

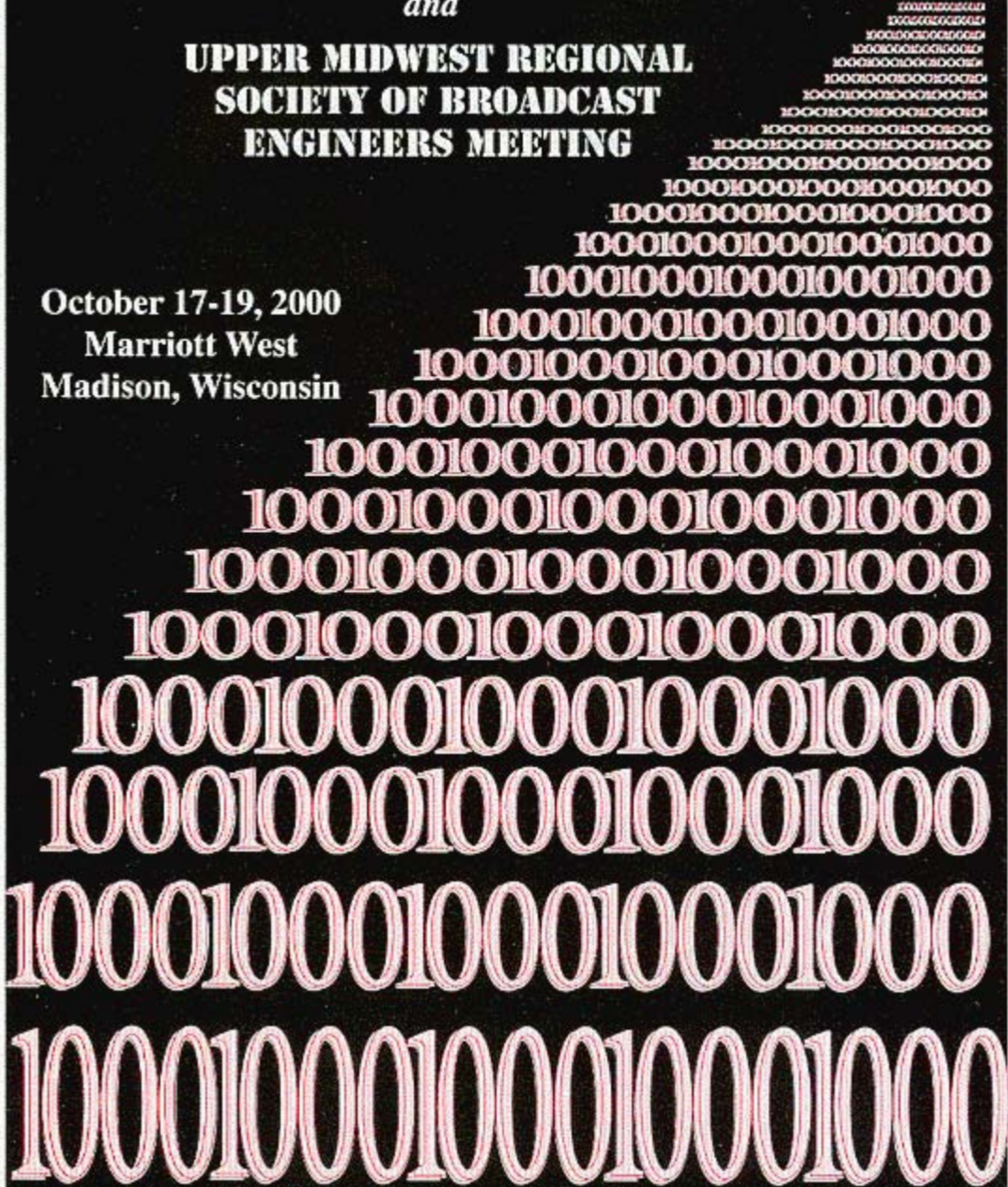
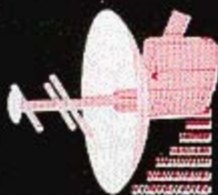
Presenting the New

