UNIVERSITY OF DAYTON
COLLEGE OF ARTS AND SCIENCES
SCHOLARSHIP 2011
PREFACE: SCHOLARSHIP 2011

College of Arts and Sciences

The intellectual power and creative vitality of the College of Arts and Sciences reside in our faculty. While students lie at the center of the College's attention, the work of the College's faculty makes possible the distinctive education in the liberal arts and sciences that our graduates attain. All of the College's achievements and aspirations spring in some way from faculty members' creativity, talent, and dedication in scholarship, teaching, and professional service.

In calendar year 2011 faculty members in the College received over 41 University grant awards and 106 national grant and fellowship awards. College faculty also authored or created 22 books, 38 book chapters, 214 journal articles and reviews, 100 performances, and 88 exhibits in the past year. This publication honors these scholarly and artistic achievements.

The College held its annual recognition of outstanding faculty accomplishment on April 20, 2012. Faculty members honored as recipients of the College's faculty awards were: Dr. Daniel Fouke (philosophy) for outstanding teaching, Dr. Ruihua Liu (mathematics) for outstanding scholarship, and Drs. Theo and Linda Majka (sociology, anthropology, and social work) for outstanding service. Prof. Les Steinlage (mathematics) and Prof. Anthony Talbott (political science) each received awards for outstanding contribution by a full-time, non-tenure-line faculty member. Brief articles are included in this publication about the exemplary commitments of these faculty colleagues to their students, their scholarly fields, and the University.

The College also recognizes the accomplishment and dedication of its faculty retirees, Dr. Fred Inscho (political science), Dr. Larry Lain (communication), Dr. Louis Marre (English), Dr. Pat Palermo (history), and Prof. Gerald Shaughnessy (mathematics). Collectively, these colleagues have contributed 205 years of valuable service to the College.

Finally, this publication recognizes the installation of one endowed faculty chair: Dr. Richard Chenoweth (music) is the fourth holder of the Graul Chair in Arts and Languages. It is a privilege to work with a teacher and scholar of Dr. Chenoweth's distinction.

I offer this publication with gratitude for the outstanding work and vibrant collegial culture of the faculty of the College of Arts and Sciences at the University of Dayton.

Paul H. Benson
Dean
College of Arts and Sciences
University of Dayton
August 2012

Cover: Fred Niles
Ruin, Turkey
BIOLOGY

ABSTRACTS


BOOK CHAPTERS


SOMATIC STEM CELLS: METHODS AND PROTOCOLS

Benbow, M. E. (Co-Principal), McIntosh, M. D. (Principal). “A temporal assessment of invertebrate structure and function within vernal pools of Southwestern Ohio.” Sponsored by Hamilton County Park District, $1,100. (May 2011–December 2011).


Benbow, M. E. (Co-Principal), McIntosh, M. D. (Principal). “A temporal assessment of invertebrate structure and function within vernal pools of Southwestern Ohio.” Sponsored by Hamilton County Park District, $1,100. (May 2011–December 2011).

The main role of the Graul Endowed Chair is to promote interdisciplinary approaches to the arts and languages with a particular focus on international perspectives. As newly appointed Graul Chair, Dr. Richard Chenoweth, Professor of French Horn, has set his primary goal as increasing awareness of the arts and languages in the campus community and greater Dayton community.

Chenoweth explains, “I want to be a reminder of the importance of arts and languages in our lives.”

In order to accomplish his goal, Chenoweth is taking inspiration from one of his favorite quotes, “If you do everything the same way every day, you shouldn’t be surprised when nothing changes.” Chenoweth believes that sometimes in the academic environment, people get too focused on what they study and do not think of other ways to advance their thinking. Thus, he wants to create new and nontraditional ways to expose people to the languages and arts. For example, Chenoweth would like to have faculty recitals during the daytime, so students and faculty may be more willing to go than if the recitals were on weekends. However, this would not be a typical recital. For instance, one week a French vocalist would perform, and then someone would interpret the song and explain what it means. “If people understand what they are listening to, this will help to enhance the art,” Chenoweth explains of his proposed recitals.

Chenoweth also plans on continuing the Celebration of the Arts gala in the spring, but would like an equivalent in the fall. Another event Chenoweth wants to implement is having symposia each semester that appeal to people from other disciplines. For example, a symposium on environmental art could connect people from the sciences to the arts.

While Chenoweth aims to bring more awareness to the arts and languages, he also intends to do so with a broad international perspective. Chenoweth has travelled to every continent except Australia and enjoys experiencing new cultures. He wants students to move beyond educational tourism and actually learn about the different cultures. However, Chenoweth does not think people need to travel to another country in order to experience different cultures. He wants students and faculty members to become aware of the international components of our own culture. Chenoweth provides the example of Santa Fe, New Mexico, which is a cultural center composed of Hispanic, Native American and Anglo traditions.

The mixing of different cultures in Santa Fe results, according to Chenoweth, in “a vibrant society, with an innate and unquestioning support of the arts and cultural expression through language and arts.”

Chenoweth is excited to show students how the different cultures from around the world can be found in our country.

He explains, “We can take students to places in our country that would feel like a foreign country.”

Chenoweth is excited about his new position as Graul Chair and is looking forward to using his experiences as a teacher and performer to help others fully appreciate the arts and languages.

–Lindsey J. DiTirro


JOURNAL ARTICLES


**OTHER**


**PAPERS**


McEwan, R. “Topographic and biotic regulation of aboveground carbon storage in subtropical broadleaved forests of central Taiwan.” *Botanical Society of America, St. Louis, MO*. (July 10, 2011).


Hsieh, T., Puri, O. “Defective proventriculus (dve), a new member of DV patterning in the eye.” Ohio Miami Valley Neuroscience Symposium, Society of Neuroscience Ohio Miami Valley Chapter, Wright State University, Dayton, OH. (May 20, 2011).

