

## What The Professional Needs To Know About NFPA 70E

“Between five and ten serious arc flash/blast hazards occur each day in the U.S.”

By: John Kaldon

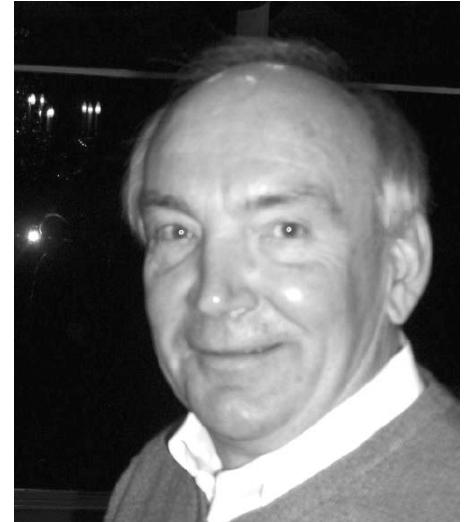
Most electrical workers are familiar with *NFPA 70* - National Electrical Code (NEC). Unfortunately, many of those workers are not familiar with *NFPA 70E* – Standard for Electrical Safety in the Workplace.

Employers often ask if *NFPA 70E* applies to their business. My answer to most employers who employ electrical workers is *yes*. If OSHA regulations and the NEC apply to your business, then *NFPA 70E* most probably applies. OSHA has referenced *NFPA 70E* in many cases, and attorneys will also use the standard in litigation.

Most importantly, compliance with *NFPA 70E* will save lives, prevent acci-

dents, avoid business interruptions, and minimize equipment damage. *NFPA 70E* emphasizes the hazards encountered when working on or near electrical equipment, and the need to control those hazards. Those hazards are typically electric shock, and “the other electrical hazard” – arc flash/blast.

Between five and ten serious arc flash/blast hazards occur each day in the United States. Selecting and using the appropriate arc flash clothing and equipment could prevent the injuries and fatalities associated with arc flash/blast. Likewise, selecting and using appropriate insulating equipment could also prevent the injuries and fatalities associated with



John Kaldon

electric shock. *NFPA 70E* offers excellent guidance on the selection and use of appropriate Personal Protective Equipment (PPE), and the identification of necessary procedures and work practices

Learn how to recognize and control these hazards by developing appropriate procedures and complying with *NFPA*

*(continued on page 6)*



Fod Vick, EAP President

## Mentoring - What's In It For Me?

By: Fod Vick, EAP President

What's in it for me? Maybe little; maybe a great deal. If you are the recipient of quality mentoring, count yourself lucky (and remember to thank your mentor at some point).

On the other hand, one can fairly ask, why should I act as a “mentor?” Anyone who has been the recipient of mentoring at a key point in his or her

career can tell you the answer: it can make a world of difference. I know from personal experience that mentors at key points in my career: (1) led me in the right

*(continued on page 7)*

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Patricia Condron of the Administrators, Inc. assists The EAP with its healthcare insurance plans.

# The BlueCard Program

## You have the freedom of choice

By EAP's Insurance Administrator – The Administrators, Inc.

As a Blue Cross Blue Shield Plan member, you have the freedom to choose the doctors and hospitals that best suit you and your family. Your membership gives you a world of choices. Within the United States, you're covered whether you need care in urban or rural areas. Outside of the United

States, you have access to doctors and hospitals in more than 200 countries and territories around the world through the BlueCard Worldwide Program.

### Designed to save money

In most cases, when you travel or live outside your Blue Cross Blue Shield Plan's service area, you can take advantage of savings the local Blue Plan has negotiated with doctors and hospitals in the area. For covered services, you should not have to pay any amount above these negotiated rates.

Take charge of your health, wherever you are within the United States...

1. Always carry your current Blue Cross Blue Shield Plan ID card.
2. In an emergency, go directly to the nearest hospital.

3. To find nearby doctors and hospitals, call BlueCard Access at 1-800-810-BLUE (2483) or visit the BlueCard Doctor and Hospital Finder at [www.BCBS.com](http://www.BCBS.com).
4. Call your Blue Plan for pre-certification or prior authorization, if necessary. The phone number is located on your Blue Plan ID card. Note: This phone number is different from the BlueCard Access number mentioned above.
5. When you arrive at the participating doctor's office or hospital, show the provider your ID card. The provider will identify your benefits through a suitcase symbol which appears on the card.

