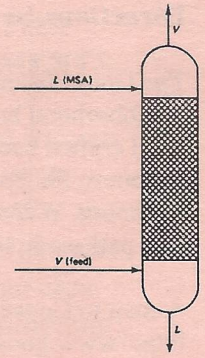




Chicago Section Columns

Chicago Chapter - American Institute of Chemical Engineers - September 2000
www.aiche-chicago.org



SEPTEMBER MEETING NOTICE

Wednesday, September 13, 2000
Goose Island Brewing Company
1800 N. Clybourn
Chicago, IL 60614
312-915-0071

Agenda:

Cash Bar	5:30 - 6:15
Dinner	6:15 - 7:00
Section Business -	
Past Chair Service Recognition	7:00 - 7:15
Speaker - Brewmaster, Goose Island Brewing Co.	7:15 - 7:25
Speaker - James R. Platania, CFP	7:25 - 8:25

Dinner Menu:

- ◆ Meatloaf with mashed potatoes and green beans
- ◆ or Deep-fried Pike fish (in corn meal) and chips (hand-cut french fries)
- ◆ or (for vegetarians) Wild Mushroom Risotto with red pepper sauce
- ◆ Cheesecake
- ◆ Soda, tea, and coffee included.

Cost:

\$20 for members
\$22 for non-members
No charge for AIChE Student Chapter Members
(see your advisor).

Make your reservations by calling
(847) 647-1347 or emailing ellsull@suba.com
by September 8, 2000 before 12:00 noon.

Topic: Financial Planning

Jim will discuss keys to successful financial planning. His talk will include identifying the process which takes you from evaluating your goals to implementing your plan, and keeping it current with review. Jim will also touch on utilizing retirement plans such as 401(k) plans, traditional and Roth IRA's.

About the Speaker:

James R. Platania, CFP

Jim has helped people with their retirement planning since 1982. He specializes in providing investment and retirement planning. He also provides financial and retirement seminars to corporations. Jim has been widely quoted in the financial press, including USA Today, the Chicago Tribune, Worth Magazine, and many more. He has appeared on WLS-TV's "News Views" with Alan Krashesky, CNBC's "Market Wrap," and CLTV's "Making Money."

He is past president of the Chicago Society of the Institute of Certified Financial Planners, and is listed in Who's Who in Finance and Industry. He is a registered principal with Financial Network Investment Corporation, a Registered Investment Advisor and Broker/Dealer, member SIPC.

In October of 1993, Jim was an invited speaker at the Personal Economic Summit held in Washington, D.C., where he addressed legislators, educators, and the media on how Americans should save and invest for the future.

Directions to Goose Island:

The Goose Island Brewery is a friendly, welcoming neighborhood brewpub that makes a rich variety of hand crafted beers. Goose Island is located in the 1800 Clybourn Shopping Complex, at the intersection of Clybourn, Willow, and Sheffield. There is plenty of free parking in the shopping complex parking lot.

A map to Goose Island can be found at <http://www.gooseisland.com/clymap.html>

From The North, take I-90 (Kennedy) or I-94 (Edens) and get off on the North Avenue exit and head east. At the second light, you will hit Sheffield. Take a left onto Sheffield and the next left will be Marcey Street, which is a diagonal street between Best Buy and Crown Books. Take the left on Marcey and Goose Island is located at the first stop sign.

From the South, take the I-55 (Stevenson) or the I-90/94 (Dan Ryan) to I-90/94 (Kennedy) going north towards Wisconsin. Get off on the North Avenue exit and head east. Then follow the same directions given above.

From the West, take I-290 (Eisenhower) east towards the city. Take I-90/94 (Kennedy) going north towards Wisconsin. Get off on the North Avenue exit and go east. Then follow the same directions given above.

CHAIRPERSON'S CORNER

Suzette Wick
Chair 2000/2001
Chicago Section of AIChE

Welcome to the 2000/2001 program year of the Chicago Section of AIChE. We are proud to be the first local section recognized by the AIChE in 1925. It was a pleasure to meet with the over 80 members who attended our gala celebration of the 75th Anniversary last May. Dignitaries attending the event included Bruce Finlayson, President of AIChE and Glenn Taylor, and the Executive Director of AIChE. The celebration honored over 50 local area engineers who have made a significant contribution to the profession. I thank those who took the time to submit the nominations and congratulate the honorees.

