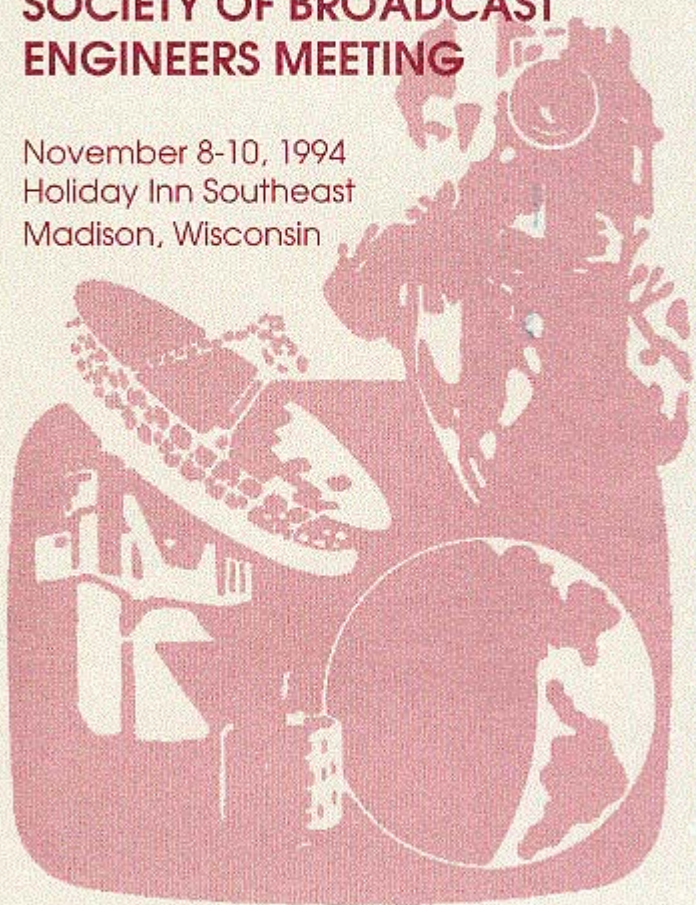

The University of Wisconsin
proudly presents the 40th Annual

BROADCASTERS CLINIC

and

Upper Midwest Regional SOCIETY OF BROADCAST ENGINEERS MEETING

November 8-10, 1994
Holiday Inn Southeast
Madison, Wisconsin



Contributor:
Radio World and TV Technology

BROADCASTERS CLINIC 1994

Today's Broadcast Engineer faces many challenges—dealing with the day-to-day operations of a station, keeping pace with the rapid changes in technology and furthering his or her own professional goals.

In developing the agenda for Broadcasters Clinic 1994, the Program Committee was guided by the following mission. Sessions should address:

- Career development,
- Dealing with today's opportunities,
- Preparing for the future.

We hope you find the program useful and on-target for you.

TUESDAY, NOVEMBER 8

7:45 am Registration and Continental Breakfast

9:15 **Cellular Service for Broadcast**
Steve Terbaar, Systems Engineer
US West New Vector, Minneapolis

10:00 **Case Studies in RFI, Shielding & Grounding**
Dana Myers
Harris Corp. Quincy, IL

11:00 **Top Flight Low Budget Maintenance**
Mike Hendrickson,
Hedberg Broadcasting Group, Blue Earth, MN

Mike Langner, KHEM, Albuquerque

Blaine Webster, WLIT-FM, Chicago

Noon Luncheon address—
**Why Technology Doesn't Matter—
Broadcast Engineering Becomes Media
Technical Support**
Terry Baun, National Vice President
Society of Broadcast Engineers

2:00 pm **FM Subcarriers and Digital Data**
Bill Ammons
CRI, Inc., Tempe, AZ

—continued next panel—

3:00-
5:00 **Digital Audio for Broadcast**
Jeff Andrew, General Manager
USA Digital Radio, Chicago

Dick Becvar, Vice President, Midwest Operations

California Digital Audio Systems, Minneapolis

John Schweitzer, Engineer in Charge
WTMJ Inc., Milwaukee

Mark Durenberger, Director
Technology/Business Development
CBS/Teleport Minnesota, Minneapolis

5-8 pm **Exhibits**

8:00 **Tuesday Wrap-Up**
Mark Durenberger, CBS/Teleport Minnesota,
Steve Brown, WLTE-FM, Minneapolis

WEDNESDAY, NOVEMBER 9

7:45 am Registration and Continental Breakfast

8:30 **Navigating the Aural STL Spectrum —
Plan ahead**
George Werl, Commsulting, Minneapolis

Steve Brown, Director of Engineering
WLTE-FM, Minneapolis

9:15 **Shopping the Information Supermarket**
Mark Durenberger, Director,
Technology/Business Development
CBS/Teleport Minnesota, Minneapolis

10-1:30 **Exhibits**

1:30 pm **Computer Programs for Broadcasting**
Donald L. Markley, Broadcast Consultant
D. L. Markley & Associates, Peoria, IL

2:15 **NRSC Compliance**
Gregg Buchwald, Motorola, Schaumburg, IL

3:15 **NRSC II—Splatter Monitor**
John Bisset, Delta Electronics, Alexandria, VA

4:00 **Selecting and Supervising a Tower Crew**
Jim Wilson, Vice President
LDI Communications, Laurel, MD