BROADCASTERS CLINIC

and

UPPER MIDWEST REGIONAL SOCIETY OF BROADCAST ENGINEERS MEETING

October 17-19, 2000
Marriott West
Madison, Wisconsin



BROADCASTERS CLINIC 2000

Have questions since NAB in spring? We hope the CLINIC/SBE this fall provides answers for you . . . Program Planning Group

TUESDAY, OCTOBER 17

- 7:45 a.m. Registration and Continental Breakfast
- 9:15 **Fiber Optics as it Relates to High Speed Internet Technology**
Charles Burger, Consultant
- 10:00 **T1 Technology for Broadcasters — A nuts and bolts approach**
Chris Singleton
Harris Intraplex, Littleton, MA
- 10:45 Break
- 11:00 **LPFM, TRANSLATORS AND IBOC....PERSPECTIVE AND UPDATE**
Ben Evans
Evans Associates, Thiensville, WI
- Noon **Luncheon**
- 2:00 p.m. **Linux for the Broadcaster**
Jay Mielke
Bliss Communications, Janesville, WI
- 2:45 **MP-3 and Linux for Audio Storage and Automation**
Jim Hammond
Scott Studios, Dallas, TX
- 3:30 Break
- 3:45 **POWER — POWER — POWER**
Chuck Forster
Forster Engineering, Oregon, WI
- 4:30 **EQUIPMENT EXHIBITS OPEN** (Everybody is welcome)
- 7:30 **Evening Session . . . Looking Back with Mike Dorrough and Others**
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WEDNESDAY, OCTOBER 18

- 7:45 a.m. Registration and Continental Breakfast
- 8:30 **FM BOOSTERS AND TRANSLATORS —HOW TO CHOOSE**
Jeremy Ruck
D.L. Markley Associates, Peoria, IL
- 9:15 **Advantages of COFDM over Analog RF Transmission in the 2^{Ghz} BAS
ENG Band**
Andrew Larsen
MRC Video/Adaptive Broadband, Woburn, MA
- 10:00 **EQUIPMENT EXHIBITS OPEN** (Lunch is available)
- 1:30 p.m. **How Star Quad Works**
Steve Lampen
Belden Electronics, Richmond, IN
- 2:15 **AES Audio Technology**
Randy Hall
ADC / N VISION, Grass Valley, CA
- 3:00 Break
- 3:15 **PSIP TUTORIAL**
Michael Isnardi
Compression Systems, Sarnoff Corporation
Princeton, NJ
- 6:00 RECEPTION
- 7:00 Upper Midwest Regional Society of Broadcast Engineers Meeting
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THURSDAY, OCTOBER 19

- 7:45 a.m. Continental Breakfast
- 8:30 **On Channel Boosters as Gap Fillers**
Richard Schwartz
ADC Broadcast Systems, McMurray, PA
- 9:15 **The Role of 601 in a Sensible Transition Plan to DTV and HDTV**
Ian Caldwell
Miranda Technologies, St. Laurent, Quebec
- 10:00 Break
- 10:15 **New Generation of High Power IOT Transmitters**
Andy Whiteside
Acrodyne/Sinclair Broadcast Group
- 11:00 **CONSIDERATIONS IN DEFINING DTV SERVICE AND COVERAGE**
John F.X. Browne, P.E.
Browne and Associates, Bloomfield, MI
- Noon **Luncheon**
- 1:15 p.m. **Real World Solutions to Adjacent Channel Combining**
Bob Plonka
Harris Corporation
- 2:00 **MPEG Recording and Networking in a Production Environment**
Craig Beardsley
Sony Broadcast, Park Ridge, NJ
- 2:45 **Computer Networking comes to Television . . . It Ain't Just DVCPRO**
Phil Livingston
Panasonic Broadcast, Secaucus, NJ
- 3:30 **COFDM for DTV**
Nat Ostroff
Sinclair Broadcast
- 4:00 Adjournment . . . THANKS and see you next fall!
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CANON
 APTEX
 LEADER
 DATA MEDIA
 ARMSTRONG
 TECH FOR COMM
 MEDIA FIRST
 CUSTOM BUS SYSTEMS
 WICK WEST
 TERANER
 SERIAL SCENE
 QEL
 WESCAM
 ADD TRALES COMPONENTS
 SCOTT STUDIOS
 WAVE COMMUNICATIONS
 LINK
 COAPEX
 JOSEPH ELECTRONICS
 RF TECH

