Presenting the New

BROADCASTERS CLINIC

and

UPPER MIDWEST REGIONAL SOCIETY OF BROADCAST ENGINEERS MEETING

October 15-17, 2002
Marriott West
Madison, Wisconsin
BROADCASTERS CLINIC 2002

— The Program Planning Group

TUESDAY, OCTOBER 15

7:45 a.m.  
**REGISTRATION AND CONTINENTAL BREAKFAST**

9:15  
**Practical Uses of Cat 5/RJ45 for Audio**  
*Dave Baverman, President*  
Radio Systems

10:00  
**Non-Data Applications for Category 6 Cable and Terminating Tutorial**  
*Steve Lampen, Technology Development Manager*  
Belden Wire & Cable  
*Peter Martin, Data-Comm. Specialist*  
Panduit

10:45  
**BREAK**

11:00  
**Mercury VoIP - Take Communications to the Next Level**  
*Mark Wren, President*  
Trilogy BSE NA, Inc. Aventura, FL

Noon  
**LUNCHEON**

2:00 p.m.  
**A Practical FM Antenna for IBOC**  
*Eric Wandel*  
ERI - Electronic Research, Chandler, IN

2:45  
**Tieline Technologies Unique Codecs**  
*Kevin Webb*  
Richardson Technologies

3:30  
**BREAK**

3:45  
**Fifty Years of Broadcasting and Still Learning**  
*Bernard Wise*  
Energy-Onix, Valatie, NY

4:30  
**EQUIPMENT EXHIBITS ARE OPEN** (Everybody is welcome)

7:30  
**Broadcast Engineering on the “Lite” Side**  
*Bernie Wise, Energy-Onix, Valatie, NY*  
*Steve Lampen, Belden Wire & Cable*
WEDNESDAY, OCTOBER 16

7:45 a.m.  REGISTRATION AND CONTINENTAL BREAKFAST

8:30  Dolby E and Dolby Digital in the DTV Broadcast Audio Environment
      Jim Hilson, Senior Broadcast Audio Specialist
      Dolby Laboratories

9:15  Three Phase Power Tutorial for Broadcasters
      Chuck Forester
      Phaser Labs, Oregon, WI

10:00  EQUIPMENT EXHIBITS OPEN (Lunch is available in Exhibit Hall)

1:30 p.m.  R.F. Safety and Monitoring Systems at the Sears Tower - Chicago
            Jeremy Ruck
            DL Markley Associates, Peoria, IL

2:15  IEEE 1394 is it For the Broadcaster?
      Phil Livingston, Vice President
      Panasonic Broadcast

3:00  BREAK

3:15  Future of Tower Lighting
      John York, Vice President Engineering
      H-H Industries, Elmwood, IL

4:00  Datacasting for Fun and Profit
      John Reuter
      Alpha Video, Edina, MN

6:00  RECEPTION

7:00  Upper Midwest Regional Society of Broadcast Engineers Meeting
THURSDAY, OCTOBER 17

7:45 a.m.  REGISTRATION & CONTINENTAL BREAKFAST

8:30  Getting to Air from the Field
   Jim Adams
   Avid Technologies, Madison, WI

9:15  The Importance of TV Broadcast Antenna Tip Deflection and the Impact on Received Signal Quality
   Craig Skarpiak
   Andrew Corporation, Orland Park, IL

10:00  BREAK

10:15  A Real World Subscription Service using Available Capacity on the Digital Broadcast
   Dan Kendall
   iBLAST, Beverly Hills, CA

11:00  High Definition Production
   Bill Fleming
   Sony

Noon  LUNCHEON

1:15 p.m.  Real Life Performance of Dualband Antennas for VHF/UHF Transmissions
   Chris Rogers
   Dielectric Communications, Raymond, MA

2:00  A Super Efficient Five Segment Multi-Stage Depressed Collector (MSDC) IOT
   Steve Bliek
   Northrop Grumman Electron Devices, Williamsport, PA

2:45  New-Multi Channel Combining Network for Digital TV Systems
   Dan Fallon
   Andrew Corporation, Orlando Park, IL

Adjournment . . . THANKS AND SEE YOU NEXT YEAR!
REGISTRATION FORM
BROADCASTERS CLINIC 2002

October 15-17, 2002

I will attend: (Please check)

□ Tuesday       □ Wednesday       □ Thursday

Fees: $155 (Any two days) $180 (All three days)

 Amount enclosed: $__________________________________________

Name: ______________________________________________________

Organization/Station: ________________________________________

Business Address: __________________________________________

___________________________________________________________

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 608-255-2600 or fax to 608-256-3986
or register at www.wi-broadcasters.org
2002 PROGRAM COMMITTEE

Kent Aschenbrenner, WTMJ, Inc., Milwaukee, WI
Don Borchert, Madison, WI
Terry Baun, Criterion Broadcast Services, Milwaukee, WI
Craig Bluschke, UW Engineering
Mark Burg, WLAX-TV, La Crosse, WI
Leonard Charles, WISC-TV, Madison, WI
Ken Dixon, Madison, WI
Cliff Groth, Marathon Media, Fort Atkinson, WI
Vern Killion, KRVN Radio, Lexington, NE
Gary Mach, Green Bay, WI
Kevin Ruppert, WISC-TV, Madison, WI
Art Williams, WBAY-TV, Green Bay, WI

EXHIBITORS

Among the many exhibitors at the BROADCASTERS CLINIC 2002 are:

Acrodyne
Adaptive Broadband
Alcatel
Andrew Corporation
APHEX
Armstrong
BCS Wireless, Inc.
Belden Wire Cable
Broadcast Electronics, Inc.
Broadcast Microwave Services
Broadcast Supply
Broadcasters General Store
Canon
Chyron Corporation
Clark Wire & Cable
Comsat RSI
Continental Electronics
Cortex
Crown Broadcast
Custom Business Systems
Data Media
Dielectric Communications
Discreet Logic USA
ERI-Electronics Research
Evertz
Faroudja Laboratories
Force Incorporated
Fuji USA
Full Compass
Gepco International, Inc.
Gorman Redlich Mfg. Co.
Harris Broadcast
Heartland Video Systems
Hewlett Packard Co.
Ikegami Electronics
Intraplex, Inc.
Joseph Electronics
Kintronic Labs, Inc.
Leader
LeBlanc Broadcast, Inc.
Leitch
Link
Litton Systems, Inc.
Loral Skynet
Media First
Microwave Radio Communications
Midwest Sales
Mohawk, CDT
Norlight Teleport Chicago
NS Microwave
Nucomm
NVision
Odetics Broadcast
Panasonic Broadcast
Philips Broadcast TV
QEI
Ram Broadcast Systems
RF Technology
Raytheon/Switchcraft
Richardson Electronics
Roscor Corporation
Ross Video
Scott Studios
Serial Scene
Shively Labs
Sony Electronics, Inc.
Spencer Technologies
Tektronix
Teranex
Thales Components
Thomcast Communications
Trompeter Electronics
Tron Tek
Utah Scientific
V-Soft
Wave Communications
Weather Central, Inc.
WESCAM
Wick Best

And More . . .
GENERAL INFORMATION

DATES
Tuesday through Thursday, October 15-17, 2002

LOCATION
All sessions of the Broadcasters Clinic 2002 are held at the Marriott-West, Madison, Wisconsin.

FEE
$155 - Any two days
$180 - 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 September 28, 2002. 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 Marriott-West. The hotel telephone number is 608-831-2000. We suggest that you make your reservations before September 13, 2002, while discounted rooms are being held for the seminar. Please specify that you are attending the Broadcasters Clinic 2002.

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.