



THE DAYTON SECTION

Fostering scientific education and research and promoting public understanding of science

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BULLETIN**Election Issue 2006****Meetings**

Oct. 3: Chemistry and Biochemistry of Chocolate: A Guilt-Free Food?

Nov. 13: Professional Practices, Honoring Our New 50-Year Members

Section News and Errata

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- Past Meeting – Annual Section Picnic, page 4
- Report from Council, pages 6–7
- In Remembrance of Kent J. Eisentraut, page 8
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Section Elections — page 5

- The Adlai Stevenson of the Dayton Section runs for Chair-Elect.
- Out of nowhere, an unknown candidate snatches the nomination for Treasurer.

DATE MATERIAL - MEETING ANNOUNCEMENT - DO NOT DELAY

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American Chemical Society
Dayton Section
Eugene M. Kettering Center
140 East Monument Avenue
Dayton, OH 45402-1267

UPCOMING MEETING

THE CHEMISTRY AND BIOCHEMISTRY OF CHOCOLATE: A GUILT-FREE FOOD?

The Section will provide various forms of chocolate (and coffee) in order to gain perspective on the question posed by the speaker.

SPEAKER: Professor Joe A. Vinson, The University of Scranton

DATE: Tuesday, October 3rd

VENUE: Dorothy Lane Market Loft, Springboro

DIRECTIONS: See <http://dorothylane.com/locations.html>

SOCIAL: 5:30 – 6:00PM

TALK: 6:00 – 7:00PM



Abstract:

Food and beverages derived from cocoa beans have been consumed by humans for 1500 years, and the beverage was originally used as currency and in religious rites by the Mayans and Aztecs. A short history of chocolate will give some perspective to the science of chocolate. Cocoa pods from the cacao tree *Theobroma cacao* are harvested and the beans removed from the pods and fermented. Dried and roasted beans contain about 300 chemicals including unique fats, alkaloids, and simple and complex polyphenols. The manufacturing process results in the production of the various types of chocolate including white chocolate, milk chocolate, dark chocolate, and cocoa powder. Chocolate is purported to have aphrodisiac properties and one ingredient acts on the cannabinoid (marijuana) receptor. Chocolate's antioxidant properties will be outlined and compared with other foods. How chocolate's fat and antioxidants are related to heart disease will be discussed in terms of epidemiological, animal, human supplementation, and mechanistic studies. Recent animal and human studies will be described to determine whether chocolate should be considered a guilt-free food.

About the Speaker:

Dr. Joe Vinson was born in Arkansas and grew up in the San Francisco Bay area. He attended college at the University of California at Berkley, where he received his B.S. in chemistry in 1963. He received a M.S. degree (in physical organic chemistry) at Iowa State University in 1966. He received a research assistantship at the Ames Lab of the Atomic Energy Commission at Iowa State and received a Ph.D. in organic and analytical chemistry in 1967 under the direction of Dr. James Fritz. After several teaching positions in Pennsylvania and a two-year stint in industry at J. T. Baker Chemical Company, he returned to academe and is now a professor of chemistry at the University of Scranton in Northeastern Pennsylvania. His research interests are wide-ranging and include drug analysis in physiological fluids and the effect of vitamins, minerals, and antioxidants on nutrition and health.

UPCOMING MEETING

PROFESSIONAL PRACTICES MEETING

DATE: Monday, November 13th

VENUE: The Wellington Grill; Dayton-Xenia Road (Old 35); East of Beavercreek High

SOCIAL: 6:30 PM

DINNER: 7:00 PM

The Dayton Section traditionally honors those members who have attained 50 years of membership in the American Chemical Society. This year, three members have attained this status: Mr. Howard Blossar, Dr. Lois Cook, and Mr. Arthur O'Meara. Each will receive an official ACS plaque of recognition and will be invited to address the Dayton-Section membership at a dinner meeting. All previous 50-year members are invited as guests of the Section. Election results will also be announced.

Please make reservations by contacting Dr. Narayanan Venkat at 255-9117 or at narayanan.venkat@wpafb.af.mil.

