

THE SAN DIEGO CHEMIST

American Chemical Society
Volume 23, Number 2

San Diego Section
February 2011



A Visit with Madame Curie A Live, Two-Hour Stage Performance by **Susan Marie Frontczak**



- DATE:** Saturday, February 26, 2011
- TIME/PLACE:** To be announced. Please check our website (<http://www.sandiegoacs.org>) for details.
- Light refreshments will be served.
- RESERVATIONS:** By Tuesday, February 22, 2011:
<http://sandiegoacsfeb2011.eventbrite.com>

About the Artist/Author

For 28 years Storysmith Susan Marie Frontczak has brought literature to life, created stories from thin air, and honed personal experience into tales worth telling again and again. She plays in theatres, corporations, schools, libraries, and festivals internationally. Her Marie Curie presentations have taken her to 21 of the United States, Scotland, and Canada for over 190 performances. In dramatizing the life of Maria Skłodowska, Susan Marie pays homage to their shared Polish heritage. Susan, like Manya, enjoyed school, and promotes awareness that academic excellence can lead to outstanding achievement. Marie Curie's perseverance in purifying a grain of radium from a ton of pitchblende, in part, inspired Susan to major in Engineering, a field in which she worked for fourteen years before pursuing full time storytelling. Susan has always viewed both science and art as valid outlets for creativity. It is her aim to reveal the human behind the scientist, while placing Marie Curie's life and accomplishments in a memorable historical context.

Program Description

Likely the most famous woman scientist, Madame Marie Curie (née Maria Skłodowska) changed the world in which we live through her discovery of radium and radioactivity. Through collaboration with the medical community the Curies discovered and established the first successful radiation treatments for cancer. Simply through her own passion and perseverance, Marie Curie opened the doors of science to women worldwide.

This program honors a preeminent woman of science: Madame Curie was the first European woman to earn a doctorate in the sciences; the first woman to receive a Nobel Prize (for the discovery of radioactivity); the first woman to teach at the Sorbonne; and the first person to receive a second Nobel Prize (a feat not to be repeated for another 50 years). Audiences witness the origins of scientific discoveries we now take for granted. They re-live the remarkable collaboration between husband and wife, Pierre and Marie, companion scientists.

This program honors the wife and mother, who felt more daunted by the chemistry of the kitchen than of the laboratory. As a single mother, Marie raised her two daughters from ages 16 months and 8 years, after the tragic death of her husband, Pierre. And it honors Manya's Polish heritage — much neglected not only now, but in her own life, to her own dismay. This program brings to light many of Marie's lesser-known contributions, both social and scientific — and the obstacles she faced along the way.

Marie Curie was, in turn, nervous and shy in public, obsessive about measurement, in denial of the dangers of working with radioactive materials, proud and possessive of her discoveries, yet generous to the extreme with the products of her work. Within her lifetime she saw the curative effects of radiation on cancer. Late in life she came to admit the dangers of working with radioactive materials. She died before the new understanding of the atom — initiated by her discoveries — produced the atomic bomb. Whether looking at Marie within her historical context or through the lens of a new millennium, this is a life that challenges our assumptions about what one person can achieve and the responsibilities of science.



CHAIR NOTES

Welcome All!

As I write this column, only two weeks into the New Year, I am pleased to report that members of the San Diego Section of the ACS have volunteered to chair 13 standing committees and six special event committees, a total of 19 enthusiastic groups!

And if you check out the list on the back page of the newsletter you will find a committee that has not been active for a while: the *Women Chemists Committee*. **Erica Campbell**, research scientist at Vertex Pharmaceuticals, Inc., has offered to chair this important committee.

The WCC is important for several reasons. According to our latest demographics report, we have 666 female members in the San Diego Section. In addition, this year is the International Year of Chemistry (IYC 2011) which celebrates, in part, the 100th anniversary of the awarding of the Nobel Prize to Marie Curie. Finally, at the level of the *National ACS*, Executive Director & CEO **Madeleine Jacobs**, Board Chair **Bonnie Charpentier**, and President **Nancy B. Jackson** are all...well, you guessed it! It is gratifying to know that we now have representation by women chemists at our local level, too. If you or any of your colleagues might have an interest in working on the Women Chemists Committee please contact **Erica** at ericalconroy529@gmail.com.

Let's not forget our other committees, too. Get involved! If you have an interest in contributing to *your* Society, please contact me or a committee chair to see how you might help. True, the pay isn't great but you will derive much satisfaction working and networking with your fellow ACS members. And if you are looking for a *paying* job, there is nothing like knowing the right contacts in your area of expertise!

