

Andrews University

Digital Commons @ Andrews University

Public Document Archive

2013

Humanities, Stem, Social Sciences

Christian Bacchiocchi

Pedro Navia

Duane McBride

Katelyn Ruiz

Douglas A. Jones

Follow this and additional works at: <https://digitalcommons.andrews.edu/pda>



Part of the [Arts and Humanities Commons](#), [Engineering Commons](#), [Physical Sciences and Mathematics Commons](#), and the [Social and Behavioral Sciences Commons](#)

Humanities

ENGLISH

HISTORY & POLITICAL SCIENCE

INTERNATIONAL LANGUAGE STUDIES

LIBERAL ARTS

MUSIC

RELIGION & BIBLICAL LANGUAGES

Department of English

Text by Douglas Jones, Chair

Photo by the Andrews University Office of Integrated Marketing & Communication

Images: (1) photo of department activities – getting from IMC

Though the Department of English is proud of its on-campus academic success, the 2012-2013 school year has been one of outreach and applying the knowledge and skills cultivated in the classroom to the world that exists beyond Nethery Hall.

In the fall semester, Dr. Douglas Jones, department chair, along with students Timothy Hucks, John Musselman, and Christian Bacchiocchi, presented at the Michigan College English Association. There they addressed the issue of young adult literature targeted for boys, and the direct correlation between reading and academic success.

A number of other English faculty have been traveling this year, speaking at conferences and colleges. Dr. Bruce Closser and Dr. Beverly Matiko presented at the Michigan Academy of Sciences, Arts and Letters. Professor Julia Kim visited China, while Dr. L. M. Pittman went to England, and Dr. Vanessa Corredera spent time in Toronto.

However, since faculty and students are not always capable of physically traversing the globe, the English department is creating programs for students who live far from Berrien Springs to obtain diplomas through electronic means. As of this year, a program to earn a Masters Degree with an emphasis in Teaching English to Speakers of Other Languages (TESOL) is available in Brazil, complimenting a similar program already in existence in Korea.

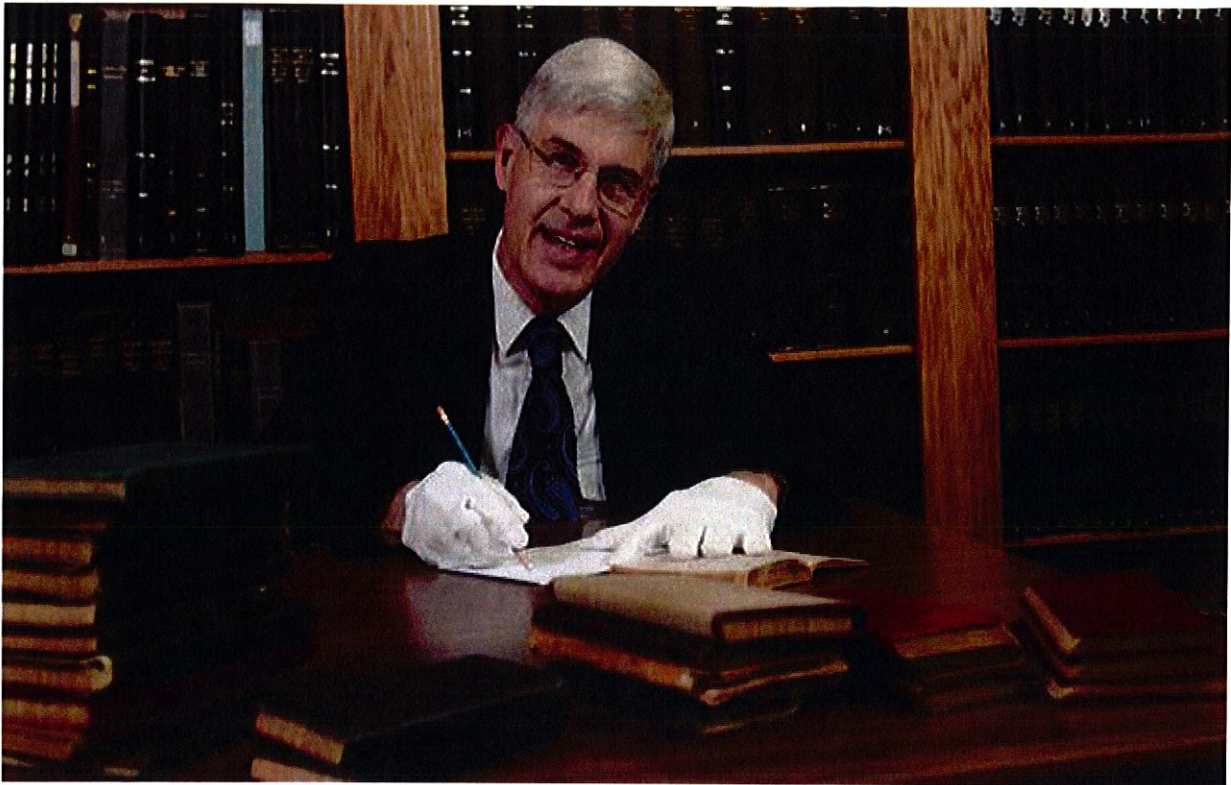
Closer to home, the English department is proud to have six of its members—Jessica Catron, Michael Reiss, Nicholas Reichert, Ashley Meyer, Michelle Adame, and Patricia Leja—in nearby high schools, completing their student teaching requirements.

In the years to come, it is the desire of the English department to continue bringing up scholars who have a desire to both learn and to share that learning with others.



ALUMNUS SPOTLIGHT

Donnette Frances, a 1990 graduate of the Andrews University Department of English, continued on to complete her Ph.D. at New York University in 2001, and is now a professor of English at Binghamton University. In addition to speaking at many lectures and conferences and publishing numerous texts, she is currently researching the nature of Caribbean women throughout history and their respective gender roles.