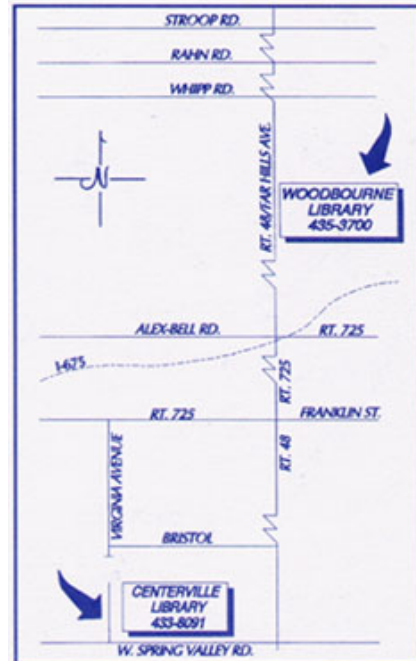
NATIONAL CHEMISTRY WEEK

DATE: Sunday, October 22, 2006

VENUE: Centerville Library, 111 W. Spring Valley Road

TIME: 1:00 pm – 4:00 pm

Come celebrate National Chemistry Week (Oct. 22 -28) with us at the Centerville Library, where we will highlight this year's theme "Your Home – It's All Built On Chemistry". How has chemistry impacted the materials used in your home over the years? Come find out! We will discuss materials used to build homes, home safety and preparedness, and recycling and conservation in the home. Please see <http://www.chemistry.org/ncw> for more information on this year's theme.



VOLUNTEERS NEEDED!

If you'd like to help the Section out for NCW, please contact Joy Rogers at (937) 255-9718 or joy.rogers@wpafb.af.mil.

PAST MEETINGS

ANNUAL SECTION PICNIC

On Saturday, August 26th, a couple dozen Section Members assembled at John Bryan State Park for our traditional picnic. Fun was had by all. Activities included eating, Frisbee, badminton, noshing, a competitive water-balloon toss, ingesting, and making most unkind remarks about those members who chose not to attend.



The women complained that the water balloons were too heavy, giving them lower back pain, while the men couldn't help but imagine what the contest would be like with much *larger* water balloons.



"Yo waitress! Can I get an order of slaw over here?"



The poor canine couldn't bear to watch when she heard someone demand, "*Put some more dogs on the grill!!*"



The concept of the water-balloon toss was lost on at least one of the picnickers.

REPORT FROM COUNCIL

At the traditional continental breakfast before Council a couple of weeks ago at the Fall Meeting of the ACS in San Francisco, there were actually tables for Councilors to sit at, unlike previous meetings. President Nalley had a pretty good idea — to have a Member of the ACS Board of Directors sit at each of the tables and engage Councilors in dialog. The problem was that the Board Member at my table wasn't exactly Mr. Talkative. However, he did have on a very nice suit and his table manners were impeccable. Council itself was substantially more eventful than the breakfast. Immediate Past President Bill Carroll gave yet another memorable address — his last to Council — bringing Council to their feet and tears to President Nalley. Hoping to set a precedence for the maximum number of terms served on the Board, Jim Burke chose not to run for a fourth term and gave his last address to Council. He, too, got a standing ovation, although it was somewhat less spontaneous than Bill Carroll's. The Big news, though (at least to me), was that two petition candidates — Yorke E. Rhodes and James A. Walsh — will be on the ballot in addition to the two candidates for president who were nominated by the Committee on Nominations and Elections (CNE) and chosen by vote of Council (Bruce E. Bursten and Bassam Z. Shakhashiri,). Not coincidentally, the Committee on Constitution and Bylaws (where I am an Associate Member), worked on a petition prepared by CNE that would substantially increase the number of signatures a petition candidate must obtain to be on the national ballot. At the District II Caucus, many Councilors voiced opposition to this petition, even though it was only presented at Council for consideration. I will likely vote against this petition when it comes up for vote at Council because it is designed to take power to nominate away from membership and consolidate it within CNE. Kent J. Eistentraut was mentioned along with the other, recently deceased councilors. It is comforting to know that my own death will at least be acknowledged somewhere.

The following is a white-bread summary provided by ACS staff.

ACTIONS OF THE COUNCIL

Election Results

The Committee on Nominations and Elections presented to Council the following slate of nominees for membership on the Committee on Committees for the 2007-2009 term: Theodore M. Brown, H. N. Cheng, Milagros Delgado, Alan M. Ehrlich, Roland F. Hirsch, Neil D. Jespersen, Melanie J. Lesko, Vincent M. Mautino, Les W. McQuire and Charles F. Rowell. By written ballot the Council elected H. N. Cheng, Milagros Delgado, Neil D. Jespersen, Les W. McQuire and Charles F. Rowell.

The Committee on Nominations and Elections presented to Council the following slate of nominees for membership on the Council Policy Committee for the 2007-2009 term: Martha L. Casey, Dwight W. Chasar, M. Elizabeth Derrick, Thomas R. Gilbert, Joe W. Hightower, Barbara J. Peterson, Robert A. Pribush, and H. David Wohlers. By written ballot the Council elected Martha L. Casey, M. Elizabeth Derrick, Thomas R. Gilbert and Joe W. Hightower.