The Chicago Section consists of over 1,100 chemical engineers located in and around the Chicago metropolitan area. Our mission is to advance chemical engineering in theory and practice, to maintain a high professional standard among our members and to serve society, particularly where chemical engineering can contribute to the public interest. The Section relies on over 70 dedicated volunteers who support initiatives such as student outreach, government interaction, awards and recognition, university student chapters, website development, programs and membership. Participation in the section as a volunteer is highly rewarding and we always need the help. Please contact one of the Officers if you are interested.

We hold eight general meetings during the program year generally on the second Wednesday of the month, September through May, skipping December. Section volunteers put a significant amount of energy into developing meeting programs that interest all of our members. We try to locate the meetings around the region so all members have an opportunity to attend a meeting near to where they live or work. The meetings usually consist of a fine dinner and an interesting speaker. Significant time is also set aside for socializing. The Program Committee, headed by Ganesh Venimadhaven, has put together and outstanding lineup this year. Please look for the related article.

One advantage of membership in the Chicago Section is the opportunity to meet and network with Chicago-area chemical engineers in a non-work setting. Informal discussion with your peers can help solve that tricky technical issue or open doors that advance your career. Please mark your calendar and plan to attend one or more meetings this year.

The Chicago Section has several major initiatives this year in addition to the monthly meetings.

- **Officers' Conference:** Every June, AIChE holds an Officers' Conference for the Local Sections. At this year's conference in Washington, D.C., the Chicago Section was

selected to host the 2001 conference. This is a significant honor that was campaigned for by several Sections last year. The current plan is to hold the event at McDonald's University in Oak Brook. Arrangements are also being made to have an awards dinner at the Shedd Aquarium.

- **Technical Seminar:** This is the third year that the Chicago Section has organized a daylong technical seminar on a topic of interest to the chemical engineering community. This year's seminar will address the latest in separation technology being practiced in the pharmaceutical industry. The event is sponsored by and held at the Searle Company corporate offices in Skokie.
- **Career Fair:** Work is in progress, in conjunction with the Professional Development Office at AIChE, to bring a Chemical Engineering Career Fair back to Chicago. This will be a repeat of the highly successful career fair held in 1997 in Rosemont.
- **PE Review Course:** Obtaining state licensure is career enhancing and personally satisfying; however, passing the test requires discipline and study. An excellent method to ensure success is to take a course. The Chicago Section, with the help of Raja Venkateswar, has put together a fine group of instructors to teach the only chemical engineering PE review course in the Chicago area. The cost is only \$495 and that includes the textbook, the solutions manual and a practice exam. The course will begin in January at Wilber Wright College in preparation for the April 2001 exam.

Chicago Section Columns is published eight times a year by the Chicago Section AIChE. Opinions expressed herein are those of the authors and are not necessarily those of the officers of the Chicago Section. Copy for inclusion in the next Chicago Section Columns must be received no later than August 25, 2000.

The objectives of the AIChE are to advance chemical engineering in theory and practice, to maintain a high professional standard among its members and to serve society, particularly where chemical engineering can contribute to the public interest. If you have any questions or comments regarding the newsletter please contact Mark Kuehne, NL Chemical Technology, 479 Business Center Drive Suite 100, Mount Prospect, IL 60056; Phone 847-824-2888; Fax 847-824-2898; MarkKuehne@aol.com.

NOMINEES TO HONOR ROLL FOR ENGINEERING ACCOMPLISHMENTS

The 75th Anniversary of the Chicago Section was held on May 20, 2000. As part of the celebration, 75 people were nominated to the Honor Roll for Engineering Accomplishments by Chemical Engineers in the Chicago area. Throughout the year, we will be highlighting some of these individuals and their achievements in each issue of *Columns*. Thanks again to everyone who helped make this event special.

