

The Award Winning Catalyst

Pittsburgh Section - American Institute of Chemical Engineers
www.lm.com/~aiche/



Volume 15 Issue 6

March 2001

MARCH MEETING NOTICE

Meeting Sponsor: LCI Corporation

Where: Engineer's Society of Western Pennsylvania
Fourth Avenue, Pittsburgh

When: March 20, 2001

Time: 6:00 Networking
6:45 Dinner
7:30 Presentation

Cost: \$25.00

Menu:

Virginia Spots

English Style, with Lemon Butter Cream Sauce

Chicken Riviera

Boneless Breast of Chicken topped with sliced tomatoes, garlic butter and melted asiago cheese

Entrees are served with fresh garden salad, chef's choice of starch, vegetable, assorted rolls & butter, dessert, and coffee or tea

Evening's Topic:

Forensic Science: The Working of the Allegheny County Coroner's Office.

This technical presentation will consist of a slide presentation showing the present day approach to basic scene investigations.

Dr. Strimlan will discuss the background of the Coroner's office and the history of the Coroner's system. He will then present a slide show of a typical scene investigation. It will begin with the initial call to the Coroner's office through the investigation until the remains are released to the funeral home.

The presentation will conclude with a grouping of various scene investigations including natural, accident, homicide, and flight 427.

About the Speaker

Edward Strimlan, M.D. is a Senior Deputy Coroner at the Allegheny County Coroner's office. He has held this position for 11 years. Dr. Strimlan received his Bachelors of Science from the University of Pittsburgh and his Doctorate in Medicine from the American University of the Caribbean. He completed his clinical training at North Western Hospital, Chicago Illinois. Dr. Strimlan also teaches a course in Criminology and Forensic Science at Point Park College.

RSVP NO LATER THAN MARCH 15TH, 2001 TO:

Please Pay at Door

Mr. Michael Flaherty, Vice Chair
WSP Chemicals & Technology Inc.
Tel 724-266-7688 - Fax 724-266-7683 - michaelp871@hotmail.com

Name _____
Company _____
Telephone _____ Email _____
Entrée: _____

CANCELLATIONS: If you must cancel your meeting reservation, please do so no later than 24 hours prior to the meeting. If you do not provide a cancellation notice, you will be invoiced for the cost of your meal.

LETTER FROM THE EDITOR

Dear Members,

Thank you to *Ed Bockman of FreeMarkets, Inc.* for his intriguing presentation. Mr. Bockman enlightened us on New Economy companies, or "dot-coms", that are looking to engineers to play an important, if non-traditional, role as they test their business models in the global economy. We appreciate you spending time with us at our annual Student Night.

Our joint meeting with the AIChE Student Chapters from the University of Pittsburgh, Carnegie Mellon University, West Virginia University, and Youngstown State University was again a HUGE success. We would like to thank our *Student Night Chair, Mr. Michael Flaherty*, for his hard work in making the evening enjoyable and educational.

This month's meeting sponsor is LCI Corporation. You can now be an AIChE Pittsburgh Chapter Monthly Meeting Sponsor too. With your sponsorship of \$200 you will be invited to display your company information at our meeting and will receive a ¼ page add (\$95 value) in the following Newsletter. We would appreciate your support! Please contact me for further information.

We encourage you to become active in our chapter by volunteering for the various events we support in our community such as Science Fair. Please contact Nancy Hirko (412-433-5914) for the various volunteer positions available.

Peggy Panagopoulos
AIChE Newsletter Editor
ChemTech Consultants, Inc.

STUDENT NIGHT

Student Night Summary

On February 13th, 115 students, professors, and local AIChE members attended AIChE's annual Student Night held in the ballroom of the William Pitt Union on the campus of the University of Pittsburgh.

Before dinner, attendees were able to review research posters presented by:

- *Jordan Green - Carnegie Mellon University*
- *Mahesh Iyer - West Virginia University*
- *David Fenton - West Virginia University]*
- *Phil Lenart - University of Pittsburgh*
- *Daniel Collins - University of Pittsburgh*

The keynote speaker for the evening was Ed Bockman from FreeMarkets. Ed's presentation on the role engineers can play in "New Economy" companies was very interesting and well received by all in attendance.

