
PERIODICAL
TIME SENSITIVE MATERIAL
Now that summer is a fond memory and the autumn leaves are falling, it is time to think seriously about our profession. The Starr Report has hit the newspapers, television, the internet, the bookstores etc. etc., ad nauseum, the NBA is still in a lockout/strike mode (as of this writing), and the profession you hear about and read about – whether good or bad – is the legal profession. A recent Harris Poll survey shows engineering in the U.S. to be what they call a “stealth profession”. It shows that the U.S. public feels uninformed about the engineering enterprise and reveals a startling lack of knowledge about engineers’ involvement in key areas of American endeavor.

Although the survey, called “American Perspectives on Engineers and Engineering” found that Americans believe that engineers are to be credited with creating economic growth and preserving national security, the general public is not clear about how and why that is so. Even a majority of college graduates reported that they are “not very well informed or not at all well informed” about engineers and engineering. This would seem to be a bigger problem than that of the ‘nerdy’ image engineers often have.

The technical students of today seem to want to go into electronics or computers, which isn’t bad, but I have heard from some of you in the consulting/design field that it is extremely difficult to hire young engineering graduates to work in the power areas. If the students don’t want to take the power courses, the colleges will limit them. We on the chapter and section level have run educational courses in design, construction etc. for young engineers, but have had little success lately with getting student participation. Once again, any suggestions will be appreciated.

The IEEE has a relatively new program called Graduates Of the Last Decade (GOLD). This is a program to try to get and keep the involvement of the younger engineering graduates and is geared toward professional development, while emphasizing current issues. I think what we need most is the input from the ‘older’ engineers for whom the GOLD work. If you at least make the recent graduates aware of the program, there are resources available to get them started, and they can call or e-mail me to get additional information. If we can get these young people networked, maybe it will help solve the young power engineer problem stated above, while also bringing together the electronic and the computer and the bio-med. etc.

By the time you read this, the 1998 elections will have passed. I trust you all took the time to vote. It seems that the interest level in ourselves is waning. In the 1997 election, we couldn’t even get the required minimum of 20% of the membership to vote to pass a constitutional amendment. I hope this has changed in the 1998 election.

I wish that all of you with snowblowers use them this year as much as I did last year – zero. I put gas in it once just to start it up and see if it ran, because I didn’t use it the year before either. If it stays like this, we could retire here (if not for the taxes). That’s OK; however, I understand that the Almanac is stating that we won’t be as lucky this year.

William Perlman, Chairman
New York Section
Back from Phoenix where as Pace Chairman I represented the New York Section at the Annual PACE Conference & Workshop. The theme was "Preparing for the New Millennium," and the numbers of attendees indicated that members are indeed preparing for this event. The conference workshops were well attended and the topics presented were of current interest to all our members. I attended a pre-conference Workshop on Practical Career Planning and Job-Search Techniques, which will help me, as a PACE Leader, give you the support that the IEEE-USA is committed to. The workshop was developed to provide details of IEEE programs and guidance in helping members facing layoffs or career decisions. I will be including this information and sources for help on this PACE Page. In addition, I will be working on setting up a new workshop to replace the Career Transition Workshop, which apparently is no longer of interest to our section members. If you have any suggestions on areas of professional activities which interest you, please contact me.

The following is the schedule of PACE Activities for the NY Section 1998-1999 year:

November 11: General Meeting
December 9: General Meeting
January 13: Workshop (Subject to be determined)

Peter Greco  PACE Chairman
212-614-3357; Fax 212-529-5237
E-Mail p.j.greco @ ieee.org

IEEE-USA EMPLOYMENT ASSISTANCE

Employment Assistance Information Package:
This free information packet for unemployed non-student U.S. IEEE members includes a copy of the Employment Guide for Engineers and Scientists, salary information, reviews of job-searching tools, advice on local employment-assistance programs, and a variety of other job-search services.

