
November 1997

Rock River Valley Section
www.ieee.org/regional/section/rock_river/

Event



Sense

The Institute of Electrical and Electronic Engineers, Inc.

RRV Section & IAS Chapter Meeting

Impact of Deregulation on the Electric Power Industry

When November 20, 1997

Where Northern Illinois University
Engineering Building, Room 101,
DeKalb, IL. See map on pg 2 for
details. Parking will be allowed in
the faculty parking lot behind the
engineering building after 5:00 pm.

Agenda 6:00 PM Social & Tour
6:30 PM Dinner
7:30 PM Program

Program The "open access"
environment in electric power
transmission as a result of
deregulation will be discussed.
This will include the effects of the
Electric Policy Act of 1992, the
Federal Energy Regulatory
Commission's "MegaNOPR" which
defined the obligations of
transmission providers, and current
issues of interest:

- calculation of ATC (available transfer capability)
- the OASIS (Open-access Same Time Information System)
- the transition to ISO's (Independent System Operators)
- the development of reliability standards

Speaker Harry L. Terhune has
been employed by Commonwealth
Edison Company (ComEd) since
1967. He has served in a variety of
engineering, training and technical
managerial assignments including:

Systems Power Coordinator -- Mid-
America Interconnected Network
(MAIN) coordinating a group of 15
electric utilities in the Midwestern
United States

Division Engineer -- directing the
engineering work of regional
distribution divisions of ComEd

Training and Development
Engineer -- directing staff personnel
for ComEd's ten fossil generating
plants (over 10,000 MW of coal, oil
and gas fueled capacity and
approximately 3000 employees)

Transmission and Distribution
Training and Methods
Superintendent -- directing
activities, safety and work methods
development throughout the six
ComEd geographical divisions
serving a peak load of about
17,000 MW and over 3000 affected
employees

System Planning Manager --
managing ComEd's System
Planning Department, which is
responsible for planning of the
ComEd bulk power transmission
system (765kV through 69kV).
Responsibilities include bulk power
planning (analysis, reinforcement
and expansion of the ComEd
internal transmission system and
related budget analysis), technical
studies (analysis of harmonics,
voltage and dynamic stability,

electromagnetic transients, and
system disturbance studies), and
interconnection planning

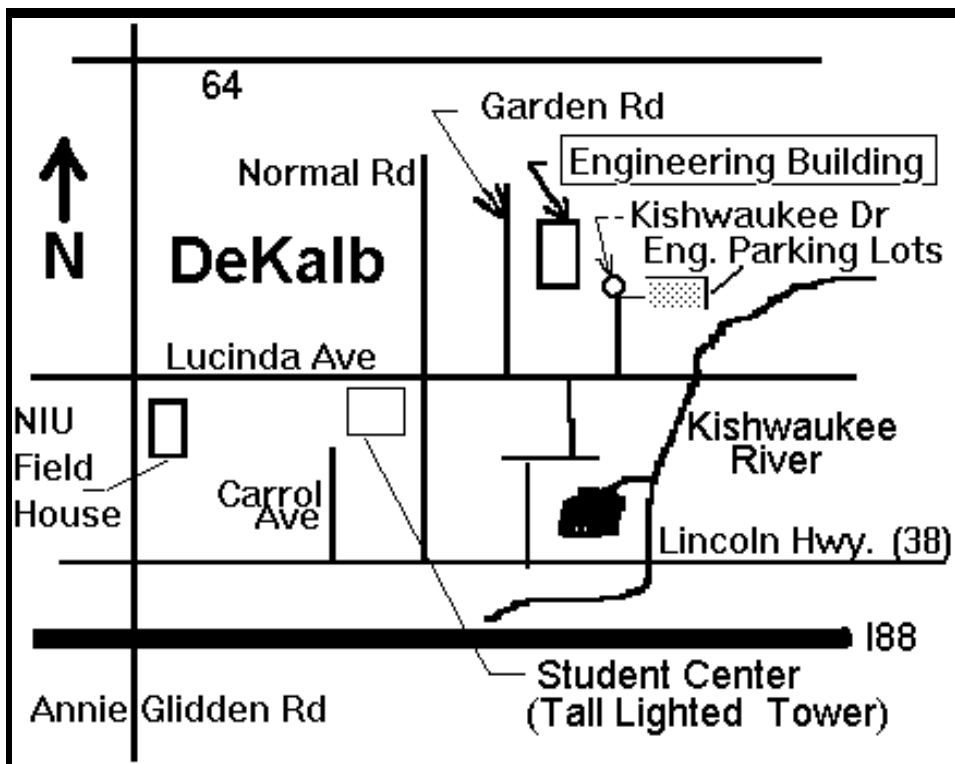
Mr. Terhune was graduated from
the University of Notre Dame, Notre
Dame, Indiana, with the degree of
Bachelor of Science in Electrical
Engineering in 1967. In 1975, Mr.
Terhune was graduated from Illinois
Institute of Technology with the
degree of Master of Science in
Electrical Engineering.