The Department of History and Political Science is one that not only encourages students to do constant research, but is blessed with faculty who themselves have a love of learning and a desire to understand the world by exploring contemporary topics and current events. The faculty constantly work to expand their knowledge, allowing them to not only be more informed about the subjects they already teach, but to create an environment where old courses evolve and new courses are added, in an effort to continue to enrich the experience of their students.

Dr. Brian Strayer recently published a book on J. N. Loughborough, the first sponsored Seventh-day Adventist missionary, a man who combined the charisma of an evangelist with the leadership skills of an administrator and the perspective of a historian. Dr. Gary Wood has an article in a recent publication, *Homosexuality, Marriage, and the Church*, addressing the issue of homosexuality and rights given by nature, a topic that

has gained significant momentum this past school year.

Dr. Marcella Myers has been researching civic rights and the integration of immigrants, specifically in relation to Germany. Dr. John Markovic, department chair, has directed his attention towards Emergence Christianity, with the intention to create a course exploring this topic in the future.

One of the most notable examples of curriculum development is the new African American Studies minor that will soon be available. For the past year, Dr. Kathryn Silva Banks, along with graduating senior, Claudia Allen, have set in motion the process to make an interdisciplinary African American Studies minor available in the 2014-2015 school year.

Not only does our department encourage all of its members to seek knowledge, but the knowledge sought is that which affirms our faith, as evidenced by the research we do and how our faith informs the way we teach our students to interact with the world.

Department of International Language Studies

Text by Pedro Navia, Chair
Photo by Ruben Perez-Schulz

The 2012-2013 academic year has been very exciting for the Department of International Language Studies. At the beginning of the year, the Middle East University joined the Adventist Colleges Abroad (ACA), and students interested in learning Arabic could study in Lebanon for the summer or for the school year. This inclusion of a new site to study another foreign language gave us the chance to offer Elementary Arabic here on campus, with a good number of students registered for that class. A few of them decided to go to Lebanon and continue their studies in Arabic.

Another new foreign language added on campus was Italian, and students from the Music and English departments happily enrolled in this course. The decision of going to Villa Aurora in Italy to continue studies in the Italian language was also made by some students.

Students pursuing majors and minors in any of the foreign languages offered by the Department of International Language Studies are really attracted by the ACA programs, and many of them decide to enroll and spend one year abroad. This year, more than 30 Andrews students travelled to ACA schools to achieve fluency in a foreign language. Spring Break week is the best opportunity for our faculty members to visit the students abroad, and this year we traveled to France, Spain, and Argentina. Even though academic advising is the main purpose of our visit, faculty members also see this as a great opportunity to talk to non-Andrews students who may later decide to transfer to Andrews.

During the school year, faculty members were also involved in research activities. Professor Sonia Badenas and Professor Ruben Perez-Schulz continue their commitment to complete their doctoral degrees. Professor Elaine Navia spent the summer in Italy getting ready to teach Italian courses at Andrews University, and she also attended the prestigious National Convention of the Association of Foreign Language Instructors. Dr. Pedro Navia presented four papers in national and international conferences and also submitted an article for publication.

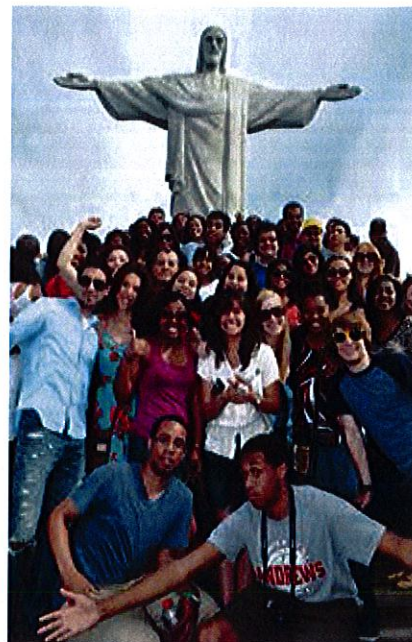
Study tours were an important component of 2012 summer activities. On one side of the globe, Professor Sonia Badenas went to France, Belgium, Switzerland, and Luxembourg with a group of 15 students. On the other side of the world, Professor Ruben Perez-Schulz and Dr. Pedro Navia went to South America with 40 students



ALUMNUS SPOTLIGHT



Melissa Kenney, a Spanish Studies major, graduated in 2001. She completed a Master of Arts in Spanish Pedagogy and Spanish Linguistics at Illinois State University, Normal, IL. At both AU and Illinois State University, she took a few classes in TESOL, because it was always an area of interest to her. These classes led to TESOL jobs in Texas, Mexico, and Michigan. Melissa currently teaches part-time and is enjoying raising her twins, Laura and David.



The group stands before Christ the Redeemer, the largest Art Deco statue in the world and the second largest statue of Jesus in the world. It is 98 feet tall, not including its 26-foot tall pedestal. Its arms stretch 92 feet across and the statue weighs 635 tons. Located at the peak of the 2,300 foot Corcovado Mountain in the Tijuca Forrest National Park and overlooking Rio de Janeiro, this symbol of Brazilian Christianity has become an icon for Brazil. It is made of reinforced concrete and soapstone, and was constructed between 1926 and 1931.

to visit Peru, Chile, Argentina, Paraguay, and Brazil. Students from both groups had a great chance to practice and improve their foreign language skills while also getting more acquainted with the culture of these countries.

During the school year, department-sponsored clubs and ministries were extremely active. The French and the Spanish clubs organized many cultural activities both on and off campus. Makarios Ministries presented twelve programs in Hispanic churches in the Midwest in an effort to recruit prospective students from those churches. As a result of our efforts, Makarios received many invitations to present their programs in Indiana, New Jersey, New York, Illinois, Wisconsin, Minnesota, and many other states.

Finally, in spring 2013, Dr. Navia received the Daniel A. Augsburg Teaching Award as recognition of his commitment to teaching.