Singh, A., Puli, O. “Defective proventriculus (dve), a new member of DV patterning in the eye.” Ohio Miami Valley Neuroscience Symposium, Society of Neuroscience Ohio Miami Valley Chapter, Wright State University, Dayton, OH. (May 20, 2011).


McEwan, R., Brand, O. “Selectivity Enhancement of Silver and Titanium Dioxide Nanoparticles.” Institute of Electrical and Electronics Engineers (IEEE), Cancun, Mexico. (January 27, 2011).


PRESENTATIONS


Benbow, M. E. “A mysterious infectious disease system and a complex systems approach to understanding transmission in Mycobacterium ulcerans infection.” Annual Meeting of the Malaysia Association of Forensic Entomology, Kuala Lumpur, Malaysia. (July 6, 2011).

“I always liked mathematics. Mathematics started becoming my favorite subject when I was in middle school,” states Dr. Ruihua Liu, associate professor in the Department of Mathematics.

Liu believes that his mother most likely was the reason he liked mathematics at an early age. His mother taught mathematics at the middle school and elementary school level for over 30 years. Liu is still curious and interested in the field of mathematics. He enjoys reading articles, thinking about new research projects and working on problems.

Liu explains, “It makes me very happy each time I complete a project.”

This interest and passion serve as his motivation to dedicate so much time and effort to his scholarship. Liu has authored and co-authored 40 published papers, including 26 peer-refereed journal articles, 4 book chapters, 9 papers in refereed conference proceedings and 1 book review. Many of these publications have appeared in some of the most prestigious journals in the field.

Liu’s scholarship focuses on operations management, stochastic control and optimization and computational finance. His research interests directly support his role as a faculty member in the Professional Science Masters Program in Financial Mathematics at the University of Dayton. Financial mathematics is an area that is closely related to real-world applications. This real-world application has brought interest to the program, which has helped the program to grow rapidly in recent years. Liu incorporates his research into his classes by introducing new topics and ideas to students and by working on scholarly projects with his students.

In addition to incorporating his research into his teaching, Liu is also working with several collaborators on developing fast and accurate algorithms for pricing complex financial derivatives.

“We have obtained several very good methods,” Liu stated. “This is very exciting!”

Liu states that he has many research projects that will keep him busy for the next few years. However, he is hoping to start applying his research to help solve problems in engineering fields. He wants to start collaborating with faculty from the School of Engineering to help with this new project.

—Lindsey J. DiTirro


Hansen, K. M. “Bioinsensing in Complex Environments: Towards Multimodal Sensing.” University of Dayton Graduate Materials Seminar, Department of Chemical and Materials Engineering, Dayton, OH. (February 24, 2011).

Kango-Singh, M. “Hippo signaling controls Drosophila apical-basal polarity to control cell survival and tumor growth.” Departmental Seminar Series (Thursday), Wright State University, Biochemistry and Molecular Biology, Dayton OH. (October 21, 2011).


Tomberlin, J., Benbow, M. E., Tarone, A., Crippen, T., Wood, T., LeBlanc, H. “Microbial puppet masters of blow fly behavior.” State Key Laboratory of Agricultural Microbiology, Wuhan, China. (June 24, 2011).

Tsonis, P. A. “Reprogramming, transdifferentiation and lens regeneration in Newts.” International Symposium on Stem Cells and Regenerative Medicine, Mexican Stem Cell Society, Mexico City. (November 11, 2011).

Tsonis, P. A. “Reprogramming, Transdifferentiation and lens Regeneration in Newts.” University of Kentucky. (October 6, 2011).


Williams, T. M. “Beyond the birds and the bees: Molecular insights about the making and evolution of fruit fly sexually dimorphic traits.” University of Cincinnati, Department of Biological Sciences, Cincinnati, OH. (January 24, 2011).

SPONSORED RESEARCH………..

Benbow, M. E. (Supporting), Small, P. L. (Co-Principal), Johnson, P. (Co-Principal), Pluschke, G. (Principal), Portela, F. (Co-Principal), Stinear, T. (Co-Principal), Yeboah-Manu, D. (Co-Principal), Um Boock, A. (Co-Principal). “Investigations into the Transmission of Buruli Ulcer.” Sponsored by UBS Optimus Foundation to University of Tennessee, $60,000. (October 1, 2008–June 30, 2011).

CHEMISTRY


GRANTS


JOURNAL ARTICLES


OTHER


POSTERS


Feng, C., Lopper, M. E. “Physical interactions between PriA and PriB drive DNA replication restart in Neisseria gonorrhoeae.” American Chemical Society, University of Dayton, Dayton, OH. (March 1, 2011).


Johnson, D. W., Hils, J. E., Benin, V. A. “Metal Carbide Reactions with Phosphate Esters: Computational Investigations and Surface Characterization.” Dayton Section Poster Session, Dayton Section, American Chemical Society, Dayton, OH. (March 1, 2011).


Manhart, M. W., Keil, R. G. “Conductivity of Amphiphile Solutions at Less Than Critical Micelle Concentrations.” ACS Dayton Section, Dayton Section of the American Chemical Society, Dayton, OH. (March 1, 2011).


Morrow, G. W., Fowler, K. J., Ellis, J. L. “Coumestan Synthesis Employing an Unusual 6-endo Heck Cyclization.” 29th American Chemical Society Dayton Local Section Poster Session, American Chemical Society Dayton Local Section, Dayton, Ohio. (March 1, 2011).


Sack, T. C., Zhao, Y., Johnson, D. W., Masthay, M. B. “Spectroscopic, gravimetric, and EDAX characterization of the photoproducts of beta-carotene generated in CCH4 solvent.” 42nd Meeting of the ACS Central Region, American Chemical Society, Indianapolis, IN. (June 9, 2011).