#### After you receive care, in most cases, you should:

- Not have to complete any claim forms
- Not have to pay upfront for medical services, except for the usual out-of-pocket expenses (non-covered services, deductible, co-payment and coinsurance)
- Receive an explanation of benefits from your Blue Plan.

*The Administrators, Inc. (TAI) is the health insurance administrator for The Electrical Association of Philadelphia. You can contact TAI at 800-634-4428 or [www.tai-pa.com](http://www.tai-pa.com). To enroll in a TAI insurance program or to learn more about the plans available through TAI contact your Account Executive Pat Condron. Pat can provide on-site visits to explain your benefit options and assist with group enrollments.*

## PECO Energy Updates

The following are issues which PECO Energy feels should be brought to the attention of The Electrical Association of Philadelphia members:

This information can also be found on [www.eap.org](http://www.eap.org).

### New Business Services Organization Guide Now Available

To PECO's Valued Customers,

Our New Business Services Organization Guide - now available - provides key phone numbers and contacts, answers common scheduling questions, and most importantly, offers guidance for some of our safety practices including emergency contact numbers if the need arises.

We value your business and want to ensure that there is no confusion about the department's future name change to the Exelon New Business Services orga-

nization. PECO's Contractor & Builder Services department has been in place for 10 years, and the department is not changing. The name is changing to be consistent with the other Exelon departments that handle New Business and Customer requests. The existing phone numbers, faxes, and building locations are not changing. More important, the contacts you have developed during the last decade at PECO will remain the same.

To reinforce PECO's commitment to business like yours, we have developed this guide to assist you in working more effectively with our company. The guide, developed with direct feedback from you and your peers, will provide the information you have requested compiled in one handy booklet.

Thank you for your support of this department through the years. Although our name has changed, our commitment

to you remains the same. We look forward to serving you again.

Sincerely,  
Dave DeSimone  
Manager, New Business Services

*NOTE: Copies of the Guide can be ordered by calling 1-800-454-4100.*

## EAP Board of Governors

### Newly Appointed to the EAP Board of Governors – Welcome!

Brigid Falasca – Eaton Electrical (Member, EAP Education & Communications Committee)

Al McDevitt – Self Heating and Cooling, Inc. (Chair – EAP Heating & Air Conditioning Section of the EAP)

Cyndi Phillips – Osram Sylvania (Member, EAP Education & Communications Committee)

## Grounding Separately Derived Systems

By: Michal Hofkin

Middle Atlantic Inspections, Inc.  
IECA, IAEI, EAP, NFPA

Greetings from the Code Corner! As we get into 2006, I would like to thank you for your sustained support of this column. This month we'll begin a series of articles that explore grounding separately derived systems.

I'll begin our discussion with Section 250.30 of the 2005 NEC (NFPA-70). This is where we are told that grounded separately derived systems must comply with 8 rules, located in 250.30(A)(1) - (8). We are also prohibited from making a grounding connection to any grounded circuit conductor beyond the point at which we ground the separately derived system. For example, it is illegal to tie the ground (or an electrode) to the neutral past the location of the first bonding jumper.

The first of the rules, located in 250.30(A)(1), refers to the "System Bonding Jumper." This is a new term in the 2005 NEC. It performs the same function that the "Main Bonding Jumper" does at the service equipment. In fact, in the 2002 NEC, this conductor was still called a main bonding jumper. The reason for the new term is to differentiate between the bonding jumper at the service equipment (*main* bonding jumper), and the bonding jumper at a separately derived system (*system* bonding jumper).

The rule directs us to install this system bonding jumper to connect the equipment grounding conductors (EGCs) to the grounded conductor (usually a neutral). The system bonding jumper must comply with the rules in 250.28(A) through (D), which guide the material, construction, attachment, and size of the conductor. The connection is to be made at a *single point*, either at the source of a separately derived system, or at the first disconnect. It is critical that this rule be adhered to. If we were to make subsequent system bonding jumper connections, we would put the grounded conductor in parallel with the ground-

ing conductor, which would lead to objectionable current on the grounding conductor (see 250.6).