One of the most valuable gifts that music gives us is that it brings people together; differences are put aside, barriers are overcome, and a mutual appreciation of beauty is cultivated. We've seen this at work in our outreach programs and at our concerts, and we continue to find new ways to use our talents to connect Andrews with the world beyond our campus.

This year, the Department of Music was proud to host the fifth annual Middle School Honors Band Festival. The festival brings in musicians from middle schools—both public and private—from across Southwest Michigan to perform a concert together in the Howard Performing Arts Center. The festival was conceptualized and set in motion by Denisse Santos, an Andrews University graduate. It was her desire to create a joint project between Benton Harbor schools and her alma mater, and she feels thrilled that the end result has exceeded her humble dream.

The festival planning process involves sending music out to respective schools months in advance, allowing schools to practice the music on their own as part of

their curriculum. The day of the performance, all the schools arrive on our campus where they are greeted by Assistant Professor of Music, Alan Mitchell. Although none of the schools have played together prior to the festival, the students see incredible progress after a full day of rehearsal with Professor Mitchell. They perform as one large group in concert that evening, often accompanied by our Andrews University Wind Symphony.

When the first festival was held, 12 schools participated. This year, 18 schools—totaling 155 students—intermingled their musical talents. Not only does this bring public school students onto our campus for a day, it brings a multitude of children and their respective band directors together. This musical meet-up gives us an opportunity to influence the students and directors not only on an academic level, but also on a religious one.

The Middle School Honors Band Festival is a project that we are proud to host each year. In fact, our program has become so renowned that Western Michigan University is adopting a similar program for schools in their area!



ALUMNUS SPOTLIGHT

Denisse Santos Brumbelow is a graduate of the Andrews University Department of Music. She continued on to earn a Masters of Music Education from VanderCook College in Chicago. She is currently working towards her Doctorate in Musical Arts in Music Education at Boston University College of Fine Arts. She is the Director of Fine Arts for Benton Harbor area schools, and Orchestra Director at Fair Plain Renaissance Middle School.

Department of Religion & Biblical Languages

Text by Christian Bacchiocchi
Photo by Dr. Ruben Munoz

PAGE 8: •
Image: Need to get
something from Paul
Petersen

At a university where our Adventist faith is the backbone of our curriculum, it is only natural that extra attention is paid to how the Religion department exemplifies a religion-driven lifestyle. It is the annual focus of our department to produce spiritual leaders who will encourage others to develop and maintain the strong Adventist values that Andrews University stands for.

This ~~past year~~, the Religion department took our first trip to Cuba for a three-week evangelistic series. Though Andrews sponsors quite a few study tours around the globe each year—such as Professor Glenn Russell’s yearly trip to Lebanon—a trip to Cuba had not yet been attempted.

Dr. Ruben Munoz had visited Cuba previously on the university’s behalf, and had returned home with a dream of taking students back to Cuba to lead an evangelistic series. The unique location would allow for a cross-cultural experience, and there was a guaranteed audience who would be interested in hearing what our students had to say. And, with the very large number of Spanish speaking students we are fortunate to have in our program, we knew that any language barrier would be easily overcome.

Taking the trip ~~last summer~~ were Dr. Paul Petersen (department chair), four theology students, 11 non-theology students, and four ministers from the Michigan conference. Over the three-week period, our group visited nine different churches and performed a total of 80 baptisms, with even more people signing up for Bible studies.

Due to the long government approval process involved in visiting Cuba, this may not be a trip that we are able to take every year, but we are confident that this will not be our last trip, either.



ALUMNUS SPOTLIGHT

Nathaniel Gibbs graduated from the Andrews University Department of Religion with a Bachelors of Arts in Theology. Not only was he a member of the Cuba trip, but he has continued on to be employed by the Michigan conference as a minister.

STEM

Science, Technology, Engineering, and Mathematics

BIOLOGY

CHEMISTRY & BIOCHEMISTRY

ENGINEERING & COMPUTER SCIENCE

MATHMATICS

PHYSICS



ALUMNUS SPOTLIGHT

Karen Osborn, who graduated from Andrews University in 1996 with her Bachelor of Science in Zoology, went on to complete a Ph.D. in Biology from University of California, Berkeley, before taking a postdoctoral fellowship at the Scripps Institution of Oceanography in San Diego. As an expert in marine invertebrates, Karen now serves as Research Zoologist in the Department of Invertebrate Zoology, Smithsonian National Museum of Natural History.

