SECTION COMMITTEES

The By-Laws of the Central Texas Section include provision for a number of standing committees to carry out many of the normal activities of the Section. A brief description of the purpose of these committees follows, including people to contact if you have suggestions or would like additional information:

**The Program Committee** is responsible for arranging programs suitable for section meetings. Currently, Larry Deuser, the Vice-Chairman of the Section serves as Chairman of the Program Committee.

**The Membership Committee** is responsible for developing membership programs including transfers and advancements in grade. James Mercier is chairman of this committee and he can be reached at 512-891-2411 or jmercier@mailgw.dot.state.tx.us

**The Student Activities Committee** is responsible for organizing student activities for the Section including such activities as sponsoring and/or judging various engineering and science contests. Committee members include: Brent Stover (512-891-7453) and Scott Blair (512-458-6260, sbair@ieee.org) in Austin and Albert Lozano (210-522-2718, alozano@swri.org) in San Antonio.

**The Awards Committee** is responsible for organizing all awards to section members including plaques, certificates and nominations for regional and other awards. The chairman of this committee is Scott Atkinson (201-545-4288, s.atkinson@ieee.org)

**The Publicity Committee** ensures that all major Section activities are reported in the Analog Newsletter as well as public media outlets. Maintaining and improving the Section presence on the World Wide Web is currently a high priority of this committee which includes Tina Messerschmidt (tina@dsp.sps.mot.com), Michael Duane (m.duane@ieee.org), and Jim Sweeten (sweeten@io.com).

**The Educational Activities Committee** is responsible for encouraging and arranging short courses, workshops, seminars, and other activities for the benefit of the members and the Engineering community in this area. The Web Page Workshop, scheduled for October 25 in San Antonio, is an example of this activity. Chip Stansbury (512-322-6416, stansbury@electric.austin. tx.us) is Chairman of this committee.

OCTOBER CHAPTER MEETINGS

**CENTRAL TEXAS SECTION MEETING**

*Thursday, October 9, 1997*

**Time:** 6:30 PM – Social (cash bar)
7:00 PM – Dinner ($15. Students $10)
7:30 PM – Program
8:30 PM – Adjourn

**Place:** Holiday Inn Northeast
3855 N. Pan-A. Expressway (at 1-35 Southbound)
San Antonio, TX

**Speaker:** IEEE Distinguished Lecturer
Dr. Richard Doviak
National Severe Storms Laboratory and Professor at the University of Oklahoma
Norman, OK

**Topic:** Doppler Radar and Weather Observations

A group of engineers and atmospheric scientists at the National Severe Storms Laboratory developed the Doppler weather radar to probe the internal structure of severe storms to improve short term predictions and warnings of hazardous weather. This development and research lead to implementing a national network of Doppler radars (NEXRAD). Similar Doppler weather radars are also deployed around airports to detect wind shear hazards to safe flight.

This talk highlights the theory of Doppler weather radar, signal processing, and the research related to the observation and measurement of many of the weather phenomena (tornadoes, solitary waves, microbursts, etc.) using a Doppler weather radar. To relate radar observations to weather events commonly observed by eye, radar data fields are correlated with photographs of the phenomena. Research related to future improvements of the NEXRAD system is included along with Doppler radar detection of wind shear hazards to aircraft.

**Biography:** Richard J. Doviak received his BS degree in Electrical Engineering from Rensselaer Polytechnic Institute (1956); his MSc and PhD degrees from the University of Pennsylvania in 1959 and 1963, respectively. Upon joining the National Severe Storms Laboratory (NSSL) in 1971, Dr. Doviak became Chief of the Doppler Radar Project for the development of the Next generation of weather Radars (NEXRAD). This lead to the deployment of a national network of Doppler weather radars. From 1978 until 1987 he was manager of the Doppler Radar and Storm Electricity Research project. He is presently senior
CTEA CHAPTER MEETING
Wednesday, October 8, 1997

CTEA Chapter meetings fall on the second
Wednesday of each month from September through April. Every meet-
ing features a guest speaker from the
electronics industry. The topic for this
month's meeting is "Component Copla-
narity Impact on Yield."

All meetings will be held at the Holiday
Inn Northwest in Austin, near the
southwest corner of North Mopac and
US Hwy 183 North.

Please contact Keith Vanderlee (512)
984-4542 for more information or if
you would like to present at one of
these meetings.

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SIGNAL PROCESSING/
COMMUNICATIONS SOCIETY
MEETING
Thursday, October 23, 1997

Time: 3:30 PM - Social
7:00 PM - Dinner ($12 mem-
bers/guests, $5 students)
8:00 PM - Program

Place: Tree Tops
New Braunfels, TX

Speaker: Juan Torres & Dewey Clark
Southwestern Bell Telephone

Program: ISDN Services in Central
Texas

The proliferation of multimedia busi-
ess communications and the Internet
are driving the "need for speed." Southwestern Bell will address their
ISDN offerings for Basic Rate and Pri-
mary Rate service in central Texas.
They will also discuss typical applica-
tions including voice/data communica-
tions, video, ANI and channel bond-
ing, and terminal equipment (CPE) re-
quired to take advantage of this tech-
ology.