The Council Policy Committee presented to the Council the following slate of nominees for membership on the Committee on Nominations and Elections: V. Dean Adams, G. Bryan Balazs, Merle I. Eiss, Marie G. Hankins, Charles P. Rader, Barbara A. Sawrey, Sharon P. Shoemaker, Herbert B. Silber, Ellen B. Stechel and Don B. Weser. By written ballot the Council elected Merle I. Eiss, Barbara A. Sawrey, Sharon P. Shoemaker, Herbert B. Silber and Ellen B. Stechel.

Candidates for President-Elect and Board of Directors for the Fall 2007 National Election

President-Elect 2007

- Bruce E. Bursten, University of Tennessee, Knoxville
- Yorke E. Rhodes, Retired - New York University, New York
- Bassam Z. Shakhashiri, University of Wisconsin, Madison
- James A. Walsh, Retired - John Carroll University, Florida

Directors-at-Large - 2007-2009

- William H. (Jack) Breazeale, Jr. College of Charleston, South Carolina
- Dennis Chamot, National Research Council, Washington, D.C.
- Peter K. Dorhout, Colorado State University, Ft. Collins
- Paul R. Jones, University of North Texas, Denton
- Valerie J. Kuck, Retired - Bell Labs, New Jersey
- Dorothy J. Phillips, Waters Corporation, Massachusetts
- Marinda L. Wu, Science is Fun! Company, California

REPORT FROM COUNCIL, CONTINUED

Petitions for Consideration

The Council received three petitions for consideration: Petition on Election Procedures 2006; Petition on Multi-Year Dues; and a Petition on Rules for Nominating Members of Nominations and Elections for National Offices. A brief discussion ensued on the Petition on Rules for Nominating Members of Nominations and Elections for National Offices. Action is expected on these petitions at the 2007 spring national meeting in Chicago.

Committee Review and Committee Change in Status

As part of a regular review, the Council VOTED to continue the Committee on Public Relations and Communication, the Committee on Environmental Improvement, and the Committee on International Activities subject to concurrence by the Board of Directors. The Council also VOTED to support the request of the Committee on Community Activities that its status be changed from an "other committee" of the Board to a joint Board-Council Committee. The purpose of the Committee on Community Activities is to improve the public perception of chemistry by providing programs to connect chemists with their communities.

Governance Review

The Council received a report from the Council Policy Committee on activities related to Governance Review. The Board-CPC Governance Review Task Force generated 23 ideas following initial interaction with the Board, Council, Committees and other interested members. A joint meeting of the Board of Directors and CPC was held at this meeting to prioritize the 23 ideas into three categories: to advance the idea as worthy of further consideration by the cognizant committee and/or interested groups; to refine the idea which will be sent back to the Governance Review Task Force for further consideration; or to place the idea in a "stop" category as an idea that will receive no further consideration as part of the governance review. Councilors received a listing of the 23 ideas organized into the three categories as prioritized jointly by the Board and CPC.

Registration Report and 2007 National Meeting Registration Fee

As of September 12, 2006, the ACS fall national meeting had attracted 15,603 registrants. Totals in select categories are as follows: Regular attendees 9,373; Students 3,350; Guests 510; Exhibit Only 504; and Exhibitors 1,666. The Committee on Meetings and Expositions reported that national meeting financial targets continue to be met, and therefore recommended to the Board of Directors that there be no increase in national meeting registration fees for 2007.

The Society's Membership

The Committee on Membership Affairs reported that through August 2006, a record 12,137 new applicants have been added to the Society's membership, and that the Member-Get-A-Member campaign is well on its way to the goal of 1,000 new members in this year.

Special Discussion Item

A special discussion item was again put on the Council agenda. The discussion focused on ensuring the American Chemical Society's future by engaging younger members throughout the Society's volunteer leadership. ACS President E. Ann Nalley framed the discussion by presenting the results of a councilor survey on the topic and many councilors offered useful comments and suggestions.

Review of the Chemical Professional's Code of Conduct

The Committee on Economic and Professional Affairs submitted its latest version of the Chemical Professional's Code of Conduct for Council review. It offers guidance for Society members in various professional dealings, especially those involving conflicts of interest.