Professional Pro mise awards were also presented to the following students:

- *Carnegie Mellon University---Vanessa Dorn*
- *University of Pittsburgh----Michael Matuszewski*
- *West Virginia University ----Keith E. Tyo*
- *Youngstown State University ---Carrie Ann Price*

I want to thank all of those who attended and helped to make this year's Student Night a success.

Michael Flaherty
AIChE Vice-Chair

MCAFEE AWARD

The Pittsburgh Section of the American Institute of Chemical Engineers established the McAfee Award in 1982 to recognize a Chemical Engineer who has demonstrated outstanding qualities of professionalism. The award is named for Dr. Jerry McAfee, who exemplified such attributes during his career at the Gulf Oil Company. Appropriately, he was the first recipient in 1982. The award is a \$1,000 honorarium and an engraved plaque. It has been presented every two years to an outstanding Pittsburgh Chapter Chemical Engineer.

The award is made to a distinguished Chemical Engineer who ① is widely recognized for contributing to the profession, ② has community appreciation where she or he lives and works, and ③ has participated in and contributed to the American Institute of Chemical Engineers and the Pittsburgh Section.

The Honor Roll of McAfee Awardees include:

- 1982 Dr. Jerry McAfee, Chairman, Gulf Oil Corporation
- 1983 Dr. Daniel Bienstock, Deputy Associate Director, Project Management, DOE, PETC
- 1986 Dr. Herbert R. Toor, Professor of Chemical Engineering, Carnegie Mellon University
- 1988 Mr. Ezekail L. Clark, Consulting Engineer
- 1990 Dr. Arthur W. Westerberg, Professor of Chemical Engineering, Carnegie Mellon University
- 1991 Dr. Dale L. Keairns, Manager, Chemical and Process Development, Westinghouse Electric Corporation
- 1993 Mr. Walter Zabban, Senior Consultant, Chester Environmental
- 1995 Dr. John W. Tierney, Ph.D., Professor Emeritus, University of Pittsburgh
- 1997 Dr. Charles A. Bishop
- 1999 Dr. Shiao-Hung Chiang

The Pittsburgh Section is seeking to honor an outstanding Chemical Engineer in 2001. Accordingly, the awards committee is requesting that nominations of candidates, along with *vitae* supporting the award criteria, be submitted no later than **March 12, 2001** to:

Mr. Ed Moretti, AIChE Pittsburgh Chapter Chair
Baker Environmental
420 Rouser Road, Coraopolis, PA 15108

Telephone: 412-269-6055
Telefax: 412-269-6097
Email: emoretti@mbakercorp.com

POSITION AVAILABLE

Harding ESE, Inc., a MACTEC Company

Harding ESE, Inc., a MACTEC Company, is a nationally recognized environmental/engineering consulting industry leader. Our Pittsburgh office currently has challenging opportunities for Chemical Engineers. These "seller/doer" leadership positions require 10+ year's experience in one or more of the following areas:

- Multi-media environmental compliance and auditing
- Air pollution control
- Environmental management systems/ISO 14001.

For consideration send resume and salary history/requirements to: **Human Resources Manager, Harding ESE, 700 North Bell Avenue, Suite 200, Carnegie, PA 15106. Fax: (412) 279-8567.** Visit our web site @: www.mactec.com.

CHAPTER ANNOUNCEMENT

AIChE is holding its 53rd Career Fair during the Spring Meeting in Houston, Monday and Tuesday, April 23rd & 24th. Members attending the fair are encouraged to submit their resume to the online Career Fair Resume Database.