Section 250.30(A)(2) sets forth the rules for the sizing of an *equipment bonding jumper*. If we choose to install our *system bonding jumper* at the first disconnect, then we must install an *equipment bonding jumper* between the source of the separately derived system and that disconnect. This conductor must be sized in accordance with 250.102(C), which directs us to use Table 250.66, and further tells us to follow a 12 percent rule if our derived phase conductors are larger than those printed in the table.

In Section 250.30(A)(3) the method for sizing the grounding electrode conductor (GEC) is prescribed. Again we refer to Table 250.66 based on the derived phase conductors. This GEC is used to connect the grounded conductor of the derived system to the grounding electrode, such as is done at a service to connect a neutral to a water pipe. The electrode choices that we have differ from those for services. This is spelled out in Section 250.30(A)(7), where we find that the allowable methods are the metal water piping electrode, which is by definition the first 5 feet of water piping in the building, and the structural metal electrode. An exception allows other grounding electrodes if neither of the two preferred electrodes are available. There is also a Fine Print Note in 250.30(A)(7) that is worth noticing. I'll provide more on that later.

The last sentence in 250.30(A)(3) is also very important. It demands that the grounding electrode conductor be connected to the grounded conductor "at the same point on the separately derived system where the system bonding jumper is installed." What this means is that, for example, we cannot install the system bonding jumper in the transformer can, and then connect the grounding electrode conductor to the grounding bar in the first disconnect. Both connections *must* occur in the same place. *To be continued next month.*

*The above is not a formal interpretation of the National Electrical Code.*

## Make your name an industry staple. Advertise with The EAP!

The Electrical Association of Philadelphia is now featuring advertising on its website, [www.eap.org](http://www.eap.org). Open to all members, this opportunity will allow company's to provide industry professionals as well as consumers the chance to easily link directly to its website. While website advertising has become the norm in today's "high-tech" world, The EAP offers advertisers a truly unique benefit. Each ad placed with The EAP will appear on the organization's top five viewed pages on a quarterly basis; pages which are hit over 8,000 times a year.

Another program, new this year to the Association, is geared specifically to The EAP's contractors: heating and air conditioning along with electrical. The Contractor Referral Link Program, will offer contractors the chance to provide con-

sumers with a direct link to their web-site in the final stage of the zip code derived referral process. Contractor Referral, a free benefit to members, is the most popular portion of [www.eap.org](http://www.eap.org) and is visited by a multitude of consumers each day.

For more information on either one of these exciting opportunities, please visit [www.eap.org](http://www.eap.org), clicking on the Advertising Opportunities button or contact Dwight at The Electrical Association of Philadelphia via e-mail: [dwight@eap.org](mailto:dwight@eap.org) or by telephone: (610) 825-1600 extension 11.



## Help EAP Educational Foundation

The EAP Educational Foundation is solely sustained by member contributions and offers four \$2,000 scholarships annually. The Foundation strives to reach a monetary goal that would allow it to be self-sustaining at its current award rate. If we could reach a goal of \$150,000, this would allow us to continue to award the current scholarships and possibly even expand the number or amounts of the awards without further significant monetary contributions by our members. Therefore, your help is needed more than ever to reach this goal. Foundation President **Jack Beiter** explains, "This program is of utmost importance, as it assists with the continuation of scholarships for your children and employees to further their education. What more beneficial program could your company support?"

