
Presenting the 41st Annual

BROADCASTERS CLINIC

and

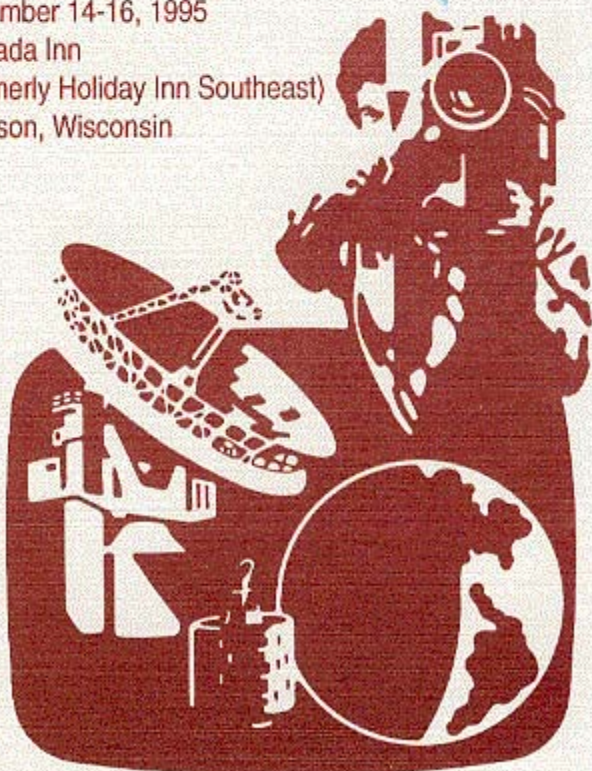
Upper Midwest Regional
SOCIETY OF BROADCAST
ENGINEERS MEETING

November 14-16, 1995

Ramada Inn

(Formerly Holiday Inn Southeast)

Madison, Wisconsin



BROADCASTERS CLINIC 1995

Broadcasters Clinic 1995 begins a new decade for this conference - with the same goals it has had for the past forty years. Among these goals are:

- Career development
- Dealing with today's technologies
- Preparing for the future

Come and share your experiences with us.

TUESDAY, NOVEMBER 14

7:45 a.m.	Registration and Continental Breakfast
9:15	The Changing Face of Broadcast Engineering Terry Baun, Criterion Broadcast Services National President, Society of Broadcast Engineers
10:00	The PC Based Integrated Digital Radio Station David Gerstmann, President WireReady-NSI, Framingham, MA
10:45	Break
11:00	NRSC Compliance Update Greg Buchwald Motorola, Schaumburg, IL
Noon	Luncheon Address - EIA Digital Audio Radio Lab Test Report Tom Keller, Consultant/EIA Ralph Justus, DE EIA Arlington, VA
2:00 p.m.	EIA Digital Audio Radio Lab Test Report (continued)
2:45	Digital Storage Hardware Selection Jim Hauptstack Harris/Allied, Richmond, IN
3:30	Break
3:45	Modern Day Construction of an AM Broadcast Antenna System

Al Warmus, Broadcast Consultant
Al Warmus & Associates

4:30

Equipment Exhibits

7:30

The Madison Candelabra Tower
Chris Cain, Director of Engineering
WISC Television 3, Madison, WI

8:00

Driver's Ed on the Internet
John L. Beck
St. Norbert College, De Pere, WI

WEDNESDAY, NOVEMBER 15

7:45 a.m.	Registration and Continental Breakfast
8:30	Cheap Tricks . . . The Lost Art of Broadcast Equipment Maintenance George Werl and Steve Brown Partners in High Buck Engineering, Englewood, CA
9:15	Computer LANs for Broadcast Eugene Novacek, Enco Systems
10:00	Equipment Exhibits Are Open
1:30 p.m.	Things Your Mother Never Told You Don Markley, President D.L. Markley & Associates, Peoria, IL
2:15	M/S Stereo Microphone Techniques Jack Conners Audio Broadcast Group, Grand Rapids, MI
3:00	Break
3:15	Exploring Alternatives to Pressurizing Transmission Lines Rob Park and Cheryl Riley Litton Commercial Products, Davenport, IA
4:00	Real World Applications of ISDN Technology Robert Raasch Masters Engineering Group Ltd., Big Bend, WI
6:30	Taco Reception

7:30 **Upper Midwest Regional Meeting of the Society of Broadcast Engineers**

8:00 **SBE National Teleconference Regarding the Emergency Alert System**

THURSDAY, NOVEMBER 16

7:45 a.m. Continental Breakfast
8:30 **(PS) 2 - More Than Just A Crowbarless Solution to IOT Protection**
Nat S. Ostroff, President
Comark Communications, Colmar, PA

