

The Science Initiative Newsletter

March 2010



Science Grads Honored by Aquinas College

The year 2010 has proven to be an auspicious one for science graduates of Aquinas College. Two will be inducted into the Aquinas College Hall of Fame, while two more will be presented with a Distinguished Service Award by the Aquinas College Alumni Association. The four will be honored at the September 24th Awards Banquet that launches Homecoming Weekend this fall.

The Hall of Fame honorees are Muriel Karp Ross '48 a biology graduate who earned her Ph.D. at the University of Michigan and served as a professor of neural anatomy at the university for 24 years before moving to NASA's Ames

Research Center, in California. There she conducted investigations regarding weightlessness and balance as well as developing a 3-D virtual surgical simulator that allows surgical techniques to be perfected before they are performed on patients.

Also entering the Hall of Fame is Larry Burns '63 who majored in biology before receiving a D.O. degree from the College of Osteopathic Medicine in Kirksville, Missouri. Returning to practice as an OB-GYN in Grand Rapids, Michigan, he became active in the leadership of the Right-to-Life organization on both the local and state level as well as providing medical care for those unable to afford such services.

The two serving co-directors of the Science Initiative Advisory Committee were honored as recipients of the Aquinas College Alumni Association's Distinguished Service Award for their role in guiding the Science Initiative since its inception in 2003.

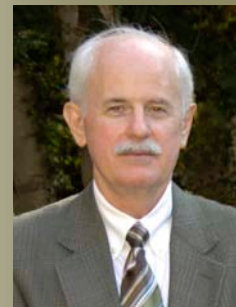
Bob Boguslaski '62 graduated with a degree in chemistry and completed his Ph.D. in organic chemistry at the University of Notre Dame. After serving as the vice president of research and development at Bayer Corporation, he left to found his own company—the Serim Research Corporation—that manufactures medical devices.

Tom Zwier '76 received his degree in chemistry before earning his Ph.D. in analytical chemistry from the University of Arizona. He joined the Upjohn Corporation as a research scientist and recently retired in 2008 from his position with that firm as the director of the quality assurance program for active pharmaceutical ingredients.

The four will be featured in the upcoming April issue of the *Aquinas* magazine which can be viewed at the College's Web site. Start at www.aquinas.edu, proceed to the pull-down menu under "departments," click on "college relations" and then "publications."



Muriel Karp Ross, Ph.D.



Larry Burns, D.O.



Robert Boguslaski, Ph.D.



Thomas Zwier, Ph.D.

Spotlight on . . .



DR. THOMAS BAHL, associate professor of biology, joined the Aquinas College community in 2002. He obtained his Ph.D. in neuroscience from Emory University in Atlanta, Georgia, and has taught human anatomy and physiology, neuroscience, and the Senior Seminar Series for biology majors as well as serving on many campus committees that support the Science Initiative, science programming, student retention, and student recruitment. Dr. Bahl was awarded Mohler-Thompson Research grants to mentor students in the summers of 2007, 2008, and 2009.



SAGE OWENS ('12). The life of a motivated nursing student is a full one as Sage's illustrates. Presently completing her Med-Surg clinical experience on the renal unit of St. Mary's Hospital, she will move directly into a geriatric co-op program this summer. Currently an American Heart Association Certified Basic Life Support (BLS) instructor, she added to her scientific training by completing courses in organic chemistry at Western Michigan University last summer. In the summer of '06, Sage worked in a Ferris State University laboratory synthesizing a chemotherapy drug used in research.



AQUINAS
COLLEGE

SCIENCE INITIATIVE
ADVISORY COMMITTEE
MEMBERS

Co-Chair
Robert C. Boguslaski '62, Ph.D.
Co-Chair
Thomas Zwier '76, Ph.D.
Director
Charles R. Frydrych '63

Robert Ampulski '64, Ph.D.
David Baumgartner '79, M.D.
Ronald Carlotti '95, Ph.D.
Sandy Cook '93
Larry Erhardt, Sr., '53
E. Jane Freer '74
Mark Meijer '80
Robert Niedzielski '58, Ph.D.
James Resau, Ph.D.
Phyllis Saganski '62
Darrell Thompson '52
Luis Tomatis, M.D.
Steven J. Triezenberg, Ph.D.
Jeroen Wagendorp '82, Ph.D.

