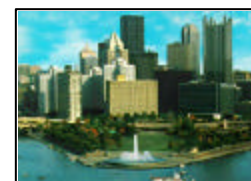


AIChE



The Catalyst

PITTSBURGH CHAPTER
AMERICAN INSTITUTE OF CHEMICAL ENGINEERS



Volume 16 Issue 4



January 2002

JANUARY MEETING NOTICE

THE PITTSBURGH RIVERLIFE TASK FORCE:

A PEOPLE'S PLAN: THE BUILDING OF A VISION FOR THREE RIVERS PARK

**DAVITT WOODWELL, EXECUTIVE DIRECTOR, THE
RIVERLIFE TASK FORCE
DINNER MEETING AND SOCIAL**

Presented by
Air & Waste Management Association, Allegheny Mountain
Section
And
American Institute of Chemical Engineers, Pittsburgh Section

**Penn Brewery, Troy Hill and Vinial Street
(North Side), Pittsburgh, Pennsylvania
Wednesday, January 16, 2002
4:00 - 8:30 p.m.**

Something important is happening. Pittsburgh's three rivers are being rediscovered. After decades of neglect, plans exist for new parks and trails, two new stadiums punctuate the skyline, and major waterfront development projects are on the drawing board. Because of this convergence of economic opportunity and community interest, a challenge exists: How can the people of this region make the most of their rivers? What's the best way to transform this natural resource into a powerful social, cultural and economic driver?

Over the span of 18 months the Riverlife Task Force, a group of major property owners and area philanthropic, civic, governmental and business leaders have worked together to address these questions. Through their work and community interaction a "People's Plan" has been formed offering a vision of an urban waterfront park – "Three Rivers Park" – as the third renaissance of Pittsburgh.

As an update to last year's dinner meeting, **Davitt B. Woodwell, Executive Director, Riverlife Task Force** will provide an overview of this vision -- "Three River Park" and the work ahead to make this plan a reality.

AGENDA

- 4:00 Registration
- 4:30 Program Introduction – *Eric Perl, Harding ESE, A&WMA Allegheny Mountain Section Program Chair*
- 4:35 About A&WMA – *Ed Moretti, Baker Environmental, A&WMA Allegheny Mountain Section Chair*
- 4:40 About AIChE – *Mike Flaherty, Clearwater, Inc., AIChE Pittsburgh Section Chair*
- 4:45 A People's Plan: The Building of a Vision for Three Rivers Park, Davitt Woodwell, Pittsburgh Riverlife Task Force
- 5:30 Questions, Answers, and Discussion
- 6:00 Tour of Penn Brewery – *Brewmaster Tom Pastorius will provide a tour of the Penn Brewery.*
- 7:00 Dinner and Social – *Technical and social conversation amidst a dinner of German specialties, beer, and soft drinks.*
- 8:30 Adjournment

**SPACE IS LIMITED –
PLEASE REGISTER BY JANUARY 11, 2002**

Proceeds will benefit local A&WMA and AIChE scholarship and education programs. Please return this form Ed Moretti, Baker Environmental, 420 Rouser Road, Coraopolis, PA 15108. You may also register instantly by fax at 412/269-6057 or via e-mail at emoretti@mbakercorp.com and send check separately.

Member of A&WMA/AIChE	\$35
Students	\$25

Registration Information:

Name: _____
 Company: _____
 Address: _____
 City: _____ State: _____ ZIP: _____
 Phone: (____) _____
 Fax: (____) _____ email: _____

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.

See Page 2 for BONUS January Meeting



BONUS JANUARY MEETING

"CIRCLES, WRAPPERS AND EYEBALLS" A common sense approach to financial planning

When: Saturday, January 12, 2002,
Time: 9:30 AM to 11:00 AM
Location: Engineers' Society of Western PA
 337 4th Avenue, Pittsburgh, PA 15222
Cost: FREE (Spouses/Guests also welcome)
Menu: Refreshments will be served

Please feel free to invite family members and friends to this presentation that takes a common sense approach to financial planning. No matter how much, or how little you feel you know about money, investments, the market and beating inflation and taxes, you will learn things you may have never heard before!

Duane Daniels, RFC, of The Equity Advisor Group, Inc., will present "Circles, Wrapper, and Eyeballs". This is an *educational seminar* designed to disseminate information and knowledge. We will talk about several important financial planning principles ranging from proper asset allocation and diversification to tax advantaged investing and its effect on your long-term goals. We will show you how these important concepts can have a major impact on your retirement plans. If you want to learn more about your financial well being this educational session is a must! So come, relax and see what we mean by "Circles, Wrappers, and Eyeballs".

