2012-2013
Annual Banquet & Initiation
April 21, 2012
Weber's Inn

Dr. Todd Arnedt, Director of the Behavioral Sleep Medicine Program in the Department of Psychiatry gave a stimulating and informative talk about sleep.

Research at the University of Michigan
April 4, 2013
Chemistry Building.

Stephen Forrest, Ph.D., The Vice President for Research, gave his annual address on future trends for science at UM and nationally.

2013
Annual Banquet and Initiation
April 28, 2013 4:00 pm
1200 Chemistry Bldg.

Sushil Atreya, Ph.D.
The Curiosity Rover Explores Mars

UPCOMING 2014
Annual Banquet and Initiation
Wednesday, April 23, 2014

Larry Burns, Ph.D.
Driverless Cars
NOMINATIONS 2014

Note: Membership fees for new members may be covered by the Chapter

The nomination deadline is March 7, 2014

Thanks to a generous donation in memory of Sigma Xi member Harold Zepelin, Ph.D. is available to pay for membership fees for the first year ($30) and initiation ($20) of up to 40 nominations for initiates in degree programs (undergraduate or graduate), or a small number of full membership fees of senior scientist nominees if fewer than 40 such nominations are received (all or part of the 1st year membership fees of postdocs and senior nominees will be covered, up to the value of the Zepelin donation). The Chapter relies on members to nominate individuals for either Full or Associate membership based upon the nominee's stage of professional development. Associate members will also be considered for promotion to full membership.

- A Nomination Form for membership or promotion is attached to this newsletter; it can also be downloaded from the Chapter's web site (http://www.umich.edu/~sigmaxi/WordNomForm.doc).
- When complete, send to Henry Buchtel, Ph.D., by email if possible gusb@umich.edu or by USPS mail to Neuropsychology Section, 2120 Commonwealth Blvd, Ste C, Ann Arbor, Michigan 48105 (tel: 734-763-9259).
- All nomination forms must be fully completed. Forms should be signed by two Full, active members of the University of Michigan Chapter who know the candidate well, but if this proves difficult, one signature will suffice and the nomination committee will provide the second one.
- Submit with an electronic copy of the individual's CV. If the individual is being nominated for Full membership, please also provide at least two recent publications on which the nominee is first author.
- [2014-2015] Full-time, degree-seeking students pay annual dues at a reduced rate of $30.00. Membership fees for post-docs are $45.00 during the first three years after graduation and $90 thereafter. The initiation fee is $20 in all cases ($10 for promotion). See http://www.sigmaxi.org/member/dues/details.html for up-to-date details.

As a member, your annual dues and donations make possible the following:

At the Society level:  
- An electronic subscription to American Scientist  
- Grants-in-Aid to graduate students  
- Science Advocacy Program for legislators  
- Annual Sigma Xi Forum  

At the Chapter level:  
- Chapter forums on topical issues of interest  
- Chapter Newsletter  
- Support for the Southeastern Michigan Science Fair  
- Awards to Junior and Senior Division science fair winners

2013-2014 Chapter Officers

President: George Graham  
Vice-President: Robert Zand  
Co-Secretaries: Henry (Gus) Buchtel, Margaret Evans  
Treasurer: Richard Robertson

Council Members:  
- Karen Adams  
- Stanley Berent  
- Elizabeth Duell  
- Cynthia Marcelo  
- Peter Woo
NEWS from the University of Michigan Chapter

In 2008, the Chapter was granted 501(c)(3) status by the IRS, backdated to our founding in 1903. Please consider making a tax-deductable donation to the scientific and educational activities of the chapter. Details can be found at http://www.umich.edu/~sigmaxi/donations.html

NEW MEMBERS
At the 2013 Annual Initiation Banquet, six individuals were elected to Full Membership: Terence Clark, Michael Katz, Sathish Ramini, Michael Remington, Adam Stienecker and Kenneth Weil. Eleven were elected to Associate Membership: Emily Briceno, Shane Kraus, Selin Gulgoz, Kristen Lamp, Jennifer Marola, Loren Post, Sylvia Raszikowski, Lauren Reed, Drew Sturgeon, Jérren Weekes-Kanu, and Catherine York. The new members were welcomed into the society by the members present at the initiation banquet. Some pictures are available at http://umich.edu/~sigmaxi/banquet-2013.html

50 YEARS OF ACTIVE MEMBERSHIP (1963-2013)

At the 2013 Banquet, six members were honored for 50 years of active membership in Sigma Xi:

Clifton J. Blankley (012)  Lawrence D. Phillips (016)
James E. Harris (016)      Charles F. Sing (050)
Elmer L. Johansen (016)    Paul A. Volz (046)

Clifton J. Blankley (012 Elected by the Stanford University Chapter) Dr. Blankley was a chemist and inventor at Warner Lambert Pharmaceutical Company and has 7 patents between 1980 and 1995.