**Contributors are being solicited at the following levels:**

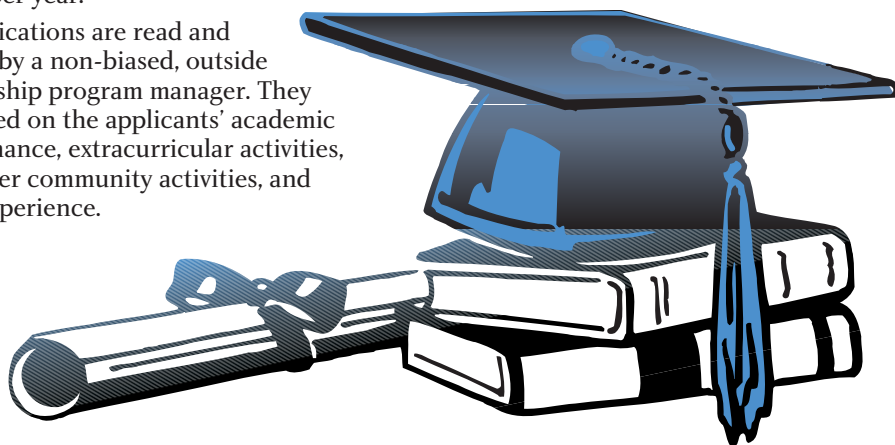
**President's Circle - \$4000**

## EAP Educational Foundation to Award Four Scholarships

### One Scholarship Devoted to Technical Education

The Educational Foundation of the Electrical Association of Philadelphia will offer four \$2000 scholarships for the year 2006. One of the four scholarships will be awarded to a student entering or currently enrolled in a technical program related to the electrical or H&AC industry at a full-time accredited post-secondary technical school or community college (at least 2 courses per semester). The remaining three scholarships will be awarded to students entering or currently enrolled in a full-time accredited college, university, or vocational school (at least 12 credits per semester). Winners of the 2005 scholarships are not eligible to receive scholarships in 2006. Also, limited to one winner per family per year.

Applications are read and judged by a non-biased, outside scholarship program manager. They are based on the applicants' academic performance, extracurricular activities, volunteer community activities, and work experience.



**Full Professor - \$1000**

**Doctorate Degree - \$500**

**Master's Degree - \$300**

**Bachelor's Degree - \$100**

Contributors will be recognized on an ongoing basis in *The EA Extra*, as well as on the Contributor Sign that is displayed at the very popular EAP Golf Outing. The Contributor Sign will then be displayed throughout the year at EAP Headquarters. Contributors will also be recognized on the EAP Website, [www.eap.org](http://www.eap.org).

What better way to invest in the future than by investing in our children? Member companies should note that Educational Foundation donations are tax-deductible.

*Those interested in contributing to the Foundation should contact Dwight by phone at (610) 825-1600, Extension 11 or by email at [dwight@eap.org](mailto:dwight@eap.org).*

Applicants must also submit a recommendation letter from a school official and a personal statement.

To request an application, you may contact Dwight Price, by phone at (610) 825-1600, Extension 11 or by email at [dwight@eap.org](mailto:dwight@eap.org). If you request an application by email, please include your name, your company's name, the student's name, address where it should be sent, and a phone number. Applications must be requested by March 15, 2006. Completed applications must be post-marked by March 31, 2006\*. *The winners will be announced in early May.*

\* Call to see if deadline extended.

## 2006 Educational Foundation Contributors

The Electrical Association of Philadelphia Educational Foundation appreciates the generosity of its 2006 contributors.

### President's Circle

Square D

### Full Professor

Colonial Electric Supply

### Doctorate Degree

Penn Power Systems

Rumsey Electric Company

### Master's Degree

Carr & Duff

Bob Cermignano A/C & Heating, Inc.

Diversified Lighting Associates

Eastern Generator Sales and Service

Electric Education Center

Bill Gillespie Elec., Inc

United Electric Supply

WESCO

### Bachelor's Degree

E. C. Bentz Electrical Contractor

Jos. E. Biben Sales Corp.

Wm. B. Bleiman & Sons, Inc.

Brazill Brothers & Associates, Inc.

Certified Electrical Sales Assoc.

Christian Heating & A/C

Cusick Electrical Sales

Electrical Resource Group, Inc.

Fitzgerald/Spector Associates

Girard Electric Service, Inc.

Marvin E. Kanze, Inc.

Charles G. Keller, Inc.

Locust & Co.

Master Locators, Inc.

McGoldrick Electric

The Okonite Company

Powell's Electric Service

Response Engineers

The Barney Roth Co.