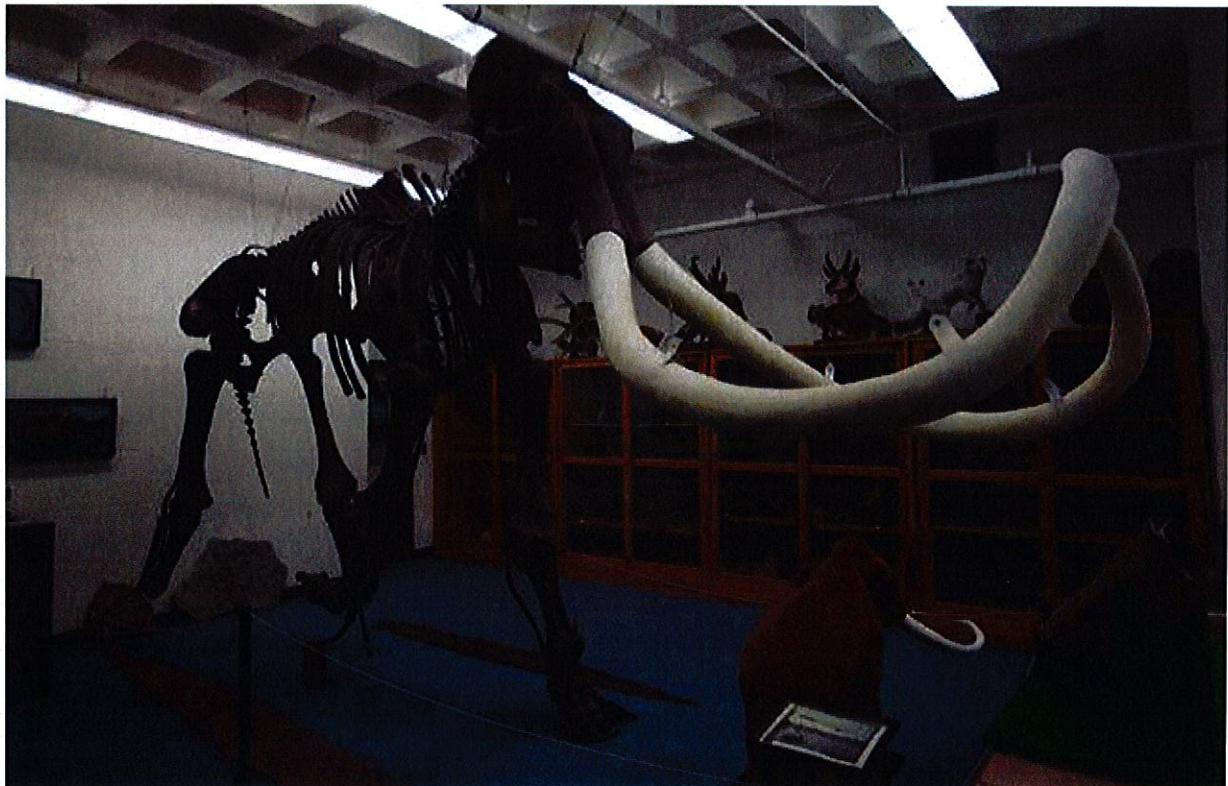
The 2012-2013 school year was “a year of transition” for us. After four of our Biology faculty members retired last summer (see our article in last year’s **Year in Review**), we welcomed a new department chair and six new faculty members this year, with two of those joining the department this summer.

Our new chair, Dr. Thomas Goodwin, felt that this year of transition provided the exact environment necessary to reassess our curriculum in a way that will benefit our students, and we spent a great deal of time ~~on~~ discussing our program. One of the outcomes of taking a look at the courses that we’re teaching was the introduction of a new Scientific Communication course. This class is designed to develop a student’s ability to communicate the knowledge they have gained through research in both written and spoken formats—skills that our Biology faculty know are essential to the future success of our students, especially those who will go into research fields.

We also created three new courses that are directly tied to the research areas of our new professors—Virology, Neurobiology of Mental Illnesses, and Genomics, Proteomics, and Bio-informatics.

This year was also a year of outreach for us, thanks to three students—Andre Moncrieff, Kristin Chung, and Ross Trecartin—who served as student missionaries across the globe, finding ways to put what they have learned in the classroom into action in the real world.

Even in the midst of change and its accompanying stress, we continued to focus on providing the best learning opportunity for our students through research, one-on-one interaction, and curriculum development. We are really looking forward to the new school year and being able to build on the foundations we laid this past year!





When asked to ponder what groundbreaking feats were seen in our department this past year, two names spring to mind—Dr. Desmond Murray and Dr. Ryan Hayes.

Dr. Murray has been working with high school students to complete research projects, guiding them towards the study of chemistry as they continue their academic career. He has also helped a number of undergraduate students with their respective research. In addition, Dr. Murray helped pave the way for the Chemistry department to be noticed in the [Benton-Michiana Spirit Community Newspaper](#). Here, a number of local chemists, including our very own Dr. David Nowack, are recognized for their research. The featured chemists also have used this as an opportunity to share messages of advice and encouragement to students interested in the field of Chemistry.

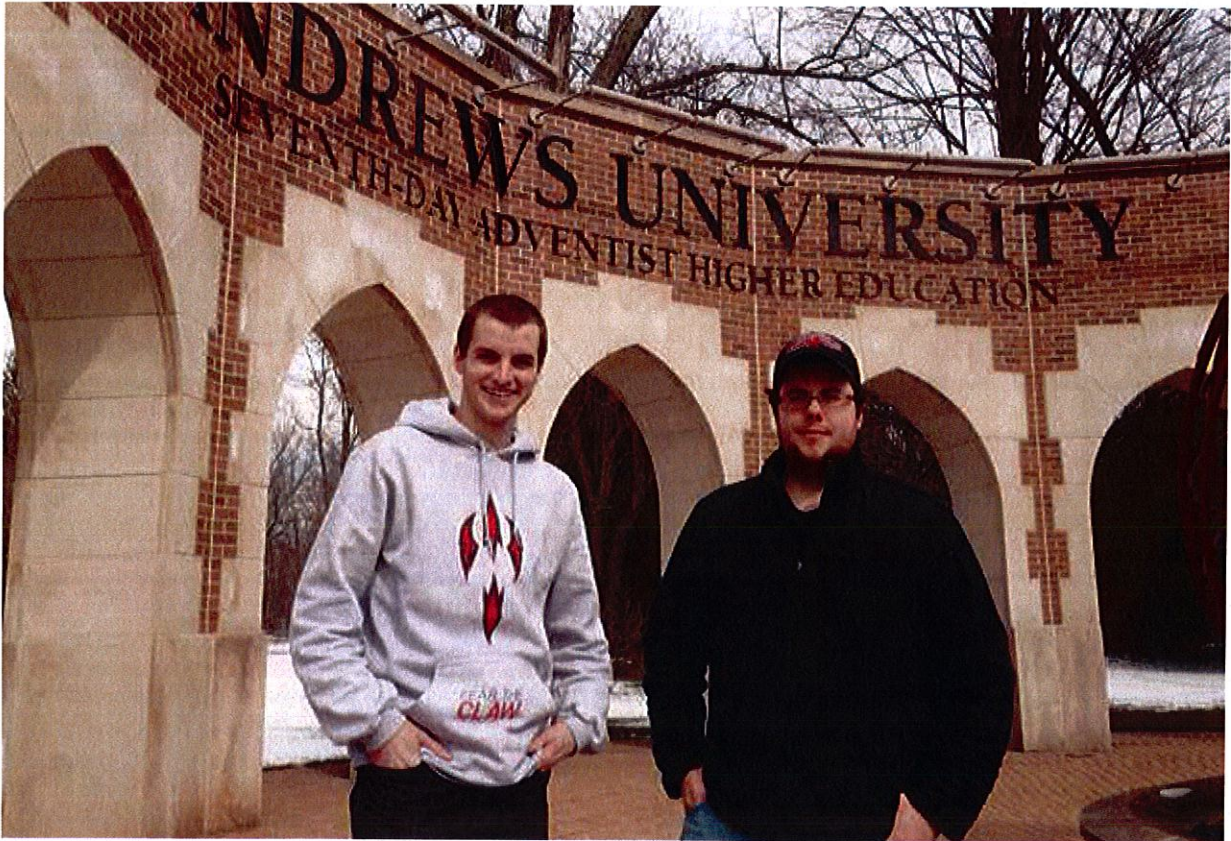
Dr. Hayes has been researching a crucial component of the Seventh-day Adventist way of life—veggie-meat—specifically, overcooked veggie-meat or soy proteins. Negative health effects associated with eating meat, such as cancer, are why our health message advocates for a vegetarian lifestyle. It is the re-arranging of animal-based proteins, containing creatine, at high temperatures that creates carcinogens (cancer-causing chemicals). Dr. Hayes' research looks at the creatine-free proteins present in meat substitutes, common in Adventist households and in the university's cafeteria, to see if there are parallels between the issues of over-cooking real meat and over-cooking its "healthier" counterpart. His initial results suggest overcooking soy protein could be harmful. Although he has not yet reached a certifiable conclusion, Dr. Hayes and his research team will continue to search for answers . . . ones that may change the way we prepare our food. Perhaps we will report on the final conclusions [next year!](#)

