

Silicon Valley Chemist

Santa Clara Valley Section

American Chemical Society

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Valerie J. Kuck Receives 1999 Shirley B. Radding Award

Valerie J. Kuck is the 1999 Shirley B. Radding Award recipient. She received her B.A. in Chemistry from Saint Mary of the Woods College in Indiana and a M.S. from Purdue University. She spent most of her career at Bell Laboratories in Murray Hill, NJ. Her early work involved fundamental studies and included a collaboration with ACS President Ed Wasserman on elucidating the structure of short-lived organic intermediates. Later, she focused on more applied areas developing a novel technique for characterizing solder alloys used on printed circuit boards. She generated a procedure for reproducibly measuring the oxidative stability of polyolefins used as copper insulation. This work became the basis of an ASTM test. Recently, she developed technology for determining adhesion of optical fiber coatings.



For the past twenty-four years, Valerie has served as a Councilor from the North Jersey Section. She was chair of the section when it was awarded the Outstanding Section Award and for the past six years has organized the section's National Chemistry Week activities. These events won two Phoenix Awards. She has chaired four national committees and is currently the chair of the Committee on Economic and Professional Activities. At National Meetings she has organized three widely attended special presidential symposia on High Tc Superconductors, Cold Fusion, and Buckyballs. She was co-founder of the Metro Women's Chemist Group. She is currently local section career coordinator.

Shirley Radding will personally present the award to Ms. Kuck at the Spring 2000 ACS National Meeting in San Francisco.

Chairman's Message

The picnic was great! If you were there, I hope you enjoyed it as much as I did. If you were not there, well, we missed you.

This year we had a change in venue. The awards and 50-year members recognition picnic were held at Ortega Park in Sunnyvale. This annual event has a special significance. Constitutionally, it marks the beginning of the Chair-elect's responsibility in arranging the section's activities program.

Ean did a wonderful job with the food and the park arrangements. We also would like to extend our thanks to Floyd Hobbs for choosing the wine.

By the time you get this issue of the Silicon Valley Chemist, your Councilors will be preparing to go to New Orleans for the National American Chemical Society Meeting. The October issue will highlight the major decisions that took place

during this meeting.

Other than that, I want to wish you all a good summer whatever your plans are. Summer is usually slow in terms of activities, but it is your executive committee's time to plan what they will be presenting to you for the rest of the year. Again we would like to encourage you to be involved in your section as the activities resume in September.



Gail S. ...



Linda Brunauer (right) receives award plaque

The Ottenberg Award

The Ottenberg Award was given to Linda Brunauer of the University of Santa Clara. Linda has been deeply involved in the section for many years. In addition to being a Councilor she has been the Student Affiliates Chair for over 10 years. Her work has had a significant impact on the

development and growth of the local student chapters. Their membership and activities have grown significantly under Linda's guidance. Student Chapter activities now include regional meetings at which students gain experience in organizing and presenting their work.

CONGRATULATIONS TO THE 1999 FIFTY-YEAR ACS MEMBERS

Dr. C. Ainsworth
 Dr. Arthur G. Brown
 Mr. Stanley L. Krugman
 Dr. Carl W. Kuhlman
 Dr. William W. Lee
 Dr. Kirtland E. McCaleb
 Dr. Robert E. Phillips
 Mr. Jeol Norman Rossen
 Mr. Konrad T. Semrau



From left to right: Dr. Ainsworth, Jamil Talhouk, Dr. Lee

Highlights from the Wine Tasting, Family Picnic and Awards Ceremony



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LITERATURE SEARCHES



Editor's Corner

Two months ago I asked members to submit links to commercial web sites that would be of interest to our readers. The following URLs were received. They include both commercial and academic sites.

<http://www.chemicalanalysis.com>

A nice selection of links and resources, includes some useful tutorials.

<http://quake.wr.usgs.gov/recenteqs/>

My wife's favorite. A must see if you live in this area.

<http://www-sci.lib.uci.edu/SEP/physical2.html> and
<http://www-sci.lib.uci.edu/HSG/RefCalculators3B.html>

While these are not commercial sites, they are excellent resources for the physical sciences. The first includes a very large number of links and the second include almost 10,000 scientific "Calculators".

<http://ice.chem.wisc.edu/ice>

ICE is the Institute for Chemical Education. This site includes teaching kits and educational material that cover a wide range of the physical sciences. An interesting example of the material can be found at **<http://www.solideas.com/>**. In this kit a nanocrystalline solar cell experiment is performed using natural dyes extracted from berries.

<http://www.chemfinder.com/>

This is part of Cambridge Software's site. It was suggested for the large amount of information provided.

<http://www.wiley-vch.de/>

This publisher has recently made major efforts to increase the amount of information available on their web site.

<http://www.sisweb.com/mslinks.htm>

Thanks to the reader that suggested part of my own site. There are over 2000 pages of information on this site. This URL points to a very large selection of links.



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AUGUST 1999 NEWSLETTER TOPICS:

- 1999 Shirley B. Radding Award
- Chairman's Message
- Ottenberg Award
- 50 Year Members
- Picnic Pics
- Editor's Corner

Time Value!

CHEMPLOYMENT ABSTRACTS



<http://www.scvacs.org>

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Secretary	Karl Marhenke	831-479-6263
Treasurer	Hong Gao	650-494-5197
Past-Chair	Herb Silber	408-924-4954

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1998-00	Linda Brunauer	408-554-6947
1997-99	Carol Mosher	650-322-3120
1997-99	Maureen Scharberg	408-924-4966
1999-01	Bonnie Charpentier	650-354-2344
1999-01	Herb Silber	408-924-4954

Alternate Councilors

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1998-99	Lois Durham	650-723-1610
1997-99	Peter Rusch	650-948-0237
1997-99	Jamil Talhouk	925-449-2664
1999-01	Jonathan Touster	650-723-4340
1999-01	Ean Warren	650-329-4554

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FUTURE MEETINGS

1999	
Aug 22-26	National ACS Meeting
Sept 23	Monthly Dinner Meeting <i>Justin Mullins</i> <i>San Francisco Bureau Chief</i> <i>of New Scientist magazine</i>
2000	
Mar 26-31	National ACS Meeting

For the latest information, please visit the
 SCVACS Web Site: <http://www.scvacs.org>

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