Zhao, Y., Johnson, D. W., Masthay, M. B. “Kinetics and identification of reaction products of the photochemical degradation of beta-carotene in carbon tetrachloride and hexane.” 2011 Annual Poster Session, Dayton Section, American Chemical Society, Dayton Section of the American Chemical Society and Society for Applied Spectroscopy, Ohio Valley Section, University of Dayton, Dayton, OH. (March 1, 2011).

Zhao, Y., Johnson, D. W., Masthay, M. B. “Kinetics and identification of reaction products of the photochemical degradation of beta-carotene in carbon tetrachloride and hexane.” Annual Poster Session, Dayton Section, American Chemical Society, Dayton Section of the American Chemical Society and Society for Applied Spectroscopy, Ohio Valley Section, University of Dayton, Dayton, OH. (March 1, 2011).
PRESENTATIONS ..................................


Swavey, S. M. “Photosensitizers for Photodynamic Therapy.” Otterbein College, Ohio. (October 25, 2011).


CONTRACTS .................................

GRANTS .................................

OTHER .................................


PAPERS .................................


BOOKS .................................

BOOK CHAPTERS ..........................

BOOK REVIEWS ..........................
Dr. Dan Fouke, professor of Philosophy, always loved teaching, but realized that he needed to change his approach. After attending two SENCER Summer Institutes, Fouke’s conception of teaching changed. He knew he needed to teach students in a more constructive way, instead of just pouring knowledge into the students. Now, Fouke puts the students in charge of their own learning. He has even moved away from tests and started requiring his students to complete research projects.

“I see how they can do so much when I let them guide themselves,” Fouke states about his new teaching style. “I have seen my students complete really amazing projects that have been implemented on campus and in the community.”

Fouke’s passion for a new way of teaching motivated him to become part of the committee that created the Sustainability, Energy and the Environment (SEE) curriculum. Fouke used what he learned at the SENCER Institutes to help develop the SEE minor and SEE Learning Living Community (LLC). His initiatives have stimulated him to develop Crossing Boundaries courses for the new Common Academic Program.

While his new style of teaching has excited him, Fouke has always been an environmentalist and that is what truly motivates his research, teaching and service.

“My teaching is connected with moral concerns, and my moral concerns are what motivate me the most,” Fouke explains.

Fouke teaches Environmental Ethics and Sustainability Research courses. Through these classes, he motivates his students and they motivate him, because he can see them improve, gain skills and do interesting and surprising things. Fouke’s classes are also a part of the SEE LLC. He enjoys being able to see the first-year students start in the program and then continue to grow and develop throughout their years at the University.

Fouke wants to further develop the SEE program. He wants more students to be involved with SEE, which will hopefully become an academic major. Fouke also would like to create more relationships among environmental initiatives on campus and in the community. This would provide opportunities for his students to implement their projects. Not only would his students benefit from the projects, but they would help also to promote sustainability and change in UD’s community and the city of Dayton.

—Lindsey J. DiTirro
PRESENTATIONS

SPONSORED RESEARCH
Robinson, J. D. (Co-Principal). “Neurological exams and telemedicine.” Sponsored by Specialists on Call.

WORKSHOPS

COMPUTER SCIENCE
JOURNAL ARTICLES


GRANTS

Perugini, S. (Principal), Wright, D. J. (Co-Principal), Quill, L. L. (Co-Principal), Bowers, D. M. (Co-Principal), Cresencia, J. V. (Supporting), Mize, M. (Supporting), “Virtual Learning and Teaching Community.” Sponsored by Ohio Board of Regents and University of Dayton Research Institute, $20,000. (April 20, 2009–April 29, 2011).


OTHER

PAPERS PUBLISHED IN CONFERENCE PROCEEDINGS


PRESENTATIONS


TECHNICAL REPORTS
Perugini, S. Staging mixed-initiative dialogs by program generation and transformation (pp. 25). Los Alamos, NM: Computing Research Repository (CoRR) at Los Alamos National Laboratory.

WORKSHOPS

BOOKS
BOOK CHAPTERS ....................


BOOK REVIEWS ......................


GRANTS .............................


JOURNAL ARTICLES ......................


Slade, R. A. Fight Club and the Ethics of Masculinity. Quarterly Review of Film and Video, 28(3).


DeAloia, L. “N/A.” Conference on Christianity and Literature, University of Dayton, Department of English, University of Dayton; Dayton, OH. (August 22, 2011).


Haan, J. “From Graduate Student to the Tenure Track; Negotiating Roles in and out of the Academy.” Lilly Graduate Fellows Program Conference, Lilly Graduate Fellows Program, University of Dayton. (May 23, 2011).


PAPERS .............................

Cron, A. W. “Self as Contested Space: Writing, Culture, and Identity in a Multilingual FYC Course.” All Our Relations: Contested Space, Contested Knowledge, Conference on College Composition and Communication, Atlanta, GA. (April 9, 2011).


Farrelly, J. P. “The Death of Cuchulain: Yeats’s Heroic Farewell to His Tragic Mask.” American Conference for Irish Studies Annual Meeting, ACIS, Madison, WI. (March 31, 2011).


Keane-Sexton, M. B. “‘Using Literature to Teach Peace between Christianity and Islam.’ Mideast Regional Meeting, Conference on Christianity and Literature, University of Dayton. (October 29, 2011).


PRESENTATIONS


Haan, J. “Situating ESL/ESL in the Context of Internationalization.” Purdue University Graduate Student Symposium on Second Language Studies and English as a Second Language, Purdue University, West Lafayette, IN. (April 2, 2011).