7:00 **Wednesday Wrap-Up:
Nuts & Bolts & SBE Meeting**

THURSDAY, NOVEMBER 10

7:45 am Continental Breakfast

8:30 **The Milwaukee Teleport—
RF, Dial-tone, & HDTV Access to the
Information Superhighway**
*Ralph Evans III, Broadcast Consultant
Ralph Evans & Associates, Thiensville, WI*

9:15 **Revolutions in Newsroom Automation**
*Robert Long, Vice President/General Manager
Dynatech NewStar, Madison, WI*

10:00 **High Definition Transmission, Part II**
*John F. X. Browne, Broadcast Consultant
John F. X. Browne Associates,
Bloomfield Hills, MI*

11:00 **First Hi-Power HDTV/NTSC Ready
Antenna System—Maryland ETV**
*Joe Zuba, Sales Manager
Dielectric Communications, Raymond, Maine*

Noon Lunch

1:00 pm **Transmitter Equipment Operation &
Performance During the ATV Tests
in Charlotte, NC**
*Nat S. Ostroff
Mark Aitken
Comark Communications, Colmar PA*

1:45 **Jitter in the Digital Domain**
*Gary Stephens, President
Leitch, Inc., Chesapeake, VA*

2:30 Adjournment

REGISTRATION FORM BROADCASTERS CLINIC 1994 0278W

November 8-10, 1994

I will attend: (Please check)

Tuesday Wednesday Thursday

Fees: \$125 (Any two days) \$160 (All three days)

Amount enclosed: \$ _____

Name: _____

Title: _____

Organization/station: _____

Business address: _____

street

city/state/zip

Phone: () _____

area code

daytime number/evening number

Soc. Sec. No.: _____

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

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 the University of Wisconsin.

SEX: female male

BIRTHDATE: Month Day Year

HERITAGE: American Indian/Alaskan Native
 African American Asian/Pacific Islander
 Hispanic/Latino Caucasian/Other

OCCUPATIONAL AREA

100 Professional, technical and managerial occupations
 700 Other occupations

Please advise us at time of registration if you have a physical
disability and desire accommodations. Requests are kept confidential.

UW-Madison provides equal opportunities in employment and
programming including Title IX requirements.

GENERAL INFORMATION

DATES

Tuesday through Thursday, November 8-10, 1994

LOCATION

All sessions of the **Broadcasters Clinic 1994** are held at the Holiday Inn Southeast, Highway 12 and 18 at I-90, Madison, Wisconsin 53704. Phone 608/222-9121.

FEE

\$125 - Any two days

\$160 - All three days

Fee covers program materials, continental breakfasts and luncheons as indicated, refreshment breaks, and an evening reception with hot hors d'oeuvres (cash bar).

You are entitled to an 80% refund if cancellations are received prior to November 1, 1994. 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 20, 1994, while discounted rooms are being held for the seminar. Please specify that you are attending the **Broadcasters Clinic 1994**.

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, 1955 Oakland Ave., Sun Prairie, Wisconsin 53590. Phone 608/837-3462.

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

1994 PROGRAM COMMITTEE

Don Borchert, University of Wisconsin-Madison
John Bimrose, Capitol Broadcasting, Raleigh, NC
Steve Brown, Microspace, Raleigh, NC
Ken Dixon, WHA Television, Madison, WI
Mark Durenberger, Teleport Minnesota, Minneapolis
John Freberg, WXRT Radio, Chicago, IL
Jim Hermanson, WKOW-TV, Madison
Vern Killion, KRVN, Lexington, NE
Wil Koeller, WTMJ, Inc., Milwaukee, WI
Gary Mach, University of Wisconsin-Green Bay
Blaine Webster, WLIT Radio, Chicago

EXHIBITORS

Among the many exhibitors at the BROADCASTERS CLINIC 1994 will be:

ANDREW CORPORATION
A & D CART REBUILDING SERVICE
THE BLUE FEATHER COMPANY
BROADCAST COMMUNICATIONS SYSTEMS
BROADCAST SUPPLY WEST-EAST SALES
BROADCAST TELEVISION SYSTEMS
BROADCASTERS GENERAL STORE
COMARK COMMUNICATIONS, INC.
CUTTING EDGE TECHNOLOGIES
DIELECTRIC COMMUNICATIONS
DORROUGH ELECTRONICS
DYNATECH COLORGRAPHICS
ELECTRONIC INDUSTRIES, INC.
EMMONS ASSOCIATES, INC.
FUJI PROFESSIONAL PRODUCTS
GEPSCO INTERNATIONAL, INC.
GNG TECHNOLOGY
GORMAN-REDLICH MFG. CO.
GRAYSONICS
HARRIS ALLIED BROADCAST
HARTMANN & ASSOCIATES
LDL COMMUNICATIONS
PANASONIC BROADCAST & TV SYSTEMS
RAM BROADCAST SYSTEMS
RF SYSTEMS INC.
ROSCOR WISCONSIN
SHIVELY LABORATORIES
SKYLINE COMMUNICATIONS LTD.
SOCIETY OF BROADCAST ENGINEERS
SONY CORPORATION OF AMERICA
TEKTRONIX, INC.
TELEPORT MINNESOTA
TFT INC.
VIDEO IMAGES, INC.

— AND MORE —