The Chemistry department represents the Periodic Table of Elements in the Andrews Alumni Weekend parade.



ALUMNUS SPOTLIGHT

Joshua Szykowski is a proud Andrews graduate with a Bachelor of Science in Biochemistry. He is doing research over the summer with Dr. Lisa Ahlberg on a 1, 3-dipolar addition reduction to form a thiolactone analog. Regarding his time at Andrews, Josh says, "The Chemistry department has faculty that are intent on seeing you succeed. My professors were always readily available for questions and support of any kind. This led to opportunities, such as research and employment in the department, which might not have been available in another setting."



One of the constant focuses of our department is that we encourage students to apply their knowledge in a practical manner. Engineering and Computer Science students are taught not to simply accept a particular design or process, but to approach problems from different angles, always striving to improve and be more efficient. This type of work ethic and creative problem solving has helped our students stand out when participating in intercollegiate challenges, whether they're building a go-cart or using technology of the future.

This past school year, Andrew Roderick and Brian Booth, both juniors in the Engineering department, placed first in a global redesign contest. Roderick and Booth entered the 9th Annual Extreme Redesign 3D Printing Challenge in the category of College Engineering. The aim of the contest was to create an innovative redesign of an existing project or original work of art or architecture. The pair submitted a redesign they call "the Crawler Seat 2.0," which earned them a first place prize and a scholarship from Stratasys, the sponsor of the contest and manufacturer of 3D printers. Booth looked back on the project saying, "It was great to apply the knowledge that we have learned in the classroom to design a product that is applicable to real world situations."

This is not the only team who demonstrated an application of knowledge on an intercollegiate scale. Robert Jewett (senior) and Atniel Quetz (recent graduate) won an honorable mention in the student category of the 2013 International Aluminum Extrusion Design Competition for their design "Custom Contour Furniture."

We are so proud of our students for their achievements in these types of events. Both our faculty and our students recognize that our participation allows Andrews students to be ambassadors on a global level, gaining experience, yes, but also influencing the world.



ALUMNUS SPOTLIGHT

Kendall Hopkins graduated from Andrews University in 2011 with a major in Computer Science and Math Studies, as well as a minor in Electrical Engineering. He has worked with software and codes for many years, and now he resides in Sunnyvale, CA, where he is employed as a Software Engineer at Facebook.

Department of Mathematics

Text by Christian Bacchiocchi
Photo by Karen Johnson-McWilliams

For several years, there has been a stereotype associated with mathematics and those who choose to study it. Many people assume that math-lovers are predominantly “left-brained” or encounter difficulty when trying to engage in artistic activities. But that’s not really the case! And it is the desire of our department chair, Dr. Shandelle Henson, to lay these myths to rest.

When a person thinks of the liberal arts, writing, painting, photography, or graphic design may immediately spring to mind. But of the seven original liberal arts, three are related to the very backbone of mathematics—arithmetic, geometry, and logic. The separation between the worlds of Mathematics and English is not nearly as vast of an expanse as people may believe. There are many students who combine both English and Mathematics in their academic career; Matthew Chacko, an English major, recently completed his Senior Honors Thesis in the field of Mathematics.

In order to do well in math, a person must be able to write well. Though equations appear to be a grouping of numbers, they are actually a logical sentence that must adhere to many of the rules a writer would follow when drafting an essay or research paper. Just as there is a logical progression for critiquing grammar in a sentence to ensure proper meaning, there is a parallel process to ensure that a mathematical equation is set up properly and will render a true solution.

Dr. Henson is a firm believer in the shared relationship between Mathematics and English. She studied English for a time, and her interest in it continues to this day. She affirms that these fields are different sides of the same coin, and one cannot be disregarded while attempting to maintain the other. It is her goal to help change the world’s perspective on mathematics and to help others embrace its multifaceted nature.