Shelly Electric Co., Inc

J. A. Smith Htg. A/C

Thomas & Betts Corporation

Wm. G. Torchiana 3rd Electrical Contractor

# 2006 Industry Calendar

## April

22-26

### NAED Annual Conference

Info: (888) 791-2512 or [www.naed.org](http://www.naed.org)

28

### Motors, Motor Circuits and Controllers and Transformers Seminar

Info: (610) 825-1600 or [www.eap.org](http://www.eap.org)

30

### EERA Annual Meeting

Info: (816) 561-5323 or [www.eera.org](http://www.eera.org)

## May

4

### EAP Delaware County Contractors Section Meeting

Info: (610) 825-1600, extension 11 or [www.eap.org/monthly.htm](http://www.eap.org/monthly.htm)

11

### EAP Bucks-Montgomery County Contractors Section Meeting

Info: (610) 825-1600, extension 11 or [www.eap.org/monthly.htm](http://www.eap.org/monthly.htm)

12

### Branch-Circuit, Feeder, and Service Calculations Seminar

Info: (610) 825-1600 or [www.eap.org](http://www.eap.org)

16

### BOMA Philadelphia Annual Meeting

Info: (215) 567-1775 or [www.bomaphila.com](http://www.bomaphila.com)

30-June 1

### Lightfair International 2006

Info: (888) 892-0745 or [www.lightfair.com](http://www.lightfair.com)

## June

4-8

### NFPA World Safety Conference and Exposition

Info: (888) 397-6209 or [www.nfpa.org](http://www.nfpa.org)

18-21

### EEI Annual Convention and Expo

Info: (202) 508-5000 or [www.eei.org](http://www.eei.org)

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### EAP Annual Golf Outing

Info: (610) 825-1600 or [www.eap.org](http://www.eap.org)

24-27

### BOMA International Annual Conference and Office Building Show

Info: (202) 326-6337 or [www.boma.org](http://www.boma.org)

24-28

### ASHRAE Annual Meeting

Info: (800) 527-4723 or [www.ashrae.org](http://www.ashrae.org)

## Member Benefit Highlights

Each edition we will be highlighting a few of the many member benefits The EAP has to offer. Did you know these things were available to you as a member?

### Facility Rental

Contact: Mair Malfara  
(610) 825-1600, extension 12  
[mair@eap.org](mailto:mair@eap.org)

The EAP offices feature a training facility and a smaller boardroom that are available for rental to members and member companies. Members may host training seminars, meetings, and sales presentations in the Association's centrally located, easy-to-find location. Members save \$50 on training facility rental, and \$25 on boardroom rental.

### Municipal and Township Contact List for Contractors Online

Contact: Dwight  
(610) 825-1600, extension 11  
[dwight@eap.org](mailto:dwight@eap.org)

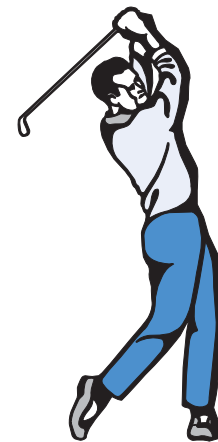
Listed on [www.eap.org](http://www.eap.org) is information to contact area municipalities and townships about permits, licenses, etc. It is meant to save valuable time by giving you

a starting point to get in contact with a person who can give you up-to-date information about requirements for work that you are performing in their municipality. You may access the list by going to [www.eap.org](http://www.eap.org) and clicking on Membership Benefits.

### PA One Call

Contact: Mair Malfara  
(610) 825-1600, extension 12  
[mair@eap.org](mailto:mair@eap.org)

Normally a \$50 annual cost, The EAP provides contractor members with PA One Call services, absolutely free of charge. Just send us your bill promptly, and we will pay it. This service alone reduces the actual membership cost for small electrical contractors by close to 50 percent. (Please note that the Association will only pay PA One Call invoices that are mailed to us within six months of the day that they are received, or from the first date of paid membership, whichever is least recent).



## Your Link to the Links

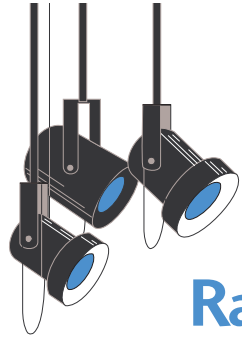
Get Connected at the EAP Golf Outings –

It's Almost That Time of Year!

**Monday, June 19, 2006** – EAP Golf Outing, Radnor Valley Country Club

Don't miss this fine club and great camaraderie! (610) 825-1600

**Tuesday, May 9, 2006** – IESNA/Lamp-lighters Emory Zimmers Memorial Golf Outing, Island Green Country Club, (215) 884-0768.



