

Silicon Valley Chemist

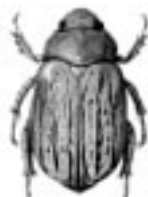
Santa Clara Valley Section

American Chemical Society

Volume 22 No. 5

“ILLUSTRATING NATURE” Natural Science Illustration Exhibit

Did you ever wonder who creates the intricate and instructional drawings found in magazines like National Geographic or Scientific American? Some of the artists responsible are trained at University of California at Santa Cruz's Scientific Illustration graduate program. The illustration program is intended for people who wish to pursue a career in scientific illustration, as well as for scientists who wish to acquire the skills to illustrate their own research papers. We have a unique opportunity to view some of their wonderful illustrations in pure form at an exhibit called "Illustrating Nature." Each spring the Santa Cruz City Museum of Natural History transforms itself into an art gallery to host "Illustrating Nature," an exhibit of exquisite botanical and zoological illustrations. Talented artists from



Scarabs



Cicada

the UCSC program depict everything from mammals to microbes in astounding detail. More than 60 elegant works in watercolor, acrylic, pen and ink, colored pencil, graphite, and scratchboard will be on view this year. This year the Santa Clara Valley Section will host a special event: the Museum will remain open after hours and some of the artists will be present to discuss their work. Earlier in the day, from 10:00 am to noon, you'll have an opportunity learn some of their trade secrets at a "how-to" demonstration Museum. So come to Santa Cruz, spend the day on the beach, then go to the Natural History Museum for some spectacular illustrations. Light snacks and drinks will be provided.



Horned Beetle

Illustrating Nature will be on view April 29 through June 4 at the Santa Cruz City Museum of Natural History, 1305 East Cliff Drive, Santa Cruz. Museum hours are



Moth

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Chair's Message

With over 18,000 people attending, this spring's ACS National Meeting was the biggest ever. There were almost 300 companies in the exposition area and 8,200 papers were presented. Overall, this meeting was a great success. The meeting started with the Carver Kidvention (see the accompanying article), organized by Howard Peters and Hugh Dubb, local section members. Over 300 kids participated in a full day workshop on invention. It was uplifting to see the excitement in the faces of the kids. Congratulations to Howard and Hugh, and all the volunteers on a job well done.

As co-hosts of the meeting (with the California Section), our section's duties included staffing the hospitality suite, scheduling tours, and soliciting and organizing students to work for meeting organizers. Sally Peters (Chair-Elect) and the volunteers in the hospitality suite did a great job helping "confused" chemists. Jamil Talhouk (Past Chair) managed to find enough students to fill the many positions despite some schools being on vacation and others in mid-session.

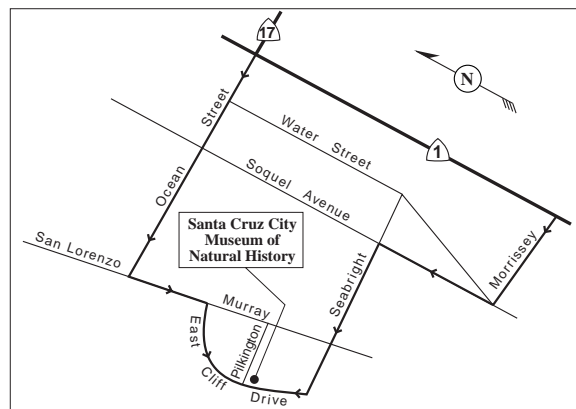
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Illustrating Nature Exhibit

Date: May 20, 2000
Time: 5:00 to 7:00 pm
Place: Santa Cruz City Museum of Natural History
 1305 East Cliff Drive, Santa Cruz
 (831) 420-6115

For more information visit the following web sites:
 Santa Cruz Natural History Museum web site:
www.santacruz museums.org/nathist.html
 Santa Clara Valley Section web site:
www.scvacs.org

Or contact: Ean Warren (650) 329-4554 or e-mail: chair@scvacs.org



Chair's Message, continued from front page

The Santa Valley Section also organized other special events. Donna Drogos (Alternate Councilor) and Art Diaz organized a successful technical program on MTBE. Maureen Scharberg (Councilor, Chair of the High School Chemistry Competition) organized a symposium for high school chemistry teachers. Peter Rusch (Alternate Councilor, Chair of the Radding Award) and Shirley Radding presented the Radding Award to Valerie Kuch (Lucent Technologies, North Jersey Section) in a ceremony in the San Francisco Hilton. This event was well attended by members of the Santa Clara Valley Section as well as the North Jersey

Section. Jamil and Howard organized the Mosher Award and Luncheon. In lieu of an award for this year, a special symposium was held in which several talks relating to the research of the Mosher were presented. Finally, all of our councilors attended and participated in the National Council Meeting.

