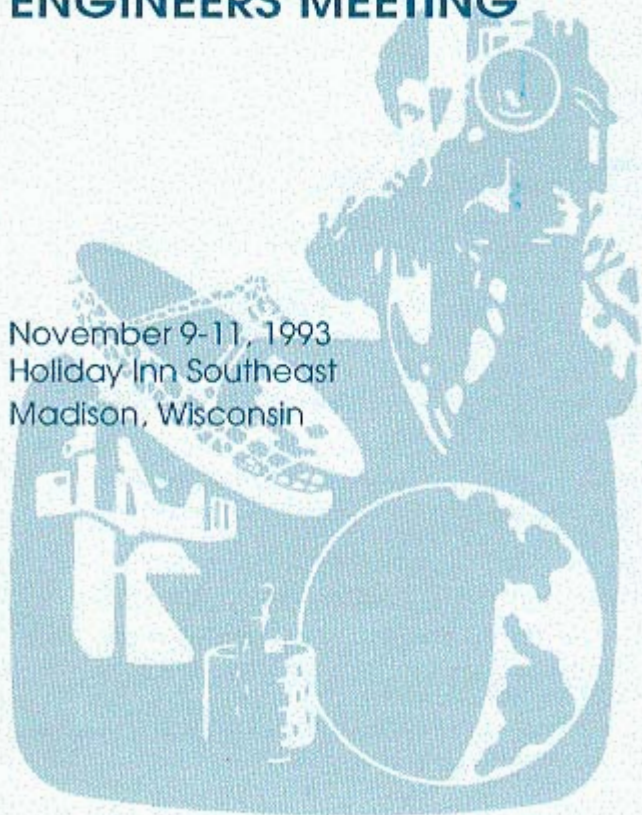

The University of Wisconsin
proudly presents the 39th Annual

BROADCASTERS CLINIC

and

Upper Midwest Regional
**SOCIETY OF BROADCAST
ENGINEERS MEETING**

November 9-11, 1993
Holiday Inn Southeast
Madison, Wisconsin



Supported in part by
Radio World and TV Technology

REGISTRATION FORM**BROADCASTERS CLINIC 1993** (0276) W

November 9-11, 1993

I will attend: (Please check)

 Tuesday Wednesday Thursday

Fees: \$115 (Any two days) \$150 (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 53706To 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. Female Male

BIRTHDATE: Month Day Year

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

OCCUPATIONAL AREA

 100 Professional, technical and managerial occupations 700 Other occupationsIf you have a physical disability and desire special accom-
modations, please advise us when you register. Requests
are confidential.UW-Madison provides equal opportunities in employment
and programming including Title IX requirements.

BROADCASTERS CLINIC 1993An exciting new era ... Broadcasters Clinic welcomes
its association with the Society of Broadcast
Engineers in the common goal of continuing
education for the Broadcast Engineer.**TUESDAY, NOVEMBER 9**

7:45 Registration and Continental Breakfast

9:00 **Broadcast Engineering Sessions****Digital Editing Systems for Radio
& Television Productions***David Goldberg, KORQ-New York***Advancements in Radio Technology***Greg Buchwald, Motorola
Schaumburg, IL***Optical Mini-Disc Update***Gareth Nelson**Sony Professional Products, Itasca, IL*

Noon Luncheon

**Management's Perception of the Engineer:
An Asset or an Anchor?***John Commuta, President
Market-line, Downers Grove, IL*2:00 **Digital Audio via V-SAT***Jeff Andrew,
Gannett Radio, Chicago***Digital Audio Bit Reduction Systems
in Tandem: Is there anything left after you
throw away all those bits?***Herb Squire, Chief Engineer
WQEW & WQXR, New York***DAB Developments***Dave Obergoenner, Chief Engineer
KUSA & KSD-FM, St. Louis*5:00 **Equipment Exhibits Open**
—More than 35 of the top vendors
in our industry—

Reception and Cash Bar

8:00 **Evening Engineering Forum***Moderator:**Don "A Knight in the Doghouse" Markley*

WEDNESDAY, NOVEMBER 10

7:45 Registration and Continental Breakfast

8:30 **Broadcast Engineering Sessions**

Managing Your Consultant
—Creative role-playing, with —

*George Werl, Jr.,
Consulting, Inc., St. Paul*

*Stephen Brown, Chief Engineer
WLTE-FM, Minneapolis*

The Last Mile: Digits to Dial-tone
*Mark Durenberger, Engineering Manager
Teleport Minnesota, Minneapolis*

10:00 **Equipment Exhibits Open**

Noon Luncheon (on your own)

1:30 **TDR—FDR—Line Pulsing—Sweeping**
What is it? What do I need?

*James M. Crooks, President
Broadcast Communications, New Glarus, WI*

Transient Voltage Surge Supression:
Fact or Fiction?

*Jim Harrison, Vice President
Control Concepts—Liebert International Television*

D-HDTV Antenna Considerations &
R F Radiation: A Discussion

*John F.X. Browne, Telecommunications Consultant
Bloomfield Hills, MI*

Tower Regulations & Procedures
—Panel discussion—

*Scott Nordine, P.E.
Pederson Associates*

*Richard Wood, President
Skyline Communications*

*Michael Val Dovinos, P.E.
Dep't of Industry, Labor & Human Relations*

Computer Applications for Broadcast
—Demonstration—

*Mark Persons, President
M.W. Persons & Assoc., Brainerd, MN*

7:00 **Teleconference Meeting:**
Upper Midwest Regional
Society of Broadcast Engineers
—Up-link begins at 7:30—

THURSDAY, NOVEMBER 11

7:45 Continental Breakfast

8:30 **Broadcast Engineering Sessions**

Optimizing Transmitter Designs for
D-HDTV Transmission

*Nat Ostroff, President
Comark, Colmar, PA*

Advanced Television Systems
Richard Strauss, Sony Corp. of America

3db Hybrid Directional Couplers

*Dana Myers,
Harris-Allied Broadcast, Quincy, IL*

D-HDTV Transmission Systems

*Mitchell Montgomery
Harris-Allied Broadcast*

10:45 **Compression Discussion:**
Pressure for Compression

Les Brown, Grass Valley Group

DCT Systems ... The Future

Michael J. Swayne, Ampex Corporation

The 3Cs of Transmission:

Component—Composite—Compression

Phil Livingston, Panasonic

Uplinking—Analog to Digital

*Phil Mikalofsky, Chief Engineer
ECB Satellite Systems*

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

GENERAL INFORMATION

DATES

Tuesday through Thursday, November 9-11, 1993

LOCATION

All sessions of the **Broadcasters Clinic 1993** 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, 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, 1993. 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 22, 1993, while discounted rooms are being held for the seminar. Please specify that you are attending the **Broadcasters Clinic 1993**.

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.



Society of Broadcast
Engineers Upper
Midwest Regional
Conference Presents

ALL-CHAPTER NATIONAL TELECONFERENCE

Wednesday, November 10, 1993
7:30 P.M.

Featured Panelists include:
SBE National President
SBE National Vice-President
SBE Exec. Director—John Poray
SBE Counsel—Chris Imlay

SBE members nationwide are invited to tune in via satellite. Members will have the opportunity to phone in their questions and concerns to the featured panelists.