Further to the subject of networking, be sure to register for our January monthly meeting on the 31st. This is the first of many IYC 2011 events being orchestrated by **Joanna Pool** and her volunteers. It will feature a lecture on materials for renewable energy storage by Dr. Shirley Meng, Department of NanoEngineering at UCSD. This exciting event will be held at the California Center for Sustainable Energy.

On February 26th, the celebration of IYC 2011 continues when "Marie Curie" comes to San Diego! This live, two-hour performance will feature internationally known storyteller, Susan Marie Frontczak. The time and place for the performance were not available at press time so keep an eye on our website (www.sandiegoacs.org) for details.

As always, I invite you to please "bother" me if you have any suggestions for improving the effectiveness of the San Diego Section of the ACS or the National organization.



Bill Szabo
2011 Chair
American Chemical Society – San Diego Section
Tel: (858)550-0306
E-mail: bszabo1@san.rr.com
Web: www.sandiegoacs.org

Chemistry Judges Needed

Judging by professional societies at the Greater San Diego Science & Engineering Fair will take place on Wednesday afternoon, March 23rd, at Balboa Park. Anyone able to help choose exhibits for our Section chemistry awards or wanting more information, please contact Ken Poggenburg at jkp135@att.net.

About the Hach Scientific Foundation Endowment

The next application period will be February 1 – April 1, 2011.

[ACS-Hach Second Career Teacher Scholarship](#)

[ACS-Hach University Scholars](#)

[ACS-Hach High School Chemistry Grant](#)

THE SAN DIEGO CHEMIST is published by the San Diego Section of the American Chemical Society on a monthly basis and can be viewed at <http://www.sandiegoacs.org/newsletter/>.

Our membership is about 3000 chemists, biochemists, and chemical engineers and covers the counties of San Diego and Imperial.

Advertisers: Current ad prices are: Large (4.5"x4.75") \$200; Small (2"x3" or 4.5"x1.5") \$65. All measurements are wide x tall. We cannot accept ads other than these sizes. Please send your jpg to **Renate Valois** at renate@sandiegoacs.org. Make checks payable to **American Chemical Society** and mail to **Dr. David Wallace, 6448 Peinado Way, San Diego, CA 92121**.

TO OUR READERS AND ADVERTISERS –

The San Diego Chemist is the official e-newsletter of the American Chemical Society San Diego Section. All contents are published at the discretion of the Section executive board. Events sponsored by the Section are published gratis. Events of interest to chemistry professionals in the community may be included in the events calendar as space permits and are subject to editing for brevity. Advertisements and announcements from the chemistry community are accepted at published rates. Further information regarding events also is available on the Section web page at <http://www.sandiegoacs.org/>.

SECTION E-MAIL LISTSERVER!

Get up-to-the-minute reminders of local events and develop dialogs with your fellow members! To subscribe to our moderated listserver:

- 1) Type the following URL in your browser and go to this site:
<http://lists.ucsd.edu/mailman/listinfo/sandiego-chemist-l>
- 2) Follow the instructions to insert your name, e-mail address, preferences, etc., and enter SUBSCRIBE.
- 3) When you receive a message from the postman, reply to confirm that you wish to be added to the list, otherwise it will not take effect.
- 4) You will receive reminders approx. 5-7 days prior to upcoming events and messages of general interest to members.
- 5) To send questions/topics for discussion, or informational items to the listserver members, send the message to sandiego-chemist-l@ucsd.edu.
- 6) If the moderator approves the post, it will be sent to the members.

NOTE: That is the letter "l", not the number "one" following the word "chemist".

Executive Board Meeting Dates 2011 6 PM – 8 PM

Thursday	February	10
Tuesday	March	8
Wednesday	April	6
Thursday	May	5
Tuesday	June	7
Wednesday	July	6
Thursday	August	4
Tuesday	September	6
Wednesday	October	5
Thursday	November	10

(No December board meeting)

**Meetings will be held at
Pharmatek Laboratories, Inc.
7330 Carroll Road, San Diego, CA 92121
<http://www.pharmatek.com/>**

Consider Sponsorship of the ACS San Diego Section!

The **San Diego Section** of the ACS is looking for organizations that are committed to advancing science and education in the greater San Diego area by providing financial support. There are several ways to get involved and each one comes with its own benefits and privileges.

Please contact **Bill Szabo** for further information:

Bill Szabo
Chair, Fundraising Committee
Tel/Fax: 858-550-0306
bszabo1@san.rr.com

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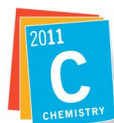


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International Year of
CHEMISTRY
2011

The International Year of Chemistry 2011 is finally here!

