



INDIANA ACADEMY OF SCIENCE NEWSLETTER

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Candidates for President-elect

James R. Curry



James R. Curry received his PhD in ecology and animal behavior from the University of Oklahoma in 1970 and he joined the biology faculty at Franklin College that same year. During his tenure at Franklin College he served as a Professor of Biology, Chair of the Biology Department, Chair of the Natural Science Division (including math and computer science), and briefly as an Associate Dean. He has served the Indiana Academy of Science as a chair of the entomology section and since 2000 as a member of the Publications Committee. His long term study of dragonfly ecology culminated in the publication of his book "Dragonflies of Indiana" which was published by the Academy in 2001. Professor Curry retired from the teaching faculty in 2008 and was granted emeritus status. He continues to maintain an office at Franklin College and is currently publishing a book dealing with the teaching of biology to students who for religious reasons are offended by scientific concepts related to evolution. He is the recipient of three faculty awards for excellence and one for scholarship.

Ahmed Mustafa



Ahmed Mustafa received his PhD in biology from the University of New Brunswick-Fredericton in 1997. From there he accepted positions as post-doctoral research fellow and research associate prior to joining the faculty at Indiana University Purdue University Fort Wayne in 2001. He was promoted to associate professor in 2007. His teaching focuses on physiology and pharmacology and his research focuses on stress physiology of fish and shellfish while attempting to identify the physiological, endocrinological and immunological changes that occur in stressed animals. In 2004 he received the Advisor of the Year Award. In 2007 he received the Sigma Xi Teacher of the Year Award and in 2008 he was awarded the Students Choice Award for Teaching Excellence. He is editor of BIOScope the IPFW Biology department newsletter. He has been an active member of IAS since 2001. He regularly presents his work and that of his students at Academy meetings.

Candidate for Treasurer

Edward L. Frazier received his MAT in biology from Indiana University in 1960 and is retired after a career of many years at Speedway High School. He has been active in the National Science Teachers Association serving on the Board of Directors, Executive Committee and Comptroller; the National Association of Biology Teachers as Secretary/Treasurer for two years, and the Hoosier Association of Science Teachers as President and Treasurer from 1985-2006. He has served the Indiana Academy of Science on numerous committees most notably as Parliamentarian and Treasurer from 1991-2008.

Candidate for Academy Foundation

Frank A. Guthrie is Professor Emeritus of chemistry at Rose-Hulman Institute of Technology following 42 years on the faculty. He has been a member of the Indiana Academy of Science for over 50 years. He was Treasurer from 1966-68, became President and was elected a Fellow in 1970. He was elected as a member of the Academy Foundation in 1986 and has served continuously since and as chair most or all of those years. In addition, as chair of the Academy Foundation, he serves on the Executive Committee and Budget Committee.

Candidates for Research Grants Committee

Anne M. Wilson received her undergraduate degree from Oberlin College and PhD at the University of Utah prior to a postdoctoral appointment at Florida State University. In 1996, she began her career at Butler University where she has been teaching organic chemistry and doing undergraduate research ever since. She is the current president of the Cobalt Chapter of Iota Sigma Pi, and a member of the American Chemical Society and the Council for Undergraduate Research. She has mentored several student presentations at IAS meetings.

Steve Kristoff received his undergraduate degree in astrophysics from Indiana University in Bloomington and his graduate degrees in medical biophysics from IUPUI. He has taught at both the high school and college level since 1985. He is currently an Associate Professor and Program Chair for Math and Science at Ivy Tech Community College in Lawrenceburg. He has taught a variety of courses at Ivy Tech, including General Biology, Human Physiology, Microbiology, Physics, Chemistry, and Algebra. Steve is a participant in the RiverWatchers volunteer monitoring program, incorporating real-time Ohio River data into his class lab activities.

Obituary for Larry Schaal

Lawrence (Larry) Schaal, 91, passed away March 19, 2008, at the Canterbury Retirement Home, 5801 Crestridge #C112, Rancho Palos Verdes, California 90275-4977. He served as Indiana's first U.S. Weather Bureau State Climatologist at Purdue University from 1956 to 1973 when the program was terminated. He then continued halftime as Indiana State Climatologist with Purdue University Agronomy Department until retirement in 1983. During this service he also published many papers for the Proceedings of the Indiana Academy of Science. He was a member of the American Meteorological Society and the Indiana Academy of Science.

