

The University of Wisconsin—Extension offers the

# BROADCASTERS CLINIC



—Vitas Communication Hall, UW-Extension

Tuesday, Wednesday and Thursday  
October 13, 14, 15, 1981

University of Wisconsin—Extension  
Communication Programs

*At The Sheraton Inn and Conference Center,  
706 John Nolen Drive, Madison*

## GENERAL INFORMATION

**FEE:** Both days, \$65, single day, \$45, Wednesday dinner, \$9.90, Tuesday, no charge. The registration fee includes all lectures, morning coffee and rolls, luncheons and hors d'oeuvres.

**CREDIT:** A total of 1.3 Continuing Education Units (CEU's) can be earned from UW-Extension by individuals participating in this program. These units are increasingly being accepted as evidence of educational attainment by professional associations.

**LODGING:** Please make your own arrangements with the Sheraton Inn and Conference Center. We suggest making your reservations by September 24, 1981 while discounted rooms are being held for the conference. Please specify that you are attending Broadcasters' Clinic. The address and phone number follow:

Sheraton Inn & Conference Center  
706 John Nolen Drive  
(608) 251-2300

**DEADLINE:** We urge you to send your registration fee prior to October 5, 1981. You may register at the time of the **BROADCASTERS' CLINIC**, but we cannot guarantee lunch and dinner reservations with late reservations.

**FOR MORE INFORMATION:** Please contact Don Borchert, Vilas Communication Hall, UW-Extension, Madison, WI 53706/ (608) 263-2157.

### TAX DEDUCTION FOR EDUCATIONAL EXPENSES

Treasury Regulation 1.162-5 permits an income tax deduction for educational expenses (registration fees, cost of travel, meals and lodging) undertaken to: (1) maintain or improve skills in one's employment or other trade or business, or (2) meet express requirements of an employer or a law imposed as a condition for retention of employment, job status or rate of compensation.

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## REGISTRATION FORM

**BROADCASTERS' CLINIC/October 13-15, 1981**  
82-T-35-2100/253

Social Security Number \_\_\_\_\_  
(Not mandatory—used only to ensure accessibility and accuracy of your educational record.)

Name \_\_\_\_\_

Title \_\_\_\_\_ Organization \_\_\_\_\_  
*station call letters*

Work Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Phone ( \_\_\_\_\_ ) \_\_\_\_\_ / ( \_\_\_\_\_ ) \_\_\_\_\_  
*area code business area code home*

Please indicate which session(s) you plan to attend: Full conference [fee \$65] [ ] /Wednesday only (fee \$45) [ ] /Thursday only (fee \$45) [ ] /Wednesday Dinner (fee \$9.90).

**MAIL THIS FORM TO: BROADCASTERS' CLINIC**, Madison Registration Office, 101 Extension Building, 432 North Lake Street, Madison, WI 53706.

For more registration information call (608) 262-2451.



# BROADCASTERS' CLINIC 1981 AGENDA

## OCTOBER 13

- 11:00 a.m. Registration
- 1:30 p.m. **WELCOME**  
*H. Richard Hiner, Mgr. WHA Television*
- 2:00 **FIRE! FIRE! WTVP PEORIA**  
*Donald L. Markley, Engineering Consultant*
- 2:45 **PROTECTING THE INTEGRITY OF YOUR SIGNAL ON CATV SYSTEMS**  
*Ralph Evans III, Engineering Consultant*
- 3:30 **MIDWEST REGIONAL SOCIETY OF BROADCAST ENGINEERS MEETING**  
All BC attendees welcome . . . members and non-members
- 4:30 **RECEPTION AND EQUIPMENT EXHIBIT**

## OCTOBER 14

- 8:30 a.m. **AUDIO PROOFS . . . PITFALLS AND SOLUTIONS**  
*Dick Johnson, Custom Electronics, Faribault, MN*
- 9:15 **OPTIMIZING PHASOR ADJUSTABILITY**  
*Grant Bingham, Continental Electronics*
- 10:00 Break (Coffee and Rolls)
- 10:30 **VHF MULTI PATH MEASUREMENT TECHNIQUES**  
*Marvin Crouch, Pres. Tennaplex Systems, Ltd.*
- 11:15 **FEDERAL COMMUNICATIONS COMMISSION**  
Washington—Chicago—Saint Paul
- 12:00 noon Luncheon/Speaker: *Jim Loupas, Consultant*
- 2:00 p.m. **PUTTING MA BELL INTO THE REAL WORLD OF RADIO**  
*Mark Durenberger, Special Projects Engr. KSTP St. Paul*
- 2:45 **CHECKING OUT FM AND TV ANTENNAS**  
*Dean Sargent, Engineering Consultant*
- 3:30 **THE COMPOSITE SIGNAL . . . KEY TO QUALITY FM BROADCASTING**  
*Jef Mendenhall, Broadcast Electronics Inc.*
- 4:30 **RECEPTION AND EQUIPMENT EXHIBIT**
- 6:00 Dinner (Optional) (Top Sirloin)
- 7:30 **BROADCAST ENGINEERING FORUM**  
(Nuts and bolts session)  
Moderator: *Stephen Brown, WCCO*

## OCTOBER 15

### 8:30 a.m. Concurrent Sessions

#### Session I

#### HOW TO LIVE ASSIST

*Mark Persons, M. W. Persons Associates*

#### SATELLITE SERVICES FOR RADIO

*Tim Metzger, KSJN/KSJR*

#### FIVE KW SOLID-STATE TRANSMITTER

*Fred Huffman, RCA Broadcast Systems*

#### AUXILIARY POWER SYSTEMS

*Skip Dietrich, Arthur Dietrich Co., Milwaukee*

#### Session II

#### QUALITY ASSURANCE IN BROADCASTING

*John Commuta, KNEI*

#### THE DEVELOPMENT OF A DIGITAL CAMERA

*John O. Ryan, Ampex*

#### RS 170B SCH CERTIFICATION AND GENLOCKING

*Bruce Blair, Lenco*

10:30 Break

11:00 a.m. **THE PEAK PROGRAM METER AND THE VU METER IN BROADCASTING**  
*Hans Schmid, ABC New York*

12:00 noon Luncheon/Speaker: *John Cunningham, Cleveland Institute of Electronics*

2:00 p.m. **ENGINEERING PANEL DISCUSSION**  
*F.C.C. - Consultants*

2:45 **HAWKEYE . . . A QUANTUM LEAP FORWARD**  
*C. Robert Thompson, RCA Broadcast Systems*

3:30 **TVRO FOR RADIO AND TELEVISION**  
*Mark Fehlig, Harris Corporation*

4:15 Adjournment

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#### Your Program Committee:

*Don Borchert, WHA Radio/Television . . . Coordinator*  
*Elmo Reed, Post Corporation . . . Green Bay*  
*Warren Shulz, WFYR . . . Chicago*  
*Ray Hernday, WTMJ . . . Milwaukee*  
*Stephen Brown, WCCO-FM . . . Minneapolis*



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