



## September Dinner Meeting

### Talk 1: A Scientific Look at Marijuana

### Talk 2: The Biochemical Role of Cholesterol: Good Guy or Bad Guy

Dr. Joe Vinson –University of Scranton  
Professor of Chemistry  
Tuesday, September 27<sup>th</sup>, 2011

- Talk 1:** 4:00-5:00PM (IUSB Student Activities Center SAC– Building 9)  
**Scientific Look at Marijuana – Free and Open to Public**
- Social Time:** 6:00-6:30PM (Cash Bar)
- Dinner:** 6:30-7:30 PM
- Dinner Talk:** 7:30-8:30PM Open to All- Prior RSVP Required-Dinner Cost  
**The Biochemical Role of Cholesterol: Good Guy or Bad Guy?**
- Dinner Location:** Papa Vino's 5110 Edison Lakes Parkway, Mishawaka, IN 271-1692
- Menu:** Spinach Artichoke Dip and Calamari, Papa's Salad, Penne Carbonara, Chicken Scallopini, Eggplant Parmesan, Tuscan Potatoes, Vegetables, Dessert, Beverage
- Dinner Talk Cost:** \$15 ACS Members, Guests or Public

**Abstract 1:** Marijuana remains the most commonly abused illegal drug in the United States. Unfortunately, we are only now beginning to know something about this drug. In this talk, we will cover in layman's terms the history of marijuana and the nature of the plant and the chemicals contained in it. We will look at what happens to marijuana when it is smoked and what happens to the body when marijuana is present. We will look in detail at both the acute and chronic effects of marijuana on human health. Recent research on the use of marijuana as a beneficial drug will also be highlighted. Ample time will be given for discussion after the presentation.

**Abstract 2:** The association of dietary fats and body cholesterol is a controversial subject under intensive investigation by scientists today. Advances in understanding the transport molecules of cholesterol and lipoproteins have now provided the link between cholesterol and heart disease. The chemical and physical properties of cholesterol will be discussed in order to understand its biochemistry. The biosynthesis of cholesterol and its metabolism will be described. The biology and chemistry of atherosclerosis will be discussed in light of recent discoveries. Risk factors for heart disease will be outlined. Factors affecting body cholesterol including diet, exercise, and drugs will be discussed in order that intelligent decisions can be made to lower the risk of heart disease.

**Biography:** 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 Berkeley, 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 academia and is now a professor of chemistry at the University of Scranton in Northeastern Pennsylvania. His research has been featured in Prevention, Psychology Today, Consumer Reports, AARP, Tufts Health & Nutrition Newsletter, US News & World Report and lampooned in a cartoon in Time magazine. He has appeared on TV-Good Morning America Sunday and radio-NPR All Things Considered and The Peoples' Pharmacy, as well as being mentioned by Jay Leno and Rush Limbaugh. Dr. Vinson is the author of over 70 publications. 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.

**RSVP Dinner Talk Only:** Andy Edelbrock (andy.edelbrock@bayer.com or Phone: 574-256-3443) by Friday September 23<sup>rd</sup>

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## Executive Committee Meeting Minutes

Saint Joseph Valley Section (ACS)

Executive Committee Minutes –September 8th 2011- 12:00pm Teleconference

Present: Dan Brown (Chair&amp; Past Chair), Andy Edelbrock (Secretary, Filter Paper Editor &amp; Webmaster), Pat Boettcher (Treasurer), Phil Bays (Councilor)