After retiring, he moved with his wife Florence to Oceanside, California near San Diego to be close to children and grandchildren.

Larry was born in Barnard, Kansas, July 21, 1916. He grew up in Iowa and graduated from Morningside College in 1938. He received a Master's Degree at Purdue during his period of employment. He was a WWII veteran, serving as a meteorologist in the U.S. Navy.

He is survived by his wife Florence of 65 years at Rancho Palos Verdes, CA, a son, Russell, of Long Beach California, a daughter, Jeanie Gordon, of Denver, Colorado, as well as three grandsons, and two great grandchildren.

He was an accomplished pilot and an active member of the Purdue Faculty Aero Club for many years. He and Florence are fondly remember by many friends in the Lafayette Community. He was elected an IAS Fellow in 1980.

**-- William R. "Bill" Gommel
Historian/Necrologist**

“Belated” Summer - Fall Seasonal Thoughts from the IAS President

I have always enjoyed my summers. I have been fortunate enough to do something *different* just about every summer that I can remember, from carefree days in grade school (no classes!) to actually having, as a faculty member, the time and opportunity to do field work (no classes!) and travel, either on vacation or on a research project.

This summer has not been different. I finally took the opportunity to visit the Finger Lakes Region in upstate New York and also the coast of Maine. If you were an undergraduate taking geology courses at Purdue in the 60’s, you may remember these areas from the maps in the geology lab manual. It was a treat to finally, after almost 50 years, actually see what I had only imagined.

And then Fall—time to share summer experiences. This is where the Indiana Academy of Science sections come in. They are the forum for us to share experiences.

What would you want to share with your colleagues this fall?

In addition to the science part of the section meetings, I would like to hear your comments about the Academy. Are we in the Stone Age having Spring and Fall meetings in the format we currently use? Is this what you as Academy members want? What other good ideas do you have to share?

Do discuss Academy business at your section meeting! Some sections have had limited activities these last few years. Is it time to de-activate or re-activate?

And what can we do better to increase the science literacy level in Indiana? How can we reach out to more people, especially young people with questions ranging from the simple, “Why is the sky blue?” to complex inquiries on ecosystems.

Our Academy is also a forum for what I call *secondary interests*. We all selected a primary section of interest, but what have you done to foster and grow your secondary or



Nils I. Johansen, 2008 IAS President

even tertiary interest? For example, my wife and I had dinner with a friend of ours in New Harmony, Indiana. The dinner conversation was primarily about medieval manuscripts. We also talked about the magnificent cathedrals of Europe, and I found myself with a new research project—no, not the cathedrals, but the role of medieval parish churches. So, I guess I have committed myself to a future History of Science section talk.

It is your Academy. Let us share our summer experiences.

**-- Nils I. Johansen, P.E.
2008 IAS President**

Anika Williams, IAS Librarian, Is On Maternity Leave

Having given birth in September, **Anika** was unable to attend the Fall Conference in Evansville and is currently unavailable to assist with IAS Library/Archives maintenance, reference work, etc. While she is on leave, **Doug Conrads**, who filled in for **Holly Oster** during her absence, will be filling in for Anika. Doug’s email is

dconrads@library.in.gov and his direct telephone extension is **317.232.3685**.

We wish Anika well!

**-- Donald G. Ruch, Editor
IAS Newsletter**

ATTENTION IAS MEMBERS

Do to several unexpected events, the August issue of the IAS Newsletter was never printed or mailed to the membership. Since the August issue contains the information for the election of officers, *no officers have been elected!!!* Thus the reason for this Special Election Issue of the newsletter. Please take a few minutes to review the candidates' credentials and vote.

Ballets *must* be received by November 25, 2008.

Don Ruch, IAS Newsletter Editor

**Deadline for submission of material for the December issue of the IAS Newsletter is
November 21, 2008.**

Send copy to Donald G. Ruch at druch@bsu.edu

For IAS information, go to: www.indianaacademyofscience.org