

# *The* OHIO ACADEMY of SCIENCE

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*Fostering curiosity, discovery and innovation to benefit society.*

## ***What has the Academy done for you lately?***

<http://www.ohiosci.org>

1. This summer, with support from the Ohio Environmental Education Fund, we awarded \$37,500 in environmental science and environmental engineering college scholarships to 13 outstanding undergraduate students at both private and state supported colleges. Over the past seven years we have awarded more than \$316,600 to a total of 131 students at 40 colleges and universities. The next deadline is June 1, 2007 for the 2007-2008 school year.
2. Newly elected **FELLOWS** of The Ohio Academy of Science include: Dr. Vincent A. Billock, General Dynamics, Dayton; Dr. Robert C. Elston, Case Western Reserve University, Cleveland; Mr. R. Lynn Gilliland, Retired - General Motors Powertrain, Defiance; Dr. Paul S. Malchesky, International Center for Artificial Organs & Transplantation, Painesville; Prof. Peter J. Torvik, Retired - Air Force Institute of Technology, Xenia. Fellows shall have rendered some special service to The Ohio Academy of Science or shall have made extensive, productive scientific, technological or educational contributions to society. Prior to nomination, Fellows shall be Members, and, if elected as a Fellow, shall be considered as Fellows as long as they maintain membership. Fellow application forms are posted at [www.ohiosci.org/FellowApplication.pdf](http://www.ohiosci.org/FellowApplication.pdf)
3. The Ohio Academy of Science has named 13 Ohioans to an Institutional Review Board (IRB) that will guide all of the Academy's human subjects research activities. Regardless of whether the research is subject to Federal regulations, the Academy will be guided by the basic ethical principles in the *Belmont Report: Ethical Principles and Guidelines for the Protection of Human Subjects of Research* of the 1979 National Commission for the Protection of Human Subjects of Biomedical and Behavioral Research. Dr. Jere M. Boyer, Director of Research and Research Administrator for Summa Health System in Akron, will chair the Academy's IRB. The vice-chair is Dr. Karen M. Gil, Director of Resident Research in the Department of Obstetrics and Gynecology at the Akron General Medical Center, Akron OH. Dr. Andrea M. Karkowski, associate professor of Psychology at Capital University, will serve as secretary. Fr. William Hritsko, Priest of the Sacred Heart Church, Coshocton OH, will serve as a non-scientist member of the IRB, a basic requirement of all IRBs. See [www.ohiosci.org/PR2006IRBAppointments.pdf](http://www.ohiosci.org/PR2006IRBAppointments.pdf)
4. Nominations are open until September 15 for officers and members of the Board of Trustees of The Ohio Academy of Science as follows:
  - President-elect
  - Secretary (three year term)
  - At-large Trustees (two-year term) representing
    - Academia
    - Business and Industry
    - Government

Please email ([oas@iwaynet.net](mailto:oas@iwaynet.net)) or mail your nominations by September 15.

5. The Ohio State University Libraries have developed *The Ohio Journal of Science* **DIGITAL ARCHIVES** that enable anyone to search and retrieve all articles from 1900 to 2003. See link at [www.ohiosci.org/ojs.htm](http://www.ohiosci.org/ojs.htm) .

6. **STEM2015** is the title of a Board-approved White Paper that outlines the Academy's position of doubling the number of science, technology, engineering and mathematics (STEM) graduates by 2015. See [www.ohiosci.org/STEM2015WhitePaper.pdf](http://www.ohiosci.org/STEM2015WhitePaper.pdf)
7. The Technology Division of the Ohio Department of Development continued to support the Academy's program of Governor's Awards including college scholarships in biotechnology, materials science, manufacturing sciences and information technology.
8. This November our Science Policy Advisory Committee again will survey Ohio elected officials, including the new Governor, to determine their understanding and priority to address science-based public policy issues such as biotechnology, cancer prevention, government /university partnerships in science, education reform, environmental protection, and technology development.
9. Nearly every day we distribute up-to-the minute science and science education news via Email.
10. For 135 undergraduate research presenters and pre-college students, the 2006 Annual Meeting, hosted by University of Dayton, was their *first opportunity* to make a scientific presentation.
11. Over 1,100 students in grades 7-12 attended the 58<sup>th</sup> Annual State Science Day last May at Ohio State's French Field House and St. John Arena where more than 100 colleges, universities and professional groups presented more than \$3.2 million in scholarships and awards. AEP-American Electric Power, The Ohio Environmental Education Fund and Boehringer Ingelheim Roxane, Inc. provided title sponsorship of State Science Day @ \$10,000 each.
12. At the Academy's request, over 440 local and state elected public officials—including State Auditor JIM PETRO, and Secretary of State, J. KENNETH BLACKWELL—sent personalized congratulations to State Science Day Students. In 2004 this program received a special outreach award of excellence from the Ohio Society Association Executives.
13. Cuyahoga Community College-Eastern Campus will host the 2007 Annual Meeting on April 20-22. Abstracts are due November 6. See <http://www.ohiosci.org>
14. Sixteen colleges and universities will host district science days in March 2007 affecting nearly 4,000 students in grades 5-12.
15. Initiated by a grant from the Ohio Bicentennial Commission, the Academy maintains *HeartlandScience.org*, a website that provides more than 100 vignettes of Ohio individuals, corporations and institutions that have changed the world through discovery and innovation. See especially a thought piece on *Ohio Science and Technology in the Future* by Dr. Stephen M. Millett of Battelle <http://www.heartlandscience.org/future/future.htm>
16. A mini-grant from the Ohio Environmental Education Fund enabled the Academy to produce a CD-ROM version of *Ohio's Natural Heritage* that links the text to Ohio's educational standards in science and social studies to extend its use as a curriculum planning tool.
17. Grants from the divisions of Natural Areas and Preserves and the Division of Wildlife have enabled the Academy to reissue the now out-of-print classic book *Ohio's Natural Heritage* in Adobe Acrobat™ on a CD-ROM. Also available is a B & W text trade paperback version. See <http://www.ohiosci.org>.
18. The Academy continues to monitor the machinations of the members of the State Board of Education to insist that any thread of intelligent design creationism does not get woven back into the fabric of the State Science Education Standards or model lessons.