Mr. Terhune is a Senior Member of
the Institute of Electrical and
Electronic Engineers.

Door Prizes Sponsored by RRV
and Best Buy

Meal Dinner will be a chinese
buffet supplied by Yen Ching of
DeKalb. Please make your **dinner
reservations** by calling **Judi at
815-753-9974 by Tuesday,
November 18, 1997, (please
include your e-mail address in the
information you provide Judi -
thanks)**. The cost of the **dinner** is
**\$2 for student IEEE members, \$5
for IEEE members and \$10 for
non-members**. Unemployed
members may call one of the
officers for special arrangements.

Note The meeting is open to the
general public. You need not be an
IEEE member. However, please
call to enable us to make proper
arrangements.



Student Mentor Program

by Don Zinger

This article is being printed again this month in order to solicit additional participation in the program.

The Northern Illinois University student branch would like to organize a mentoring program for the IEEE student members. This program will help motivate young aspiring engineers by talking to practicing professionals and seeing how what students are learning can be applied in industry. **The student branch is currently soliciting volunteers from industry to act as mentors in the program.** The mentor will have initial conversations with an assigned student and hopefully spend a day to show the student around the workplace. If you are interested in volunteering for this program, please **contact Don Zinger**, the student branch counselor. He can be reached by email at d.zinger@ieee.org or by phone at **815-753-0540**.

Feds Warn of High-Tech Worker Shortage

The Department of Commerce on Sept. 29 released a report citing potential infotech labor shortages in the United States. The report, "America's New Deficit: The Shortage of Information Technology Workers," states that "Evidence is mounting that job growth in certain information technology fields now exceeds the production of talent."

According to the report, the United States and other industrialized countries "will increasingly have to rely on policies and strategies directed at educating, training and retraining their domestic work forces."

The report also noted IEEE-USA's suggested solutions to

labor-market imbalances: "IEEE-USA suggests that the shortage problem is the result of a skills mismatch created by rapidly changing technology and the difficulty of keeping worker skills up-to-date.

IEEE-USA advocates a focus on retraining the current work force, including engineers laid off in defense downsizing.

October Meeting Recap

Professor Bob Lorenz from the Univ of Wisconsin at Madison gave an enthusiastic and inspirational talk on true sensorless control of electric motors. His leading edge knowledge and activities were quite impressive. This was a must see meeting (heck they all are!!!)

January Meeting Preview

The topic for this meeting will be a discussion of the new x2 modem technology that is one of the enabling technologies for 56k bps modems.

