



GOOD NEWS NOTES

SCHOOL OF HEALTH AND NATURAL SCIENCES

VOLUME I, ISSUE 2 DECEMBER 12, 2007

NATIONAL SCIENCE FOUNDATION DEPUTY DIVISION DIRECTOR VISITS MESSIAH

On Monday, November 5, 2007, the School of Health and Natural Sciences along with Jon Stuckey from the Development Office and the School of Mathematics, Engineering and Business hosted Karen Kashmanian Oates, Ph.D., Deputy Division Director, National Science Foundation for an informative series of presentations.

Prior to serving as Deputy Director of Undergraduate programs at NSF, Dr. Oates served as Director of Development at Harrisburg University. Her professional experience includes many years as a Biology professor at George Mason University. During this time Dr. Oates was recipient of numerous grants from NSF to support undergraduate research.



Karen Kashmanian
Oates

Messiah College faculty from both SOHNS and SMEB presented an overview of research projects recently or currently in process at Messiah College at a breakfast gathering in the McBeth Alumni Center. Messiah College presenters included Dr. Ray Norman, SMEB Dean, Dr. Angela Hare, Chair of Mathematics, Dr. David Vader, Director of the Collaboratory, Dr. Rick Schaeffer, Associate Professor of Chemistry and Dr. Larry Mylin, Associate Professor of Biology.

An informative overview of NSF undergraduate research grants by Dr. Oates was the focus of a noon luncheon in the Private Dining Room attended by both faculty and students who have been involved in research at Messiah College. In addition to providing helpful guidelines for successful grant writing, Dr. Oates noted the quality of the ongoing student-faculty research at Messiah College and encouraged faculty to consider submitting NSF grant applications in the coming years.

SENIOR RESEARCH SYMPOSIUM

The School of Health and Natural Sciences is hosting the seventh annual Fall Senior Research Symposium on Thursday, December 13 beginning at 4:30 p.m. in the Kline Hall of Science and Jordan Science Center. Seniors will present talks and/or posters summarizing the results of advanced research projects. The students will deliver formal oral platform presentations in Kline 120 or Kline 106 and will subsequently attend posters displayed in the lobby of the Jordan Science Center. Refreshments will be provided for participants and guests. Contact David Foster at dfoster@messiah.edu in the department of Biological Sciences for further information.

SPECIAL POINTS OF INTEREST:

- *NSF Deputy Division Director visits Messiah College*
- *Presentations by Faculty from MEB and SOHNS*
- *Faculty encouraged to submit NSF grant applications*

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JAN TRAPP TO BE INDUCTED INTO NATIONAL FIELD HOCKEY COACHES ASSOCIATION HALL OF FAME



Jan Trapp Field Hockey Hall of Fame Inductee

On January 5, 2008 Coach Trapp will be recognized for her accomplishments by being inducted into the NFHCA Hall of Fame with the Class of 2007. The ceremony will take place in Hartford, CT during the 2008 National Field Hockey Coaches Association Awards Luncheon in January. Coach Trapp (465-168-28) stands at the top of the list of all coaches in NCAA Division III Field Hockey in career wins with

465. She is third in career wins among all field hockey coaches at any NCAA level. She has led Messiah to 13 Conference Championships, 20 NCAA Tournament appearances and eleven Final Four berths. Along the way 28 All-Americans have been honored in her program. Messiah field hockey coach Jan Trapp has been strolling the Falcon sidelines for 35 years. Congratulations to Jan for the continuous success of

the Falcon Field Hockey program for the past 35 years.