* Here are the goals of IYC 2011:

- Increase the public appreciation of chemistry in meeting world needs
- Increase the interest of young people in chemistry
- Generate enthusiasm for the creative future of chemistry
- Celebrate the 100th anniversary of Madame Curie's Nobel Prize and the 100th anniversary of the founding of the International Association of Chemical Societies.

January 31st will be the kick off event for the IYC2011. Discover the importance material science plays in the storage of renewable energy.

Save the date! February 26th MARIE CURIE is coming to town. Details at www.sandiegoacs.org coming soon.

For more information on how to volunteer or sponsor an event contact Joanna Pool: joannapool@gmail.com.

"We must believe that we are gifted for something, and that this thing, at whatever cost, must be attained.

Marie Curie

**Summary of San Diego Section
Executive Board Meeting, January 5, 2011**

Housekeeping

1. Some changes are needed in Section by-laws, for example: students are now included as full members.
2. 18 committees at present, 12 standing and 6 special committees, Bill Szabo as Section Chair is member of all committees except nominations so he should be informed and attend committee meetings.
3. Name badges for board members to wear at meetings so Section members can know who is in leadership positions.
4. WWC chair is empty right now but we are looking vigorously to fill the position.

Themes for the year - International Year of Chemistry - we should encourage community participation, work on positive visibility in the community, and strive for more involvement in our community; planning to try new ideas and leverage these for greater participation from our membership; don't let finances dissuade one from suggesting an idea

Newsletter - Board roster set to appear at the end of the Newsletter.

Fundraising - 3 sponsorship renewals and 1 new.

Budget - Report from 2010: \$7.5K budget surplus for the year; investment pool had good earnings; distributed proposed budget for 2011 for review to be voted on next meeting; committee chairs please provide proposed budget before 1/31 to be included for February Board meeting.

MedChem - Planning for Friday, July 15th.

CATE Lectures - Nov. 6: Three out-of-town panelists, moderated by Paul Maffuid, ~60 attending, ~40 survey responses, general consensus to continue entrepreneurial options, spent ~\$1700, and planning to spend balance of grant on another session.

Year-end Wrap-Up - Official yearly meeting of the Section; December 9th, only 25 attending, somewhat disappointing.

Calendar - Bill S. distributed calendar of events currently scheduled for the year; need to add Greater San Diego Science & Engineering Fair Mar 23 (Ken); Education Award Banquet (date currently not available), Distinguished Scientist Award; may consider new location for Year-End Wrap-Up.

International Year of Chemistry - Goal to increase public awareness of chemistry and evoke interest in students, National's themes: materials, health, water, environment; planning one hands-on activities for each topic during the year, first is speaker from UCSD explaining batteries & solar cells (materials) - consider publicity through San Diego Science Alliance; Feb. 26 - presentation on Marie Curie - needing theater; Earth Day - environmental theme, ChemExpo - to be water-themed event; Joanna received \$500 grant from National for IYC.

Innovative Project Grant - Looking for ideas, purpose: seed money for new activities, intended that successful projects will continue.


Next Executive Board Meeting: Thursday, February 10, 2011.

Mark your Calendar

**AAAS-Pacific Division
92nd Annual Meeting**
including the
7th World Congress on Mummy Studies
UNIVERSITY of SAN DIEGO
San Diego, CA
June 12 - 16, 2011

"Examining the Past - Exploring the Present - Enabling the Future"

For more information please visit <http://associations.sou.edu/aaaspd/2011SANDIEGO/>



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2011 ACS Regional Meetings		
42nd MARM	May 21-24	College Park, MD
42nd CERM	June 8-10	Indianapolis, IN
66th NORM	June 26-29	Portland, OR
Joint 46 th MWRM and 36 th GLRM	October 19-22	St. Louis, MO
63rd SERMACS	October 25-28	Richmond, VA
67 th SWRM	November 9-12	Austin, TX

THINKING OF ADVERTISING?
For information please contact
Renate Valois at renate@sandiegoacs.org

ACS Webinars™
Did you miss one of our past ACS Webinars? Find it all in our
[On Demand Webinar archive](#)
Upcoming Events - <http://acswebinars.org/events> -

ACS Announces the 2011 Schedule for Short Courses
Our 2011 schedule is out – find out which courses are being offered in what cities by visiting www.ProEd.acs.org/2011.

Attention Companies!
Do you hire student workers?
If you have open positions in chemistry and biochemistry that would be of interest to college students, such as summer internship opportunities, here is a list of contacts you'll want to keep handy. The people listed below are the faculty advisors of the ACS Student Affiliate groups for all chemistry programs in San Diego County. These professors can get the word out to all chemistry and biochemistry majors at their schools about jobs, career fairs, open houses, etc.

