

Emeritus Member News is a twice-yearly newsletter for Sigma Xi's honored Emeritus Members, intended to keep you up-to-date on news about Sigma Xi and its members.

We also e-mail monthly updates and member news. If you have not been receiving these updates and would like to receive them, please e-mail kgreenaway@sigmaxi.org.

Also, in the interest of saving trees, if you would prefer to receive this newsletter by e-mail as a PDF, please e-mail that request.

Goals:

To foster interaction among science, technology and society; to encourage appreciation and support of original work in science and technology; and to honor scientific research accomplishments.

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Career Focus: David M. Jarzen (1970)

Currently I am courtesy research scientist in paleobotany and palynology at the Florida Museum of Natural History in Gainesville. Born in Cleveland, I grew up in northern Ohio gaining an early interest in biology and the natural history of cool temperate environments. I earned my B.S. degree in 1967 from Kent State University majoring in biological sciences, and two years later I received my M.A. degree in botany from the same institution. In 1973, I was awarded the Ph.D. in geology from the University of Toronto.

My research interests in the nature of extant and fossil plant life have provided extensive field work in all regions of Canada and the U.S., as well as Europe, Zambia, Cameroon, Panama, Mexico, Colombia, Puerto Rico, New Caledonia, New Zealand, Fiji and several localities within Australia. The focus of my work incorporates a global view towards understanding the evolution of plant life during the Earth's history, with an emphasis on palynofloras recorded from Cretaceous, Paleogene and Neogene sediments. My publications of scientific papers number over 170, including both professional papers and popular articles. Some of my photography and illustrations have been seen in *Scientific Ameri-*

can, *The Owl Magazine*, other popular publications, on the Internet and in museum displays in Canada, Europe and the U.S. And some of my work has been incorporated in several radio and television productions including CBC's *Nature of Things*, the PBS NOVA Series, the NHK (Japan) Science Series *The Miracle Planet*, the National Film Board of Canada, the Discovery Channel and other North American cable networks.

At the Florida Museum of Natural History (University of Florida) I, along with Susan Jarzen, completed the restructuring of the 260,000 specimens of the paleobotany/palynology collections, including a 7,300 specimen collection of extant reference pollen slides, and have raised their standards for research and display to a par with other quality museums. While at the Marie Selby Botanical Gardens in Sara-

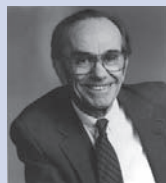


PHOTO BY DALE RUSSELL

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Sigma Xi Grants Helped Launch Research Careers

We never fail to get a warm fuzzy feeling whenever listening to **Thomas Eisner's** (1954) experiences from when he and **Edward O. Wilson** (1950) received their Sigma Xi Grant-in-Aid of Research (GIAR).



"Twelve thousand miles in four months at 45 mph... We had real adventures... It was fabulous, absolutely fabulous. And for me it was the trip that made

the difference in understanding nature and seeing the cohesiveness of life, the interdependence of organisms; and in many ways I can say I owe it to that \$200 Sigma Xi grant."

Did you receive a Sigma Xi GIAR?

Do you remember what that meant to you, and the experiences that that grant enabled? We're developing a Web page dedicated to your memories and experiences, to help encourage the next generation of researchers to apply for a Sigma Xi GIAR. Please e-mail your responses, and photos of that era, to Kristen at kgreenaway@sigmaxi.org. By the way, you can hear and view that excellent Sigma Xi interview with Eisner on our Web site at: www.sigmaxi.org/programs/giar/index.shtml (scroll down to the bottom of the page) as he remembers their life-changing 12,000-mile journey. They did indeed have some "real adventures!"

Career Focus: Richard W. Berry (1957)

I retired (officially) in 2001, days before my 68th birthday. I had continued to teach well past the typical retirement age of 63 because I was still enjoying the classroom experiences. In 2001 the activities that were not so much fun began to outweigh those that I enjoyed. Although I "totally retired" according to the California State University, I discovered that, in fact, I only needed to retire from doing those things that I no longer enjoyed. Some of my colleagues accuse me of "flunking" retirement.