Biographies: Juan Torres has 17 years
experience in the telecommunications
industry with GTE and Southwestern
Bell Telephone. He is currently a na-
tional account manager for Southwestern
Bell responsible for network prod-
ucts and services and premise equip-
ment. Dewey Clark has 25 years expe-
rience in the telecommunications in-
dustry with Southwestern Bell Tele-
phone. He is currently a systems engi-
extering consultant responsible for de-
sign, development, and implementation
of specialized networks and products.

Directions: From I-35, take the
McQueeny exit (FM 725) and proceed
west on Seguin Street toward down-
town New Braunfels. Enter the circle
downtown and take the first right onto
San Antonio Street. Tree Tops is on the
right just before you reach the bridge.

Reservations: Please call one of
the following by Tuesday, October 21:
Warren Rogers........(830) 885-4411
Cliff Denny.........(210) 456-3919
Scott Atkinson........(210) 456-2101

* * * * * * *

EMC SOCIETY MEETING
Thursday, October 23, 1997

Time: 7:00 PM - Doors Open
7:30 PM - Program

Place: St. Mary's University
One Camino Santa Maria
University Center
Conference Room B
San Antonio, TX

Speaker: Kathleen Broome Williams

Program: Secret Weapon - U.S. High
Frequency Direction Finding
in the Battle of the Atlantic

The war against U-boats in the Atlantic
was won in part by a high-frequency
direction finder - called Huff-Duff or
HF/DF for short - that could pinpoint
the location of radio transmitters. The
electronic device was used extensively
by the Allies to locate German subma-
rines attacking merchant ships in the
Atlantic. The story of HF/DF's devel-
opment and operation in combat by
the U.S. Navy, is a fascinating tale of
determination and success.

Biography: Kathleen Broome Williams
holds an MA from Columbia University
and a PhD in military history from the
City University of New York. She is a
compiler of The Commissioned Sea Offi-
cers of the Royal Navy, 1660-1815, and
a contributor to The Civil War Books of
Lists. Currently, she teaches at CUNY,
and is conducting research into the
role of women in the development of
naval technology.

For further information contact:
Eric Lifsey.............(512) 433-8474
Jim Polonis............(210) 522-2283
mail: jpolonis@swr.org
M. Abdolsalami........(210) 431-2047

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For other CTS group meetings,
contact the appropriate society
chairman or the CTS web site.
UPCOMING NOVEMBER MEETINGS

IEEE CENTRAL TEXAS
SECTION MEETINGS

Mark your calendar for Future Section Programs on the 2nd Thursdays of the month.

- Current and Future EE Employment Opportunities in Austin and San Antonio (two meetings)
- Future of Electric Rates and Competition in Central Texas – a video teleconference!
- PATHFINDER to Mars – How to do more with less
- Additional IEEE Distinguished Lecturers

IEEE CONSULTANTS' NETWORK MEETING

Thursday, November 6 is the date for the next Consultants' Network meeting. The guest speaker will be John Luden. The topic will be "Austin Performance Contracting – Transformation of Austin's Planning, Environmental, and Conservation Department." This meeting will be held at the Red Lion Restaurant in Austin, TX.

WEB PAGE WORKSHOP (Tentative Schedule)

Tentative Date: Saturday, October 25, 1997
Tentative Place: St. Mary's University
Tuition: 850.00
Duration: Two 2-hour sessions with lunch break
Contact: Mehran Abdosalam (210) 431-2047; FAX (210) 431-6895 or Ernest Franke (210) 522-3678; FAX (210) 522-5499

Topics to be covered:

1. The Basics
   - Document Tags
   - Tag
   - Meta Information
   - Headings
   - Paragraph Formatting
   - Character Formatting
   - Miscellanies
2. URLs and Links
   - What is URL
   - Tags Used in URL
3. Tables (60 Minutes)
   - Important Tags
   - Nescape Extensions
   - Internet Explorer Extensions
4. Images
   - Colors in Images
   - Images in HTML Documents
   - Graphics Format
   - Tips and Tricks
5. Design Guidelines
   - Page Design an Layout
   - Navigation
6. Testing Documents
   - Publicizing Your Web Page
   - Generating Traffic
   - Places to Go for More Help

OCTOBER 1997 MEETINGS

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CONSULTANTS' NETWORK MTG (Austin)
SECTION MTG (San Antonio)
SP MTG (New Braunfels)
EMC MTG (San Antonio)

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