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: ___________________________

__________________________  __________________________
street  city/state/zip

Phone: ( ) ___________________________
daytime number/evening number

area code

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 608/262-7942 or FAX to 608/262-8516.

Voluntary information collected to enhance the programming 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 handicapped 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 Bar

7:30  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
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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
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— AND MORE —