

The University of Wisconsin
proudly presents the 37th Annual

BROADCASTERS CLINIC

November 6-8, 1991
Holiday Inn Southeast
Madison, Wisconsin



Supported in part by
Radio World and TV Technology

REGISTRATION FORM
BROADCASTERS CLINIC 1991 (0276) W
November 6-8, 1991

I will attend: (Please check)

Wednesday Thursday Friday

Fees: \$115 (Any two days) \$150 (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: _____

street

city/state/zip

Phone: () _____
area code daytime number/evening number

Mail this form and your check made payable to
UW-Madison, to:

Registrations, Wisconsin Center
702 Langdon Street
Madison, WI 53706

To register by phone, please call 608/262-2451 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 occupations

Please 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 1991

The numbers of technical people employed in the
broadcast industry continues to decline at a time
when there are more broadcasting facilities. What
does this mean? On the surface, it may mean better
opportunities—but for fewer people. What can you
do to **PROTECT YOUR FUTURE**? You must con-
tinue to **REMAIN TECHNICALLY COMPETENT!**

BROADCASTERS CLINIC can help! For the past
37 years, the purpose of Broadcasters Clinic has been
to help you cope with the new technologies and to
present an overview of industry trends. Plus, you
participate in technical forums and exchange experi-
ence and information with your peers. All this and
equipment exhibits too!

WEDNESDAY, NOVEMBER 6

7:45 Registration and Continental Breakfast

9:00 **Broadcast Engineering Sessions**

The Shoreview 8 Station Installation—
An Overview

*George Werl, Jr., Consulting Engineer,
St. Paul, MN*

Cable and Circuit Management

*Rick Cabalka, ADC Telecommunications,
Minneapolis, MN*

Cost Effective Approach to Solid State
FM Transmitters

Jorgen Jensen, NAUTEL, Tantallon, Nova Scotia

Halo Ground: From Heaven to Earth

Kenneth Drake, Madison Cellular, Madison, WI

Noon Luncheon

CCD Camera Technology

Bill Fleming, Sony Broadcast

2:00 The New AM Rules—ANSI—EIA—TIA—
RS-222E

*Donald L. Markley, DL Markely & Associates,
Peoria, IL*

Musicam and the World of Audio
Compression
*Dr. Larry Hindericks, Corporate Computer
Systems, Holmdel, NJ*

Analog Versus Digital FM Transmission
Systems
*Robert Surette, Shively Laboratories,
Bridgeton, ME*

4:00 **Equipment Exhibits Open**
Reception and Cash Bar

7:30 **Engineering Forum**
Moderators: Gary Mach and Ken Dixon

THURSDAY, NOVEMBER 7

7:45 Registration and Continental Breakfast

8:30 **Broadcast Engineering Sessions**
Digital and Analog High Quality Audio
Processing—What It Will/Will Not Do
Bill Ammons, CRL Systems, Tempe, AZ

An Economical Replacement for the
Audio Cart Machine
*Scot Martin, Fidelipac Corporation,
Moorestown, NJ*

10:30 **Equipment Exhibits Open**

Noon Luncheon (on your own)

2:30 Solving the Problems of Open Microphones
John Tatoes, Shure Brothers, Evanston, IL

The Differences Between Transmitted Audio
and the Capabilities of the Human Ear
*Michael Dorrough, Dorrough Electronics,
Woodland Hills, CA*

Does Anyone Know How to Tune AM & FM
Transmitters?
*Mark Persons, Persons and Associates,
Brainerd, MN*

Solid State FM Transmitters
Harris Corporation, Quincy, IL

DAT's Enough and Digital Audio
Gareth Nelson, Sony Corporation

The Shape of Digital Audio Recorders
*Tim Valley and Bob Schellenberg
Macromedia, Northfield, MN*

5:00 Reception and Cash Bar

7:30 **Pizza-Engineering Forum and
"Ask the FCC"**
*Moderators: Doug McDonell and
Ken Dixon*

FRIDAY, NOVEMBER 8

7:45 Coffee

8:30 **Broadcast Engineering Sessions**

Considerations in the Design of High
Efficiency UHF Transmitters with
MSDC/ESC Type Tubes
Harris Corporation, Quincy, IL

D3—The New 1/2-Inch NTSC
Digital Recorder
Phil Livingston, Panasonic Broadcast Systems

Automated Unattended Video Measurements
with the Tektronix VM-700
Mel Infanzon, Tektronix Inc., Beaverton, OR

Automation and Machine Control for the
Broadcast Facility
Robert Odell, Utah Scientific, Salt Lake City, UT

Analog to Digital—An Evolution or Slippery
Slope?
Les Brown, Grass Valley Group, Grass Valley, CA

Noon Luncheon

And More . . .

???? Adjournment . . . see you next year!

GENERAL INFORMATION

DATES

Wednesday through Friday, November 6-8, 1991

LOCATION

All sessions of the **Broadcasters Clinic 1991** are held at the Holiday Inn Southeast, Highway 12 and 18 at I-90, Madison, Wisconsin 53704. Phone 608/222-9121.

FEE

\$115 - Any two days

\$150 - 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 October 30, 1991. 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 15, 1991, while discounted rooms are being held for the seminar. Please specify that you are attending the **Broadcasters Clinic 1991**.

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.

1991 PROGRAM COMMITTEE

Don Borchert, University of Wisconsin-Madison

John Bimrose, Capitol Broadcasting, Raleigh, NC

Ken Dixon, WHA Television, Madison, WI

John Freberg, WXRT Radio, Chicago, IL

Vern Killion, KRVN, Lexington, NE

Wil Koeller, WTMJ, Inc., Milwaukee, WI

Gary Mach, University of Wisconsin-Green Bay

Doug McDonell, Broadcast Consultant, Madison, WI

Among the many exhibitors at the BROADCASTERS CLINIC 1991 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

GEPCO 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 —