Submissions to Event Sense

Send articles and job ads to the *Event Sense* editor, Bob Parro, via e-mail (preferred), or fax. Job ads will run for two consecutive months. Contact the *Event Sense* editor if the ad needs to run longer. Please make submissions by the twenty-fifth of the month. All submissions are subject to editing for style, clarity, and space considerations.

e-mail: b.parro@ieee.org
 fax: (815) 394-2497



RRVS Executive Committee

(l-r) **standing:** Larry Wachowiak, Treasurer; Hassan Mansir, IAS Chapter Chair; Don Zinger, NIU Student Branch Counselor; Matt Zimmer, Secretary and IAS Chapter Vice Chair; Roger Caruana, Education and Technical Activities Chair; **seated:** Caio Ferreira, Past Section Chair and current IAS Chapters' Department Chair, Bob Parro, Section Chair; Bill Barber, Section Vice Chair and Membership Chair; Jim Buerosse, PELS Chapter Chair; Paul Peterson, Joint Computer/Control Systems Chapter Chair and Awards Chair

The Rock River Valley Section would like to give recognition to the following area companies and university for supporting Section Officers:

Sundstrand Corporation • 3C Computer Systems • William Barber & Associates • Northern Illinois University

Rock River Valley Section of the IEEE 1997-1998

[WWW: www.ieee.org/regional/section/rock_river/]

Elected Executive Committee

Chair	Bob Parro	b.parro@ieee.org	(815) 394-2947
Vice-Chair	Bill Barber	b.barber@ieee.org	(815) 235-4110
Secretary	Matt Zimmer	m.zimmer@ieee.org	(815) 394-3456
Treasurer	Larry Wachowiak	l.wachowiak@ieee.org	(815) 394-5676

Appointed Executive Committee Chairs

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Comp/CS Chapter Chair	Paul Peterson	paul.peterson@ieee.org	(815) 226-2584
PELS Chapter Chair	Jim Buerosse	j.buerosse@ieee.org	(815) 226-6078
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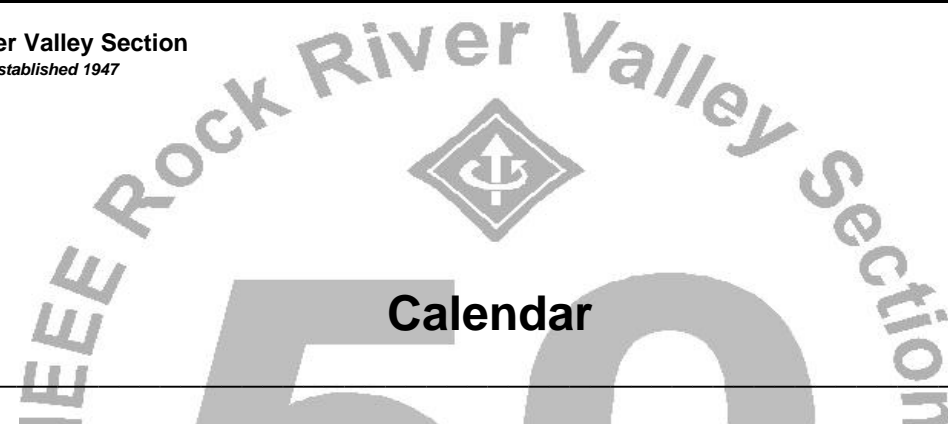
Northern Illinois University - Student Branch Officers

St Br Counselor	Prof. Don Zinger	d.zinger@ieee.org	(815) 753-0540
St Br Chair	Jamie Phillips		
St Br Vice-Chair	Michelle Marotta		
St Br Secretary	Rob Reeder		
St Br Treasurer	Ryan McMillin		

*Messages for student officers can be left at the NIU Dept of Electrical Engineering,
(815) 753-9974 or e-mail at sb.niu@ieee.org*



Rock River Valley Section
Established 1947



Calendar

November Section Meeting at NIU in DeKalb **Nov 20**
Impact of Deregulation on the Electric Utility Industry - Student Branch Meeting

January Section Meeting **Jan 29**
x2 Modem Technology

February Section Meeting **Wednesday, Feb 25**
Joint RRVS IEEE/ASME - Can Solar Energy be Competitive in a Deregulated Energy Market?



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Time-Sensitive Material

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