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**New Haven Section**  
**VOLUME 20, NUMBER 2, April/May 2003**

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**April 24, 2003 – NEW HAVEN SECTION MEETING**

**Antonio Ciccone**

will present

**"Chemistry Keeps Us Clean"**

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**May 20, 2003 – NEW HAVEN SECTION MEETING**

**(Joint meeting with the AIChE Yankee Clippers)**

**Sr. M. V. Orna, Professor of Chemistry**

will present

**"Our Chemical Heritage: Its Impact on Our Daily Lives"**

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**Section News and Announcements**

- Connecticut State Science Fair winners
- National Chemistry Week winners
- Chamberland Award announcement
- Words from the Chair

## April Section Meeting

### *Fantasia Restaurant*

Thursday April 24, 2003

**Antonio Ciccone**

will present

### *Chemistry Keeps Us Clean*

Fantasia  
404 Washington Avenue  
North Haven, CT  
(203) 239-3109

Social Hour: 5:30 p.m.  
Dinner: 6:15 p.m.  
Lecture: 7:15 p.m.

**Abstract:** The talk highlights a few examples of how chemistry helps keep the environment clean. One topic is the use of gas scrubbers in chemical processes. A scrubber disposes of toxic and hazardous gases, such as the by-products of chemical reactions.

A second topic is the chemistry of catalytic converters for automobiles. The combustion of hydrocarbon fuel in the combustion engine of a car affords numerous gaseous pollutants. The lecture will discuss the chemistry involved in "neutralizing" these products.

Lastly, the talk will address electrostatic precipitators. These are devices used in smokestacks for immobilizing polluting flue gases.

**Brief Biographical Sketch:** Antonio Ciccone. Chemistry and Ecology teacher, Seymour High School, Seymour, Connecticut.

Antonio Ciccone graduated *cum laude* from Fairfield University, Fairfield, CT in 1978, with a BS in Chemistry. In 1980, he received his MS in Analytical Chemistry from Seton Hall University, South Orange, NJ. He worked for American Cyanamid, Stamford, CT, from 1980 to 1992 as Analytical Chemist and Hazard Evaluation Laboratory Team Leader where he published several papers and was an active member of a Discovery Group. He is also a contributor and owner of several patented procedures. Mr. Ciccone received his Education Certification in 1992 from Southern Connecticut State University and taught at West Haven High until 1993. He has been teaching Chemistry and Ecology at Seymour High School since 1993. He received Sixth Year Degree from Southern Connecticut State University in 1999 and has been awarded the Governor's Green Circle Award three times for valuable contributions to a better and cleaner environment and to the education of our youth.

## Directions to Fantasia

**FROM New Haven and South via I-91:** I-95 to I-91 to Exit 12. Go Right onto Route 5 (North). One mile on Right at 2<sup>nd</sup> traffic light.

**FROM New Haven and South via Route 15:** Route 15 North (Wilbur Cross Parkway) to Exit 63. Go Right onto Route 22 (Clintonville Road), then Left (North) onto Route 5 (Washington Avenue). 1½ miles on Right past Fire Station and across from Pratt & Whitney.

**FROM Meriden and Hartford via I-91:** I-91 South to Exit 12. Go Right onto Route 5 (North). One mile on Right at 2<sup>nd</sup> traffic light.

**FROM Meriden and Hartford via Route 15:** Route 15 South (Wilber Cross Parkway) to Exit 63. Left off ramp then left (North) onto Route 22 (Clintonville Road), then Left (North) onto Route 5 (Washington Avenue). 1½ mile on Right past Fire Station and across from Pratt & Whitney.

### Fantasia -Thursday April 24, 2003

All entrees include tossed green salad, fresh bread and butter, penne marinara, oven roasted potato, seasonal mix vegetables, vanilla ice cream, and coffee, tea or decaf.

Entree Choices:	Sliced top round beef au jus	\$24.00
	Scrod Fantasia	\$24.00
	Chicken Francese	\$24.00

Price includes tax and tip

Please make your reservation by contacting **Ms. Caroline Maselli** by **Friday, April 21, 2003**, at (203) 573-2039 or email to: [caroline\\_maselli@cromptoncorp.com](mailto:caroline_maselli@cromptoncorp.com). **High school and elementary school teachers (K-12), retired or unemployed chemists and students will be charged only \$19 for the dinner.** Please leave your name, telephone number, choice of entree, and number of reservations. Cancellations must be made 24 hours prior to the meeting or you may be charged for dinner.