1. National Meeting Update- Phil reported that the most controversial issue was the merging and renaming of the Petroleum and Fuel divisions into the Energy and Fuel Division. He also commented about the 2 ACS presidential candidates running and his inability to clearly recommend endorsing one over the other as being better for our local section. His report will cover more details.
2. Chem-Luminary Awards- Our local section was a finalist in two separate categories – Outstanding Medium-Sized Section and Best Use of the NCW Theme. Although we were not selected as winners in either group, it was an honor to be finalists from among the 23 medium sized and the 180 NCW local sections submitted.
3. Spooktacular- NCW was discussed. Spooktacular will not occur this year with the move of ETHOS to their new headquarters. Spooktacular was our sections major NCW emphasis along with Karen Morris's program at ND. This year's theme is Chemistry and Health and it was suggested that maybe we could pair with Healthworks this year. Andy E has the responsibility of contacting them for possible collaboration.
4. September Speaker is Joe Vinson, and the section has arranged with IUSB for 2 talks, use of IUSB campus catering will be pursued. Other venues mentioned were Papa Vino's (new facilities) and Pasquale's being close by. The first talk will be at 4pm and will be A Scientific Look at Marihuana and the second talk will be at 7:30pm on the Biochemical Role of Cholesterol.
5. Treasurers Report indicated we are solvent at \$28,350. Finer details were to be sent via email and are as follows: Checking-\$10,933.64, savings-\$1751.09, CD-\$7743.13, CD-\$5000.00, and CD-\$2923.09
6. Dan asked Pat to put together the last several years budgets and submit before the next Executive Meeting to understand the influx and exodus of funds to be better prepared to discuss several funding requests
7. Travel Grants 2012- Our section has provided travel grants in the past and there was a recent question as to providing them in the future. The committee discussed what has been previously done and decided that we could support up to 4 - \$250/student travel grants in 2012. The stipulations would be that the student must be presenting a paper or poster at an ACS meeting, must submit the abstract and acceptance letter from the ACS to our local section for evaluation and the students would be required to present their research at a future ACS local section meeting singularly or in combination with all students selected.
8. Scholarship Selection- the Executive Committee reviewed the sole submission for the Free-Biting Scholarship. This program was rolled out several years ago and modified last year to open it up to more students. This year's candidate Kayla Edelbrock was approved as the first recipient of the award. It was also mentioned that the scholarship application should also require proof of acceptance or continuation at the school listed. Andy E will modify the application for next year. In addition, a suggest was made to open the scholarship up to SEED students similar to last year's recommendation and modification to include Chemistry Olympiad participants from our section. Dan asked to table this suggestion and include it on next Executive Meeting's agenda for review and comment.
9. Northern Indiana Regional Science Fair- the local section was approached about support for the fair and possible travel funds for local students who perform well at the state level and continue to the national level. A suggestion was made to offer cash awards to a student at each grade level for the best chemistry experiment. Dan was going to ask Karen Morris to supply more information on the travel fund request for the students. It was commented that the local section should concentrate any support given on promoting chemistry. This topic was tabled and will be discussed at the next meeting in greater detail.
10. High School Teacher Awards- the local section received a letter that the solicitation of recommendations for the regional Outstanding High School Teacher is being extended for our region due to a lack of submissions. Dan suggested that we should solicit our members to see if any of them might want to recommend a local teacher for this year or for future years.
11. Elections- This year the elections are for Councilor, Secretary, Treasurer, Member-at-Large, Chair-Elect. Additionally, the Alternate Councilor and Chair position might be vacant due to job transitions. A request for Nominations will be sent in the next Filterpaper.

Respectfully Submitted,

Andy



## Fall ACS National Meeting Councilors Report

### Denver

- As of September 1, 2011, the ACS fall national meeting had attracted 10,076 registrants. Totals in select categories are as follows: Regular attendees 6,088; Students 2,376; Guests 218; Exhibit Only 394; and Exhibitors 1,000.
- Candidates for President-Elect, 2012. I do not know enough about either of these candidates to make any comment about their qualifications. Read their statements in C&E News and be sure to vote.

Dr. Dennis Chamot, Associate Executive Director, Division of Engineering and Physical Sciences, National Research Council of the National Academy of Sciences, Washington, DC Dr.

Marinda Li Wu, Founder and President, *Science is Fun!* Orinda, CA

- Despite the challenging economy and continued high unemployment, the Society's overall membership number remains stable at near 163,000. The number of new undergraduate Student Members is growing rapidly, and as of July 31 the total stands at 15,702. The committee is concentrating its efforts on retaining current members. If you interpret these numbers, you will realize that while student membership is growing, that means that non-student membership is declining.
- A special discussion item was put on the Council agenda for this meeting. ACS President Nancy Jackson presented and moderated a discussion on how ACS can best cultivate a culture of safety in US universities and colleges.
- The Council VOTED to grant full division status to the previously probationary Division of Catalysis Science and Technology, and to approve the proposed bylaws of this division.
- After a lively discussion, the Council VOTED 53% - 47% to dissolve the Division of Petroleum Chemistry and to combine its assets and members with those of the Division of Fuel Chemistry under the new name of the Division of Energy and Fuels, effective December 31, 2011. The discussion centered largely around the name, particularly in inclusion of "Energy", rather than the merger.
- On the recommendation of the Committee on Budget and Finance (B&F), the Board VOTED to approve an advance member registration fee of \$360 for national meetings held in 2012.

I intend this to be my last report to the section as Councilor. 15 years is long enough!! We need to find someone to take my place at the upcoming election. It can be an interesting volunteer job, particularly if you serve on a Governance committee. Get in touch with me if you have questions about what the Councilor does.

Thanks for all of your support and encouragement over the years.

Phil Bays  
pbays@saintmarys.edu



## Call for Nominations for Local Section Positions

The local section of the St. Joseph Valley American Chemical Society is calling for volunteers to run for our 2012 elected offices. This year, the following positions are available. How would you like to have input in speaker selection, decide how the section spends your hard earned dues money, or the occasional opportunity to hobnob with ACS “Glitterazzi” such as Bonnie Charpentier, Joe Francisco or Madeline Jacobs? If you like volunteering your time to a worthy cause and feel that the only compensation you need is a pat on the back, an occasional “Well Done” and to be treated to a fine meal every dinner meeting, then any of the positions are for you. Please send your self-nomination to Dan Brown- 574-256-7754 or [Daniel.Brown@bayer.com](mailto:Daniel.Brown@bayer.com)

### **Chair- Elect** (3 yr commitment- Chair 2013 - Past Chair 2014)

The Chair-Elect becomes the Chair the following year and Past Chair the next year. As Chair Elect, you are instrumental in helping plan the ACS speakers for the following year of your “Chairship”. In addition, the local section sends you to all-expense paid ACS-sponsored vacation/training course in one of our fine cities scattered in the continental USA. As Chair the following year you will be responsible for running the executive committee meetings and submitting the annual report.