SPONSORED RESEARCH


PERFORMANCES


FITZ CENTER

GRANTS

Adams, S. M. (Co-Principal), Weaver, H. R. (Co-Principal), Ferguson, S. M. (Co-Principal), Currell, C. C. (Co-Principal). “Final cooling and seepage from local basins to global earth system — Tracing Phanerozoic hydrocarbon seep deposits.” Keynote of Special Symposium of the International Association of Sedimentologists: 28th Annual Meeting of the International Association of Sedimentologists.


Sandy, M. R. (Co-Principal). “Prograde and retrograde as indicators of ancient hydrocarbon seeps: assessing their geological, paleoecological, evolutionary and biostratigraphic significance.” Sponsored by American Chemical Society — Petroleum Research Fund, $65,000. (June 2011–August 2014).

Sandy, M. R. (Co-Principal). “Climate literacy through Challenger Learning Centers: Using the national network of Challenger Learning Centers for large-scale teacher professional development in climate literacy, with a special focus on integrating NASA data into classroom activities. Award to Dayton Public Schools.” Sponsored by National Aeronautics and Space Administration Global Climate Change Education Grant: Research Experiences, Teaching and Learning, $564,000. (December 2009–June 2013).

Sandy, M. R. (Co-Principal). “Using the national network of Challenger Learning Centers for large-scale teacher professional development in climate literacy, with a special focus on integrating NASA data into classroom activities. Award to Dayton Public Schools.” Sponsored by National Aeronautics and Space Administration Global Climate Change Education Grant: Research Experiences, Teaching and Learning, $564,000. (December 2009–June 2013).

JOURNAL ARTICLES


GEOLOGY

ABSTRACTS


BOOKS


BOOK CHAPTERS


**OTHER**


**PAPERS**

Haritashya, U. “Glacier retreating or glacier advancing? An environmental consequence from Himalayan perspective..” AmericaView Fall Technical Meeting, Cleveland, USA. (October 10, 2011).


**PAPERS PUBLISHED IN CONFERENCE PROCEEDINGS**


**POSTERS**


**BOOKS**


**BOOK CHAPTERS**


**BOOK REVIEWS**


For the past 51 years, Les Steinlage has been at the University of Dayton. Steinlage started his career at UD as an undergraduate student in 1961. He graduated with a BS in mathematics in 1965 and with an MS in mathematics in 1969. From 1969 to 2000, Steinlage taught part-time for the University of Dayton. During this period, he was also teaching full-time as a mathematics teacher at local high schools. In 2000, Steinlage became a full-time lecturer for the Department of Mathematics.

“I like the atmosphere and how beautiful the campus is. I like the people I work with. And I get a lot of energy from the students,” Steinlage explains. “I like the experience of working with good people and having students that usually have a friendly disposition.”

Finding students with a friendly disposition on UD’s campus is sometimes easy. However, it can become difficult when students are stuck in a class they do not want to take. One of those classes is MTH 128/129, the class Steinlage not only teaches but also helps to enhance each year. MTH 128/129 is a mathematics course for students in the School of Business. Most of the students do not want to take this class. Steinlage works hard each year to develop content and select textbooks that will get the students more involved with the class. He tries to incorporate problems his students would see in work-related situations. He then shows them how to solve these problems with the mathematics they learn in class.

“This technique makes it more relevant to the students. Then they have more interest in it and will understand it better,” Steinlage explains.

Steinlage enjoys working with the students and helping them to understand the concepts and ideas in his classes. He likes when he is able to figure out a presentation that gets the light to go on in his students. Steinlage also enjoys interacting with the other instructors who teach MTH 128/129. Since Steinlage has taught the course for many years, he has become the expert for this course. When new instructors are hired, Steinlage becomes their mentor and helps prepare them to teach the course.

Steinlage claims, “The interactions are big part of why I like teaching. It keeps me young at heart.”

Steinlage enjoys teaching and does not see it as a job, but as having fun. However, when Steinlage is not teaching, he enjoys spending time in his woodshop. Yet, he still incorporates math into his hobby. He likes to create puzzles in his woodshop. Not only does he find fun in making the puzzles but also in explaining to other people how the puzzles work.

“I always liked to figure things out and how to explain it to others,” Steinlage says. His own passion for learning and sharing that knowledge is what has kept him teaching for all these years.

—Lindsey J. DiTirro


GRANTS


JOURNAL ARTICLES


PAPERS


Before Anthony Talbott, lecturer in the Department of Political Science, began teaching at the University of Dayton, he served in the Army National Guard and the Navy for 13 years. While he was in the military, Talbott earned his BA in history and government. He decided to leave the Navy to continue his education. After working on his Ph.D. at Arizona State University and completing a Fulbright fellowship in the Philippines, Talbott returned home to Ohio. He worked in Ohio as a part-time faculty member at many colleges. Talbott wanted to teach full-time at a college, and the University of Dayton offered him that opportunity in 2008.

The University of Dayton was the perfect environment for him to develop his awareness of human trafficking. Talbott got involved with the issue of human trafficking while he was abroad in the military. He remembers the first time he encountered human trafficking when he was stationed in the Philippines.

“There was a main strip outside of the base, full of bars and prostitutes. This was normal. There was one bar called ‘Sweet 16.’ The oldest girls working at the bar were only 16,” Talbott recalls from his time in the Philippines. “I knew it was wrong.”

Once Talbott began working at UD, he wanted to bring attention to the issue of human trafficking. He started getting organizations together and getting students involved with the cause. On campus, Talbott serves as the faculty advisor for the New Abolitionist Movement, a student organization that raises awareness for and tries to stop human trafficking. Talbott also teaches a course on human trafficking, which is one of the country’s first undergraduate courses on this topic. In the community, Talbott serves in a leadership position in the organization Abolition Ohio. This nonprofit works to end human trafficking in the Dayton area. With the efforts from these organizations, Talbott, his students and colleagues helped to get the first law prohibiting human trafficking passed in the state of Ohio.