Securities offered through FFP Securities, Inc. Member NASD/SIPC Advisory Services offered through FFP Advisory Services, Inc.

Although there is no charge, it is still necessary to **RSVP by Wednesday, January 9th** so that the ESWP can plan appropriately.

RSVP to Michael Flaherty at either michaelp871@hotmail.com or at (412) 889-2060 with the following information:

Name; Professional Affiliation; Company; Contact Phone Number:

LETTER FROM THE EDITOR

Dear Members:

Happy New Year!!

We would like to welcome our new chapter secretary, **Mr. Justin P. Filey (jfiley@ppg.com) of PPG Industries, Inc.** Thank you Justin for volunteering your time. We look forward to hearing your new ideas!

I would like to encourage your participation in this month's meeting. Not only is it a great topic, not to mention the great location, but will also benefit our scholarship fund.

To accommodate your busy schedule, a special topic meeting has been added to the meeting schedule. This presentation will be held on Saturday, January 12th, 2002 at ESWP. Attend this educational seminar and learn more about financial planning. This session is free of charge to you and your family members and friends.

This is also the time to volunteer! Your help is needed with the Rube Goldberg Machine Contest, Future City Competition, and Engineers' Week. The success of these projects is dependent on your help. Please contact **Nancy Hirko (412-826-3636)** for additional information.

Last but not least, we would like to thank **Dick Dupree** for all of his hard work with the local chapter web site. Bookmark our site for convenient browsing. It is updated regularly with new job postings and useful information.

See you on January 16, 2002!

Best regards,

Peggy Panagopoulos
AICHE Newsletter Editor



MEMBERSHIP CORNER

Dear Members,

We are constantly updating our membership database. Please send all change of address notifications to me at

Ashley Smith
Industrial Design Corporation
200 Corporate Center Drive, Suite 200
Moon Township, PA 15108
ashley.smith@idc-ch2m.com

Thanks to all of you for supporting the Pittsburgh local section by volunteering your time to attend meetings and volunteer for the numerous AIChE sponsored activities. I look forward to seeing everyone at this year's activities!

Regards,

Ashley Smith

Membership Chair

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:
Leigh Anne M. Wacker, CFX Software & Services ,
Omega Corporate Center, 1260 Omega Drive,
Pittsburgh, Pennsylvania 15205

POSITION AVAILABLE

Title: Catalysis Scientist

Nature of Position: Developing novel heterogeneous catalysts for use in chemical reactors. One will be leading the Catalysis group and interfacing with staff members.

Location: Ohio

Qualifications: MS or Ph.D. in Chemistry/Chemical Engineering. 5 years industry experience with characterization, synthesis, and testing of catalysts. Proven management and leadership skills are highly desired.

Compensation: Base salary is highly competitive and is contingent upon one's experience. Bonus and stock options are components of compensation plan.

Action: Interested applicants should apply with a copy of their resume and salary requirements to Kate Higgins of Aerotek Scientific via e-mail at khiggins@aerotek.com or by calling 1(800)-711-7910 ext. 4019.

CHAPTER ANNOUNCEMENTS

INTERESTED IN HOSTING AN AIChE MEETING AT YOUR COMPANY?

We are in search of hosts for our future AIChE monthly meetings. The Chapter is looking for companies that can provide AIChE members with an interesting, informative, and beneficial agenda. If your company would be interested in hosting a meeting please contact me.

Also, if you have a topic or an idea that you would like to see presented at a monthly meeting, please feel free to contact me and we can discuss your idea.

Mr. Michael Flaherty, Chair
WSP Chemicals & Technology Inc.
Tel 724-266-7688 ~ Fax 724-266-7683
Email Michaelp871@hotmail.com



CHEMICAL ENGINEERING CONTRIBUTIONS TO MANHATTAN PROJECT TO BE TOLD

Chemical engineers were critical to the success of the Manhattan Project. Yet while the work of physicists and chemists has been well documented, not everyone is aware of the major contributions made by chemical engineers. AIChE wants to help tell these stories.

Members who worked at Oak Ridge, Hanford, Los Alamos, or at a University site who are interested in sharing their experience with *AICHEXtra* for a feature article are asked to contact Sarah Fewster, communications associate, at saraf@aiche.org or 212/591-7257.

AICHE'S CRITICAL ISSUES SERIES: "ENERGY AND A SUSTAINABLE PLANET"

World-renowned experts on global climate change, alternative energy, and nuclear energy, along with participants from education, government, industry, and the media will convene March 10-12 for the first-ever AIChE Critical Issues Series.