Since 2001, I have continued to teach a graduate course in clay mineralogy on those occasions when the department's budget allowed and I had the time. I taught the graduate course most recently during the spring semester of 2007. The department finds me valuable enough to allow me to keep an office and continued access to a lab. I do a bit of research (a paper co-authored with a not yet retired colleague is in press) and some volunteer work for the office of the dean of the college of sciences.

I keep fit by walking the dog with my wife and spending a modest amount of workout time at a nearby YMCA. I am active in the Clay Minerals Society, having just stepped down from a national committee chair and seat on the society council.

My wife and I travel and enjoy our grandchildren (we have a trip to France and Spain planned for the fall of this year).

One last connection to Sigma Xi is that when I was inducted in 1957, I had just received my masters degree from Washington University (St. Louis). The speaker at the event was **Linus Pauling** (1925). At that time I had a very brief personal encounter with him that I cherished in my memory but was certain that he had forgotten it immediately. In 1993, as chair of the host committee of the annual meeting of the Clay Minerals Society, I invited Pauling to give the Pioneer in Clays lecture. He accepted and gave an amazing talk about his work on the atomic structure of some clay minerals during the late 1920s and very early 1930s. During an interview with the society manager, he indicated that he remembered me from Washington University. During his lecture he quoted from memory the lattice parameters (to the 6th or 7th decimal place) of the clay minerals he had worked on more than 60 years previously. It is a further credit to his amazing memory that he could remember our brief encounter 36 years previously, because I certainly was not a very memorable person. His son, Linus Pauling, Jr., indicated that his father was pleased to be invited to the lecture, because it had brought his career full circle. Linus Pauling, Sr. died approximately a year following the Pioneer lecture.

Richard W. Berry (1957) is professor emeritus in the department of geological sciences at San Diego State University. He lives in San Diego, California.



What Do Sigma Xians Do When They Retire?

Following on the success of the informational paper *Where Do Sigma Xians Retire?* (<http://giving.sigmaxi.org/retire.shtml>), we realized that many of you either have not retired (and have some pretty strong views on either "retirement," per se, or being "retreaded"), or have thrown yourselves into other pursuits, such as volunteering, writing, painting or traveling.

We are currently preparing a second informational paper, *What Do Sigma Xians Do When They Retire?*, with your news and views on what advice you have regarding what can be done in retirement. If there are any further contributions before we publish the first version, please send your contributions to Kristen at kgreenaway@sigmaxi.org, or via USPS at the Society's address.

If you are not on the Internet and would like a copy of the paper, *Where Do Sigma Xians Retire?*, now on its third version, please let us know.

Beyond Charitable Rollovers: IRAs and Their IRD Cousins

For the past two years we've been encouraging our members to take advantage of the temporary IRA charitable rollover provision contained in the Pension Protection Act of 2006. Although the IRA charitable rollover expired at the end of December 2007, the gift planning community is working hard to convince lawmakers to continue, and ideally to expand and make permanent, the tax incentives for using IRAs to make charitable gifts during your lifetime.

It is possible that extension legislation could pass in 2008 that will be retroactive to January 1, 2008. Regardless of whether or when this goal is achieved, it's a good idea to be acquainted with the advantages of using IRAs and other retirement plan assets to make charitable gifts upon death. If you would like a copy of a paper we have prepared on this subject, please send an e-mail to kgreenaway@sigmaxi.org, or phone 919-547-5210.

Career Focus: David M. Jarzen

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sota (2002-2003), I enriched the cultural level of educational programs and introduced the Gardens and the community to internationally respected speakers through a speakers' bureau and lecture series which I developed. In 2003, I was honored through election as a Fellow of the National Explorers Club, and in 2005 I was elected as a Fellow of the Ohio Academy of Science. Extra-curricular activities include music that enhances the soul, nature photography (digital and film format), satirical writing, botanical illustration and all aspects of natural history.

