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December 1997

Rock River Valley Section  
www.ieee.org/regional/section/rock\_river/

Event



Sense

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The Institute of Electrical and Electronic Engineers, Inc.

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## Bonus RRV Section & PELS Chapter Meeting

### Some Puzzles in Power Electronics

**When** December 4, 1997

**Where** Rock Valley College,  
Technology Center, Room 117.  
Enter from Mulford, just north of  
Springbrook Rd.

**Agenda** 6:00 PM Social Hour  
6:30 PM Dinner  
7:30 PM Program

**Program** Dr. William Shepherd is  
a visiting professor at the University  
of Wisconsin-Madison for the Fall  
semester. He brings a wealth of  
knowledge and experience with

**Dr. Shepherd will present  
a light-hearted session on  
certain issues in power  
electronics, including  
harmonics, power factor,  
supply distortion, fuses,  
television receivers,  
reactive voltamperes and  
computers.**

him in the area of power  
electronics. The RRVS feels  
fortunate that we were made aware  
of the proximity and availability of  
this giant in the field during this

fleeting occasion.

As you know the RRVS generally  
does not have a monthly section  
meeting in December. However, in  
light of the circumstances we are  
pleased to be able to bring to the  
RRVS membership a special bonus  
meeting this year, providing us with  
a unique perspective from across  
the pond.

**Speaker** Dr. William Shepherd  
(M'57 - SM'70-F91) graduated with  
a B.Sc. (Eng.) degree from Imperial  
College, University of London, UK,  
in 1955. He received the M.Sc.  
degree from the University of  
Toronto, ON, Canada, in 1958, and  
the Ph.D. and D.Sc. (Eng.) degrees  
from the University of London in  
1966 and 1975, respectively, all in  
electrical engineering.

He was an Assistant Professor at  
the University of Manitoba,  
Canada, from 1959 to 1962, and a  
Lecturer at the Royal College of  
Science, Shrivensham, UK, from  
1962 to 1967. Since 1967 he has  
been with the Department of  
Electrical Engineering, University of  
Bradford, UK. He has previously  
held the university posts of Dean of  
Engineering and Pro-Vice-  
Chancellor and is now Professor of  
Electrical Power Applications. He is  
the author of three books and many

papers in the area of industrial  
electronics and control applications.  
During 1995-96 he was the Stocker  
Visiting Professor, School of  
Electrical Engineering and  
Computer Science, Ohio University,  
Athens, OH.

Dr. Shepherd is a Fellow of the  
Institution of Electrical Engineers,  
London, UK.

**Door Prizes** Sponsored by  
RRVS and Best Buy

**Meal** Dinner will be a buffet  
style (with a min. of 15 people)  
featuring Chicken Divan. Please  
make your **dinner reservations**  
by calling **Gloria** at **815-226-  
5247** by Tuesday, **December 2,**  
1997, (please include your e-  
mail address in the information  
you provide **Gloria - thanks**).

The cost of the dinner is **\$5.00**  
for **IEEE members** and **\$14.00**  
for **non-members**. Unemployed  
members may call one of the  
officers for special  
arrangements.

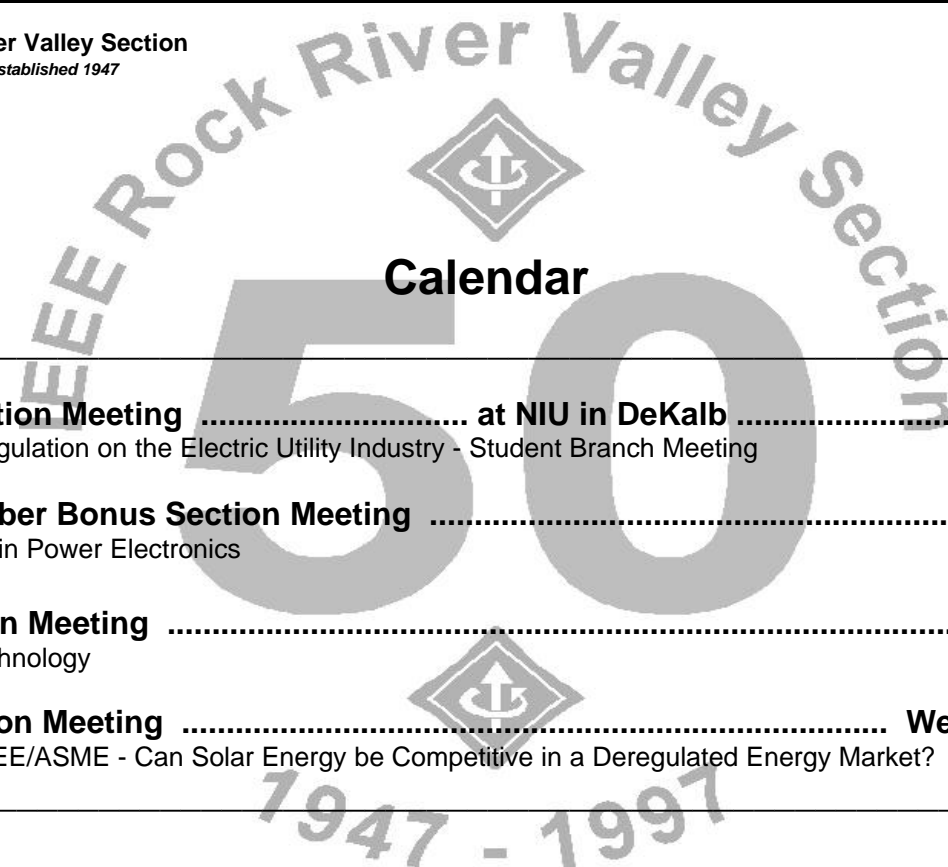
**Note** The meeting is open to the  
general public. You need not be  
an IEEE member. However,  
please call to enable us to make  
proper arrangements.

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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
- Special December Bonus Section Meeting** ..... **Dec 4**  
Some Puzzles in Power Electronics
- 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?



Joint Computer/Control  
Systems Society Chapter  
Established 1995



Industry Applications  
Society Chapter  
Established 1992



Power  
Electronics  
Society  
Chapter  
Established 1996

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Time-Sensitive Material

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