You may also attend the lecture without the dinner. Please notify Ms. Maselli so she can keep the count of number of attendees, and arrive at the restaurant around 7:15 PM when the lecture normally begins.

### Chamberland award

The Chamberland Award Committee of the New Haven Section is pleased to announce the selection of the following members who will receive the Section's Maurice R. Chamberland Award at a future meeting. **Dr. Robert A. Gregg**, Uniroyal (Retired), has been selected to receive the award for his work in polymer chemistry. **Dr. Ali Banijamali**, Crompton Corp., will be recognized for his work in metabolism. More information will appear in future bulletins.

## May Section Meeting

Joint meeting cosponsored by the New Haven Section of the ACS and the AIChE Yankee Clippers

### *The Southbury Hilton*

Tuesday May 20, 2003

**Sr. M. V. Orna, Professor of Chemistry**

will present

### *Our Chemical Heritage: Its Impact on Our Daily Lives*

The Southbury Hilton  
1284 Strongtown Road  
Southbury, CT 06488  
(203) 598-7600

Social Hour: 6:00 p.m.  
Dinner: 7:00 p.m.  
Lecture: 8:00 p.m.

**Abstract:** Our Chemical Heritage: Its Impact on Our Daily Lives. What do prostate cancer, river blindness, and the Shroud of Turin have in common? They had media attention, they affected millions of people's lives in some way, and they have been examined by chemical analysis. Using these and other well-known examples, the talk will demonstrate how the modern practice of chemistry can impact our lives in such areas as health, art, religion, and archaeology. All are part of our chemical heritage.

**Brief Biographical Sketch:** Sister Mary Virginia Orna, O.S.U. (Order of Saint Ursula) is professor of chemistry at the College of New Rochelle and Editor-at-Large, Chemical Heritage magazine. She has lectured and published widely in the areas of color chemistry and archaeological chemistry. She is active in several divisions of the American Chemical Society, having served as chair of the History and Chemical Education Divisions. She is a recipient of the following major awards: the 1984 CMA Catalyst Award for excellence in college chemistry teaching, the 1989 New York State Professor of the Year and National Gold Medallist, the 1989 Merck Innovation Award, the 1996 ACS Visiting Scientist Award, the 1996 James Flack Norris Award, the 1999 ACS George C. Pimentel Award in Chemical Education, and the 2001 New England Association of Chemistry Teachers J. A. Timm Award for excellence in chemistry teaching. She is presently president of ChemSource, Inc., a major effort in chemistry teacher preparation and enhancement funded by the National Science Foundation. She was a Fulbright Fellow in Israel (1994-95), where she lectured at The Hebrew University, The Weizmann Institute of Science, and Shenkar College of Textile Technology.

## Directions to Southbury Hilton

**From points West:** Follow I-84 East to Exit 16. At the end of the ramp take a right onto Strongtown Road (Route 188). The hotel is about ½ mile on the right.

**From points East:** Follow I-84 West to Exit 16. At the end of the exit ramp, turn right onto Strongtown Rd (Route 188). The hotel is about ¼ mile on the right

**From points South:** Follow Route 63 North to Route 8 North to I-84 West. Follow the directions for points East. **Alternate:** Take Route 8 North to Route 67 West. Follow Route 67 West to Southford Falls. At Southford Falls, take Route 188 East (Strongtown Road). The hotel is about 5 miles from the intersection, on the right.

### The Southbury Hilton - Tuesday May 20, 2003

All entrees include seasonal melon with prosciutto; radicchio endive & watercress salad with vinaigrette; chef's choice of complimenting starch & vegetable; rolls and bread with sweet butter; mountain berry cream flan; coffee, tea, decaf or hot chocolate.

Entree choices:	Chicken Southbury, chicken breast topped with prosciutto	\$30.00
	Grilled Atlantic salmon, with lemon pepper butter wine sauce	\$30.00
	Ravioli, filled with portabella mushrooms	\$30.00

Price includes tax and tip.