David Jarzen (1970) resides in Gainesville, Florida.

Emeritus Members in the News

Jordan J. Baruch (1948) a member of the National Academy of Engineering and president of Jordan Baruch Associates in Chevy Chase, Maryland, has been presented the Arthur M. Bueche Award "for the promotion of innovation and management of science and technology nationally and internationally, thereby enhancing the economy of the U.S. and developing nations." He received \$2,500 and a gold medallion in recognition of his statesmanship in U.S. public policy on technology and for promoting ties among academia, industry and government.

Robin S. Chapman (1967), professor emerita of communicative disorders, University of Wisconsin-Madison, and Waisman Center principal investigator, has recently received the 2006 Career Research Scientist Award from the Academy on Mental Retardation. She is also the author of the poetry collection, *The Dreamer Who Counted the Dead*, and co-editor of the anthology, *On Retirement: 75 Poems*, both published in 2007.

Robert (Bob) G. Corbett (1960) was awarded the American Institute of Professional Geologists (AIPG) Martin Van Couvering Memorial Award. Corbett's career has involved training students as a university professor of geology, applying geology as a consultant, geological research and administrative responsibilities.

Thomas Eisner (1954) has been awarded the John J. Carty Award for the Advancement of Science by the National Academy of Sciences. The medal and a prize of \$25,000 are awarded annually for noteworthy and distinguished accomplishment in any field of science (ecology in 2008). Eisner, J.G. Schurman professor of chemical ecology in the department of neurobiology and behavior at Cornell University, was recognized "for pathbreaking studies of the myriad ways that organisms utilize chemistry to mediate ecological interactions and providing a foundation for the field of chemical ecology." The award was established by the American Telephone & Telegraph Co. in honor of John J. Carty and has been awarded since 1932.

Kenneth D. Gardner, Jr. (1973) has shared honors in the naming of an endowed chair in kidney research at the University of New Mexico School of Medicine. The Solomon, Gardner, Sterling Research Chair in Nephrology recognizes a physiologist, the late Sidney Solomon; Gardner, an internist-nephrologist; and William A. Sterling, a transplant surgeon, for their integrated contributions to teaching, patient care and investigation in the broad field of renal medicine.

Benjamin Mosier (1958), featured in Vol.1, Issue 1 of the *Emeritus Member Newsletter*, has again been honored, receiving the coveted National Aeronautics and Space Administration (NASA) Space Act Award. This award was for his contribution to patents and research conducted on microencapsulation and drug delivery systems.



Stanford S. Penner (1944), distinguished emeritus professor of engineering physics at the University of California. San Diego and National Sigma Xi Lecturer in 1977-78 and 1978-79, received the 2007 Founders Award from the National Academy of Engineering.

Karl Pister (1945) has been presented with the Clark Kerr Award for Distinguished Leadership in Higher Education by the Berkeley Division of the University of California Academic Senate. The award recognizes extraordinary and distinguished contributions to the advancement of higher education. The Berkeley Division established the award in 1968 as a tribute to Kerr, a former Berkeley chancellor and UC president. While chancellor at UC Santa Cruz, Pister assisted in establishing a chapter of Sigma Xi there. His brother, **E. Phil Pister** (1952), is also an Emeritus Member.

Rear Admiral Conrad J. Rorie (1970), USN (Ret), Ph.D., was recently presented a distinguished alumni award from the Naval Postgraduate School, based on his significant accomplishments, recognition in a field of study or practice, or impact on the educational programs of NPS.

