials, continental breakfasts and luncheons as indicated, refreshment breaks, the Pizza-Engineering forum, and two evening receptions with hot hors d'oeuvres (cash bar).

You are entitled to an 80% refund if cancellations are received prior to November 2, 1990. Enrollees who do not cancel are obligated for the full fee. Substitutions may be made at any time.

ACCOMMODATIONS

Please make your own room reservations with the Holiday Inn Southeast, Highway 12 and 18 at I-90, Madison, Wisconsin 53704. Phone 608/222-9121. We suggest that you make your reservations before October 26, 1990, while discounted rooms are being held for the seminar. Please specify that you are attending the **Broadcasters' Clinic 1990**.

CREDIT

Conference enrollees can earn up to 2.1 Continuing Education Units (CEUs) from the University of Wisconsin.

INFORMATION

For further conference or exhibitor information, contact Don Borchert, Director of Engineering, WHA Radio and Television, 821 University Avenue, Madison, Wisconsin 53706. Phone 608/263-2157.

This program is offered through a partnership between UW-Madison and UW-Extension.

1990 PROGRAM COMMITTEE

Don Borchert, University of Wisconsin-Madison
John Brimrose, Capitol Broadcasting, Raleigh, NC
Ken Dixon, WHA Television, Madison, WI
Mark Durenberger, Broadcast Consultant, Minneapolis, MN
John Freberg, WXRT Radio, Chicago, IL
Vern Killion, KRVN, Lexington, NE
Wil Koeller, WTMJ, Inc., Milwaukee, WI
Garrett Lysiak, Broadcast Consultant, St. Paul, MN
Gary Mach, University of Wisconsin-Green Bay
Doug McDonell, Broadcast Consultant, Madison, WI

Among the many exhibitors at the **BROADCASTERS' CLINIC 1990** will be the following:

A & D CART REBUILDINGS
AMPEREX/PHILIPS
AMPEX CORPORATION
ANDREW CORPORATION
ATI-AUDIO TECHNOLOGIES, INC.
AUDIO PRECISION-DOUGLAS ORDON, INC.
BARCO INDUSTRIES
BROADCAST COMMUNICATIONS
BROADCAST ELECTRONICS
BROADCASTERS GENERAL STORE
BTS-BROADCAST TELEVISION SYSTEMS
ELECTRONIC INDUSTRIES, INC.
EMMONS ASSOCIATES, INC.
FULL COMPASS SYSTEMS
GEPSCO INTERNATIONAL, INC.
HY JAMES, INC.
LDL COMMUNICATIONS
MICROWAVE RADIO CORPORATION
PANASONIC BROADCAST SYSTEMS
RADIATION SYSTEMS/MARK ANTENNA
DIVISION
RAM BROADCAST SYSTEMS
RMP-MC BRIDE
ROSCOR WISCONSIN
SKYLINE COMMUNICATIONS LTD.
TODD COMMUNICATIONS
VIDEO IMAGES, INC.

— AND MORE —