Talbott is passionate about the topics he teaches, and that passion carries over into the classroom. He tries to instill that passion into his students. He wants to show them they should not just be passive observers, but they should try to make the change they want to see in the world. Talbott especially likes teaching first-year students as they do not yet have a full awareness of the world.

“I like to see how they learn about the unfairness and lack of justice in the world. Then, I can help them to see what they can do,” Talbott explains. “I am truly blessed to have a job like this.”

Talbott wants to continue to bring awareness to human trafficking and developing Abolition Ohio. He also wants to be able to connect his research, service and teaching more than he currently is. Lastly, he wants there to be an end to human trafficking.

“We have a chance to end modern-day slavery, if we act now,” Talbott claims.

—Lindsey J. DiTirro


Reid, P. A. “John Buchanan’s Maryland: Prelude to Dread Scott.” Association for the Study of African American Life and History, ASALH, Richmond, VA. (October 5, 2011).


Carter, M. “Mythbusters: That the Pilgrims Founded America.” Public Lecture, Phi Alpha Theta History Honor Society, University of Dayton. (February 16, 2011).


Flockerzie, L. J. “A Tale of Two Air Shows: Dayton in 1939.” University of Dayton Annual Humanities Symposium, University of Dayton Annual Humanities Symposium, Sears Recital Hall, University of Dayton. (October 11, 2011).


Reid, P. A. “Nineteenth Century African Americans and Legal Place, Post Civil War.” Ohio Academy of History Conference, Denison University, Denison University. (April 8, 2011).


WORKSHOPS


BOOK REVIEWS


GRANTS


JOURNAL ARTICLES


OTHER


PAPERS


Costales, K. A. “Recasting the Baroque Comedia or the Problem of Ambiguity.” The Neo-Baroque Revisited, University of Kentucky, Lexington, Kentucky. (April 14, 2011).


Espinoza, I. J. “Connecting Students’ Assignments to Authentic Communication through Technology.” Ohio Foreign Language Association, OFLA, Columbus. (April 7, 2011).


VILLA, L. “Los antecedentes de Á la nación española (1852) y las ideas ortográficas de Mariano Cubí y Soler.” VIII International Congress of the Sociedad Española de Historiografía Lingüística, Sociedad Española de Historiografía Lingüística, Universidad Rey Juan Carlos (Madrid, Spain). (December 12, 2011).

VILLA, L. “The Impact of National Politics on the Officialization of Spanish in Mid-Nineteenth Century Spain.” Forging Linguistic Identities: Language in the Region, the Nation, and the World, Towson University, Towson, Maryland. (March 18, 2011).


PROFESSIONAL CONTRIBUTIONS


SPONSORED RESEARCH

MATHMATICS

BOOK CHAPTERS


BOOK REVIEWS


CONTRACTS


GRANTS


DIESTELKAMP, W. S. (Principal), Prather, J. (Principal), Swanson, C. (Principal). “Expanding the participation of two-year college faculty in Ohio NEXT.” Sponsored by Mathematical Association of America, $5,000. (August 2010–April 2013).


KRACKOWSKI, R. J. (Co-Principal). “Mathematics, Life and Physical Science Professional Development Program for 4-12 Grade Teachers.” Sponsored by Ohio Board of Regents-Improving Teacher Quality Grant, $185,378. (April 1, 2010–May 31, 2011).


PAPERS PUBLISHED IN CONFERENCE PROCEEDINGS


OTHER

Blust, R. P., Diestelkamp, W. S., Donnelly, P. G., Hughes, S. M., Hassell, L. R., E. S. "Making UD's Faculty Maternity Leave Policy Work for Everyone." Faculty Exchange Series on Faculty Maternity Leave, University of Dayton Faculty Development Committee, LTC. (October 19, 2011).


PAPERS


Busch, A. H., Dragan, F., Krishnamurthy, C., Sritharan, R. “Induced/distance-k matchings and min-max relations.” Fifth Workshop on Graph classes, Optimization, and Width Parameters, KAIST, South Korea, Daejeon, South Korea. (October 29, 2011).

Busch, A. H., Dragan, F., Krishnamurthy, C. “Largest induced matching: computation and min-max relations.” Canadian Discrete and Algorithmic Mathematics Conference, University of Victoria, Canada, Victoria, Canada. (June 3, 2011).


Raffoul, Y. N. “Necessary and sufficient conditions for uniform stability in volterra systems of integro-dynamic equations on time scale.” 2011 Fall Central Section Meeting, American Mathematical Society, American Mathematical Society, University of Nebraska-Lincoln, Lincoln, NE. (October 16, 2011).


PAPERS PUBLISHED IN CONFERENCE PROCEEDINGS


POSTERS


PRESENTATIONS (INVITED LECTURES OR ADDRESSES)


Higgins, A. W. “Demonic Graphs and Undergraduate Research.” Annual meeting of the Metropolitan New York Section of the Mathematical Association of America, Metropolitan New York Section of the Mathematical Association of America, Stony Brook, NY. (May 1, 2011).

Higgins, A. W. “Is pebbling useful, or is it just for fun?” Pi Mu Epsilon Ohio Zeta Chapter Initiation, Pi Mu Epsilon Ohio Zeta Chapter, Dayton, OH. (April 27, 2011).


MUSIC

BOOKS


BOOK CHAPTERS


JOURNAL ARTICLES


NEWSPAPERS


MUSIC ARRANGEMENTS


MUSIC COMPOSITIONS


OUTSTANDING SERVICE: DRS. THEO AND LINDA MAJKA

While in graduate school, Drs. Theo and Linda Majka, professors of sociology, met for the first time and soon discovered they shared the same passion for social justice and human rights issues. Moreover, they both developed this passion well before graduate school. Theo states that his orientation has always been toward social justice and human rights. He remembers growing up in southern Virginia during the time of segregation. He knew that this was wrong and was part of a small group that wanted racial integration.