In the end, the week was exhausting, yet satisfying. By the end of the week, I had renewed respect for the American Chemical Society. It is easy to send membership checks every year without really knowing all that the organization is doing. At this National Meeting, I was able to see first-hand many of the great pro-

grams sponsored by the ACS. From the Carver Kidvention for 3rd graders and Student Affiliates Program for undergraduate and graduate students to the SCI-MIX poster session for everyone, there are many great programs sponsored by the ACS. I recommend you look at the ACS's web site for information about some of these programs.

Remember, the next National Meeting will be in Washington, DC, August 20 - 24.



A Report Concerning the ACS Carver Kidvention

March 25, 2000, Moscone Center, San Francisco, CA

Dr. Howard Peters (peters4pa@aol.com) Dr. Hubert E. Dubb (hdubb@home.com)

Executive Summary – The ACS Santa Clara (Silicon) Valley Local Section took the lead in organizing the ACS - Carver Kidvention held on Saturday, March 25, 2000 as part of the ACS Presidential Event - Public Understanding of Chemistry. Other participating groups included the ACS Committee on Patent and Related Matters, the Division of Chemistry and The Law, the Committee on Minority Affairs, the Healing Institute and the Santa Clara County Alliance of Black Educators. Over 200 3rd and 4th graders participated. About 80% were from African-American, Latino, Filipino, or other Asian groups. Conversation at one table of 10 was solely in Spanish. Many parents, teachers and observers attended, bringing the total to about 350. After an initial short introductory presentation, the students participated in a SCAMPER problem solving (brainstorming) process and proceeded to invent. A safe chemical demonstration was presented by the U.C. Davis student affiliates. ACS' Mr. Mole appeared to the delight of all. The students prepared a slogan, trademark, price and selling plan and presented their inventions to the entire audience. Teacher training in safe chemistry experiments was provided by Juanita Ryan of the Toyon Elementary School in San Jose. This event had a short segment on the March 25, 6 p.m. news on Channel 7. The Carver Kidvention was also mentioned in C&E NEWS as part of the ACS meeting highlights in the April 3, 2000 issue, pages 12 and 13 (also see their web site). An article will appear in the June issue of the Journal of Chemical Education. The feedback from the attendees was uniformly enthusiastic. The financial cost was estimated to be \$18,000 not including about 400-600 hours of volunteer time - 70% of which was concentrated on March 24 and 25. Funding for the Carver Kidvention was provided by ACS President Daryle Busch's Presidential Event & Public Understanding of Chemistry, the Steven and Michelle Kirsch Foundation (of Silicon Valley), ACS Corporation Associates and the ACS - Santa Clara Valley Local Section.

A minimum of 3 months should be allowed to organize a successful Carver Kidvention. The overall cost can be reduced significantly but having the school districts (or parents) provide transportation to and from the event and by having the students/attendees bring their own snack and lunch.

USGS Open House

You are invited to the U.S. Geological Survey's Open House on May 13 and 14. Ean Warren will be in building 15; stop by for a visit. See their web site for more information.

<http://openhouse.wr.usgs.gov>

ACS-SCV Nominations for 2001 Petition Candidates

Petition candidates may be nominated by the membership.

Officers are: **Chair-Elect**
Secretary
Treasurer
Councilor

The requirements for nomination include:

- (1) Member (Grade) of SCV Section.
- (2) Agreement to run for the office.
- (3) Agreement to attend Executive Committee meetings.
- (4) Signatures of 15 Members (Grade) of the SCV section.