This 3-day symposium will generate a lively discussion on crucial issues that will shape the future of the world's economic development, government policy, and quality of life. The Series is free to all Spring Meeting participants. For details and registration information, visit www.aiche.org/criticalissues.

AICHE LOCAL SECTION NEWS SOUGHT

AIChE is looking for news from local sections across the country for publication in *AICHEXtra* and on the AIChEWeb.

It's beneficial to all AIChE members to learn what is happening in individual local sections. Reading this kind of Institute news proves interesting, but it also is a terrific way to share success stories and ideas between sections.

If your local section has recently hosted a special event, had a great speaker, conducted public outreach, honored members, or has any other news to share with other AIChE members, contact AIChE's Communications Department at 212/591-8678; e-mail communications@aiche.org. AIChE is interested in hearing from your section for news in upcoming issues.

SAFETY FIRST, AND FREE

"Reactive Material Hazards: What You Need to Know," is a new Safety Alert that addresses the issues and programs necessary for handling reactive materials safely by chemical manufacturers and users. The Safety Alert, written to be easily understood by non-technical staff, can be obtained free of charge from CCPS by e-mail at ccps@aiche.org or by downloading it from www.aiche.org/ccps/safetyalerts.htm.

HUMOR

Just For Engineers

Reaching the end of a job interview, the Human Resources Person asked a young engineer who was fresh out of MIT, "What starting salary were you thinking about?"

The Engineer said, "In the neighborhood of \$125,000 a year, depending on the benefits package."

The interviewer said, "Well, what would you say to a package of 5 weeks vacation, 14 paid holidays, full medical and dental, company matching retirement fund to 50% of salary, and a company car leased every 2 years - say, a red Corvette?"

The Engineer sat up straight and said, "Wow! Are you kidding?"

The interviewer replied, "Yeah, but you started it."



PITTSBURGH RUBE GOLDBERG MACHINE CONTEST

Engineers Needed for Rube Goldberg Machine Contest!!!!

Dear Engineer or Engineering Student,

2001 is the inaugural year of the Rube Goldberg Machine Contest in Pittsburgh. In cooperation with the Vira I. Heinz Endowment, Pittsburgh-area corporate sponsors, and the Engineers Society of Western PA, the Carnegie Science Center will host this high school contest. The program begins in early October, and culminates with a competition on January 12, 2002 at the Science Center. (Please see www.carnegiesciencecenter.org for more Pittsburgh-specific details. Go to and www.rubemachine.com for additional background info.)

Each Rube Goldberg team consists of three to five high school students and a teacher. In addition, an engineer or engineering student is enlisted to mentor the team in the design, construction and testing of the machine.

Volunteers are needed for this competition. Please consider offering your time and energy to one of the high schools. Please contact Mike Canton (412.374.6165; cantonmh@westinghouse.com) to volunteer or to obtain more information.

The Rube Goldberg Machine Contest brings the ideas of Pulitzer Prize-winning artist Rube Goldberg's "Invention" cartoons to life. Named after, and inspired by the cartoonist Reuben Lucius Goldberg, this Olympics of Complexity is designed to pull students away from conventional problem-solving and push them into the endless chaos of imagination and intuitive thought. To be specific, groups are given an elementary challenge: "Select, peel and wash an apple". But instead of just "solving" the problem, students have to make the solution as complicated and as convoluted as possible. In fact, the more steps -- with a minimum of twenty -- the better the machine. And what a machine! An assemblage of ordinary objects, mechanical gadgets and the oddest odds and ends are linked together mechanically and somehow get to the desired goal. The Rube Goldberg Machine Contest enables students to better understand mathematics and scientific principles through hands-on application by having students design and build an elaborate, multi-stage machine to perform a simple task. Through this process, the students learn engineering principles and practices since they must work as a team building their Rube Goldberg machine, hone their writing and speaking skills and make presentations explaining the concepts and foundations for how their machine works.

PITTSBURGH FUTURE CITY COMPETITION

ENGINEERS' SOCIETY OF WESTERN PENNSYLVANIA NATIONAL ENGINEERS WEEK FUTURE CITY COMPETITION 2002

Call for judges, timekeepers, scorekeepers and volunteers!

The Engineer's Society of Western Pa. (ESWP) in conjunction with the Carnegie Science Center will present the Future City Competition 2002 in the Pittsburgh area. The Future City Competition, asks middle school students to create -- first on computer and then in large, three-dimensional models -- their visions of the city of tomorrow.