Please make your reservation by contacting **Dr. Michael Gelbin** by **Friday, May 16, 2003**, at (203) 573-2646 or email to: [michael.gelbin@cromptoncorp.com](mailto:michael.gelbin@cromptoncorp.com). **High school and elementary school teachers (K-12), retired or unemployed chemists and students will be charged only \$25 for the dinner.** Please leave your name, telephone number, choice of entree, and number of reservations. Cancellations must be made 24 hours prior to the meeting or you may be charged for dinner.

You may also attend the lecture without the dinner. Please notify Dr. Gelbin so he can keep the count of number of attendees, and arrive at the restaurant around 8:00 PM when the lecture normally begins.

## Situations Wanted

POLYMER CHEMIST, Ph.D, with 22 years experience and awards in electronic and industrial coatings, seeks senior scientist or manager position. Willing to start at BS level salary to prove my worth. (203-575-9170 or [JLL11@aol.com](mailto:JLL11@aol.com))

COMPUTATIONAL GEOCHEMIST expecting PhD from Yale University in May 2003. Seeking position in the pharmaceutical industry or chemical informatics field. Extensive research on stable isotope reactions using G98 and Accelrys Cerius2. Hands on programming skills in C, C++, Java, PERL, HTML, UNIX/Linux and SQL.  
Email: [mihali.felipe@yale.edu](mailto:mihali.felipe@yale.edu)

The Ad Guidelines are as follows: Situations-wanted by Section member - **No Charge**. Non-members **\$20 for four lines**. Want Ads are **\$40 for a 4-line ad** or **\$75 for a full-page (4 x 8 inch)**.

## Words from Your Chairperson ...



Greetings Dear New Haven Section Chemist Peers:

As chairman of the New Haven ACS Section, I am soliciting your help in our efforts to enhance networking opportunities and increase attendance at the local section meetings. As part of this strategy, during the social hour we will encourage members, especially students, to display a poster. The poster can act as a catalyst for initiating communication with other ACS members who are present. Students presenting the posters should: (1) gain additional exposure; (2) get feedback and suggestions; (3) find mentors; and (4)

meet potential local employers. The hope is that the posters will help start discussion among a number of attendees and will significantly lower the barrier to networking. The poster need not contain the latest findings since its primary goal is to initiate communication. Hence, any poster presented previously at some conference or meeting will be acceptable. In order to promote presentation of posters during the social hour, the cost of dinner for student presenters will be waived, provided such intent has been communicated during the RSVP for the meeting.

I am hoping that you will encourage any students or co-workers that you advise/mentor/ influence to attend local section meetings and present posters. In addition, if you can share some information, please consider putting up a poster yourself during the social hour before the section meetings. In the current fast-paced environment, we often have difficulty finding time to keep track of the accomplishments of our peers in the community. Attending the local section meetings and the informal poster session will help us appreciate the research and contributions of our peers. Furthermore, posters from members in industry will provide examples of industrial research for students attending the meeting. Our goal is to increase active participation by all members, including those from industry, government, and academia.

I hope I can count on your support to help improve the effectiveness of the New Haven ACS section meetings. The opportunities for presenting posters will be provided at all regular meetings. If you would like to present a poster, please contact the Program Chair Dr. Michael Gelbin at [Michael\\_gelbin@cromptoncorp.com](mailto:Michael_gelbin@cromptoncorp.com). Additional information on poster presentations is available at the section's website <http://membership.acs.org/N/NewHaven>.

Dr. Ali Banijamali, Chair, ACS- New Haven Section

## Connecticut State Science Fair Winners

Congratulations to the winners of the New Haven Section's Science Fair awards: High School - Raj G. Ranade, East Lyme High School, Mathematical Model for a Simulation of a Physical Process"; 8th Grade - Timothy P. Murphy, St. Timothy School, "Conductivity of Everyday Materials"; 7<sup>th</sup> Grade - Laura C. Rafka, Mystic Middle School, A Semiquantitative Analysis of Hard Water". The Section thanks all who helped judge.