Early resume submission will allow employers to review member credentials prior to the fair. On-site interviews will be conducted with qualified candidates. Members unable to attend the fair should also submit (no fee) their resume. To enter a resume visit <http://www.aiche.org/careerservices>

Receive \$100 for your local section. If you or a member of your section gets a company to register for the upcoming Career Fair your section will receive a \$100 "finders fee." Have employers with openings for chemical engineers contact Herb Scheftel at (212) 591-7670 or e-mail herbs@aiiche.org

AICHE SCHOLARSHIP APPLICATION**PITTSBURGH SECTION
American Institute of Chemical Engineers
Undergraduate Chemical Engineering Student
Scholarship Application**

*An online application is available at
www.lm.com/~aiche/*

The Pittsburgh Section of the American Institute of Chemical Engineers (AIChE) plans to award one one-year \$500 undergraduate student scholarship for the 2001-2002 academic year. The recipient must be enrolled full time in the second or third year of an AIChE-accredited curriculum leading to an undergraduate degree in Chemical Engineering, must have completed at least the first year of said program and must satisfy one of the following conditions:

(a) Be enrolled at one of the four chemical engineering programs in the AIChE Pittsburgh Section area (Carnegie Mellon University, University of Pittsburgh, West Virginia University or Youngstown State University).
or
(b) Be enrolled at any AIChE-accredited chemical engineering program in the United States provided that the student is the son or daughter of a member in good standing of both the AIChE and the Pittsburgh Section of AIChE.

The purpose of the Scholarship is to encourage excellence in the profession of Chemical Engineering by recognizing and rewarding those who demonstrate scholastic promise, initiative and dedication to the advancement of science and the Chemical Engineering profession by their achievements and accomplishments as undergraduate Chemical Engineering students.

DEADLINES

Applications will be available from the four University Chemical Engineering Departments noted above, and from the AIChE Pittsburgh Section Scholarship Selection Committee Chairman, Samuel W. Vance, 477 Bartolo Street, Pittsburgh, PA 15243 (Phone (412)-221-1067). Applications will be available January 15, 2001.

Completed Applications must be returned to the AIChE Pittsburgh Section Scholarship Selection Committee Chairman, Samuel W. Vance, 477 Bartolo Street, Pittsburgh, PA 15243, **no later than March 15, 2001.**

The Selection Committee Chairman will notify the successful candidate before April 15, 2001.

All applications received before the deadline will be acknowledged by letter to the Applicant from the Selection Committee Chairman, within five days of receipt of the application.

Visit our March Meeting Sponsor for more information about ***Scepter Stainless Steel Microfiltration Systems and LCI Corporation.*** Representatives will be available during our networking session to answer your questions.

Thank you for your support!!

**NOMINATIONS FOR 2001/2002 AIChE
PITTSBURGH CHAPTER OFFICERS**

Pittsburgh section members may now begin nominating candidates for the 2001/2002 season. Members may nominate themselves.

Offices available include:

- Vice Chair
- Treasurer
- Secretary
- Counselor

Please contact **Ted Andersen ChemTech (Phone 412-220-4555 or E-mail TSAandersen@aol.com)** to nominate yourself or another candidate. Nominations will be open until the deadline for the April newsletter (March 12, 2001). Ballots will be included in the April Newsletter and results will be announced at the May meeting.

Becoming an officer or participating on a committee is a great way to get more out of your AIChE membership. It provides a venue for exercising business skills such as leadership, organizing, communications, and networking as well as developing friendships with fellow members.

**CARNEGIE MELLON UNIVERSITY TO HOST 75TH
COLLOID AND SURFACE SCIENCE SYMPOSIUM**

Over 600 engineers and scientists from around the world are expected to attend the 75th Colloid and Surface Science Symposium at Carnegie Mellon University, June 10 – 13, 2001. This Symposium highlights the latest scientific advances in the broad domain of colloid and surface science and their application to other fields, including materials processing, biotechnology, and environmental engineering. Parallel technical symposia will feature the latest research on surfactants, polymers, thin films, emulsions, suspensions, nanomaterials, biomaterials, adsorption, tribology, interfacial mechanics, rheology, electrokinetics, microfluidics, and environmental phenomena. Nearly 400 oral presentations and over 50 posters are scheduled. Strong attendance from both academic and industrial experts is expected. The Symposium is organized by the Carnegie Mellon Colloids, Polymers and Surfaces Program, the Center for Complex Fluids Engineering, and the Departments of Chemical Engineering and Physics. Registration and other information is available on the web at <http://colloids2001.cheme.cmu.edu>. Register by May 15 to receive an early-bird discount. Questions may be directed by e-mail to colloid@andrew.cmu.edu.