2000 PROGRAM COMMITTEE

- Don Borchert, Madison, WI
 Terry Baun, Criterion Broadcast Services, Milwaukee, WI
 Craig Bluschke, UW Engineering
 Mark Burg, WLAX-TV, La Crosse, WI
 Chris Cain, Madison, WI
 Leonard Charles, WISC-TV, Madison, WI
 Ken Dixon, WHA Television, Madison, WI
 Cliff Groth, Marathon Media, Fort Atkinson, WI
 Jim Hermanson, WISC-TV, Madison, WI
 Vern Killion, KRVN Radio, Lexington, NE
 Wil Koeller, WTMJ, Inc., Milwaukee, WI
 Gary Mach, University of Wisconsin, 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 2000 are:

- | | | |
|-----------------------------------|-----------------------------------|-----------------------------------|
| Acrodyne ✓ | Faroudja Laboratories | Panasonic Broadcast ✓ |
| Adaptive Broadband | Force Incorporated | Philips Broadcast TV |
| ADC Telecommunications | Fuji USA | Ram Broadcast Systems |
| Alcatel | Full Compass | Raytheon/Switchcraft |
| Andrew Corporation ✓ | Gepeco International, Inc. ✓ | Richardson Electronics ✓ |
| Audio Broadcast Group | Gorman Redlich Mfg. Co. | Rohm Industries, Inc. |
| BCS Wireless, Inc. | Harris Broadcast ✓ | Roscor Corporation |
| Belden Wire Cable ✓ | Heartland Video Systems | Ross Video ✓ |
| Benson Technical Works | Hewlett Packard Co. | Shively Labs |
| Broadcast Electronics, Inc. | Ikegami Electronics | Skyline Communications |
| Broadcast Microwave Services | Innovative Power, Inc. | Sonic Foundry |
| Broadcast Supply | Intraplex, Inc. | Sony Electronics, Inc. |
| Broadcasters General Store ✓ | Kintronic Labs, Inc. | Spencer Technologies |
| Camera Corner | LeBlanc Broadcast, Inc. | Tech Electric Company |
| Chyron Corporation | Leitch | Tektronix |
| Clark Wire & Cable ✓ | Litton Systems, Inc. | Thomcast Communications |
| Comark | Loth Automation | Trompeter Electronics |
| Comsat RSI | Microwave Radio Communications ✓ | Tron Tek ✓ |
| Continental Electronics | Midwest Sales | Utah Scientific |
| Crown Broadcast | Mohawk, CDT | V-Soft |
| Dielectric Communications ✓ | Norlight Teleport Chicago | Video Images, Inc. |
| Discreet Logic USA | NS Microwave | Weather Central, Inc. |
| Dorrrough Electronics | Nucomm | Zack Electronics |
| ERI-Electronics Research ✓ | NVision | |
| Evertz ✓ | Odetics Broadcast | And More . . . |

GENERAL INFORMATION

DATES

Tuesday through Thursday, October 17-19, 2000

LOCATION

All sessions of the Broadcasters Clinic 2000 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 October 2, 2000. 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, 2000, while discounted rooms are being held for the seminar. Please specify that you are attending the **Broadcasters Clinic 2000**.

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.