ACTIONS OF THE BOARD OF DIRECTORS

The Board's Committees and Task Forces

The Board of Directors voted to recommend a nominee for both the 2007 Perkin Medal and the 2007 Othmer Gold Medal. The Perkin Medal, the highest award of the Society of Chemical Industry, is awarded for outstanding contributions to American industrial chemistry. The Othmer Gold Medal recognizes a chemical scientist of multiple talents and achievements and is awarded by the Chemical Heritage Foundation. The Board also received a report from the ACS Petroleum Research Fund Steering Committee. The Steering Committee has been charged with developing a set of focusing proposals that will be important to the future success of the Fund.

On the recommendation of the Board Committee on Professional and Member Relations, the Board voted the following:

- To approve revisions to the Guidelines for Society Cosponsorships with other organizations;
- To proceed with "phase one" plans to arrange the 2008 ACS/AIChE joint meeting, which involves working within the framework of the cosponsorship guidelines, engaging the support of the relevant technical divisions, and developing a suitable budget;
- To approve the request for cooperative cosponsorship of Pacificchem 2010, to be held December 14-19, 2010, in Honolulu, Hawaii, contingent upon approval of an acceptable budget for the conference.

The Board received and expressed support for a report presented by its Contingency Planning Working Group. The Contingency Planning Working Group was charged with developing a set of actions that could be undertaken if risks became reality for the Society. The Board's Task Force on the Timing of Committee Appointments also presented a report. This task force was asked to review the timing of committee appointments and seek opportunities to engage the Board Chair and President earlier in the appointment process. The Board also discussed plans for a third conference in Malta entitled, *Frontiers of Chemistry III: Research and Education in the Middle East* and agreed to recommend inclusion of \$50,000 for this meeting in the 2007 budget. The conference will take place in December 2007.

The Society's Mission

On the recommendation of the Committee on Planning, the Board voted to adopt a revised ACS mission statement: "To advance the broader chemistry enterprise and its practitioners for the benefit of Earth and its people."

Your Faithful Councilor, Steve Trohalaki

Alzheimer's Avoidance Therapy*

Unscramble the letters to reveal chemical phenomena, chemicals, or chemical moieties. Then, use the circled letters to solve the riddle. Answers next edition!

M U L V I A ○ □ ○ □ □ □

N A B L O T U ○ ○ □ □ □ ○ □

I S U M O M ○ ○ □ □ □ □

T R I E S L O ○ ○ □ ○ □ ○ □

When the disgruntled British chemist met his new office-mate – a newly hired American – he asked what his specialty was. The American answered, “I like working with aerosols.” “Well then,” the Brit replied, “you’ll just

○ □ ○ □ ○ □ ○ □ ○ □

○ □ ○ □ ○ □ !

*Surveys suggest that that mental exercises, including word puzzles, may delay the progression of Alzheimer's Disease.

AAT Answers from the Last Edition

sydnone

vicodin

pyrrole

micas

octet

Two sodium atoms walk into a bar. The barmaid comes over and says the chlorine ion over there feels very attracted to Na#1 and would like to buy him a drink. “What a floozy,” exclaims Na#2. “It’s not that,” says Na#1, “I’ve lost an electron.” “Are you sure?” asks Na#2. Na#1 replies: “Yes, I’m positive.”

In Remembrance of Kent J. Eisentraut

Kent J. Eisentraut, 67, a former Dayton-Section Councilor and a chemist at Wright-Patterson Air Force Base for 34 years, died on June 17 of lung cancer.

Kent grew up in upstate New York and majored in chemistry at St. Michael's College, in Vermont. He was commissioned to the Air Force after graduation and completed requirements for a private pilot's license. After receiving a deferment, Kent completed a doctorate in chemistry at Rensselaer Polytechnic Institute, in Troy, New York, in 1964. While at RPI, Kent worked at General Electric in Schenectady, New York.

Kent worked at DuPont for six months after graduating from RPI and then received orders to report to Wright-Pat for active duty as a researcher. In 1966, he was awarded the U.S. Air Force Research & Development Award. After completing his active duty, Kent was assigned to the inactive reserves for another five years until his honorable discharge as a captain. During his career, Kent's work included a new antiknock agent for gasoline, separation of the lanthanide elements by gas chromatography, developing methods to analyze moon rock and dust from the Apollo missions, and wear-metal analysis in gas engines.

A retired member, Kent joined ACS in 1961 and served as our Councilor for 10 years. He also served as an ACS Congressional National Science Counselor to Michael DeWine, then a Representative. After his stint as Councilor, Kent surprised many of the Executive Committee by relocating to New England to pursue a second career in forestry, an interest he developed during his undergraduate years.

Kent is survived by two children and two grandchildren. We are grateful for Kent's service to the Section and are saddened by his passing.