California State University, San Marcos
Jacqueline Trischman trischma@csusm.edu
760-750-4206 Fax 760-750-3199

Palomar College
David A. Boyajian dboyajian@palomar.edu
760-744-1150x2549 Fax 413-622-6750

Point Loma Nazarene University
Sara Choung SaraChoung@PointLoma.edu
619-849-2627 Fax 619-849-3452

San Diego Mesa College
Dwayne Gergens dgergens@sdccd.edu
619-388-2609 Fax 619-388-2677

San Diego Miramar College
Linda Woods lwoods@sdccd.edu
619-388-7434 Fax 619-388-7929

San Diego State University (SDSU)
Mikael Bergdahl bergdahl@sciences.sdsu.edu
619-594-5865 Fax 619-594-4634

Southwestern College, Chula Vista
David Brown dbrown@swccd.edu
619-421-6700x5664 Fax 619-482-6503

University of California, San Diego (UCSD)
Judy Kim judyk@ucsd.edu
858-534-8080
Ghouri Ghosh gghosh@ucsd.edu
858-822-0469

University of San Diego (USD)
Debbie Tahmassebi debbiet@sandiego.edu
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CHEMPLOYMENT ABSTRACTS - FEBRUARY 2011

<p>CHEMPLOYMENT 753</p> <p><i>Position Title</i> Research Assistant / Associate – (Job Category - 1230-AP-02)</p> <p><i>Job Description</i> Senomyx is currently seeking a Research Associate / Assistant to work in our Natural Products Discovery Department supporting our natural products programs. Responsibilities will include, but may not be limited to: preparing natural materials, solid phase extraction, HPLC based fractionation of natural samples, sample registration and detailed documentation of experiments and results. This position is a temporary 6 month position with the possibility of converting to a permanent position.</p> <p>QUALIFICATIONS DESIRED</p> <p><i>Education</i> Qualified candidates should have a B.S./M.S. in Chemistry or related science.</p> <p><i>Experience</i> A minimum of 1-2 years experience in the analysis / purification of small molecules or natural products. Additionally, successful candidates should possess strong communication and problem solving skills, and be able to work effectively in multidisciplinary project teams. Knowledge and experience in the following areas are essential: laboratory chemistry, HPLC, and sample preparation. Experience with natural product isolation and purification is a plus.</p> <p><i>Description of Company</i> Senomyx, Inc. is a leading biotechnology company focused on using proprietary taste receptor technologies to discover and develop novel flavor ingredients for the food, beverage, and ingredient supply industries.</p> <p><i>Application Instructions</i> Please email résumé to human.resources@senomyx.com</p>	<p>CHEMPLOYMENT 754</p> <p><i>Position Title</i> Sr. Research Associate / Medicinal Chemistry</p> <p><i>Job Description</i> Celgene is looking for an expert synthetic chemist at our San Diego site. Candidate should be able to independently solve synthetic problems, propose viable synthetic modifications, efficiently execute multistep synthesis, and productively synthesize analogs. Responsibilities include analog synthesis and synthetic method development. Experience with common analytical methods (NMR, HPLC), purification methods, and literature searching is required.</p> <p>QUALIFICATIONS DESIRED B.S. or M.S. in Chemistry or related science, with a minimum of 4 years pharmaceutical industry experience (M.S.) or 7 years (B.S.). Demonstrated team-worker who possesses excellent problem solving capabilities and can work efficiently.</p> <p><i>Description of Company</i> Please visit our website http://www.celgene.com for more information about Celgene.</p> <p><i>Application Instructions</i> If you have the right qualifications, please visit the Celgene website http://www.celgene.com to apply for this position.</p> <p>Job ID 11549 EEO/AAP employer</p>	<p style="text-align: center;"><i>New ChemLuminary Award in Sustainability</i></p> <p>The ChemLuminary Award for Outstanding Sustainability Activities is the newest addition to the annual local section awards, and it is sponsored by the ACS Committee on Environmental Improvement (CEI). The award recognizes a local section that has introduced a new and outstanding program promoting sustainability at the local level. The award recipient will have demonstrated that the program educates people about sustainability, enhances awareness or promotes discussions between society members and the general public about sustainability, or encourages sustainable activities in the community or local businesses. All local sections are encouraged to self-nominate their sustainability activities for this new award via the section's 2010 Annual Report due February 15, 2011.</p> <p style="text-align: center;">*****</p> <p style="text-align: center;"><i>Local Section Mini-Grants Available for Sustainability Programming</i></p> <p>The Committee on Environmental Improvement (CEI) is sponsoring \$500 grants to help support programming on sustainability by local sections.</p> <p style="text-align: center;">Deadlines are March 1 and August 1 annually.</p> <p>The application form and further information is available at http://tinyurl.com/27spusy. All local sections are encouraged to apply.</p> <p style="text-align: center;">*****</p> <p style="text-align: center;"><i>ACS-Harvard Online Courses</i></p> <p>ACS has teamed up with Harvard Business Publishing to offer you courses that will help you hone your business skills. Our 42 online courses cover topics such as Budgeting, Business Plan Development, Career Management, Decision Making, Marketing Essentials, Writing Skills and many more. Courses within the ACS Harvard eLearning Library are offered to members at significant discounts.</p> <p>For more information, please visit http://www.acs.org/harvard</p>
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UPCOMING EVENTS