Leslie Burris:

Education: B.S. Ch.E. University of Colorado
M.S. Ch.E. Illinois Institute of Technology

Leslie Burris has been an active member of both the National AIChE and the Chicago section for many years. His work with these groups includes participation in preparing the guidelines for the Thiele Award, and he has been an active member of many local and national committees and divisions. Leslie has authored and co-authored over 50 publications and articles, as well as receiving many achievement awards during his career.

His 44 years in the application of chemical engineering principles to the nuclear industry have brought about many significant contributions including:

- The Halex process for solvent extraction
- The melt refining process for Experimental Breeder Reactor II fuel
- Numerous pyrochemical processes for dealing with irradiated oxide fuels

Gustav Egloff:

Education: A.B. Columbia University
Ph.D. Chemistry Columbia University
D. Sc. Polytechnic Institute of Brooklyn
D. Sc. Illinois Institute of Technology

In his career of more than 40 years, Gustav Egloff was instrumental in developing some of the most outstanding processes for the refining and treatment of crude oils, gasoline and natural gas. He devised a multiple coil process for cracking crude oil that increases the yield of high-octane gasoline. This made possible a 40

percent increase in efficiency of planes and cars. Gustav Egloff wrote over 500 technical articles and was awarded in excess of 300 patents in the United States and abroad. Further, he was an active participant in more than a dozen engineering and technical societies.

Herman Pines:

Education: Ph.D. University of Chicago

Herman Pines spent many years working for Universal Oil Products (UOP). Working with Gustav Egloff and Vladamir Ipatieff, they discovered the alkylation of alkanes, a process that allowed refineries to convert waste gasoline into high-octane gasoline. Herman Pines holds 145 patents on processes that have been used in commercial applications ranging from modern laundry detergents to the manufacture of perfume. He was a member of both the American Chemical Society and the American Institute of Chemical Engineers. In addition to the many awards he received, Herman Pines has authored over 260 articles and publications.

Richard Snow:

Education: A.B. Harvard University
M.S. Virginia Polytechnic Institute
Ph.D. Illinois Institute of Technology

Richard Snow is a pioneer in the use of computers to model chemical processes. His work led to the use of computers for more rigorous representations of the rates of underlying reactions, which can then be extrapolated to different temperatures. He also developed one of the first chemical thermodynamics programs to predict the composition of reaction mixtures such as rocket exhaust, flares, and other industrial processes. Further, over a 10-year period Richard Snow developed a very thorough model of the paperboard drying process. He has over 60 publications and continues to be an active participant in both the national and local sections of AIChE as well as many other service organizations. Richard Snow chaired the 50th Anniversary celebration committee for the local section and helped to plan the 75th Anniversary celebration.

AIChE OFFICERS' CONFERENCE

The Chicago Section has the honor to host the AIChE Officers' Conference this coming May/June 2001. Anyone interested in volunteering to help plan the event, please contact Alan Levine at 630-886-4917 or alevine@eng-sol.com.

VOTE IN NATIONAL AIChE ELECTIONS!

Don't forget to vote in the current national election of the AIChE Board of Directors. A Vice President, a Secretary, and four Directors will be selected. The following is the list of candidates:

National AIChE's 2000 Election Slate

Vice President Candidates

Bill Byers, *CH2M Hill*
Sid Sapakie, *General Mills*

Secretary Candidates

John Chen, *Lehigh University*
Steve Weiner, *Pacific Northwest National Lab*

Director Candidates (four are elected)

Peter Pujado, *UOP Des Plaines, IL*
Mike Shuler, *Cornell University*
Robert A. Katin, *Robert A. Katin PE Company*
Nirmal Chatterjee, *Air Products & Chemicals, Inc.*
Chen-Hwa Chiu, *Texaco*
Barbara Glasscock, *California State Polytechnic University*
Dennis Hendershot, *Rohm & Haas Company*
Edgar Hernandez, *Edgar Hernandez Patino & Assocs.*
Jim Hill, *Iowa State University*

