BROADCASTERS CLINIC

And

UPPER MIDWEST REGIONAL
SOCIETY OF BROADCAST
ENGINEERS MEETING

October 14-16, 2003
The Marriott West • Madison, Wisconsin
TUESDAY, OCTOBER 14

7:45 a.m.  REGISTRATION AND CONTINENTAL BREAKFAST

9:15  Planning For Digital Audio Infrastructure  
     Jay Tyler  
     Wheatstone Corporation, New Bern, NC

10:00  Maintaining Audio Quality in the IBOC Era  
       Simon Factor  
       APT Audio Processing Technology, Los Angeles, CA

10:45  BREAK

11:00  Motorola Symphony Digital Radio Chipset  
       Motorola Semiconductor Products, Austin, TX

Noon  LUNCHEON SPEAKER - Regulatory Update  
      Chris Imlay  
      SBE General Counsel

2:00 p.m.  Teelink Spread Spectrum and the Internet  
            Bernie Wise  
            Energi-Onix, Valatie, NY

2:45  A Planning Guide: Determining the Best IBOC Migration Path for Your AM or FM Station  
      Keith Mullin  
      Harris Broadcast Communications, Mason, OH

3:30  BREAK

3:45  Panel Discussion - Real World HD Radio  
      Gordon Carter, WFMT Moderator  
      Panel - Illinois & Wisconsin HD Broadcasters

4:30  ENGINEERING AWARD  
     Thales Broadcast & Multimedia  
     Southwick, MA

4:45  EQUIPMENT EXHIBITS ARE OPEN (Everybody is Welcome)
6:00 NATIONAL SBE BOARD MEETING (All SBE Members Welcome!)

7:30 The History of Microphones and Microphone Techniques
Greg Silsby
Audio Technica, Stow, OH

WEDNESDAY, OCTOBER 15

7:45 a.m. REGISTRATION AND CONTINENTAL BREAKFAST

8:00 SBE FELLOWS BREAKFAST (SBE Fellows)

8:30 Pocket Recording for Broadcasting Using a PDA
Tom Harle
Harris Broadcasting, Mason, OH

9:15 Evaluating an AM Antenna System for Digital Capability
Ron Rackley
du Treil, Lundin & Rackley, Inc., Sarasota, FL

10:00 EQUIPMENT EXHIBITS OPEN (Complimentary Lunch is available in Exhibit Hall for all Registered Attendees)

1:00 p.m. New Advancements in Microphone Technology
Greg Silsby
Audio Technica, Stow, OH

1:45 Broadcasting in the Rest Of The World: Better, Worse, or Just Different
Chuck Kelly, Director International
Broadcast Electronics, Quincy, IL

2:30 Audio-Video Sync Measurements for Digital Transmission
Vistek Electric, Maplewood, NJ

3:15 New Developments in Coaxial Cable Design
Steve Lampen
Belden Electronics, San Francisco, CA

4:00 SBE MEMBERSHIP MEETING

5:00 NATIONAL SBE AWARDS RECEPTION

6:00 NATIONAL SBE AWARDS BANQUET
Separate Admission Ticket Required
Contact the National SBE Office to Purchase a Ticket (317) 846-9000
THURSDAY, OCTOBER 16

7:45 a.m.  REGISTRATION & CONTINENTAL BREAKFAST

8:30  **DTV Performance Data**

       *Jeremy Ruck*
       DL Markley & Associates, Peoria, IL

9:15  **OET-69, DTV Interference and Coverage**

       *Doug Vernier*
       V-Soft Communications, Cedar Falls, IA

10:00  **BREAK**

10:15  **Cable Carriage of Terrestrial DTV Broadcasts (PSIP)**

       *Gomar Thomas*
       Triveni Digital, Princeton, NJ

11:00  **Casper DTV Receiver Chipset**

       *Robert Rast*
       LINX Electronics, Palatine, II

Noon  **LUNCHEON**

1:15 p.m.  **ATSC Distributed Transmission - Multiple On-Channel Transmitters**

       *Dave Hirshberger*
       Axcera, Lawrence, PA

2:00  **Blue Laser Optical Disk Recorder**

       *Craig Beardsly*
       Sony Electronics, Park Ridge, NJ

2:45  **Routing Systems of the Future**

       *Randy Hall*
       N-Vision, Grass Valley, CA

3:30  **RF Susceptibility of Microphones**

       *Jim Brown*
       Audio Systems Group

Adjournment . . . THANKS AND SEE YOU NEXT YEAR!

   Broadcasters Clinic 2003 dedicated to Wil Koeller
REGISTRATION FORM
BROADCASTERS CLINIC 2003
October 14-16, 2003

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: (____)_________ area code ________
Daytime number/evening number

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 608-255-2600 or fax to 608-256-3986
or register at www.wi-broadcasters.org
2003 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
Ken Dixon, Verona, WI
Cliff Groth, NewRadio Group, Fort Atkinson, WI
Vern Killion, KRVN Radio, Lexington, NE
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 2003 are:

APT
Acrodyne
AEQ Broadcast
Alpha Audio and Video
Andrew Corporation
APHEX
Armstrong
Audemat - Aztec
Axcera
Belden Wire Cable
Brainard-Nielson
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
Nucomm
NVision
Panasonic Broadcast
Pakerview
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.
Wireready
And More...
GENERAL INFORMATION

DATES
Tuesday through Thursday, October 14-16, 2003

LOCATION
All sessions of the Broadcasters Clinic 2003 are held at the Marriott-West, Madison, Wisconsin.

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).

You are entitled to an 80% refund if cancellations are received prior to September 29, 2003. 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 12, 2003, while discounted rooms are being held for the seminar. Please specify that you are attending the Broadcasters Clinic 2003.

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.
The Society of Broadcast Engineers - Madison and The Wisconsin Broadcasters Association Presents A One Day Digital Production Clinic at the Madison Marriott, Tuesday, October 14th, 2003

Vegas Video & Acid Pro
(9:00 a.m.-Noon)
by Michael Bryant
Director of Training and Consulting Sonic Foundry

With VEGAS, Michael will demonstrate how to capture and non-destructively edit digital video on a PC and show users the compositing, multitrack audio and encoding features of this powerful editing software.

With ACID Pro, Michael will demonstrate the Pick, Paint, and Play interface to post score a video and frame accurately add music, sound effects and voice-over to the final production.

Come learn how to turn your PC into a multimedia production studio.

DS Nitris Workshop
(1:30-4:30 p.m.)
by Kane Petersen
Chief Technology Manager Midwest Media Group

This Avid system provides the most comprehensive integration of tools for completing HD and SD projects with Media Composer-style editing.

Symphony advanced color correction, paint, graphics, character generation, advanced 3D compositing, special effects, image treatment, and project management - all within a single consistent interface.

The Avid DS Nitris system offers guaranteed real-time editing and effects - from DV25, to HD video, and up to eight simultaneous streams of uncompressed SD video.

Check out http://www.sbe24.org/WBA-SBE-Shows/Clinic03.asp for complete details.

$45.00 for all day, both sessions. Lunch provided.

Contact the WBA at 608-255-2600/800-236-1922 to register.

See the latest equipment on the vendor exhibit floor following the afternoon session.

Registration Form

Name(s) ________________________________________
Organization __________________________________
Address _______________________________________
Phone ______________________ Email ____________

Please Return to:
Don Borchert
1955 Oakland Avenue
Sun Prairie, WI 53590

Amount Enclosed: ____________