ALUMNUS SPOTLIGHT

Danielle Burton graduated from Andrews University with her undergraduate degree in both English and Mathematics. She traveled abroad, teaching English in China. She later returned to Andrews and earned her Masters Degree in Mathematics & Science. In the Fall Semester of 2013, she will be attending the University of Tennessee, where she has been offered the very prestigious PEER Fellowship, and will be pursuing her Ph.D. in Mathematics.



This year's inductees into Pi Mu Epsilon, the Math Honor Society.

Department of Physics

Text by Christian Bacchiocchi



Over 500 people gathered on the roof of the Science Complex to view the transit of Venus, an event sponsored by the Physics department last summer.



ALUMNUS SPOTLIGHT

Nicholas Valles, a graduate of the Andrews University Department of Physics, is currently a Ph.D. candidate and Graduate Research Assistant at Cornell Laboratory for Accelerator-Based Sciences and Education. He also spoke at the International Particle Accelerator Conference in Shanghai, China, this past May. His ongoing research has successfully rendered Oscillating Superleak Transducers (OST), which locate quench spots on superconducting cavities in superfluid helium.

In most science-oriented programs, the presence of a Teaching Assistant (TA) is not uncommon. Such individuals proctor exams, help perform lab work, and answer questions in the professor's absence. However, our department wishes to be the first discipline to introduce a Learning Assistant (LA). In the summer 2012, we began a program geared towards turning our students into Learning Assistants. To achieve the title of Learning Assistant, a student must complete a pedagogy class, taught by our department chair, Dr. Margarita Mattingly, who has attended conferences to prepare for the introduction of this new program.

Our Learning Assistant program has three main goals: (1) to give students exposure to teaching, with the desire that they might pursue that field, (2) to help students learn more in a class that might not allow for contact with the teacher due to class size, and (3) to establish a correlation between being a Learning Assistant and eventually earning a Ph.D. These goals develop a student's ability to think critically and we believe it will push them to learn. Students are encouraged to work in groups and to create an environment where each individual may present his or her ideas constructively. The students direct and regulate themselves, taking initiative for their own learning. This past school year, the Learning Assistants aided in the General Physics courses, since the classes are so large and the teachers are unable to assist everyone.

We are really excited about this program and are hoping to see it spread to all of STEM, and possibly even to the rest of our campus. In changing how students learn, we believe we are creating an opportunity for positive growth on a large scale.

Social Sciences

BEHAVIORAL SCIENCES

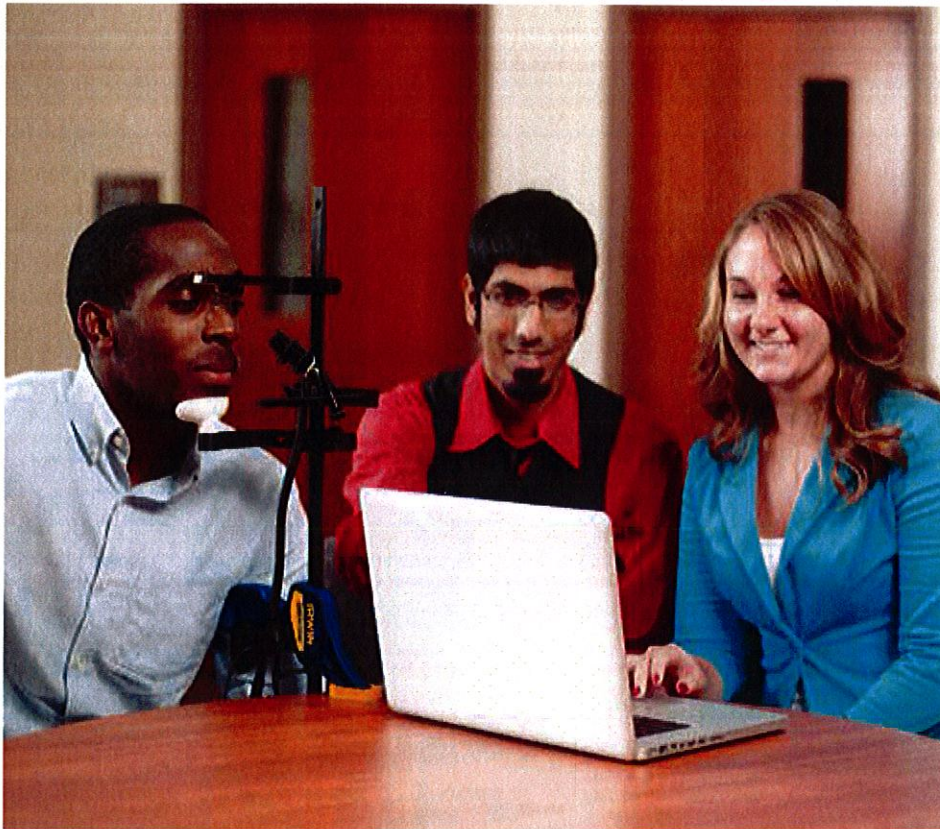
COMMUNICATION

JAMES WHITE LIBRARY

SOCIAL WORK

Department of Behavioral Sciences

Text by Duane McBride, Chair



ALUMNUS SPOTLIGHT

We are very proud of one of our psychology alumni, **Lisa Lien**, who wrote an article for the December 2012 issue of the Lake Union Herald describing how her experience at Andrews strengthened her spiritual growth and has led to her leadership in planting a new church in Chicago. It is wonderful to see our graduates grow in Christ!

Fifty years ago, in the context of major social changes brought about by the civil rights and anti-war movements, Andrews University asked Dr. Charles Crider to develop a Behavioral Sciences department at Andrews to help our church understand and deal with the psychological, sociological, and anthropological aspects of these changes. As we enter a new academic year, our department continues to build on this legacy, through the scholarship, service, and teaching of its faculty and the development and successes of its students.