More information is available in *AIChExtra*: Profiles of the Vice President and Secretary candidates appear in June, followed by profiles of candidates for director in July. The August issue will include messages from each of the candidates indicating their vision for helping the Institute serve its members and the profession. This information also can be obtained from AIChE's website: <http://www.aiche.org/candidates/>

OUTREACH CHALLENGE 2000

The Student Outreach Committee challenges YOU to visit one school before June 2001 to tell children what Chemical Engineering is. That's right, we think EVERY MEMBER could visit one school. It could be your child's school, your grandchild's school, your alma mater, a school affiliated with your place of worship, or a school from our list. Perhaps you could speak to your local scout troop. This is your personal way to contribute to science and math education for children in your area. Perhaps your presentation will convince a child that a career in science is not boring, unattainable, or socially disastrous.

Watch this space and the AIChE Chicago Section Web Site for more information. As always, we have a speaker's kit available. Those of you that contacted the committee last year will be contacted in early fall. Some of the schools visited last year have asked for return visits.

When you do visit a school, let us know!

If you have any questions, or if you want to report a visit, let us know about a visit we should make, or volunteer to visit, contact Annette Johnston at Annette.Johnston@abbott.com, Annette.Johnston@juno.com or (847) 935-5120.

STUDENT OUTREACH COMMITTEE MEETING

The next Student Outreach Committee meeting will be on August 22 at 6 pm. In the past, it has been up at Abbott Labs. We are searching for a more central location. If you are interested in attending, please contact Annette Johnston at Annette.Johnston@abbott.com for details.

As you have seen in another article, our main focus is to visit as many students as possible. Other requests for project mentors, science fair judges, and presentations will be posted at meetings and on the web site. When interested members are available, these needs will be filled (this happens most of the time).

Our agenda is to devise a plan for

- Updating the speaker's kit
- Printing and maintaining distribution of new copies of the speaker's kit
- Maintaining the growing database of students, volunteers and teachers involved in school visits.

Also, any requests that have already come in will be discussed. There are some requests for project mentors. Also, we will have some requests for participation in Engineers Week 2001.

A volunteer that is good at Microsoft Access or an equivalent database program would be particularly helpful to us. Any suggestions for new classroom demonstrations or ice breakers would also be helpful. We will be looking for a volunteer for compiling demographic data for the speaker's kit (such as salaries, number of graduates, universities offering programs).

I hope to hear from at least a dozen of you.....

Annette Johnston, Annette.Johnston@abbott.com
(847) 935-5120

TREASURER'S REPORT

As indicated in the following numbers, the financial state of the Section is sound. We carefully watched costs over the last few years to increase the net assets. This strategy allows for an adequate 'rainy day' fund.

ASSETS	8/31/98	8/31/99	7/10/00
Dreyfus Fund	\$ 9,392	\$ 9,821	\$ 10,108
First Bank	\$ 3,918	\$ -	\$ -
LaSalle Bank N.A.	\$ 9,769	\$ 19,840	\$ 27,779
TOTAL ASSETS	\$ 23,079	\$ 29,661	\$ 37,887

CASH FLOW REPORT, 6/31/99 through 7/10/00

INFLOWS	
Dreyfus Fund Dividend	\$ 356
LaSalle Bank Interest	\$ 327
Local Dues	\$ 20,238
Meeting Income-Collections	\$ 9,759
Seminar Income	\$ 4,704
Sponsorship	\$ 4,912
Uncategorized Inflows	\$ 261
TOTAL INFLOWS	\$ 40,557
OUTFLOWS	
ACS-Office Rental	\$ 492
Awards	\$ 650
Committee Expenses	\$ 1,533
Credit Card Expenses	\$ 152
Diamond Celebration	\$ 4,937
IEC Donation	\$ 995
Meeting Expenses	\$ 8,402
Miscellaneous Expenses	\$ 676
Officer's Conference	\$ 288
Publication Expenses	\$ 10,900
Symposium Expenses	\$ 4,608
TOTAL OUTFLOWS	\$ 33,633
OVERALL TOTAL	\$ 6,925

1999-2000 SPONSORS OF CHICAGO SECTION AIChE

The Chicago Section of AIChE gratefully acknowledges the following sponsors for their financial contributions to the section during the 1999-2000 year.