## New Haven ACS National Chemistry Week Winners

Winners in the National Chemistry Week contests have been selected. The winners, their teachers and their school are presented below. The winners have been invited to the April 24<sup>th</sup> Section meeting at Fantasia restaurant to receive their awards. Congratulations to all the winners and their teachers.

<u>Winner</u>	<u>Teacher</u>	<u>School</u>
<b>2002 Grade School Contest Winners</b>		
<b>SAVINGS BOND AND T-SHIRT</b>		
Jamie Silverman	Thomas Santoro	Pomperaug School Gr. 4, Southbury
Katie Moore	Natalie Chamberlain	Lincoln Middle School Gr. 7, Meriden
William Gregory	Janet Irving	The Country School Gr. 3, Madison
Desaray Peterson	Kathleen Griffin-Daley	No. Branford Inter. Gr. 6, No. Branford
Mariana Vasquez-Crede	Kathleen Griffin-Daley	No. Branford Inter. Gr. 6, No. Branford
Nicole Ranciato	Kathleen Griffin-Daley	No. Branford Inter. Gr. 6, No. Branford
<b>T-SHIRT</b>		
Whitney Penn	Janet Irving	The Country School Gr. 3, Madison
Patrick Carter	Natalie Chamberlain	Lincoln Middle School Gr. 7, Meriden
Elizabeth Chan	Thomas Santoro	Pomperaug School Gr. 4, Southbury
Nicole Bouchard	Kathleen Griffin-Daley	N. Branford Inter. Gr. 6, N. Branford
Michael Fritz	Brenda Pilletere	Holy Trinity School Gr. 6, Wallingford

## 2002 High School Contest Winners

<b>SAVINGS BOND AND T-SHIRT</b>		
Joseph Cullen	Barbara Marroquin	Horace Wilcox RVTS, Meriden
Kerrie Eagles	David Tremblay	West Haven HS, West Haven
Jeffrey Butcher	Nancy Graham	Hamden HS, Hamden
Steven Maresca	David Tremblay	West Haven HS, West Haven
<b>T-SHIRT</b>		
Allison Baylis	David Tremblay	West Haven HS, West Haven
Jeffrey Rosenberg	Nancy Graham	Hamden HS, Hamden
Khabria L. Hundley	Nancy Graham	Hamden HS, Hamden
William Birks	Barbara Marroquin	Horace Wilcox RVTS, Meriden
Jeffrey Sima	Barbara Marroquin	Horace Wilcox RVTS, Meriden
Diana Calvert	Joyce Harned	HS in the Community, New Haven
Eva Bialecki	Joyce Harned	HS in the Community, New Haven

## 2002 Poster Contest Winners

<b>SAVINGS BOND AND T-SHIRT</b>		
Lucy Chadderton	Janet Irving	The Country School Gr 2, Madison
Ella Borkowski	Nancy Ryan	Mary T. Murphy School Gr 4, Branford
Samantha Gibbs	Natalie Chamberlain	Lincoln Middle School Gr. 7, Meriden
Gene Libow	David Tremblay	West Haven HS, West Haven
<b>T-SHIRT HONORABLE MENTION</b>		
Peter Burdge	Janet Irving	The Country School Gr 2, Madison
Clara Pinchbeck	Janet Irving	The Country School Gr 1, Madison
Erica Lynn Nicolos	Nancy Ryan	Mary T. Murphy School Gr 4, Branford
Tory Guarino	Nancy Ryan	Mary T. Murphy School Gr 4, Branford
Kristen Prescott-Ezickson	Natalie Chamberlain	Lincoln Middle School Gr. 7, Meriden
Arthur Dutra	Mrs. Worthy	T. Edison Magnet Middle, Gr. 8, Meriden
Anna Hine	David Tremblay	West Haven HS, West Haven
Allison Baylis	David Tremblay	West Haven HS, West Haven

New Haven Section Bulletin  
William H Harned, Editor  
199 Benson Road  
Middlebury, CT 06749

Words from Your Editor ...

Please note the guidelines for 'want ads' and 'situations wanted' to be put into the New Haven Section Bulletin. The next two meetings include student award presentations to local area students. Join us in congratulating these future scientists. - William Harned, Newsletter Editor

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*The Bulletin is also posted on the Section's **web site** at  
<http://membership.acs.org/N/NewHaven>*

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