“This experience gave me a perspective grounded in social justice,” Theo explains. “There are certain human rights that need to be adhered to.”

Linda recalls during her high school years that many things were going on in society that did not make sense to her. Many people were being persecuted, and she did not understand why this was happening. It was during this time that civil rights issues became an important topic to her. She wanted to try to find a way to make things better.

Now, Linda and Theo work together to try to help society. They use their roles at the University of Dayton and in the city of Dayton to encourage their students, colleagues and community members to be aware of the injustices in society and try to foster change.

“We need to combine our forces. We cannot do this alone,” Linda says about Theo’s and her efforts to eliminate injustices in the community.

The Majkas both teach in the Core Program where they implemented a project to learn more about Dayton neighborhoods. Students in the Majkas’ classes go door-to-door in Dayton neighborhoods to learn what the residents like and dislike about their community. After evaluating the data, the results are used to improve the neighborhoods. Several small businesses have been created as an outcome of these surveys.

The Majkas also are involved with immigration issues in the Dayton area. They have held leadership roles in the efforts to assimilate immigrants into the community. The Majkas researched the obstacles and barriers that immigrants face once they arrive in Dayton. They presented this information at different conferences in Dayton, which was then used to create programs that would help the immigrants. The Majkas also used their results to hold conferences on UD’s campus to spread awareness about local immigration.

The Majkas try to incorporate their students in their projects as much as possible. They try to explain the rationale behind the projects and how they fit with what the students are learning in class. Many of their students launch their own projects based on the Majkas’ research.

“We explain why we need the students to help,” Theo explains about the service-learning projects. “We let the students know that they do make a difference in people’s lives.”

The Majkas are ever busy in their efforts to create change and do not plan on slowing down. They want to work more with immigrants and learn about refugees in the community. They want to continue their research and find ways to implement new programs and hold conferences to educate more people. Their hope is to make Dayton an immigrant-friendly city.

–Lindsey J. DiTirro
Scholarship 2011


Street, P. E., Pressler, M. “Menahem Pressler In Conversation.” Menahem Pressler Interview, UD Arts Series, University of Dayton. (September 20, 2011).

PAPERS


POSTERS


PERFORMANCES


Chenoweth, R. K. “Brass Quintet performance.” The Carillon Brass, Good Samaritan Hospital, Centerville, OH. (June 2011).


Chenoweth, R. K. “Libby Larsen Concert.” University of Dayton Faculty Brass Quintet, Department of Music, Dayton, OH. (February 2011).


Daniel-Cox, M. D. (Vocal Soloist). “Faculty Recital.” Faculty, Friends Music Institute, Barnesville, OH. (July 13, 2011).


Leslie, J. (Director). “Fall JazzFest.” The Classic Jazz Stompers, Central Ohio Hot Jazz Society, Columbus, OH. (November 13, 2011).


Morris, W. L. (Director). “Saxophone Quartet Concert.” First Flight Saxophone Quartet, Dayton Art Institute, Dayton, OH.


Morris, W. L. (Director). “Faculty Jazztet Concert Tour.” University of Dayton Faculty Jazztet, University of Dayton Department of Music, Cincinnati, OH. (November 21, 2011–November 22, 2011).


Morris, W. L. (Director). “UD Saxophone Quartet Tour.” First Flight Saxophone Quartet, University Saxophone Quartet, University of Dayton Department of Music, Columbus, OH. and Fairfax, VA. (January 4, 2011–January 9, 2011).


Reynolds, P. A. “Concert and Masterclass.” University of Dayton Faculty Brass Quintet, Valley View High School, Germantown, OH. (March 8, 2011).


Street, P. E. “Reception Music, Ragtime Theme.” Mariott Hotel, Dayton, OH. (September 26, 2011).


PRESENTATIONS (INVITED LECTURES OR ADDRESSES)

Cox, D. M. “Change Your Lens.” Shroyer Road Baptist Church, Oakwood, Ohio. (November 20, 2011).


Dorf, S. “Maurice Emmanuel and Atossa’s Dream: Yoking Music and Dance, Antiquity and Modernity in the Opera Salamis (1929).” Dialogues en mouvement/Moving Dialogues: Music and Dance, Observatoire interdisciplinaire de creation et de recherche en musique (McGill University, University of Montreal, Sherbrook University and Concordia University). Montreal, QC. (February 16, 2011).


Harley, L. A. “Successful Results Teaching Beginning Band: Focus on Tone & Musicianship.” Annual Band Directors Clinic, Bowling Green State University, Bowling Green, OH. (January 22, 2011).

MacLachlan, H. M. “K’awlthooli: A Place and an Idea.” In and Out of Place: Colloquim Presented by the College of Arts and Sciences, Grand Chair in Arts and Languages, University of Dayton, University of Dayton. (April 9, 2011).

McCutecheon, J. R. “Some Ergonomic Aspects Pertinent to Guitar Teaching.” National Convention, Guitar Foundation of America, Columbus, GA. (July 1, 2011).


Sink, D. W. “Working Group Consultation.” Sponsored by Air Force Research LabWright Brothers Institute, $1,000. (December 18, 2010-February 2011).


SPONSORED RESEARCH


WORKSHOPS


BOOKS


BOOK CHAPTERS


BOOK REVIEWS


Kebede, M. Pentecostalism and Orthodox Christianity, The Evangelical Movement in Ethiopia by Tibebe Esthete. Stanford, CA.