IEEE-USA National Job Listing Service:
This highly rated service offers Web, Gopher and e-mail versions of regional job posting files at Web URI:

www.ieee.org/jobs.html

and e-mail autoresponse files at:

info.ieeusa.jobs.r0x@ieee.org

where x=[Region]1, 2, 3, 4, 5, 6, cal, mass, ill
New York/Long Island Chapter Receives 1998 PES Outstanding Chapter Award

On July 14, 1998, at the 1998 PES Summer Meeting in San Diego, the New York & Long Island Chapter was presented with the Outstanding Chapter Award for excellence in chapter performance under the leadership of chapter chairmen Hazem A. Huss and Raymond C. Amara. It was noted that this award was presented to the New York/Long Island Chapter for an unprecedented 5th time, having won previously in 1975, '80, '88 and '92. Chapter performance is defined as providing technical and education programs for its members, students and the public, and the development, recognition, and advancement of its members.

Hazem Huss, on the left, receives the 1998 PES Outstanding Chapter Award from PES President B. Don Russell at the Power Engineering Society 1998 Summer Meeting.

Roger K. Sullivan has an extensive record of outstanding and dedicated service to the Power Engineering Society as well as to other areas of the IEEE. An active volunteer in the Society since 1962, he served as Chairman of the New York/Long Island Joint Chapter of the Power Engineering and Industry Applications Societies in 1978-79. From 1978, he has been a member of four different technical committees. He served as Secretary of the PES Winter Meeting from 1981-1989, and as its Vice Chair from 1991-1997. Roger spent several years on the PES Governing Board, serving as Chair of the PES Chapters Council from 1992 through 1994, and Constitution and Bylaws Chair from 1996 to 1997. As General Chair, he spearheaded the PES Chapters Congress in 1996 - a first for any IEEE Society. Currently, he is chairing the 2000 PES Chapters Congress.

His service to the Institute is equally as impressive. In 1988 and 1989, he was Chair of the New York Section. He was chair of the Metropolitan Sections Activity Council in 1989-1990. In 1992-1993 he served as Chair of the IEEE Tellers Committee, and functioned as a director of the Electro Conference and Trade Show from 1993 through 1997.

Roger has been recognized for his PES and IEEE contributions on many other occasions. He became a Senior Member in 1972. In 1979, under his chairmanship, the NY/LI Industry Applications Society Chapter won the Large Joint Chapter Outstanding Chapter Award. In 1980, he was a recipient of the PES Working Group Recognition Award. He was presented with the prestigious IEEE Centennial Medal in 1984, and won the Region I Award for the Enhancement of Engineering in 1985. In 1991, he was honored with the PES Chapters Council Award, and in 1992, the IEEE Region I Award for Leadership in the Engineering Design of Electric Power Systems. The IEEE New York Section designated him the recipient of its Distinguished Service Award in 1996.

Roger has been with the Consolidated Edison Company in New York since 1958, the whole of his technical career. He has worked in substations engineering, systems operations, electrical system engineering, electrical plant engineering.

1994 he has been Principal Engineer in Con Ed's nuclear power engineering Electrical Projects and Program Section, responsible for cable separation environmental qualifications and various electrical power studies and programs.

Roger is the co-author of an IEEE Transactions paper entitled “Circuit By Circuit Power Cable Separation in Nuclear Power Plants” and has made major contribution to two published IEEE Standards. He holds a BS in Electrical Engineering from the Cooper Union, and an MBA in Engineering Management from City University of New York. He has been a registered Professional Engineer since 1972. He is a member of Eta Kappa Nu, Tau Beta Pi and Pi T.

Roger Sullivan, on the right, receives the Meritorious Service Award from PES President B. Don Russell at the Power Engineering Society 1998 Summer Meeting.

Reprinted from the IEEE Power Engineering Society 1998 Summer Meeting
"Fuzzy Logic and Soft Computing: Issues, Contentions and Perspectives."

Dr. Zadeh is widely acknowledged as the father of fuzzy logic, a methodology concerned with non-traditional modes of reasoning. Involved in the development fuzzy logic for the past three decades, Dr. Zadeh’s current research interests center on the concept of soft computing as a partnership of fuzzy logic, neurocomputing, and probabilistic reasoning.