9:15 **Digital . . . Audio-Video-Timing-Routing-EDH**
Gary Stephens
Leitch Inc., Chesapeake, VA

10:00 Break

10:15 **HD-TV Key Parameters**
Bob Davis, Senior Scientist
Harris Broadcast, Quincy, IL

11:00 **DVCPRO "Eng Systems of the Future"**
Phil Livingston, Assistant GM of Engineering
Panasonic Broadcast Systems, Secaucus, NJ

Noon Luncheon

1:00 **A Single Tube 60 KW UHF Television Transmitter**
Dr. Timothy Hulick
Acrodyne Industries, Blue Bell, PA

1:45 **The All Digital Television Facility**
Craig Beardsley, Advanced Technology Specialist
Sony Business and Professional Products Group

2:30 **Making A Smooth Transition to Disk Based Digital Video Technology**
Larry Sayer
Tektronix Inc., Rolling Meadows, IL

3:30 Adjournment . . . See you at Broadcasters Clinic 1996

REGISTRATION FORM BROADCASTERS CLINIC 1995

November 14-16, 1995

I will attend: (Please check)

Tuesday Wednesday Thursday

Fees: \$130 (Any two days) \$165 (All three days)

Amount enclosed: \$ _____

Name: _____

Title: _____

Organization/Station: _____

Business Address: _____

street

city/state/zip

Phone: () _____

area code

daytime number/evening number

Social Security No.: _____

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

Mail this form and your check made payable to
Broadcasters Clinic:

Don Borchert
1955 Oakland Avenue
Sun Prairie, WI 53590

To register by phone,
please call 608-837-3462 or fax to 608-256-3986.

GENERAL INFORMATION

DATES

Tuesday through Thursday, November 14-16, 1995

LOCATION

All sessions of the **Broadcasters Clinic 1995** are held at the Ramada Inn (formerly the Holiday Inn Southeast), Highway 12 and 18 at I-90, Madison, Wisconsin 53704. Phone 608-222-9121.

FEE

\$130 - Any two days

\$165 - 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, 1995. 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 Ramada Inn, Highway 12 and 18 at I-90, Madison, Wisconsin 53704. Phone 608-222-9121. We suggest that you make your reservations before October 15, 1995, while discounted rooms are being held for the seminar. Please specify that you are attending the **Broadcasters Clinic 1995**.

CREDIT

Continuing Education Units (CEU's) provided by University of Wisconsin Engineering Professional Development.

INFORMATION

For further conference or exhibitor information, contact Don Borchert, 1955 Oakland Avenue, Sun Prairie, Wisconsin 53590. Phone 608-837-3462.

1995 PROGRAM COMMITTEE

Don Borchert, Madison, WI

John Bimrose, Microspace, Raleigh, NC

Craig Bluschke, UW Engineering

Steve Brown, WLTE-CBS Radio Minneapolis, MN

Leonard Charles, WISC-TV, Madison, WI

Ken Dixon, WHA Television, Madison, WI

Mark Durenberger, Teleport Minnesota, Minneapolis, MN

Jim Hermanson, WKOW-TV, Madison, WI

Vern Killion, KRVN Radio, Lexington, NE

Wil Koeller, WTMJ, Inc., Milwaukee, WI

Gary Mach, University of Wisconsin, Green Bay, WI

Blaine Webster, WLIT Radio, Chicago, IL

EXHIBITORS

Among the many exhibitors at the **BROADCASTERS CLINIC 1995** will be:

3M Company
A&D Cartridge Rebuilding
Acrodyne
Andrew Corporation
APT-Audio Pro Technology
Arrakis Systems
Audio Broadcast Group
Avonix Video Systems
Broadcast Communications
Broadcast Television Systems
Broadcasters General Store
Comark Communications
Continental Electronics
Dielectric Communications
Dytec
Electronic Industries, Inc.
Emmons Associates
Fuji Photo Film
G&G Technology
Gorman-Redlich Mfg. Co.
Graysonics, Inc.
Harris/Allied Broadcast
Hartmann & Associates
Leitch
LDL Communications, Inc.
Litton Communications
Midwest Electronic Sales Associates
Odetics Broadcast
Panasonic Broadcast Systems
Radiation Systems, Inc., Mark Antennas Division
Ram Broadcast Systems
RF Systems, Inc.
Richardson Electronics, Inc.
Roscor Wisconsin
Secore Electronics
Shively Labs
Skyline Communications, Ltd.
Society of Broadcast Engineers
Sony Broadcast Systems
Switchcraft
Video Images
Videotek
— And More —