MEMBERSHIP

Membership Corner

LETTER FROM OUR MEMBERSHIP CHAIR

It's that time of year again! Time to renew your membership in both national AIChE and the local section. This is just a reminder to please pay your dues promptly. Not only do you get the many benefits that the national organization offers, but you also help support our local section and its various activities.

Members can also access the AIChE on-line member directory to review and correct their personal and professional data. Check it out at www.aiche.org. And don't forget to send corrections to me as well ~ nhirko@air-comp.com!

**Please sign me up for the local Pittsburgh Section
of AIChE**

Name _____
 Company _____
 Address _____
 City _____ State _____ Zip _____
 Business _____ Residence _____
 Email _____

Annual Dues are \$16.00. Make check payable to "AIChE Pittsburgh Section" and send to our Treasurer John Hauser, PROSAF, Inc. 103 Yorktown Road, McMurray, PA 15317

DEADLINE

The deadline for the March newsletter is **Thursday, April 12, 2001.**

Please contact:
 Peggy Panagopoulos
 ChemTech Consultants, Inc.
 Telephone: 412-220-4612
 Fax: 412-221-5685
 email: pegpana@chemtech88.com

ENGINEERS WEEK
Engineer's Week Recap

Nancy Hirko, Membership Chair

It was another successful event at the Carnegie Science Center for Engineer's Week celebrations. Our local section of AIChE was again one of the most popular tables there for the event held on February 16 and 17. Rubber balls were flying off the table and new chemical compounds were being designed by budding chemists and engineers. One note – the civil engineers have adopted our gumdrop and toothpick idea to build structures. I guess I should have patented the idea. Needless to say, there were plenty of happy attendees.

I would like to thank all of the following that gave generously of their time and helped staff the table this year:

- **Mike Friedrich---Kvaerner**
- **Peggy Panagopoulos---ChemTech Consultants**
- **Leigh Anne Wacker---AEA Technology**
- **William Mentzer---PA DEP**
- **Danielle Mainiero---Bayer**
- **Marion Maniet---AEA Technology**
- **Nancy Hirko---Air/Compliance Consultants**

A special thanks to the following University of Pittsburgh students, who I think enjoyed themselves:

- **Nathan Mitterling**
- **Joel Kaar**
- **Yvette Booth**
- **Dmitri Skliar**
- **Mike Matuszewski**
- **Sara Engel**
- **Katrina Dobbs**
- **Kate Cronin**

MINORITY SCHOLARSHIP

The Minority Affairs Committee of the American Institute of Chemical Engineers awards twenty \$1,000 scholarships each year to college undergraduates and incoming college freshmen that are studying, or plan to study (in the case of incoming freshmen) chemical engineering. Students must be members of a minority group that is underrepresented in Chemical Engineering (i.e. African American, Hispanic, or Native American). We encourage you to invite all students who would benefit from this scholarship opportunity to apply. The deadline for application is **April 16, 2001**.

AIChE Minority Affairs Committee Scholarship Award for College Students is a scholarship award of \$1,000 conferred to an undergraduate in chemical engineering during the 2000-2001 academic year. The student must be a member of a minority group that is underrepresented in chemical engineering. Selection is based on the applicant's academic record, participation in AIChE student and professional activities, career objectives, and financial need.

<http://www.aiche.org/awards/awardddl.asp?AwardID=7>

AIChE Minority Affairs Committee Scholarship Award for Incoming College Freshmen is a scholarship award of \$1,000 conferred to a high school senior who is a member of a minority group that is underrepresented in chemical engineering. Applicants must plan to enroll during the 2001-2002 academic year in a four-year college or university offering a science/engineering degree. Students are encouraged to choose classes leading to a degree in chemical engineering. Selection is based on the applicant's academic record, participation in school and work activities, reason for choosing science or engineering, and financial need.