He is currently a Professor in the Graduate School at the University of California at Berkeley, and is serving as Director of the Berkeley Initiative in Soft Computing. Prior to Berkeley, Dr. Zadeh was a member of the Electrical Engineering Department at Columbia University, and was a visiting member of the Institute for Advanced Study in Princeton, New Jersey.

Prior to 1965, Dr. Zadeh’s research was focused on system theory, information processing and decision analysis. In 1963, he co-authored with Professor C. A. Desoer a text on linear systems, which laid the foundation for the state-space approach.

In 1965, he published a seminal paper on fuzzy sets which initiated a new direction that led to the emergence of what is commonly referred to today as fuzzy logic.

In recognition of his development of fuzzy logic, Dr. Zadeh has received numerous awards, among them the Honda prize, the Grigore Moisil prize, the Kampe de Feriet medal, the Rufus Oldenburger medal, the IEEE Medal of Honor, the Okawa Prize and the Bolzano medal of the Czech Academy of Sciences. Dr Zadeh is a member of the National Academy of Engineering and a foreign member of the Russian Academy of Sciences. He is a fellow of AAAS, IEEE, ACM and AIEE.
FUZZY LOGIC LECTURE

Sponsored by

ASME & IEEE COMPUTER SOCIETY

RESERVATIONS REQUIRED

Date: THURSDAY, NOVEMBER 12, 1998
Time: LECTURE: 6PM TO 7:30PM
       DINNER: 7:30 TO 9PM

Where: COOPER UNION
       PETER COOPER SUITE
       51 ASTOR PLACE
       New York, NY 10003

Keynote Speaker: Dr. Lotfi A. Zadeh
                 Director of the Berkeley Initiative
                 In Soft Computing.

Subject: CURRENT TRENDS IN FUZZY LOGIC & SOFT COMPUTING

Cost: $25.00 FOR IEEE or ASME MEMBERS OR $30.00 FOR NON MEMBERS
      mail reservations and check required by November 1, 1998

      No "At Door" payment due to limited seating

Please mail your check made payable to:

"METROPOLITAN ENGINEERING SOCIETIES COUNCIL"

with the below portion of this sheet to:

Jim Barbera, 3 Peter Cooper Road, Suite 8C, New York, NY 10010

---------------------------------------------------------------------------------------

"FUZZY LOGIC LECTURE"
November 12, 1998

Fee Enclosed: ____________________________  Phone #: ____________________________
First Name: ____________________________  Last Name: ____________________________
Company: ____________________________  Society: ____________________________
Address: ____________________________
City: ____________________________  State: ___________  Zip: ___________

FOR ADDITIONAL INFORMATION, CONTACT JIM BARBERA
      EMAIL: j.p.barbera@ieee.org  or  FAX: 212 465-8877

---------------------------------------------------------------------------------------
Calendar of Upcoming Events

November 12, 1998 (Thursday) Lecture 6:00 PM   Dinner at 7:30 PM
ASME & IEEE Computer Society
"Current Trends in Fuzzy Logic & Soft Computing"
Cooper Union, Peter Cooper Suite, 51 Astor Place, Manhattan, New York
For more information e-mail Jim Barbera at j.p.barbera@ieee.org or Fax to 212 465-8877

November 12, 1998 (Thursday) 6:00 PM   Refreshments at 5:15 PM
Power Engineering Society and Industry Applications Society, New York and Long Island Chapter
"The Application and Operations of Emergency Power Generator"
Con Edison 19th Floor Executive Dining Area, 4 Irving Place, Manhattan, New York
For more information call James Nucito at (212) 563-7400 Ext. 233 or
David Lau at (212) 330-6268

Congratulations to the following New York Section members upon
their elevation to Senior Member Grade

