BROADCASTERS CLINIC

And

UPPER MIDWEST REGIONAL SOCIETY OF BROADCAST ENGINEERS MEETING

October 11-13, 2005
The Marriott West • Madison, Wisconsin
BROADCASTERS CLINIC 2005
Program Agenda

TUESDAY, OCTOBER 11

8:15 a.m.  REGISTRATION & CONTINENTAL BREAKFAST

9:15  HD Radio – New Monitoring Dynamics
      David Day
      Sequerra

10:00  FM Transmission of the HD Radio Signal Utilizing Adaptive
       Predistortion to Meet the Emissions Mask
       Gary Manteuffel
       Nautel

10:45  BREAK

11:00  High Power FM/IBOC Using A Single Tube Transmitter
       Dan Dickey
       Continental Electronics

Noon  LUNCHEON (Provided for Clinic Attendees)

2:00 p.m.  The Killer App for FM: 5.1 Surround Sound
           Frank Foti
           Telos/Omnia

2:45  Analysis of Interference Caused by AM IBOC
      Greg Buchwald
      Motorola

3:30  BREAK

3:45  HD Radio Panel
      Tom Ray – WOR
      Andy Laird
      Clif Groth

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

7:30  Engineering Nuts & Bolts
      Vern Killion
      Steve Brown
WEDNESDAY, OCTOBER 12

8:00 a.m.  REGISTRATION & CONTINENTAL BREAKFAST

8:30  Broadcast Electronics 4MX50 Transmitter
      Jerry Westberg, Senior AM Design Engineer
      Broadcast Electronics

9:15  Full Facility Audio and Control Integration in a Modern Console/
      Router System
      Frank Grundstein
      Logitek Electronic Systems

10:00  EQUIPMENT EXHIBITS OPEN (Lunch provided in Exhibit Hall for
       Clinic Attendees - Ticket Required.) *

1:30 p.m.  10gigabit Networking for Audio and Video
            Steve Lampen
            Belden Electronics

2:15  Introduction to IP Networking
      inacom Information Systems

3:00  BREAK

3:15  The Workbench
      John Bisset
      Radio World and Broadcast Electronics

4:00  Terminating Fiber Optic Cable, It’s Not as Hard as You Think:
      A Hands-On Experience
      Bob Sebesto
      Belden Electronics

6:00  RECEPTION

7:00  Upper Midwest Regional Society of Broadcast Engineers Meeting
      - “Planning for Power Delivery”
      Annemarie Newman, American Transmission Company, LLC

*Exhibitors may purchase tickets at the Clinic Registration Table
THURSDAY, OCTOBER 13

8:00 a.m.  Registration & Continental Breakfast

8:30  The Mathematics of Reliability
Fred Baumgartner
Leitch Inc.

9:15  A Video Engineers View of Audio Concerns in a High Definition Television Production Facility
Fred Engel
WTTWII/Chicago

10:00  BREAK

10:15  A Case Study in Implementing Multiple Antennas in a Single Aperture
Joe Zuba and Leonard Charles
Dielectric and WISC-TV

11:00  Reality Engineering
Jeremy Ruck
DL Markley & Associates

Noon  LUNCHEON (Provided for Clinic Attendees)

1:15 p.m.  The Critical Need for HD Lens Testing
Larry Thorpe
Cannon Broadcast

2:00  HD Field Acquisition
Bill Fleming
Sony

2:45  Cost Effective Switchable SDHD DVC PRO Field Acquisition
Phil Livingston
Panasonic Broadcast

Adjournment...THANKS AND SEE YOU NEXT YEAR!
REGISTRATION FORM
BROADCASTERS CLINIC 2005
October 11-13, 2005

I will attend: (Please check)
☐ Tuesday       ☐ Wednesday       ☐ Thursday

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

PLEASE FILL OUT COMPLETELY

Amount enclosed: $

Name:

Organization/Station:

Business Address: ___________________________
street

city/state/zip

Phone: (_____)
__________  __________
area code    daytime number/evening number

Email Address: ___________________________

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

Torrie Kennedy
WBA
44 E. Mifflin Street. Ste. 900
Madison, WI 53703

To register by phone,
please call 1-800-236-1922 or fax to 608-256-3986
or register at www.wi-broadcasters.org
2005 PROGRAM COMMITTEE

Kent Aschenbrenner, WTMJ, Inc., Milwaukee, WI
Don Borchert, Madison, WI
Craig Bluschke, UW Engineering
Stephen Brown, WLTE - CBS Radio, Minneapolis, MN
Mark Burg, WLAX-TV, La Crosse, WI
Gordon Carter, Wfmt Radio, Chicago, IL
Leonard Charles, WISC-TV, Madison, WI
Greg Dahl, Rockford, IL
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

EXHIBITORS
Among the many exhibitors at the BROADCASTERS CLINIC 2005 are:

ADC
APT
AVI Pinnacle
Acrodyne
AEQ Broadcast
Alpha Audio and Video
APHEX
Armstrong
Audemat - Aztec
Avid
Axcela
Belden Wire Cable
Broadcast Electronics, Inc.
Broadcast Microwave Services
Broadcast Richardson
Broadcasters General Store
Burk
Calypso
Canon
Chyron Corporation
Clark Wire & Cable
Comrex
Continental Electronics
Crispin
Data Media
Dielectric Communications
Enco Systems
ERI-Electronics Research
Evertz
Fuji Photo
Full Compass
Gepco International, Inc.
Gorman Redlich Mfg. Co.
Harris Broadcast
Heartland Video Systems
Hewlett Packard Co.
Hitachi
Jampa Antennas
Joseph Electronics
Kathrein
Kintronic Labs, Inc.
KLZ
Leader
Larcan
Leitch
Lights by H&H
Lgitek
Loral Skynet
Masstech
MAT
Media First
MidWest Media
Microfirst
Microwave Radio Communications
Miranda Technologies
Moseley
N-Systems (NSI)
Nautel
Nolight Teleport Chicago
Nucomm
NVision
Omneon
Panasonic Broadcast
Parkervision
Pesa
Philips Broadcast TV
QEI
Quantel
Quartz Electronics
Radio Systems
Ram Broadcast Systems
RF Technology
Rhode & Schwarz
Roscocor Corporation
Ross Video
Seachange
Scott Studios
Serial Scene
Sneil & Wilcox
Sony Electronics, Inc.
Spencer Technologies
St. Paul Tower
Sundance
Superior
Switchcraft
Tektronix
Teranex
Thales Components
Thomcast Multi-Media
Triveni Digital
Trumpeeter Electronics
Tron Tek
V-Soft
Video Tek
Wave Communications
Weather Central, Inc.
And More . . .
GENERAL INFORMATION

DATES
Tuesday through Thursday, October 11-13, 2005

LOCATION
All sessions of the Broadcasters Clinic 2005 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 hors d’oeuvres (cash bar). Vegetarian meals can be requested by calling the WBA office at 1-800-236-1922, by October 1, 2005

You are entitled to a full refund if cancellations are received prior to October 1, 2005. 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 10, 2005, while discounted rooms are being held for the seminar. Please specify that you are attending the Broadcasters Clinic 2005. 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.