General Meeting Sponsors

Doyen and Associates, Inc.	\$500
Engineering Solutions, Inc.	\$500
UOP	\$1000

Seminar Sponsors

AIChE National	\$200
----------------	-------

Diamond Celebration Sponsors

John E. Swearingen	\$100
Equistar Chemical	\$200
Allan Fluharty	\$100
Steve Cloutier	\$100
N. Sankaran	\$100
R. Anderson	\$100
Rich Products, Inc.	\$500
Jack Potts	\$100

2000-2001 CHICAGO SECTION PROGRAM NOTES

Ganesh Venimadhavan, Vice-Chair Programs

The Programs Committee has worked to create a program that will increase member interest and participation in the Section. Following is a summary of the current program plan as of August. Not all of the details have been finalized, and some dates, speakers and locations may change. Changes will be reported in upcoming *Columns* and on the Section's website.

Date	Topic	Location	Remarks
Sept. 13	Brewmaster/ Financial Planning	Goose Island Brewery, Clayborne	Talk on FP by Jim Platania CFP
Oct. 11	Fuel Cell Tech/ Hybrid Cars or a Tour of a Kraft plant		Hybrid Cars speaker from the Rocky Mountain Inst./ Fuel Cells speaker from UOP?
Nov. 8	IEC 161511 and ISA S84 Safety Standards Update	Wellington, Arlington Hts.	Talk by Angela Summers, PhD, SIS-Tech Solutions. Meeting jointly hosted with ISA.
Jan. 10	Social Night	Downtown Chicago	Suggestions include: Civic Orchestra, Comedy Club, Play, Dinner Theatre, Blue Man Group, Dinner Cruise?
Feb. 13 (Tuesday)	DCS- Delta V?	TBD	
March 14	All day seminar- SMB- Searle Pkwy/ Managers Night- Innovation/ Creativity	Searle (for evening meeting)?	
April 11	Student Poster session/ A well known Professor of Chemical Engineering	UIC	Suggestions include: Scott Fogler, Stewart, Bird, Felder, Rousseau
May 9	Plant Tour in Joliet- Dow/Mobil/BAS F/ Elections	TBD	We need to include/ involve members in the far South-West
June 1-4	Officers Conference	Mc Donald's Univ.	

Other topics/suggestions:

- Electronic procurement/E-commerce
- Water Reclaim. Tour
- Field Instrumentation/ Field Bus communication
- O'Hare- behind the scenes operations



*A WORLD CLASS FAMILY-OWNED
FOOD INDUSTRY LEADER, INNOVATOR*

"CARING FOR CUSTOMERS LIKE ONLY A FAMILY CAN™"

Rich's excels as an innovative family-owned company who will treat our customers like family. We want to be our customers' first choice as a long-term business partner because we are reliable, responsive to your needs, easy-to-do business with and committed to providing great-tasting, quality products and customized solutions to help you grow your business.

Rich's World Headquarters is in Buffalo, N.Y., minutes from Niagara Falls, and is home base for over 1,400 corporate and Rich-affiliated business Associates.

Rich's International Associate Family totals over 1,000 and is growing...fast!

- The Rich's flag proudly flies in Australia, Belgium, Canada, Colombia, China, India, Israel, Italy, Korea, Mexico, South Africa, Thailand, and the United Kingdom...to name a few.

Rich's Manufacturing Team is "the pride of the fleet" and is over 5,000 strong!