Sheikh K. Alam
Amr A. El Kadi
Mishra, Bud

Deadlines for information to be placed into future
issues of The Monitor

January Issue............................. November 27, 1998
February Issue............................ December 24, 1998
March Issue............................... January 21, 1999
April Issue................................. February 18, 1999
May Issue................................. March 25, 1999
Engineers and Educators Collaborate to Reach Solutions for Technological Literacy Enhancements

Baltimore, MD, October 14, 1998 - One hundred engineers and educators gathered on October 9-10, 1998, at the Harbor Court Hotel, in Baltimore, MD to collaborate and reach solutions for the enhancements of technological literacy for primary- and secondary-level students worldwide. The educators and engineers were part of the Technological Literacy Counts! (TLC) workshop sponsored by the IEEE (The Institute of Electrical and Electronics Engineers, Inc.).

The delegates represented a cross section of math, science, and technology teachers; school administrators; curriculum developers; practicing engineers and other engineering professionals; technological literacy advocates; and community leaders from the United States and other countries. During the workshop sessions, the delegates focused on the following technological literacy issues:

* definition of technological literacy
* the processes involved in technological learning
* the effects of technological changes on the society
* the initiatives necessary to promote technological literacy

"When we began organizing this workshop, we knew that we wouldn’t be able to solve the issue of technological literacy in one sitting," says Arthur Winston, Ph.D., Vice President of IEEE Educational Activities.

"Our goal in bringing these individuals together, was to put the issue on the table, let them discuss it, present their suggestions and solutions, so a global TLC network can be established." The objective of this workshop was to open communication lines between engineers and teachers for a high-quality primary and secondary math, science, and technology education. “We hope that these 100 people will go back to their communities and convey the message about the importance of technological literacy for the future of our society,” adds Dr. Winston. The TLC workshop is designed to serve as a forerunner for future events related to the issue of technological literacy. For more information on how to become involved in promoting technological literacy among pre-college students, please contact Barbara Coburn, IEEE Educational Activities, 445 Hoes Lane, Piscataway, NJ 08854; Phone: 732.562.5498; Fax: 732.981.1686; E-mail: b.coburn@ieee.org.

This workshop was supported by Baltimore Gas and Electric Company; Ford Motor Company; S.U.N.Y. Binghamton; University of Texas at Austin; IEEE Educational Activities Board; IEEE Regional Activities Board; IEEE United States Activities; IEEE Foundation; and the following IEEE Societies:

Communications Society; Education Society; Electromagnetic Compatibility Society; Electron Devices Society; Engineering in Medicine and Biology Society; Power Electronics Society; Power Engineering Society; Systems, Man and Cybernetics Society; Ultrasonics, Ferroelectrics Society; and Vehicular Technology Society.

