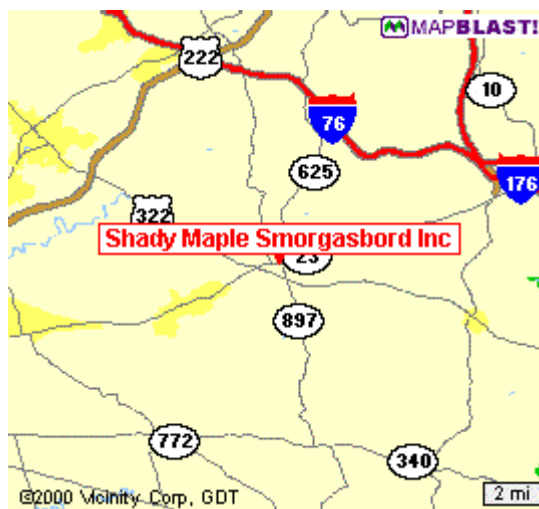




On behalf of:

The **Delaware Valley Power Quality Group**, established in 1993, is a volunteer not-for-profit organization dedicated to providing a state of the art educational forum for the exchange of information pertaining to Power Quality issues and the most technically up to date products and practices.



Directions

The NEW Shady Maple Smorgasbord, recently featured in the Philadelphia Inquirer, is located at 1352 Main St (PA Route 23), East Earl, PA; 8 miles west of Exit 298 (old Morgantown Exit 22) of the PA Turnpike. From the Turnpike, follow the signs to Route 23. Shady Maple is located in their new large facility on the south side of Route 23 at Route 897 behind the old restaurant.

You are cordially invited to the
Quarterly Meeting of the
Delaware Valley Power Quality Group

to be held from 10:00 AM to 3:00 PM on
Thursday, September 23, 2004 at

Shady Maple Smorgasbord
1352 Main St. (Route 23)
East Earl, PA 17519

Meeting Agenda:

**Facilities Lightning Protection and
Hardening**

Main Speaker:

Michael F. Stringfellow, Ph.D., P.E.,
PowerCET Corporation

Facilities Lightning Protection and Hardening

Program Summary:

Lightning protection is typically thought of as just lightning rods. The concept of hardening is rendering the contents of facilities immune to lightning problems by the proper application of grounding, bonding, shielding and surge protection. It also involves more concepts than just surge protection. Some of the topics to be covered include:

- Calculate the risk of lightning strikes to structures.
- Evaluate the need for a lightning protection system.
- Identify which systems work and which do not.
- Specify a lightning protection and grounding system.
- Determine the best grounding means for a facility.
- Know when to avoid isolated grounding.
- Shield and bond communications systems.
- Select appropriate transient protection technology.
- Identify where to install surge protection devices.
- Determine communications systems to avoid.
- Lightning-proof computer networks.
- Choose between an uninterruptible power system and surge protective device.

Speaker: Michael F. Stringfellow, PowerCET Corporation

Michael F. Stringfellow, Ph.D., P.E. is Chief Scientist for PowerCET Corporation. Prior to joining PowerCET he held the positions of Chief Scientist and Director of Research for EFI Corporation. Other experiences include 9 years with the Electric Supply Commission (Eskom) in South Africa, and work with Kearney National and Atlantic Scientific Corporation. His research has focused on lightning surges and their impact on commercial and industrial facilities, and utility transmission and distribution systems. Dr. Stringfellow has published numerous articles and research papers during his distinguished career. He is a member of IEEE and is an active member on several committees. He earned a B.S. Honors Degree in Physics from the University of London and his Ph.D. in Atmospheric Electricity from University of Durham.

Meeting Information:

**Place: Shady Maple Smorgasbord
1352 Main St. (Route 23)
East Earl, PA 17519 (new facility
is just off Rt. 23 on Rt. 897)**

**Date: Thursday, September 23, 2004
Time: 10:00 AM to 3:00 PM**

**Lunch Will Be Provided
Please RSVP by Friday, Sept. 17, 2003**

REGISTRATION:

NAME: _____

COMPANY: _____

ADDRESS: _____

City: _____ State: _____ Zip: _____

PHONE: () _____

(include area code)

FAX: _____

E-Mail: _____

Category: Academic Contractor Utility
 Consultant Manufacturer (Rep) End User

Registration Fee:

To become a 2005 member of the DVPQG and receive notification of all future meetings, training, and events, please select the appropriate option. Yearly membership runs from January 1 to December 31 of each year.

- | | | |
|-----------------------------|------------------------------|----------|
| 1. <input type="checkbox"/> | Meeting – DVPQG Member | \$ 50.00 |
| 2. <input type="checkbox"/> | Meeting – Non-Member | \$ 70.00 |
| 3. <input type="checkbox"/> | Mtg. & 2005 Membership | \$ 75.00 |
| 4. <input type="checkbox"/> | Meeting & (3) yr. Membership | \$120.00 |
| 5. <input type="checkbox"/> | 2005 Membership Only | \$ 30.00 |

SEATING IS LIMITED! Please pre-register...Registration at the door is \$5.00 extra. (Cancellation and Refund: To cancel your registration and receive a full refund, you must contact the DVPQG treasurer (i.e. email: treasurer@ dvpqg.org) at least 24 hours prior to the meeting. Otherwise, no refunds will be issued.)

Please mail this registration form and a check, made out to "Delaware Valley Power Quality Group, Inc.", for the appropriate registration to:

Delaware Valley Power Quality Group, Inc.
P.O. Box 511
East Petersburg, PA 17520-0511

**Please respond by September 17, 2004
Please be complete in filling out registration.**

You may also pre-register by E-mail to registrations@dvpqg.org and then mail your payment.