Member Spotlight

Long-time Life Member **J. Daniel Bode** (1949) will be remembered, and honored in perpetuity, with a \$340,000 testamentary gift to the Society. Bode passed away in December 2006, requesting that the remainder of his estate go to support the Society's Grants-in-Aid of Research program, with priority given to research requests in the field of chemistry. Bode's kindness shown to young researchers earns him a privileged place in the Society's **Leroy Record Heritage Society**. Named in honor of one of Sigma Xi's most generous supporters, the Leroy Record Heritage Society recognizes members and friends who have made a commitment to Sigma Xi through their wills and other planned gifts.

John H. Marburger, III (1982), Director, Office of Science and Technology Policy, Executive Office of the President, recently gave a lecture to the American Geophysical Union. "When I was asked by the American Geophysical Union to give the

'Union Lecture' at their annual meeting, I decided it would be a good opportunity to try to frame climate change in the larger context in which real-world action is necessary. Viewed as a scientific phenomenon (really a large set of intricately connected phenomena) the actions that need to be taken to address anthropogenic global warming are straightforward: stop doing those activities that produce greenhouse gases. But when you consider why those actions are occurring in the first place, and what it will take to change them, the situation becomes much more complicated. I tried to explain why in my lecture, and what kind of response is required for this most daunting of all environmental problems." To read Marburger's speech, please visit: www.ostp.gov/cs/speeches and click on Marburger's December 10, 2007 speech; or, if you are not on the Internet, you can ask for a copy to be sent to you via USPS by calling Kristen at 919-547-5210.

Looking Ahead in 2008 for Sigma Xi

The Year of Water

In 2008 we will focus on what many consider the most critical issue in science today— **WATER**. The scientific, policy and ethical aspects are monumental, but Sigma Xi is up to the challenge.

SIGMA XI
THE SCIENTIFIC RESEARCH SOCIETY

H₂O 08
Science Policy Ethics

Visit our Web site as we explore this topic with white papers, podcasts and a blog. Plus, we will culminate the year-long focus at the 2008 Annual Meeting in D.C. in November, with posters on water issues at the annual student research conference, forums sponsored by the Diversity and International Committees on water issues, and a student science film competition on water that will be screened at the annual meeting and posted on the Web site!

We cannot achieve these goals without your support. Thank you!

Bylaws Task Force

We have instituted a Bylaws Task Force that will recommend changes to our Society's bylaws. This will be an important accomplishment for the Society, because our bylaws have some anachronistic constraints that keep us from adapting to changing environments and from conducting Society business in the most efficient manner. The Task Force encompasses all constituencies to achieve a fair representation of the Society's membership. **Kelly O. Sullivan** (1996), Sigma Xi's constituency director-elect for area groups, industries and state and federal laboratories, is the chair.

Jerome Baker Named Executive Director

Jerome (Jerry) F. Baker (1990) has been named executive director of Sigma Xi. He begins his duties April 14 at the Society's administrative offices in Research Triangle Park, North Carolina. Baker comes to Sigma Xi from the Federation of Animal Science Societies (FASS) in Savoy, Illinois, where he was chief executive officer.

Baker has more than 25 years of professional experience as an animal scientist. He is a former executive director and treasurer of the American Society of Animal Science and has been a faculty member at the University of Georgia, Texas A&M University and the University of Nebraska.

A recognized leader in animal science, Baker has edited three books, written more than 50 journal articles, presented nearly 100 abstracts and served on the editorial boards of the *Journal of Animal Science* and the *Professional Animal Scientist*. He has also served on national and international program committees focused on animal genetics and has received more than \$1.6 million in research grants over the course of his career.

For more information on Baker, look for an article in *Sigma Xi Today*, which will appear in your May-June 2008 issue of *American Scientist*.

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to receive *Emeritus Member News*
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at kgreenaway@sigmaxi.org

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to include any news
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3106 East NC Highway 54, PO Box 13975
Research Triangle Park, NC 27709
Tel: 800 243 6534
Fax: 919 549 0090
www.sigmaxi.org

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