FACULTY OF
NATURAL SCIENCE,
NURSING AND
MATHEMATICS DIVISION

Thomas Bahl, Ph.D.
Robb Bajema, Ph.D.
Kathy Bashore
Sheri Bertolone
Paul Bieneman, Ph.D.
Melissa Bouws
Karen Burritt
Li-Heng Chen, Ph.D.
Yashowanto Ghosh, Ph.D.
Sr. Katrina Hartman, O.P. '64, Ph.D.
Jennifer Hess, Ph.D.
Elizabeth Jensen, Ph.D.
Suzanne Keep
Eugene Kozminski '72
Shari Lewis '89
Sr. Ann Mason, O.P. '61
Richard McCluskey, Ph.D.
Michael McDaniel '72, Ph.D.
Jeffrey McKelvey, Ph.D.
Summer Silvieus, Ph.D.
Joseph Spencer, Ph.D.
Sr. Linda M. Thiel, O.P., Ph.D.
Robi Thomas, Ph.D.

Science Initiative Research and Equipment Endowment Fund Established

Two alumni of Aquinas College matched contributions at the end of 2009 to establish a Research and Equipment (R&E) Endowment Fund that will provide some of the additional resources required to operate a vigorous undergraduate student research program at Aquinas College.

The creation of the fund was approved by the Science Initiative Advisory Committee (SIAC) last fall and a goal of \$1,000,000 was established for the fund.

A lead donation of \$50,000 to inaugurate the fund was made by Dr. Bob Boguslaski '62, the co-chair of the SIAC. His contribution was then matched by Ted Thompson '52, an active

member of the SIAC, who had previously joined in establishing the Mohler-Thompson Endowment that supports student summer research.

The R&E Endowment will support the annual expenses associated with student research efforts. These include software licensing, providing for routine equipment maintenance and calibration, funding student travel to regional science conferences, and supplying other resources associated with research activities that take place throughout the year.

Anyone interested in contributing to the newly created R&E endowment can do so by contacting Greg Meyer, the associate vice president for Institutional Advancement at greg.meyer@aquinas.edu, or by obtaining the on-line .pdf form at http://www.aquinas.edu/advancement/pdf/online_giving.pdf and specifying "R&E Endowment" on the Science Initiative Endowment line of the form.

A SAMPLING OF BOOK PRICES AT THE AQUINAS BOOKSTORE:

- ▶ *Calculus 6th ed.* by Stewart, Thompson, \$158.75
- ▶ *Linear Algebra 8th ed.* by Kohlman & Hill, Prentice-Hall, \$145.50
- ▶ *Chemistry 5th ed.* by Silberberg, McGraw-Hill, \$208.50
- ▶ *Molecular Biology of the Cell 5th ed.* by Alberts, Johnson, et al, Garland Science, \$149
- ▶ *Physics for Scientists and Engineers 5th ed.* by Serway & Beichner, Brooks-Cole, \$107.50

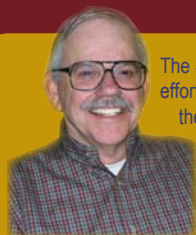
BOOK BAGS NOT ONLY WEIGH A TON, THEY NOW
COST A SMALL FORTUNE TO FILL!

Plastinated Human Cadaver Coming from U of M

Work has begun at Albertus Hall in preparation for the arrival of a human cadaver acquired from the University of Michigan's plastination laboratory under the auspices of the Science Initiative. A secure, non-public, and environmentally controlled storage room will be completed this summer in preparation for the acceptance of the cadaver later this year.

Bodies plastinated at the University of Michigan's laboratory are obtained from state residents who chose to donate their bodies to science. The respect and honor due to the men and women who chose to support science education in this manner is a topic that will be emphasized in the instruction that will accompany the utilization of the cadaver.

Dr. Tom Bahl, associate professor of biology, began planning for the acquisition of the plastinated cadaver in the fall of 2008.



The Science Initiative Newsletter is produced electronically three times a year as a joint effort of the College's Natural Science, Nursing and Mathematics (NSNM) Division and the Advancement Department at Aquinas College (www.aquinas.edu) in Grand Rapids, Michigan. It is distributed to NSNM faculty, advisory committee members, donors and supporters of the Science Initiative (SI). Send inquiries, e-mail address changes and comments to the editor, Chuck Frydrych '63, Director of S.I., (616) 632-2173, frydrcha@aquinas.edu.

To find out how you can help the SI by making a donation, contact Greg Meyer, associate vice president for advancement, (616) 632-2802, greg.meyer@aquinas.edu.