# New Member Spotlight

## Welcome to Our New EAP Member Company:

### Ray Angelini, Inc.

P.O. Box 432,  
Barnsboro-Blackwood Road,  
Sewell, New Jersey, 08080  
856-228-5566  
www.raiservices.com

*Member Category:* Large Electrical Contractor

*Please describe your business:*

RAI is a construction, engineering and communication system firm providing services to both commercial and industrial clients in private industry and in the public sector. RAI's clients are primarily located in New Jersey, Pennsylvania and Delaware, but RAI travels nationally and internationally for its customers.

*Number of branches/locations:* Three

*Number of employees:* Over 250

*Year established:* 1974

*Focus of business/specialty:*

One of RAI's six divisions is Electrical Design Construction Services. These services, both new construction and renovation, have been provided on correctional facilities, sewage and water treatment plants, schools, universities, hospitals, banks, theaters, cogeneration plants and industrial facilities.

Another RAI division is Electrical Industrial Services, providing expertise in power systems that are basic to processing and industrial facilities. Instrumentation, industrial controls, system wiring and motor control centers are some of the systems that RAI has installed, refurbished, repaired, upgraded, calibrated, or tested.

One specialty area is a franchise called "TEGG Service."



TEGG Service - short for "integrity" - focuses on minimizing both unexpected power outages and potential electrical fire hazards in its customer facilities. Electrical preventive maintenance guards against sudden power outages and power quality problems caused by today's micro-processor controlled equipment. The service is designed to enhance customer productivity and profitability by reducing facility downtime and costs.

*Recent industry trends observed:*

"We are seeing a lot of interest in energy savings, including lighting retrofits and use of solar energy. Emerging technologies that save energy are in great demand, and will continue to be for the foreseeable future." – Steven Minshall, Vice President, Director of Business Development

## What The Professional Needs To Know About NFPA 70E

*(continued from page 1)*

70E. The EAP offers an excellent, highly acclaimed eight-hour course for electrical workers. This course is based on NFPA 70E, OSHA, NEC, & NESC standards and regulations. Contact Dwight Price at the EAP for details.

*John Kaldon is President of Broad Run Consultants. He is an electrician, and worked for 30 years for PECO Energy. He is a nationally recognized expert on safety and root cause analysis. He testifies in electrical accident cases all over the United States, for both plaintiffs and defendants.*

## NFPA 70E - Energized Electrical Work Permit - (Article 130.1 (A))

NFPA 70E requires justification for working on or near live parts and offers a fine sample of this permit. When completed this Permit should:

1. identify the work to be performed
2. list justification for performing the work while the equipment is energized
3. determine safe work practices to be used
4. ensure that shock and flash hazard analysis is completed
5. identify flame resistant clothing/equipment and other PPE requirements
6. ensure that a job briefing is conducted
7. restrict unqualified personnel access to work area
8. document agreement that work can be performed safely
9. require approval signature(s) of General Manager, Safety Manager, Manufacturing Manager.

# Welcome New Members!

## Six New Members Join the EAP Ranks

The Electrical Association of Philadelphia Board of Governors is pleased to welcome these new members

### **Ray Angelini, Inc.**

Electrical Contractor (Large)

#### **Mr. Ray Angelini**

105 Barnesboro/Blackwood Road

Sewell, NJ 08080

Phone: (856) 228-5566

Fax: (856) 228-5441

*Special thanks to Steve Bellwoar at Colonial Electric Supply and Kevin Lane at United Electric Supply for sponsoring Ray Angelini, Inc.*

### **Forsyth Electric**

Electrical Contractor (Small)

#### **Mr. Tom Forsyth**

P. O. Box 751

Drexel Hill, PA 19026

Phone: (610) 733-8524

*Special thanks to Stan Altzman at Code Inspections and Don Kaeser at Kaeser Electric for sponsoring Forsyth Electric*

### **Electric Education Center**

Technical/Academic Training Program

#### **Mr. Richard Van Wert**

971-A Bristol Pike

Bensalem, PA 19020

Phone: (215) 752-4572

Fax: (215) 752-7796

*Special thanks to Bob Fitch at Bureau Veritas and John Whitney at Edwards & Kelcey for sponsoring Electric Education Center.*

### **Ground Source Contractors, Inc.**

Air Conditioning and Heating (Small)