James E. Harris (016 - Elected by the UM Chapter) Author of the 1973 book "X-Raying the Pharaohs". From http://www.kingtutone.com/mummies/examination/ "Though considered slightly outdated, x-ray technology is still used in examining mummies. This technology was not permitted until 1967 and it took a group of visionary scholars from the University of Michigan and Alexandria to push this technology. Eventually, the campaign was led by Dr. James E. Harris."

Elmer L. Johansen (016 - Elected by the UM Chapter) Professor in the University of Michigan Institute of Science and Technology. Author of 1972 article, A Microwave Hologram Radar in the IEEE Transactions on Aerospace and Electronic Systems.

Lawrence D. Phillips (016 - Elected by the University of Michigan Chapter) In 1966 coauthor with statistician Ward Edwards of "Conservatism in a Simple Probability Inference Task".

Charles F. Sing (050 - Elected by the Kansas State University Chapter). Professor of Human Genetics. "Our research team is working to define the role of genetic variation in determining variation in health in the human population at large. Information from population-based samples is being used to address the questions that follow from the
reality discussed above. In particular we are asking which variations in which genes, in which environments, influence susceptibility to human disease?

Paul A. Volz (046 - Elected by the MSU Chapter) Prof. Volz was a professor of biology at Eastern Michigan University, specializing in mycology (study of mushrooms). He is now retired and living in Florida.

2013 - SCIENCE AND MATH TEACHER OF THE YEAR

Dr. James Lupton (Greenhills School) won the 2013 Science and Math Teacher of the Year Award. Dr. Peter Woo, Council Member and Chair of the Awards Committee, presented the award, which was made possible by a generous grant from Pfizer Pharmaceutical Company in support of the activities of our chapter. We are seeking nominations for the 2014 Teacher of the Year (Deadline March 7, 2014; nomination forms are available on the left side of the Chapter Web Page (http://www.umich.edu/~sigmax)

SOUTHEAST MICHIGAN SCIENCE FAIR

At the 2013 Annual Banquet, the following Junior and Senior Division students were honored for their work presented at the Southeastern Michigan Science Fair in early March 2013

Junior Division

Logan Hayner [Ann Arbor Open]: "The Egg Project"

Alexandra Kulick [Forsythe]: "That Baby... He is Very Adventurous or is She?"

William McRoy [Clague]: "The Ability to tell the Direction of Sound While Blindfolded"

Senior Division

Maya Gianchandani [Skyline]: "Developmental Programming of Glucose and Insulin Tolerance by Maternal Protein Restriction"

Nan Hu [Pioneer]: "Study of Light Scattering of Red Blood Cells Affected by Electric Fields"

Kelsey Snyder [Greenhills]: "Laboratory & Simulation Measurements of Forces within a Knee"

SCIENCE CAFÉ

The University of Michigan Chapter of Sigma Xi continues to be a proud supporter of the Science Cafés organized by the UM Exhibit Museum of Natural History. Last year (2013), your Chapter was sole sponsor of a Café on "Race and Education." Speakers were Drs. Shayla Griffin and Ron Woods. This year (February 2014), the Chapter was the co-sponsored (with the National Science Foundation) the Science Café on "Black Holes, Gravity, and Cosmic Geometry. Speakers were Lydia Bieri (Mathematics) and Kayhan Gültkin (Astronomy). The idea of Science Cafés is central to Sigma Xi's efforts to educate the public about how science works and about how scientists can contribute to efforts to improve the human condition.

COUNCIL MEMBERSHIP

We encourage members to consider joining the University of Michigan Council to help run current programs and to provide ideas for new chapter activities. Contact President George Graham if you are interested in serving.