The 2012-2013 academic year found our department serving an ever-expanding community. We reached an all-time high in majors with 169 students. Despite the increased teaching and advising loads, our faculty remained very involved in their roles as teacher-scholars. Our department was again a university leader in faculty and student

scholarly presentations and publications, in both professional and scientific journals, as well as major Seventh-day Adventist Church publications and venues. We had nine students who presented at the Midwest Psychology Association annual meeting.

We also remained leaders in serving our campus and our community. Larry Ulery directs our student service program and carefully integrates it with the general education program on campus, enabling students to provide hours of service to a variety of community organizations. This year, two of our students—Kimberly Clark and Brittany Felder—received service awards from Michigan Community Compact. We remain strongly committed to integrating faith, scholarly research, and learning.

This past year we had one of the academically strongest senior classes in our history with nine undergraduates receiving honors. We are very proud of the success of our seniors and are very excited about their acceptance in ~~such~~ excellent graduate programs such as the University of Denver, the University of Maryland, as well as Loma Linda and Andrews University. Graduates from both our on- and off-campus Community and International Development Masters programs have continued to make a difference by providing valuable leadership in complex and often risky situations throughout the developing world. This summer we have a group of these students on a study tour in Madagascar under the leadership of Joel Raveloharimisy.

We are excited about the upcoming school year. We have the largest number of students ever who have indicated they are coming here and we are very busy trying to ensure they enroll with us.

The call to classroom ministry is something our faculty have fully grasped. Debbie Michel came to our department as an award-winning producer with a sense of service. With producing in her DNA, she soon turned her skills to the media ministry of the department and, with the collaboration of many other departments on campus, initiated *Envision* magazine (www.envisionmagazine.com). This magazine has brought accolades to the team as well as to the Editor-in-chief, Debbie. This spring, Debbie was presented with the Bruce E. Lee Service Award for her dedication to service for Jesus Christ and the way she incorporates service into all that she does.



Likewise, many Communication students and graduates find ways to connect their classroom experiences with service in their communities. Our students know that the skills needed to complete curricular objectives transfer into success in life.

Michele Trubey, a masters student, completed a radio essay for the class COMM648 Writing for the Media with Dr. Beverly Matiko, Associate Professor of English and Communication. The instructions were to select a venue and compose an essay to fit the submission guidelines of the organization. Trubey composed "If I Were a Birder" to cater to the Michiana audience of WVPE 88.1 FM's local radio spotlight. She wrote about the experience of enjoying the view of nature from her home and shared her piece with airwave audiences on May 14, 2012.

Katelyn Ruiz used an assignment from COMM535 Crisis Communication with Dr. Desrene Vernon, Assistant Professor of Communication, to benefit a local non-profit organization. The project incorporated elements of a corporate crisis management plan and applied them to a venue of the student's choosing. Ruiz chose the Berrien Springs Community Library (BSCL) and completed the assignment with the institution's needs in mind. In August 2012, the BSCL Board voted to accept and implement the Crisis Management and Communication plan for immediate use.

Perhaps most notably, a recent fundraising event for the Emergency Shelter Services, Inc. (ESS) (emergencyselterservices.com) in Benton Harbor took flight from a classroom case study in Dr. Ponniah's PREL320 Managing Campaigns and Special Events course. The idea came about through one student's connection to the ESS director. Emily Ferguson proposed that they begin the hypothetical planning for a 5K run with the needs of the ESS in mind. While the initial stages of planning happened in the classroom, the event gained more interest and momentum and was passed on to Kersey Antoine and Elijah Horton, our department's officers for the Public Relations Student Society of America. On April 14, 2013, more than \$1,600 was raised and donated in full to ESS in Benton Harbor, and will be used to address an immediate roofing need. Philip Kuttikkattu-Matthew, a graduate student pursuing an interdisciplinary Master of Arts in Communication and Business, created a film of the event, clips of which were accepted by ABC57 News in South Bend as a community filler piece. The full video can be viewed at: www.youtube.com/watch?v=oFiWFYcd3Fk&feature=player_embedded

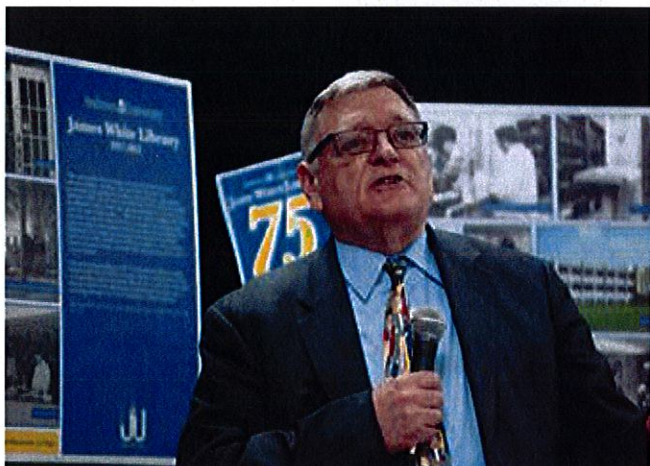


ALUMNUS SPOTLIGHT

Leah Westfall, Master of Arts in Communication graduate, utilized her master's research project to assess the intercultural training processes and outcomes in all non-profit organizations connected with the Southwest Michigan Center for Volunteers. Leah worked with the non-profit coordinator to recruit participants (volunteers and volunteer supervisors) for her survey. The assessment resulted in four professionals requesting access to the findings in order to improve and reformat their current training orientation programs.

The James White Library

Text by Christian Bacchiocchi



The James White Library has always been a resource that benefits both the community and students of all disciplines. This past school year, on October 18, 2012, the library celebrated its 75th anniversary. This event also marked the 150th anniversary of the General Conference.

The 75th anniversary celebration consisted of posters, exhibits, live music in the lobby, and balloons throughout the library. The day also consisted of a tour for students that concluded with a quiz, a ribbon-cutting ceremony to introduce the new instruction lab, an unveiling of a new portrait of James White, and a lunch with Harry Ahn, the painter of the portrait.