Petitions along with a brief biography and statement must be received by August 1, 2000.

Mail nominations to:

Dr. Karl Marhenke
1710 Wilshire Drive
Aptos, CA 95003-2836

Illustrating Nature, continued from front page

Tuesday through Friday, 10 a.m. to 5 p.m. For more information on the exhibit call (831) 420-6115.

"Illustrating Nature" is co-sponsored by the Santa Cruz City Museum of Natural History, the Santa Cruz Museum Association, the Science Communication Program at UCSC and the American Chemical Society. UCSC is one of the few universities in the United States where a specialized program in scientific illustration is offered.

Picture credits: Scarabs by Erin Herzog, Cicada by Emma Skurnick, Horned Beetle by Jennifer Johansen and Moth by Cleo Vilett.

California Section Programs for 2000

- May 23** *Program to Honor 50 Year ACS Members and Peterson Awardee*
- June 21** *Dr. Darleane Hoffman, UCB, Lawrence Berkeley National Laboratory, "Discovery of the Long Sought Superheavy Elements"*
- November** *Dr. Attila Pavlath, Western Regional Research Center, Address from the ACS President-Elect (Date and topic to be announced)*

Note: The above programs have been scheduled thus far at: Spenger's Fresh Fish Grotto, 1919 Fourth Street, Berkeley, CA 94710 (Social Hour: 6 p.m., Dinner: 7 p.m., Program: 8 p.m.)

For reservations: Please call the California Section office at (510) 848-0512 or email: calacs@sirius.com. For questions or comments, please contact Marinda Wu, Program Chair via email: marindawu@aol.com. Details on each program will be published in THE VORTEX preceding the meeting.

Editor's Corner

It was nice to see many of you at the ACS show. There were so many things to do that I could have used an extra day down at the exhibition.

I am happy to report that the local Bay Area Science Events Calendar is getting more active. There are now over 30 events listed from 10 different organizations. The traffic more than doubled in the last month. The new calendar is much easier to keep up and visitors can automatically opt to receive e-mail reminders for events from specific groups.

www.SuperCalendar.com/view1.php3?a=813

Shirley B. Radding

2994 Cottonwood Court
Santa Clara, CA 95051-6111

408-246-2564

Fax: 408-296-8625
e-mail: sradding@att.net

LITERATURE SEARCHES



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AMERICAN CHEMICAL SOCIETY
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MAY 2000 NEWSLETTER TOPICS:

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CHEMPLOYMENT ABSTRACTS



<http://www.scvacs.org>

SANTA CLARA VALLEY SECTION

2000 SECTION OFFICERS

Chair	Ean Warren	650-329-4554
Chair-Elect	Sally Peters	650-812-4994
Secretary	Karl Marhenke	831-479-6263
Treasurer	Hong Gao	650-494-5197
Past-Chair	Jamil Talhouk	925-449-2664

Councilors

1998-00	Linda Brunauer	408-554-6947
1998-00	Sally Peters	650-812-4994
1999-01	Bonnie Charpentier	650-354-2344
1999-01	Herb Silber	408-924-4954
2000-02	Maureen Scharberg	408-924-4966
2000-02	John F. Riley	650-328-2746
2000-02	Ean Warren	650-329-4554

Alternate Councilors

1998-00	Jamil Talhouk	925-449-2664
1999-01	Peter Rusch	650-948-0237
1999-01	Jonathan Touster	650-723-4340
2000-00	George Lechner	408-226-7262
2000-02	Roy Okuda	408-924-2525
2000-02	Donna Drogos	408-265-2600
2000-02	Lance Wong	650-829-1148

Newsletter Editor

Steven Colby 650-938-4502
e-mail: colby@sisweb.com
Web Site: www.sisweb.com

FUTURE MEETINGS

May 20	Illustrating Nature Exhibit UCSC, Santa Cruz
Jul 15	Summer Picnic
Aug 20-24	National ACS Meeting Washington, DC

For the latest information, please visit the
SCV ACS Web Site: www.scvacs.org

CHEMPLOYMENT ABSTRACTS

Shirley B. Radding, Director
Phone: 408-246-2564 FAX: 408-296-8625
e-mail: sradding@att.net



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