THE OAKES MUSEUM DISPLAYS ORIGINAL MASTERWORKS OF NATURALIST NED SMITH

NED SMITH'S
"A LIFETIME IN
ART"
ON DISPLAY IN
THE OAKES
MUSEUM

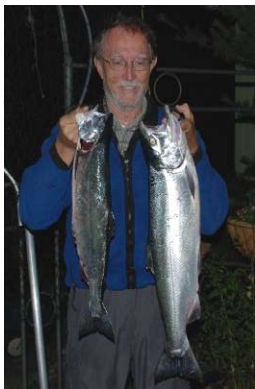
From December 7 to March 7, the Oakes Museum will display 30-35 pieces of the works of Ned Smith, self-trained artist and naturalist for whom the Ned Smith Center for Nature and Art in Millersburg is named. Titled "A Lifetime in Art," the pieces vary from paintings to watercolors, line drawings and pencil sketches. "A Lifetime in Art" emerges from

the many works Ned Smith created throughout his life, as well as from the nearly 120 cover paintings he created for "Pennsylvania Games News" while employed at the Pennsylvania Game Commission.

From more information about the Oakes Museum, visit www.messiah.edu/oakes.



PROFESSOR EMERITUS APPOINTMENT



Joe Sheldon

Joe Sheldon writes: "I have long dreamed that at the end of my teaching career that I would be able to carry the title of Emeritus to continue my support of Messiah. Lord willing, I will remain productive in my writing and other activities in a way that will bring additional positive recognition to Messiah. Donna and I were blessed by our 15

years in Grantham and wish to express our gratitude to each of you. We are greatly enjoying our church, working on our land, enjoying family, and harvesting the produce from our garden and the sea. We have been busy enjoying retirement, family, and Whidbey Island. Our freezer is full of local produce and we look forward to shar-

ing our harvest with visitors.

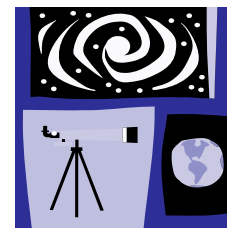
Joe and Donna hope to be in their new home within the next few weeks.

DEPARTMENT NEWS: BIOLOGICAL SCIENCES

After several years of careful study, the Biological Sciences faculty recently approved revisions to the first two years of the Biology curriculum (a.k.a. the Biology core). These revisions have in turn been approved by the appropriate faculty and administrative channels and will be effective with students entering the program in 2008. An outgrowth of the Educational Program Review completed in September, 2006, the new

curriculum begins with the small and moves to the large components of biology. It involves five courses, all of which approach content in a developmental fashion and will have labs. Review and some changes of upper level Biology and Environmental Science courses are now under consideration. Implementation of program assessment strategies outlined in the EPR and growing enrollment in the new Biochemistry

and Molecular Biology (Biology Concentration) major will command the faculty's attention in the coming months.



DEPARTMENT NEWS: CHEMISTRY & BIOCHEMISTRY

Completion of the Education Program Review is an ongoing effort of the Department this year. The faculty have devoted many hours to reviewing the curriculum and establishing assessment strategies over the past two years. Their efforts have been enhanced by the fact that new faculty member Anne Reeve was part of a similar review process last year at Lynchburg

College. Dr. Ken Rohly, Chemistry chair at Bethel University (MN) will be on campus as an external evaluator in February 2008. His insights will be of particular benefit in Messiah's ongoing quest for American Chemical Society (ACS) accreditation in that Bethel recently achieved this recognition from ACS. Availability of the new Biochemistry and Molecular Biol-

ogy (Chemistry concentration) major is expected to result in growing student numbers in the department. This Interdepartmental major draws on the faculty expertise in both Biological Sciences and Chemistry & Biochemistry departments and prepares students for employment, graduate study and research in the Biotechnology field.

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DEPARTMENT NEWS: HEALTH & HUMAN PERFORMANCE

Enrollment in majors offered by the HHP Department continues to grow in affirmation of recent changes in the curriculum and majors offered by the department. The Athletic Training program underwent its scheduled review during Spring 2007 and was granted continued accreditation by the Commission on Accreditation of Athletic Training

Education accrediting agency.

Congratulations to: **Dr. Scott Kieffer**, Associate Professor of Exercise Physiology, who was elected to the Executive Committee of the Mid-Atlantic American College of Sports Medicine to serve as member at large running the Research/Awards

Committee for a two year term.