SENIORS/RETIREES/CONSULTANTS/ ETC. BREAKFAST
March 2, 2011 -- 9:30 AM
Marie Callender's Restaurant & Bakery, 11122 Rancho Carmel Drive, San Diego, CA 92128

THE 57th ANNUAL GREATER SAN DIEGO SCIENCE AND ENGINEERING FAIR
March 22 - 27, 2011

[Balboa Park Activity Center \(2145 Park Blvd.\)](#)
For information please see <http://www.gsdsef.org/home.asp>

[241ST ACS NATIONAL MEETING & EXPOSITION](#)

March 27-31, 2011
2011, Anaheim, California

22nd ANNUAL EVENT EARTHFAR 2011
April 17, 2011 -- 10 AM – 5 PM
Balboa Park

For more information please see <http://www.earthdayweb.org/>

SUMMER PICNIC

June 26, 2011

San Dieguito County Park, Solana Beach

FIFTY-/SIXTY-YEAR MEMBER LUNCHEON

Sunday, July 10, 2011

Tom Ham's Lighthouse

14TH ANNUAL SAN DIEGO MEDCHEM SYMPOSIUM

July 15, 2011

242ND ACS NATIONAL MEETING & EXPOSITION

August 28-September 1, 2011

Denver, Colorado

CHEMEXPO

October 22, 2011 -- 10 AM – 3 PM

Casa del Prado Plaza, Balboa Park

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SAN DIEGO SECTION OF THE AMERICAN CHEMICAL SOCIETY

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Donald Lewis, Lewis Kohn LLP	858-205-7757
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Thomas Stockfisch, Stockfisch Consulting	760-497-4108
Mohan Thiruvazhi, Incedis Therapeutics	858-405-2125
Jean Wang, IriSys Inc.	858-623-1520

STANDING & SPECIAL COMMITTEES

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Thomas R. Beattie (Chair)	858-587-1210
Tammy Dwyer, USD	619-260-4030
Barbara Sawrey, UCSD	858-822-4358
David Wallace	858-638-1866

ChemExpo

Paul Bruinsma, Hewlett-Packard Company	858-655-8322
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EarthFair

Julann Miller, Waters Corporation	800-252-4752 x6802
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Education Committee

Debbie Tahmassebi (Chair), USD	619-260-7454
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Fundraising Committee

Bill Szabo (Chair)	858-550-0306
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Government Affairs Committee

Ken Poggenburg (Chair)	760-635-2573
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International Year of Chemistry Committee

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Donald Lewis (Chair), Lewis Kohn LLP	858-205-7757
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Thomas R. Beattie	858-587-1210
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MedChem Symposium

Thomas R. Beattie	858-587-1210
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Newsletter Committee

Paul Bruinsma (Chair)	858-655-8322
Renate Valois (Editor)	619-692-0638

Picnic

Jim Shih	858-274-5875
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Masha Sergeeva (Chair), CalciMedica	858-952-5500
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Retired Chemists Committee

Ken Poggenburg (Chair)	760-635-2573
Will Harvey	619-297-1636

Seniors Breakfasts

Thomas R. Beattie	858-587-1210
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Website Committee

Randall Smith (Chair), Illumina, Inc.	858-405-4462
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Women Chemists Committee

Erica Campbell (Chair), Vertex Pharmaceuticals	858-404-6600
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Younger Chemists Committee

Erica Campbell (Co-Chair), Vertex Pharmaceuticals	858-404-6600
Ryan Clark (Co-Chair)	858-774-2095
Mark Tichenor (Co-Chair), Johnson & Johnson	858-784-3206
Steve Meduna, Johnson & Johnson	858-784-3206

Voice Mail – San Diego Section

619-687-5570