CONTRACTIONS

McEwan, R. (Co-Principal), Fouke, D. C. (Co-Principal). “Re-recognizing the Earth underfoot: Exploring the hidden ecology of our own backyard through student engagement and community partnership.” Sponsored by University of Dayton Learning and Teaching Center, $6,500. (January 1, 2010-February 1, 2011).
GRANTS


JOURNAL ARTICLES


NEWSPAPERS


OTHER


PAPERS

DesAutels, P. J. “Moral Perception and Responsiveness.” Department of Philosophy Colloquium, Dalhousie University. Department of Philosophy, Dalhousie University, Halifax, Nova Scotia, Canada. (November 18, 2011).


DesAutels, P. J. “Advancing Women in Engineering.” Invited talk, Russ College of Engineering and Technology, Ohio University, Russ College of Engineering and Technology, Ohio University, Athens, Ohio. (May 19, 2011).


DesAutels, P. J. “Author Meets Critic Comments on The Ethics of Need: Agency, Dignity, and Obligation by Sarah Clark Miller, University of Memphis.” Annual Meeting of Association for Practical and Professional Ethics (APPE), Association for Practical and Professional Ethics (APPE), Cincinnati, Ohio. (March 4, 2011).


Paslaru, V. “Integrative Pluralism and Mechanism Description.” International Society for History, Philosophy and Social Studies of Biology (ISHPSSB), Salt Lake City, Utah. (July 13, 2011).


Velasquez, E. R. “Should Undocumented Migrants Be Illegal?” Caribbean Philosophical Association, College of Arts and Sciences at Rutgers, Rutgers University. (October 1, 2011).

PRESENTATIONS (INVITED LECTURES OR ADDRESSES) ........


James, D. D. “The Crisis in Dayton: A Philosophical Response.” Summer Residency Union Institute and University. (July 6, 2011).


WORKSHOPS ......................


DesAutels, P. J. “Recruiting and Advancing STEM Faculty at UD.” UD NSF ADVANCE LEADER Event, Department of Computer Science, UD, University of Dayton. (September 23, 2011).

PHYSICS

ABSTRACTS ....................


CONTRASTS .....................


GRANTS .........................

Smith, T. B. (Co-Principal), Basista, B. (Co-Principal), Teed, R. (Co-Principal), Tomlin, J. (Co-Principal), Schen, M. (Co-Principal), Hundley, S. (Co-Principal). “Earth, Life, and Physical Science Professional Development Project for Grades 5-12 Teachers.” Sponsored by Ohio Board of Regents, $193,609. (July 1, 2011–June 30, 2012).


INSTRUCTOR’S MANUALS/ STUDENT STUDY GUIDES ........


JOURNAL ARTICLES .................


OTHER


PAPERS


PAPERS PUBLISHED IN CONFERENCE PROCEEDINGS . . .


POSTERS


PRESENTATIONS


PRESENTATIONS (INVITED LECTURES OR ADDRESSES)............


Brecha, R. J. “Ten Reasons to Take Peak Oil Seriously.” Energy Futures and Geopolitics, the Long View, Patterson School of Diplomacy and International Commerce, Lexington, KY. (October 20, 2011).


Powers, P. E. “Tuning across the terahertz spectrum with broadband and narrow band sources.”, Nanjing Institute of Science and Technology, China. (May 24, 2011).

SPONSORED RESEARCH.........


TECHNICAL REPORTS...........


POLITICAL SCIENCE

BOOKS..........................


BOOK CHAPTERS...............


GRANTS........................


INSTRUCTOR’S MANUALS/STUDENT STUDY GUIDES...............


JOURNAL ARTICLES............


OTHER........................


PAPERS.......................


Talbott, A. “Beyond Just Raising Awareness: Developing a Multi-level Public Information and Social Marketing Campaign for Demand Reduction and the Prevention of Human Trafficking.” 8th Annual International Conference on Human Trafficking, Prostitution, and Sex Work, Second Chance, University of Toledo, Ohio. (September 30, 2010).

PRESENTATIONS (INVITED LECTURES OR ADDRESSES)………. ………… ………


Bilocerkowycz, J. M. “Whither Russia 2011?” Meeting of a religious-based group that would be traveling to Russia, Miami Valley Episcopal Russian Network, St. Paul's Episcopal Church. (February 6, 2011).


Ensalaco, M. “The Advent of An Arab World Free from Fear and Want.” Annual Conference Amnesty International OSU Chapter, Amnesty International, Ohio State University Chapter, Columbus; (April 9, 2011).


Ensalaco, M. “Catholic Social Teaching and Human Trafficking.” Global Solidarity Conference, Catholic Relief Services, Dayton Ohio. (March 11, 2011).

Ensalaco, M. Dayton Christian Connections, Catholic Relief Services, Dayton. (March 6, 2011).


WORKSHOPS……….. ………… ………


Talbott, A. “Human Trafficking is the Modern Day Slave Trade.” Alpha Kappa Alpha Professional African American Women’s Sorority, Dayton, Ohio. (October 21, 2011).


BOOK CHAPTERS


GRANTS


JOURNAL ARTICLES


OTHER

Reeb, R. N., Bringle, R. “Strengthening the theoretical bases of research on service learning: Research related to students, community, faculty, institutions, and partnerships.” International Association for Research on Service-Learning and Community Engagement, International Association for Research on Service-Learning and Community Engagement, Chicago, Illinois. (November 4, 2011).


PAPERS

Bauer, J. J. “The humanities and the education pie: Be the crust, not a piece.” 18th Annual Humanities Symposium, Alumni Chair in the Humanities, University of Dayton, Dayton, OH. (February 15, 2011).


Institute of Technology, Zhejiang University and University of Indianapolis, Ningbo, Zhejiang, China. (September 5, 2011).