The IEEE is the world’s largest technical professional society, serving the interests of more than 320,000 members in the information and electrotechnology communities in approximately 150 countries. In keeping with its “Networking the World” slogan, the IEEE helps to foster technological innovation, enable members’ careers and promote community worldwide.
<table>
<thead>
<tr>
<th>Title</th>
<th>Name &amp; Address</th>
<th>Phone*, Fax Number &amp; E-mail</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chairman</td>
<td>William Perlman&lt;br&gt;Tri-Tech Sales Associates&lt;br&gt;1080 Garden State Road&lt;br&gt;Union, NJ 07083</td>
<td>(908) 851-0370 [B]&lt;br&gt;(908) 851-0749 [F]&lt;br&gt;<a href="mailto:w.perlman@ieee.org">w.perlman@ieee.org</a> [E]</td>
</tr>
<tr>
<td>Vice Chairman Chapter Operations</td>
<td>Michael Miller&lt;br&gt;Con Edison&lt;br&gt;4 Irving Place&lt;br&gt;Room 1006-S&lt;br&gt;New York, NY 10003</td>
<td>(212) 460-4911[B]&lt;br&gt;(212) 505-5917 [F]&lt;br&gt;<a href="mailto:m.a.miller@ieee.org">m.a.miller@ieee.org</a> [E]</td>
</tr>
<tr>
<td>Vice Chairman Section Activity</td>
<td>Jalal Gohari&lt;br&gt;Parsons Brinckerhoff&lt;br&gt;Two Gateway Center, 18th Floor&lt;br&gt;Newark, NJ 07102</td>
<td>(973) 565-4843 [B]&lt;br&gt;(973) 824-7007 [F]&lt;br&gt;<a href="mailto:gohari@pbworld.com">gohari@pbworld.com</a> [E]</td>
</tr>
<tr>
<td>Treasurer</td>
<td>Lewis E. Ettlinger&lt;br&gt;New York University&lt;br&gt;269 Mercer Street&lt;br&gt;New York, NY 10003</td>
<td>(212) 998-1425 [B]&lt;br&gt;(212) 995-4025 [F]&lt;br&gt;<a href="mailto:l.ettlinger@ieee.org">l.ettlinger@ieee.org</a> [E]</td>
</tr>
<tr>
<td>Secretary</td>
<td>Ralph Tapino&lt;br&gt;Con Edison&lt;br&gt;1615 Bronxdale Avenue&lt;br&gt;Building #21A 1st Floor&lt;br&gt;Bronx, NY 10462</td>
<td>(718) 904-4526 [B]&lt;br&gt;(718) 829-5238 [F]&lt;br&gt;<a href="mailto:raltap@aol.com">raltap@aol.com</a> [E]</td>
</tr>
<tr>
<td>Junior Past Chairman</td>
<td>Bertil Lindberg&lt;br&gt;3 Hanover Square&lt;br&gt;Suite 10F&lt;br&gt;New York, NY 10004-2622</td>
<td>(212) 825-1527 [B]&lt;br&gt;(212) 825-1527 [F]&lt;br&gt;<a href="mailto:b.lindberg@ieee.org">b.lindberg@ieee.org</a> [E]</td>
</tr>
<tr>
<td>Senior Past Chairman</td>
<td>William N. Coyne&lt;br&gt;Con Edison&lt;br&gt;708 First Avenue&lt;br&gt;Room 515-E&lt;br&gt;New York, NY 10017</td>
<td>(212) 338-4065 [B]&lt;br&gt;(212) 779-7875 [F]&lt;br&gt;<a href="mailto:w.n.coyne@ieee.org">w.n.coyne@ieee.org</a> [E]</td>
</tr>
</tbody>
</table>
PUBLISHER'S STATEMENT
The IEEE MONITOR is the official news publication of the New York Section of The Institute of Electrical and Electronics Engineers, Inc. The New York Section is comprised of the five boroughs of New York City (Brooklyn, Bronx, Manhattan, Queens and Staten Island) plus Rockland and Westchester Counties. The publication reports on events and activities of interest to the general membership composed of electrical and electronics engineers and computer scientists, presents topical feature material relevant to the engineering profession, and carries the monthly IEEE society chapter calendar of events as a service to its readers.

CIRCULATION
The IEEE MONITOR is distributed to all IEEE members in the New York Section plus additional subscribers. Monthly circulation as of September, 1996 is 6,100.

ISSUE AND CLOSING DATES
The IEEE MONITOR is published monthly except June, July and August. Advertising order deadline is the first of the month preceding issue date. Camera ready material is due on the 5th of the month preceding issue date.

MAILING INSTRUCTIONS
Address all correspondence concerning advertising to:

IEEE Monitor
24 Chamber Lane
Englishtown, N. J. 07726

DISPLAY ADVERTISING RATES
Display advertising space is available in full and fractional page sizes. To qualify for frequency discounts, advertiser must furnish publisher with a schedule of insertion dates. Schedule may be changed by notifying publisher prior to regular deadline date.