#### **Mr. Gary Eschenburg**

1418 Schoolhouse Road

Perkasie, PA 18944

Phone: (215) 257-4797

Fax: (215) 257-5517

*Special thanks to Mike Fink at WaterFurnace and Jeff Smith at J. A. Smith Htg. & A/C for sponsoring Ground Source Contractors, Inc.*

### **Hawke Electrical, Inc.**

Electrical Contractor (Small)

#### **Mr. Kevin P. Hawke**

2555 Forge Way

Norristown, PA 19403

Phone: (610) 666-7698

Fax: (610) 666-0613

*Special thanks to Jay Halferty at United Inspection Agency and Rod Huber at Huber Electric for sponsoring Hawke Electrical, Inc.*

### **Clyde S. Walton, Inc.**

Air Conditioning and Heating (Large)

#### **Mr. Jay Walton**

400 S. Broad Street, Box 1669

Lansdale, PA 19446

Phone: (215) 855-6893

Fax: (215) 855-5737

*Membership reinstated. Welcome back!*

## Mentoring - What's In It For Me?

*(continued from page 1)*

direction; (2) helped me make better decisions; and (3) kept me going when I was discouraged.

On an individual level, this can help us as business people keep good employees. This in turn makes our jobs easier, and our companies stronger. And these employees may become our business partners, with shared responsibility for the success of the business.

On an industry level, we need to keep talented, hardworking people in our businesses. We cannot afford to train them, only to have them leave for "greener pastures" like information technology or some other currently popular "sexy" field. Further, our willingness to mentor can help attract quality individuals to both our industry and to our Association.

So mentoring helps not only the recipient, but the mentor. There is arguably nothing in your career more satisfying than to lead others in the right direction.

Please keep these opportunities in mind, as you go about your business. We will all be richer for it.

Let us know if you have had some noteworthy experience with mentoring. Just

send your quote to me, or Dwight Price. You can use your name if you wish, or remain anonymous. Thank you.

*Fod Vick is President of Philadelphia Lighting Maintenance Co. and Barney Roth Co. They are lighting management and electrical maintenance companies. Fod is also President of The Electrical Association of Philadelphia.*

### *"Mentor": A Wise and Trusted Advisor*

*– Thorndike-Barnhart Dictionary*

"There are a lot of young people who are in the business that truly look up to certain individuals as role models, someone to pattern their career after, etc. We, the members of EAP and decision makers within our own companies, need to foster that. We need to seek out these young people, within our own companies, with customers, among end user and distributors contacts, and even in chance meetings as social events."

*– Joe Henry, President,  
Cusick Electrical Sales*

## How About You?

Tell us your thoughts or your story about mentoring. Contact Dwight at (610) 825-1600, extension 11 or [dwight@eap.org](mailto:dwight@eap.org)

# Stay Connected with the EAP!

## Calendar Highlights

### April 2006

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

### April 2006

- 4 EAP Executive Committee Meeting, EAP Offices – 7:30 a.m.
- 14 Office Closed for Holiday
- 28 Motors, Motor Circuits and Controllers, and Transformers Seminar, EAP Offices – 12:00 noon

### May 2006

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

### May 2006

- 4 Delaware County Electrical Contractors Section Meeting – 6:30 p.m.
- 9 IESNA/Lamplighters Emory Zimmers Memorial Golf Outing, Island Green Country Club
- 11 Bucks-Montgomery County Electrical Contractors Section Meeting, Sandy Run Country Club – 6:30 p.m.
- 12 Branch-Circuit, Feeder, and Service Calculations, EAP Offices – 12:00 noon
- 23 EAP Executive Committee Meeting, EAP Offices – 10:00 a.m.

### June 2006

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

### June 2006

- 19 EAP Annual Golf Outing – Radnor Valley Country Club
- 20 H&AC Section Committee Meeting With Manufacturers/Distributors EAP Offices – 2:30 p.m.

### July 2006 and August 2006

*Enjoy your summer!*

*For a more extensive calendar listing, please see our web site at [www.eap.org](http://www.eap.org). For more details regarding the meetings listed above, please call (610) 825-1600, or e-mail [electric@eap.org](mailto:electric@eap.org).*

# Extra

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