**POSTERS**


**PAPERS PUBLISHED IN CONFERENCE PROCEEDINGS**


**PRESENTATIONS (INVITED LECTURES OR ADDRESSES)**


RELIGIOUS STUDIES

BOOKS


BOOK CHAPTERS


**JOURNAL ARTICLES**


Levering, M. W. Linear and Participatory History in Augustine’s City of God. *Journal of Theological Interpretation*.

Levering, M. W. Providence and Predestination in Al-Ghazali. *New Blackfriars*.


**MAGAZINE/TRADE PUBLICATIONS**


**OTHER**


**PRESENTATIONS (INVITED LECTURES OR ADDRESSES)**

Bennett, J. M. “Power and Authority on the Internet.” *Theology Symposium: Ashland University, Ashland University, Ashland, OH* (February 12, 2011).

Bunting, S. “Response to Daniel Matt, “How the Zohar Reimagines God.” *Ryterband Symposium, United Theological Seminary, University of Dayton, Wright State University, Wright State University, Dayton OH* (September 14, 2011).

Johnston, K. S. “Blessings, Curses, and the Cross.” *Symposium on the Theological Interpretation of Scripture, North Park Theological Seminar, Chicago, IL* (September 29, 2011).


Levering, M. W. “Knowing God.” *Pepe Benedict XV’s Jesus of Nazareth, Augustine Institute, Denver CO* (November 11, 2011).

**PAPERS**


**Kallenberg, B. J.** “Engineering as Vocation.” Annual Meeting of Christian Engineering Education Society, Trinity Western University, Vancouver BC. (June 30, 2011).


**Miller, V. J.** “The Saints in Popular Culture: Theological Explorations.” Catholic Theological Society of America. (June 10, 2011).


**Orji, C.** “The New Forms of Martyrdom and Sainthood in Africa.” Catholic Theological Society of America (CTSA), CTSA, San Jose, CA. (June 10, 2011).


**WORKSHOPS**

**Johnson, K. S.** “Introducing the Catholic Social Tradition.” Humanities Commons pilot courses workshop. (August 16, 2011).


**SOCIOLoGY, ANTHROPOLOGY ANd SOCIAL WORK**

**BOOK CHAPTERS**

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JOURNAL ARTICLES

OTHER

PRESENTATIONS (INVITED LECTURES OR ADDRESSES)
Jipson, A. J. “What is so Social about Social Media and Crime?” Conference on Undergraduate Education/National Institute of Justice Joint meeting, National Institute of Justice, Savannah, Georgia. (October 18, 2011).
Jipson, A. J. “Future of Criminal Justice in a Social Media World.” Criminal Justice Department Colloquium, Criminal Justice Department, University of Cincinnati, Cincinnati, Ohio. (September 1, 2011).


GRANTS ..................................................


Whitaker, J. (Principal). “Summer Research Fellowship Grant.” Sponsored by University of Dayton Research Institute, $10,338. (July 2011–August 2011)

MAGAZINE/TRADE PUBLICATIONS .................................................


NEWSPAPER ..........................................................


Phelps, K. E. (2011). In Mauger Craigs (Eds.), Hometown Inspiration – Two New Castle natives have become acclaimed artist depicting blue-collar life (pp. Cover page and A8). New Castle, IN: The New Castle Courier Times.


OTHER ..........................................................


WORKSHOPS ..................................................


REVIEWS OF ARTISTIC PERFORMANCES/EXHIBITIONS……


Retiree Dr. Pat Palermo

Working at the University of Dayton for 41 years, Dr. Pat Palermo, Professor of History, has held many positions on campus, including the Associate Provost for Faculty and Academic Affairs and the Associate Provost for Undergraduate Education. He also helped to develop various programs, including the general education curriculum and the Stander Symposium.

However, Palermo feels his biggest accomplishment was developing the University's honors program. Palermo had just become a tenured professor when the administration asked him to oversee the development of the program. It was not an easy task, as there was not a previous program upon which to base the new curriculum and structure. As an added challenge, there were very few resources.

“There was no money. The budget was small,” Palermo stated about starting the honors program. “But I thought it was something worthwhile to do.”

Retiree Dr. Larry Lain

At the end of Dr. Larry Lain’s, last year as Professor of Communication at the University of Dayton, his department hosted a retirement party for him. Dozens of his former students and colleagues from all over the country came to support him. Lain saw people with whom he had worked over 20 years ago.

“It was a moving and humbling experience,” Lain said about the retirement party. “I am going to miss the people most of all. People are what matter.”

After 36 years as a professor at UD, teaching more than 20 courses and serving as Flyer News advisor for 25 years, Lain was able to help many students figure out their futures. Lain states that he wanted to be a professor in order to help students fulfill their life goals.

Lain was successful at mentoring his students, as many have become his friends.

While Lain will miss the people at UD, he is excited to begin his retirement. He plans on staying active and does not want to spend his retirement sitting in a recliner. Lain wants to write, travel and spend more time with his family.

Retiree Dr. Louis Marre

Over his 47 years in the Department of English, Dr. Louis Marre adjusted to many changes. He was originally hired to teach Renaissance English literature, but soon found himself sharing the responsibility for teaching the Shakespeare requirement. He also created a new niche, drawing on his graduate minor in Italian, to develop a course in European Renaissance literature. Along with these courses, Marre also focused on the Masterpieces of World Literature course, which his wife, Dr. Katy Marre, also teaches.

Marre first met his wife on an elevator in Miriam Hall. While both taught for the Department of English, there was no competition between the two, and each will readily tell you that the other is the smartest person he or she knows.

While Marre enjoyed teaching the Renaissance literature courses, he also took pleasure in teaching the first year composition courses for many decades. He specifically liked working with the non-traditional students who often took his late afternoon sections of ENG 102.

As his retirement begins, Marre is looking forward to enjoying more time with his collection of railroad photography and with his family, especially his two grandchildren in St. Louis.

—Lindsey J. DiTirro