<http://www.aiche.org/awards/awardddl.asp?AwardID=8>

If you have any questions about the awards, or would like a hard copy of application forms, please contact the AIChE Awards Administrator at awards@aiiche.org <<mailto:awards@aiiche.org>> or (212) 591-7478.

**AICHE PITTSBURGH SECTION
2000-2001 SECTION OFFICERS**

Executive Committee

Chair

Ed Moretti (emoretti@mbakercorp.com)
Baker Environmental
412-269-6055

Vice-Chair & Program

Michael Flaherty (michaelp871@hotmail.com)
WSP Chemicals & Technology Inc.
TEL 724-266-7688
FAX 724-266-7683

Secretary

Bill Hargest (hargest@ppg.com)
PPG Industries, Inc.
TEL 724-274-3364
FAX 724-274-3420

Treasurer

John Hauser (prosaf@sgi.net)
PROSAF, Inc.
724-942-3717

Counselors

Carol Kessler (kesslerc@usfilter.com)
US Filter
412-269-5853

Larry Biegler (lb01@andrew.cmu.edu)
Carnegie Mellon University
412-268-2232

Past Chair & Nominations

Ted Andersen (TSAndersen@AOL.com)
ChemTech Consultants
412-220-4555

Additional Officers and Chairs

Membership & Engineer Week

Nancy Hirko (nhirko@air-comp.com)
Air/Compliance Consultants, Inc.
412-826-3636

Newsletter Editor

Peggy Panagopoulos (pegpana@chemtech88.com)
ChemTech Consultants
412-220-4612

Development

Gerald LaRosa (Gerald.LaRose@Kvaerner.com)
Kvaerner Metals
412-918-3654

Committee Chairs

Safety & Environmental Shiaw Tseng
Scholarship Sam Vance
Student Night Michael Flaherty

Web Master

Richard Dupree (rrd@telerama.com)
724-775-5122

PLACING AN ADVERTISEMENT

Interested in placing an ad in future newsletters?
Help sponsor the AIChE by placing an ad.

Full Page	\$300.00
1/2 Page	\$175.00
1/4 Page	\$95.00
1/8 Page	\$45.00
1/12 Page	\$30.00

Place multiple ads and receive a discount!

Three (3) consecutive ads - 10% off

Eight (8) consecutive ads or more - 30% off

To place an ad, please contact:

Peggy Panagopoulos
ChemTech Consultants, Inc.
1370 Washington Pike, 4th Floor
Bridgeville, PA 15017
Telephone: 412-220-4612
Telefax: 412-221-5685
email: pegpana@chemtech88.com

ENGINEERING HUMOR

A Simple Task

A group of managers were given the assignment to measure the height of a flagpole. So they get their ladders and tape measures and go out to the flagpole. Attempting to measure this flagpole was turning out to be a much more difficult task than any of them had imagined; what with them falling off the ladders, dropping the tape measures and so on, the whole thing had just turned into a total mess.

After a while, an engineer happens along and sees what they are attempting to do. She walks over, pulls the flagpole out of the ground, and lays it flat on the ground. She measures it from end to end, gives the measurement to one of the managers and walks away without saying a word.

After the engineer has gone, one manager turns to another and laughs as he's shaking his head. "Now that's just like an engineer! *We're looking for the height and she gives us the length!*"



The Award Winning Catalyst

American Institute of Chemical Engineers
337 Fourth Avenue
Pittsburgh, PA 15222-2097

ADDRESS CORRECTION REQUESTED

<i>Tentative Meeting Schedule</i>		
<i>Date</i>	<i>Subject (Location)</i>	<i>Special Event</i>
<i>March 20</i>	<i>ESWP, Forensic Science</i>	
<i>April 18</i>	<i>Wheeling-Nisshin Plant Tour</i>	
<i>May</i>	<i>TBD</i>	<i>McAfee Awards Banquet</i>
