BROADCASTERS CLINIC
And
UPPER MIDWEST REGIONAL SOCIETY OF BROADCAST ENGINEERS MEETING
October 12-14, 2004
The Marriott West • Madison, Wisconsin
BROADCASTERS CLINIC 2004

TUESDAY, OCTOBER 12

7:45 a.m.  REGISTRATION & CONTINENTAL BREAKFAST

9:15  Virtual Combined Studio Tour
      Tim Wright
      Chicago Clear Channel

10:00  Digital Audio Router and Control
       Al Salci
       SAS (Sierra Automated Systems)

10:45  BREAK

11:00  Ins and Outs of 0's and 1's
       Bill Ghold
       Moseley Associates

Noon  LUNCHEON

1:30 p.m.  IBOC Extended Uses
           Tim Bealor
           Broadcast Electronics

2:15  Split Combining
      Dave Agnew
      Harris Corporation

3:00  BREAK

3:15  Panel Discussion - Real World HD Radio, continued
       Andy Laird - WTMJ
       Tom Ray - WOR

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

7:30  Engineering Nuts & Bolts
       Vern Killion
       Steve Brown
WEDNESDAY, OCTOBER 13

7:45 a.m.  REGISTRATION & CONTINENTAL BREAKFAST

8:30  RF Exposure Field Measurements
      Bob Johnson
      NARDA

9:15  Trade Secrets of a Guy with a Network Analyzer
      Jeremy Ruck
      DL Markley & Associates

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

1:30 p.m.  Advances in Coax, Twisted Pair and Fiber
            Steve Lampen
            Belden Wire & Cable

2:15  Broadcasters Guide to MXF - The NEW File Format for Video and
      Metadata
      John Shike
      Snell & Wilcox

3:00  BREAK

3:15  Fiber for Long Haul Networking
      Doug Alexander
      Charter Business Systems

4:00  Synchronous FM Broadcasting: A New Approach
      Chuck Kelly
      Broadcast Electronics

6:00  RECEPTION

7:00  Upper Midwest Regional Society of Broadcast Engineers Meeting
      Tower Tech Safety
      Winton Wilcox
      Com Train LLC
THURSDAY, OCTOBER 14

7:45 a.m.  Registration & Continental Breakfast

8:30  Next Generation SNG (IP Transmission)
     Darrell Tanno
     Hughes Satellite

9:15  Enhanced VSB & The Latest DTV Receiver Technology
     Wayne Luplow
     Zenith Electronics

10:00  BREAK

10:15  Consumers View of DTV
     Joe Tynen
     American TV

11:00  HD and SD SDI Waveform Monitoring and Testing
     Tom Freeman
     Tektronix

Noon  LUNCHEON

1:15 p.m.  P2 It=s All About Partners & Process
           Phil Livingston
           Panasonic Broadcast & Television Systems

2:00  HD and XD Cameras and Imaging
      Billi Fleming
      Sony

2:45  Monitoring High Power DTV Transmission Lines
      William A. DeCormier
      Dielectric Communications

3:30  Digital Antenna System
      Emmis

Adjournment...THANKS AND SEE YOU NEXT YEAR!
REGISTRATION FORM
BROADCASTERS CLINIC 2004
October 12-14, 2004

I will attend: (Please check)

☐ Tuesday  ☐ Wednesday  ☐ Thursday

Fees: $130 (Any two days)  $150 (All three days)

Amount enclosed: $

Name:

Organization/Station:

Business Address: street

city/state/zip

Phone: ( )

Email Address:

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 1-800-236-1922 or fax to 608-256-3986
or register at www.wi-broadcasters.org
2004 PROGRAM COMMITTEE

Kent Aschenbrenner, WTMJ, Inc., Milwaukee, WI
Don Borchert, Madison, WI
Craig Bluschke, UW Engineering
Stephen Brown, WLNE - CBS Radio, Minneapolis, MN
Mark Burg, WLAX-TV, La Crosse, WI
Gordon Carter, WFMT Radio, Chicago, IL
Leonard Charles, WISU-TV, Madison, WI
Greg Daft, Rockford, IL
Ken Dixon, Verona, WI
Cliff Groth, NewRadio Group, Fort Atkinson, WI
Vern Killion, KRVN Radio, Lexington, NE
Vicki Kipp, ECB, Madison
Gary Mach, Green Bay, WI
Kevin Ruppert, WISC-TV, Madison, WI
Tom Smith, WHA-TV, Madison, WI
Art Williams, WBAY-TV, Green Bay, WI

EXHIBITORS

Among the many exhibitors at the BROADCASTERS CLINIC 2004 are:

APT
Acrodyne
AEQ Broadcast
Alpha Audio and Video
Andrew Corporation
APHEX
Armstrong
Audemat - Aztec
Axcera
Belden Wire Cable
Brainard-Nielsen
Broadcast Electronics, Inc.
Broadcast Microwave Services
Broadcast Richardson
Broadcasters General Store
Canon
Chyron Corporation
Clark Wire & Cable
Continental Electronics
Data Media
Dielectric Communications
Discreet Logic USA
Enco Systems
Ensemble Designs
ERI-Electronics Research
Evertz
Fuji Photo
Gepco International, Inc.
Gorman Redlich Mfg. Co.
Harris Broadcast
Heartland Video Systems
Hewlett Packard Co.
Ikegami Electronics
Jampro Antennas
JK Audio
Joseph Electronics
Kathrein
Kintronic Labs, Inc.
Leader
LeBlanc Broadcast, Inc.
Leitch
Link
Loral Skynet
Media First
MidWest Media
Microwave Radio Communications
Midwest Sales
Miranda Technologies
N-Systems (NSI)
Norlight Teleport Chicago
Nucorn
NVision
Panasonic Broadcast
Parkervision
Philips Broadcast TV
QEI
Quantel
Quartz Electronics
Radio Systems
Ram Broadcast Systems
RF Technology
Rhode & Schwarz
Roscor Corporation
Ross Video
Scott Studios
Serial Scene
Snell & Wilcox
Sony Electronics, Inc.
Spencer Technologies
St. Paul Tower
Switchcraft
Tektronix
Teranex
Thales Components
Thomcast Multi-Media
Triveni Digital
Trompeter Electronics
Tron Tek
Utah Scientific
V-Soft
Video Tek
Wave Communications
Weather Central, Inc.
Wirezready
And More ...
GENERAL INFORMATION

DATES
Tuesday through Thursday, October 12-14, 2004

LOCATION
All sessions of the Broadcasters Clinic 2004 are held at the Marriott-West, located at 1313 John Q. Hammons Drive, Madison, WI. Phone number: 608-831-2000.

FEE
$130 - 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). Vegetarian meals can be requested by calling the WBA office at 1-800-236-1922, by October 1, 2004.

You are entitled to an 80% refund if cancellations are received prior to October 1, 2004. 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 15, 2004, while discounted rooms are being held for the seminar. Please specify that you are attending the Broadcasters Clinic 2004. For a list of surrounding hotels, visit: www.sbe24.org.

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 or visit: www.sbe24.org.