The Future City Competition is looking for volunteers on January 26, 2002 in the following areas:

- * Judges for Team Presentations
- * Time Keepers
- * Score Keepers
- * Model Movers
- * Registration
- * Floor Assistance

This year's competition will be held at **PNC Park**. If you or anyone in your company is interested in volunteering for any of these areas please call or email:

Janet Henke at henkej@csc.clpgh.org or 412-237-1640

Thank you!

Carl W. Schwartz

412-374-3678

**HOT NEWS****NOVA CHEMICALS CONTRIBUTES TO AIChE'S
21ST CENTURY CAMPAIGN**

NOVA Chemicals Corporation has pledged \$150,000 to the AIChE Foundation's 21st Century Campaign, Andrew Greene, AIChE's director of development, announced this month. "We are very pleased to acknowledge NOVA Chemicals' support of the campaign, which includes the development of new technology, performance-based educational tools for chemical engineers and operators, and public outreach programs."

NOVA Chemicals makes ethylene and polyethylene, styrene, and styrenic polymers used in the manufacture of plastic and foam products and components for consumers and industrial users. NOVA Chemicals sells its products mostly in Canada, the US, Europe, and Asia and operates plants in both North America and Europe. NOVA Chemicals is the largest producer of styrene, polystyrene, and expandable polystyrene in the US.

Jeffrey M. Lipton, president and CEO of NOVA Chemicals, believes the work AIChE is doing will help shape the future of chemical engineering by continuing to develop breakthrough research in collaboration with industry and by disseminating relevant, topical technical information to chemical engineers worldwide.

According to Lipton, "NOVA Chemicals is committed to delivering products that enhance and improve quality of life. We appreciate AIChE's efforts to communicate the value of the chemical technology industries and the chemical engineering profession."

The campaign's public outreach efforts utilize AIChE's extensive network of local sections. This grassroots approach empowers local sections to educate the public about the importance of chemical engineering-one community at a time. The campaign's school-based initiatives combine the latest information technology with topics that capture a child's interest to teach students about the profession. For instance, one such program features a study on nature's chemical engineer: the honeybee.

Lipton, a chemical engineer, has joined the Campaign Executive Committee (CEC), which is led by honorary chair Edgar S. Woolard Jr., the chairman and CEO (retired) of DuPont and two co-chairs, John A. Krol, chairman and CEO (retired) of DuPont, and William S. Stavropoulos, chairman of The Dow Chemical Company. The chair of the Member Campaign Steering Committee

is Edward R. H. McDowell and the vice chair is James M. Braus.

According to Greene, the campaign goal is \$9 million, of which \$8.3 million has been raised so far: \$6.5 million from corporations and foundations, and \$1.8 million from AIChE's members.

For more information on the 21st Century Campaign, visit the Web site below.

<http://www.aiche.org/foundation>

COLD EARS NO MORE

On December 21, 1873, 15-year-old Chester Greenwood of Farmington, Maine invented the earmuff. Unable to keep his ears warm while ice-skating, Greenwood fashioned two ear-shaped loops from wire and sewed fur on them. He patented an improved model as Greenwood's Champion Ear Protectors. Farmington, Maine, the Earmuff Capital of the World, annually celebrates Greenwood's birthday on the first Saturday in December, with a parade, ceremony, and annual dip in the lake by the local polar bear club.

NEWSLETTER DEADLINE

**THE DEADLINE FOR THE JANUARY NEWSLETTER IS
JANUARY 16, 2001.**

Please submit information to
Peggy Panagopoulos at
ChemTech Consultants
1370 Washington Pike, 4th Floor
Bridgeville, PA 15017
pegpana@chemtech88.com or Fax: 412-221-5685



AICHE PITTSBURGH SECTION 2001-2002 OFFICERS

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

Vice-Chair & Program

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724-695-1945

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Justin P. Filey (jfiley@ppg.com)
PPG Industries, Inc.
724-274-3529

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(leigh.wacker@cfx.aeat.com)
412-893-1005

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412-942-3717

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

Past Chair & Nominations

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

Additional Officers and Chairs

Membership Chair

Ashley Smith, (ashley.smith@idc-ch2m.com)
Industrial Design Corporation
412-269-4538

Newsletter Editor

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

Engineers' and Chemistry Week

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

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

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

Please contact ~ Peggy Panagopoulos

ChemTech Consultants, Inc.

1370 Washington Pike, 4th Floor, Bridgeville, PA 15017 ~ Email pegpana@chemtech88.com



Catalyst

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

Tentative Meeting Schedule for 2001-2002

Date	Event	Location
Jan 12	Financial Planning Principles	ESWP
Feb 20	Student Night	William Pitt Union Hall
March 19	TBA	TBA
April 17	TBA	TBA
May 15	Spring Event	TBA