### **Councilor** (3 yr commitment)

The Councilor is responsible for representing our section at the ACS National meetings twice a year, summarizing the ACS National business meeting and any changes affecting both the local section and our members and submitting the report to the Executive Committee and for inclusion in the Filterpaper. The Councilor is also responsible for approving our Annual report to National. The section pays for the ACS meeting expenses.

### **Alternate Councilor** (2 yr commitment- To Fill a Vacancy of a 3 yr term)

This person is responsible for representing our section at the ACS National meetings when the Councilor is unable to attend. If the alternate councilor goes to the ACS spring or fall meeting in place of the Councilor, then the section pays for the ACS meeting expenses.

### **Treasurer** (1 yr commitment)

Treasurer’s responsibility is to keep the books and to write the checks to cover the activities of the local section as well as provide the executive council a monthly “state of the section” financial report. The treasure also fills out the financial section of the Annual report submitted in January of the next year.

### **Secretary** (1 yr commitment)

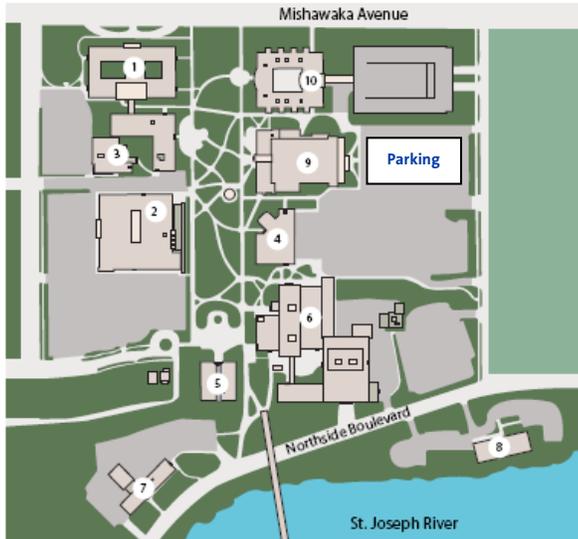
The Secretary’s responsibility is to document the executive committee meetings through minutes and provide to the ACS National Office the results of the Elections.

### **Member-at-Large** (1 yr commitment)

The Member-at-Large’s responsibility is to provide member feedback at the executive committee meetings and be available to help where needed.

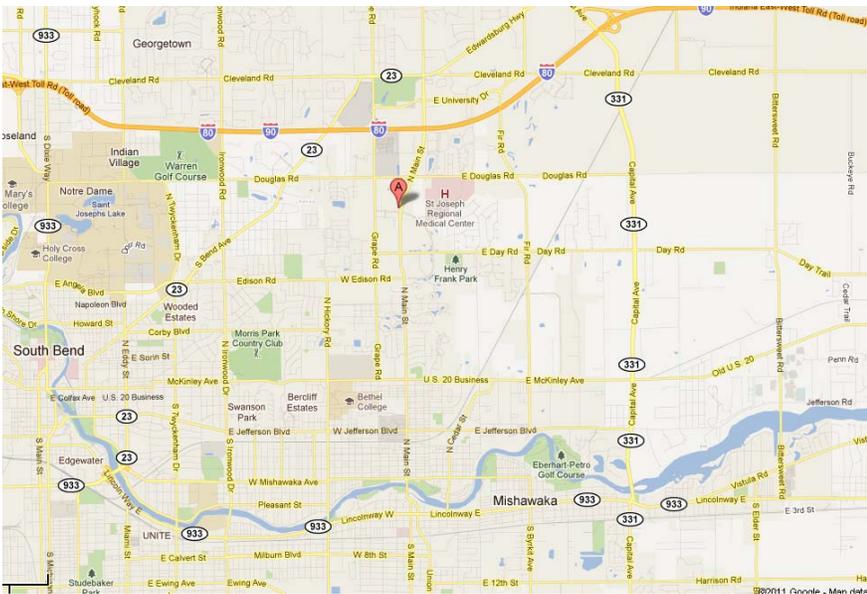


## September Dinner Meeting Directions



IUSB Talk in Student Activities Center in Building 9

Parking in adjacent lot



Papa Vino's on the corner of Main and Edison In Mishawaka near Meijers

## Special Thanks for 15 Years of Service

The Saint Joseph Valley Local ACS Section wishes to thank Phil Bays for all his years of service to the local section through his 47 years in the ACS and especially for his last 15 years as our section's councilor. His service as councilor will be greatly missed but we look forward to working with him again in which ever new position he wishes to apply for. (Phil see page 4)