<table>
<thead>
<tr>
<th></th>
<th>1X</th>
<th>3X</th>
<th>5X</th>
<th>9X</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full Page</td>
<td>$630</td>
<td>$599</td>
<td>$567</td>
<td>$536</td>
</tr>
<tr>
<td>2/3 Page</td>
<td>490</td>
<td>470</td>
<td>441</td>
<td>417</td>
</tr>
<tr>
<td>1/2 Page</td>
<td>395</td>
<td>375</td>
<td>356</td>
<td>336</td>
</tr>
<tr>
<td>1/3 Page</td>
<td>280</td>
<td>266</td>
<td>252</td>
<td>238</td>
</tr>
<tr>
<td>1/4 Page</td>
<td>225</td>
<td>214</td>
<td>203</td>
<td>191</td>
</tr>
<tr>
<td>1/6 Page</td>
<td>165</td>
<td>157</td>
<td>149</td>
<td>140</td>
</tr>
<tr>
<td>Bus. Card</td>
<td>85</td>
<td>81</td>
<td>77</td>
<td>72</td>
</tr>
<tr>
<td>Col. Inch</td>
<td>35</td>
<td>33</td>
<td>32</td>
<td>30</td>
</tr>
</tbody>
</table>

Covers
Back         755 717 680 642
Inside Back  695 660 626 591

Preprinted Inserts
Four pages: $1,070, no frequency discount.

COMMISSIONS
15% commission allowed to all recognized ad agencies providing payment is received by due date. All ads invoiced on publication closing date. Full payment due 10 days after issue date. Rendering invoice to ad agency does not relieve advertiser in case agency default.

MECHANICAL SPECIFICATIONS
Size
Publication trim size 81/2" x 11"
Image size is 7 1/2" x 10"
Publication is black and white 3 column format. Each column is 14 picas wide.
Color is NOT available at this time.

<table>
<thead>
<tr>
<th></th>
<th>7 - 1/2&quot; x 10&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full Page</td>
<td></td>
</tr>
<tr>
<td>2/3 Page</td>
<td>4 - 3/4&quot; x 10&quot;</td>
</tr>
<tr>
<td>1/2 Page (horizontal)</td>
<td>7 - 1/2&quot; x 5&quot;</td>
</tr>
<tr>
<td>1/2 Page (vertical)</td>
<td>4 - 3/4&quot; x 7 - 1/2&quot;</td>
</tr>
<tr>
<td>1/3 Page (square)</td>
<td>4 - 3/4&quot; x 5&quot;</td>
</tr>
<tr>
<td>1/3 Page (vertical)</td>
<td>2 - 1/4&quot; x 10&quot;</td>
</tr>
<tr>
<td>1/4 Page</td>
<td>4 - 3/4&quot; x 3 - 3/4&quot;</td>
</tr>
<tr>
<td>1/6 Page</td>
<td>2 - 3/4&quot; x 5&quot;</td>
</tr>
<tr>
<td>Bus. Card</td>
<td>2&quot; x 3 - 1/2&quot;</td>
</tr>
</tbody>
</table>
| Col. Inch            | 1" x 2 - 1/3"

Materials
Preferred material for black and white ads is right-reading emulsion side down negative. Halftone screen is 100 lines. Veloxes, other reproducible proofs and laser printed materials are acceptable. Photocopied material is not accepted. Original artwork accepted at advertiser's risk. Composition and assembly to advertiser's layout available at nominal charge. Submit copy and layout for quote.

ADVERTISING POLICY
All advertising is subject to the publisher's approval. Advertisers and their advertising agencies assume all liability for all content including text, illustrations, sketches, labels, trademarks, etc., of all advertising submitted for publishing, and also assume responsibility for any claims arising therefrom made against the publisher.
Years ago I read a management article by an executive concerned with the hiring of new employees. He said there were two qualities he looks for in young college graduates as a basis for employment in his company.

The first quality is the ability to communicate. Obviously without communication skills ideas are trapped in someone's head. People always emphasize the ability to write and speak as communication but what is just as important is the ability to listen. Listening can be fatiguing and that is the reason why so many people fall asleep in churches and auditoriums. One way to help in the listening process is to take notes. By being active, you have a better chance of keeping focused.