- Topping and Icings Plants: Buffalo, NY; Claremont CA; *Niles IL*; Suzhou, China; Pune, India
- Dough Plants: Appleton, WI; Fresno, CA; Marlborough, MA; Murfreesboro, TN; Winchester, VA; Ophirton, South Africa
- Specialty Plants: Hilliard, OH; Gallatin, TN; West Palm Beach, FL; Jon Donaire, two in CA, and Toluca, Mexico

Rich's is also parent company to wholly owned subsidiaries:

- Rich-SeaPak Corporation, a frozen seafood manufacturer with facilities in St. Simons Island, GA and Gloucester, MA
- Casa Di Bertacchi Corporation, an Italian specialties producer based in Vineland, NJ
- J.W. Allen, a bakery category leader based in Wheeling, IL

Additional members of Rich's "extended-family" include strategic alliances formed with:

- Sara Lee Bakery -- Chicago, IL
- Suiza Foods - dairy leader based in Dallas, TX
- CoDap - European Aseptic leader based in Naples, Italy
- Fiera Foods - Bakery innovator based in Toronto, Canada
- UFM - bakery manufacturer in Thailand
- TEAM Acegrasas - Leading manufacturer distributor in the Latin American region

Finally, Rich's family of non-food related businesses include:

- Buffalo Bisons, Triple-A International League affiliate of the Cleveland Indians.
- Wichita Wranglers, Double-A Texas League affiliate of the Kansas City Royals
- Jamestown Jammers, Single-A New York-Penn League affiliate of the Detroit Tigers
- Palm Beach National Golf and Country Club
- The Travel Team Inc., Buffalo, N.Y. based corporate/leisure full service travel agency

DATED MAIL



Chicago Section Columns
American Institute of Chemical Engineers
7177 N. Austin
Niles, IL 60714

Non-Profit Org.
U.S. Postage
PAID
Chicago, Illinois
Permit no. 3201

AIChE Chicago Officers and Board Contacts

<u>Position</u>	<u>Individual</u>	<u>Company</u>	<u>Phone</u>
Chair	Suzette Wick	Dedert Corporation	(708) 747-7000 suzette@dedert.com
Chair-Elect	Allan Fluharty	The C.P. Hall Company	(708) 594-5959 afluhart@cphall.com
Vice-Chair Program	Ganesh Venimadhavan	UOP	(847) 391-1322 gvenimad@uop.com
Treasurer	Alan Levine	Engineering Solutions, Inc.	(630) 886-4917 alevine@eng-sol.com
Secretary	Dennis O'Brien	UOP	deobrien@uop.com
Past Chair	Rebecca Abshire	American Pharmaceutical Partners	(708) 450-7657
Academic Liaison	Linda Broadbelt	Northwestern University	(847) 491-5351
	G. A. Moonsori	UIC	(312) 996-5592
	Fouad Teymour	IIT	(312) 567-8947
Awards & Nomination	Cathy Zimmerman	BP	(630) 420-4390
Constitution & Bylaws	Shannon Brown		(630) 369-8145
Continuing Education	Raja Venateswar	Earthtech	Varuag@aol.com
Directors At Large	Gloria Fountain	Unilever HPC USA	(773) 292-8044
	John Forgac	BP	(630) 420-4960
	Dana Parker	IRI	(312) 454-4895
Government Interaction	Bill Palm		(847) 581-1749
House	George Jarvi	Clark Refining	(708) 385-5000
	Rebecca Patrick	Cognis Group	(815) 939-6088
IL Engineering Council	Bill Sandstrom (chair)	US EPA	(312) 886-6028
	Jeff Perl	Chicago Chem Consultants	(312) 226-2436
	Dan Reuben	Fluid Equipment	(847) 392-9082
Industrial Liaisons	Craig Christofidis	Vision 123	(847) 931-1806 craige@vision123.com
Job Posting	Gerald Bard	Matthew, Benjamin, & Bard	(414) 279-6394
Meeting Programs	Ganesh Venimadhavan	UOP	(847) 391-1322 gvenimad@uop.com
Membership	Cathy Zimmerman	BP	(630) 420-4390
Publicity	Mark Kuehne	NL Chemical Technology	(847) 824-2888
	Lisa Alexander		(815) 356-7543
Sponsorship	N. Sankaran	UOP	(847) 375-7893 nsankara@uop.com
Student Outreach	Annette Johnston	Abbott Labs	(847) 935-5120
Special Projects	Alan Zagoria	UOP	(847) 375-7335
Thiele Award	James Simnick	BP Research	(630) 420-5936
Webmaster	Roger Masson	Chicago Chem Consultants	(312) 226-2436