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: ____________________________

____________________________________________

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 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 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 continue 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 experience 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
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 Tatooles, Shure Brothers, Evanston, IL

The Differences Between Transmitted Audio and the Capabilities of the Human Ear
Michael Dorough, Dorough 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

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 Infinzon, 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, KRVM, 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
ATT-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 —