Dr. Kieffer has also been named Chair-elect to the Exercise Physiology Academy Committee with the National Association for Sport and Physical Education for a three year term.



Scott Kieffer

DEPARTMENT NEWS: NURSING

The Nursing major continues to enjoy record enrollments with students who have transferred or changed majors waiting for admission to the program. The good news is that a high percentage of the 2007 Nursing graduates have passed the NCLEX exam despite recent changes that have significantly increased the rigor of the exam. In view of this change, the GPA for admission to and continuation in the Nursing program has been

raised. Implementation of a newly revised Nursing curriculum will begin with current sophomore students in the Spring 2008 semester.



DEPARTMENT NEWS: NUTRITION AND DIETETICS

Students now have the option of completing a new Nutrition Science major. Intended for students who wish to pursue graduate or professional studies after college, the major allows students to take advanced courses in Biochemistry and Molecular Biology rather than courses needed to prepare for certification as Registered Dietitians. While permission to grant a Bache-

lor of Science degree in Nutrition Science may be sought in the future, this major currently leads to a Bachelor of Arts degree.

NEW
NUTRITION
SCIENCE
MAJOR

SCHOOL OF HEALTH & NATURAL SCIENCES: ACTIVITIES

The Biological Sciences Department sponsored a seminar given by Biology alum ('77) **Vernon Asper, Ph.D.** in early October. An accomplished Oceanographer whose studies focus on oceans in the Antarctic region, Dr. Asper's talk focused on "The Role of The Southern Ocean in the Global Carbon Budget".

On November 6, the Chemistry and Biochemistry Department sponsored a seminar given by **Dr. Anthony Zook**, Sr. Project Manager, Merck and Co., on Analysis of Suspected Counterfeit Pharmaceutical Products.

Biochemistry alum ('97), **Kelly Seaton**, presented a seminar entitled "Interactions Between Host Cell Proteins and HIV – Potential New Drug Targets in the Fight Against HIV"



Vernon Asper, Ph.D.

SCHOOL OF HEALTH & NATURAL SCIENCES: ACTIVITIES

Dr. Erik Lindquist and **Dr. David Foster** contributed to the Creation Care Studies Program (CCSP) in Belize and New Zealand respectively for several weeks each during the fall 2007 semester. These professors cover courses for one another here at Grantham while the other is away. Students from CCCU colleges, including several Messiah students, study in this semester-long off-campus course.

Dr. Larry Mylin, Associate Professor of Biology, recently published a paper co-authored by five Messiah students (now alums) in the highly regarded journal, *Virology*. "Diversity of escape variant mutations in Simian virus 40 large tumor antigen (SV40 Tag) epitopes selected by cytotoxic T lymphocyte (CTL) clones".



Dr. Larry Mylin

LOOKING AHEAD:

The culminating event for the 2007-2008 SOHNS senior student research endeavors will be showcased on Friday afternoon, April 18, 2008. The venue for the **5th Annual SOHNS Scholarship Symposium** will again be the Kline/Jordan Science Center. All five SOHNS Departments participate in this annual event. **Dr. Erik Lindquist** will be leading a

group of students to study the forest canopy in Panama during January 2008. This travel course is supported in part by a grant from the Christian Scholars Foundation with additional student support through the Oakes Museum Scholarship. During the same time frame and opting this year for the east coast instead of the American Southwest, **Dr. David Foster** will lead a

travel course to South Florida, focusing largely on the Florida Keys, the Everglades and other sites of biological interest in South Florida. This trip will likely also include a visit to ECHO in South Florida. Several recent Biology grads are currently involved in ECHO internships related to agricultural development in several international settings.



STUDYING TREES
AND EPIPHYTE
GROWTH IN
PANAMA

REMINDER:

Please keep directing Good News items to the Dean's office. There are many great things happening in the School. While we could never mention them all in these little updates, let's keep communicating and celebrating!

Have a wonderful Christmas!