The second quality is a good sense of humor. We are frequently admonished not to take ourselves seriously. Although we are told this it is under the assumption that people want to live a more joyful and happy life, it is not true in many cases. Often people are not seeking happiness directly but through another medium such as the attainment of power or money, or both. If a person wants to be viewed as being superior, then it is difficult for them not to take themselves too seriously. After all being superior is a serious matter.

The best advice I can give someone is to be your self. Yourself for the most part is the best you can be. Now if you don't like who you are, you can change. Now most people don't think they can change. And since they believe they can't, believe me they can't.

The human mind is a powerful force for change. In fact, that is what engineers do. They apply science to make a change. Look at all the change engineers have made. Because of engineers, we have cars. With the advent of cars, we have parking. With parking, we have boys and girls getting closer. With boys and girls getting closer, we have more boys and girls. And as you can expect, we sell more cars. I do not have to tell you of the increase in our population every year since the invention of the automobile. Of course, the process stops when there is no longer any room to park.

Now let us use our minds to see how we can change things for the better. First of all everyone can feel rich. If you feel poor, walk into the nearest cancer ward of a hospital. See all the people dying of this dreaded disease. In fact, since you have a brain, you can take this trip mentally. Just picture some poor soul your age suffering a miserable death. See the tubes and hear the heavy breathing. If you are an entrepreneur, you can develop a video of people dying a miserable death. The title of the video can be, "You think you got problems?" When people feel unhappy because their raise was too small, they can view the video and feel so much better.

The best part of our brain is that we can rationalize. There is no reason to be unhappy unless you are lacking necessities. Being cold and hungry is no fun. You can not rationalize a full belly. You can not rationalize a warm coat. However, you can rationalize the everyday annoyances of life. Waiting at a red light shouldn't be torture; it can be looked at as a min-vacation. Just do some deep breathing and collect yourself. I find long lines as a way of meeting people. Some of my best conversations occurred on long lines. If we have nothing else to do, we can converse. I have met numerous acquaintances on the subway.

Most people I meet need an attitude adjustment. For some reason, they are bent on being miserable. The reasons are quite simple. First of all, they tie into the advertisements. Just look at how many women have had breast implants. Imagine having a foreign substance stored in your body to enhance your beauty with the hopes of finding happiness. Then of course look at all the things you can buy. We even have exercise machines. What happened to walking and calisthenics?

Finally, probably the biggest impediment to enjoying life is the belief you do not have enough money. If you think you can buy joy, you are only right if you are buying the detergent, "JOY". Money only buys things and things require maintenance or replacement. If you bought everything, you wouldn't have enough room to store it.

This is where you need a sense of humor. Start to laugh at our stupidity and you will be on your road to true success. And what is success? It is to be happy and joyful right now, with who you are and what you have. And if you are not, maybe you should take some time to think about all those people who just wish they were in your shoe.
The Application and Operations of Emergency Power Generators

Timothy J. Grady of Cooper Power Systems - Kohler Generator Division has 19 years experience in the manufacturing, application and installation of engines and generators in both prime and standby power applications.

The topic of discussion will be technical in nature, including operations and applications relating to the power generation industry. The presentation will be based on approximately 25% theory of operation and 75% on applications and installations.

While concentrating mainly on the components of an emergency power system, Mr. Grady will review various types of loads which affect the sizing of generators and load factors with regard to different types of ratings which can be utilized by curtailable and interruptible rate structures. Also included within Mr. Grady's presentation will be the effects of these ratings on life of overhaul.

Thursday, November 12, 1998
IEEE Technical Discussion Group, NY Chapter PES/IAS

Refreshments: 5:15pm  Program: Starting at 6:00pm
Location:  Con Edson 19th Floor (Executive Dinning Room)
           4 Irving Place
           Manhattan, NY 10003  Nearest Subway: Union Square

Further information:
James R. Nucito, TDG Chairman @ 212-563-7400
David M. Lau, TDG committee member @ 212-330-6268

No charge for admission
Presentation is open to all interested parties

THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEER, INC.