Though the library has been open since 1937 (officially becoming the James White Library in 1938), it does not remain stagnant, but rather embraces change. This particular celebration centered on two of the library's core values: remembering its history, and being prepared to accommodate the ever-changing needs of its community.

The unveiling of the new James White portrait shows the importance of history for the library. Yet it was complimented by the opening of a new instruction lab, complete with new computers.

This is not the only step taken to provide a better atmosphere for learning, however. Significant renovation is being done in multiple locations, allowing for better study environments and more efficient access to necessary information. A prime example of this is the change being made to the Seminary section, where new carpet is being put down, the shelves are being reorganized, and the walls are being repaired.

The James White Library is proud of its long and successful history. It does not shy away from the digital age, and is ready to embrace new technology to better serve its patrons. Both the library and its staff work hard to ensure a successful learning environment.

The Social Work department won't settle for "adequate." We are firm believers in applying ourselves in as many ways as possible and believe it is our duty to go out and positively impact others—both spiritually and academically.

On campus efforts included Dr. Wendy Thompson's involvement in the Andrews University Risk Assessment Survey in 2013. She is currently writing a paper on her findings. This assessment is particularly focused on how social support and religious involvement relate to alcohol use. We also sponsored an awareness week for human trafficking, highlighting the reality of our world to both students and members of the community.

In the larger community, Professors Wendy Thompson and Krista Cooper led a group of students to a Legislative Education and Advocacy Day (LEAD) conference in Lansing, Michigan, where events focused on the importance of the legislative process and increased student awareness of policy and its implications in the real world.

Professor Desiree Davis uses a Christian-centered strategy for teaching Social Work students of different worldviews. She particularly affirms the Fruit of the Spirit and the Bible's approach to marriage when dealing with cases of domestic violence and the treatment of others. Professor Shelly Perry also encourages a strong religious foundation ~~when approaching Social Work~~, having students bring in Bible verses and writings of Ellen G. White that apply to the learning material.

We are very devoted to making sure our students are prepared for the work that awaits them, reinforcing both academics and religion as a foundation for changing the world.



ALUMNUS SPOTLIGHT

Juanita Ruiz earned her Masters in Social Work from Andrews University in 2002. She worked for Intercare, an agency largely serving immigrant clients, for seven years. She began her own agency, Silver Lining Family Services, three years ago. The agency provides services to pregnant women and to infants during the first year of their lives. The services are preventive care, education, and linking clients to resources in the community. Juanita has also worked as a mental health consultant in migrant seasonal schools.

Faculty Research and Creative Activity Report

JANUARY–DECEMBER 2012

PUBLICATIONS

BEHAVIORAL SCIENCES

- K. G. D. Bailey.** (2012). Faith-learning integration, critical thinking skills, and student development in Christian education. *Journal of Research on Christian Education*, 21, 153-173.
- A. Baltazar, G. Hopkins, D. McBride, C. VanderWaal, S. Pepper & S. Mackey.** (2013). Parental influence on inhalant use. *Journal of Child & Adolescent Substance Abuse*, 22(2), 25-37.
- R. Chelbegean.** *Gender Culture or Religion?* Printed at LithoTech, Andrews University. 2012.
- D. McBride, G. L. Hopkins, Peter N. Landless, R. Chelbegean & A. Baltazar.** (2011, October 27). Twenty-first Century Sleep Deprivation: Is our lifestyle robbing us of a good night's sleep? *Adventist Review*, 28-30.
- G. L. Hopkins.** (May, 2012). A good reason to serve. *Australian Signs of the Times*. <http://www.signsofthetimes.org.au/items/a-good-reason-to-serve>.
- O. S. LaBianca** with Maria Elena Ronza. "The Concept of Local Ownership as a Means of Conservation of Archaeological Sites: The Tell Hesban Project." Abstract published in *La Transgiordania nei secoli XII-XIII e le "frontier" del Mediterraneo medievale*, edited by G. Vannini and M. Nucciotti, BAR, Oxford. 2012.
- O. S. LaBianca.** "Hisban 2012." Newsletter of the Institute of Archaeology, Andrews University. 33.3 Summer 2012.
- O. S. LaBianca.** "Jordan Field School: New Plans and Theory." In *Andrews University FOCUS Magazine*. Summer 2012.
- O. S. LaBianca.** With Bethany Walker. "Tall Hisban." *American Journal of Archaeology* 116:4 pp. 716-717. 2012.
- D. C. McBride, J. F. Chriqui, Y. M. Terry-McElrath & M. S. Mulatu.** (2012). Drug Treatment Program Ownership, Medicaid Acceptance, and Service Provision. *Journal of Substance Abuse Treatment*, 42 (2), 116-124.

BIOLOGY

- H. T. Goodwin** and K. Bullock. 2012. Estimates of body mass for fossil giant ground squirrels, genus *Paenemarmota*. *Journal of Mammalogy* 93:1169-1177.
- B. Kisser and **H. T. Goodwin.** 2012. Hibernation and overwinter body temperatures in free-ranging thirteen-lined ground squirrels, *Ictidomys tridecemlineatus*. *American Midland Naturalist* 167:396-409.
- D. L. Cowles, J. G. Galusha, and **J. L. Hayward.** 2012. Negative interspecies interactions in a Glaucous-winged gull colony on Protection Island, Washington. *Northwestern Naturalist* 93:89-100.
- M.R. Sapio, A. Salzman, M. Vessaz, A. Crespel, **P. J. Lyons**, A. Malafosse, L.D. Fricker. (2012) Naturally occurring carboxypeptidase A6 mutations: effect on enzyme function and association with epilepsy. *J. Biol. Chem.* doi:10.1074/jbc.M112.414094.
- L.D. Fricker and **P. J. Lyons.** (2012) Carboxypeptidase A6. *Handbook of Proteolytic Enzymes*, Rawlings, N.D. and Salvesen, G.S., editors.
- Boon-Chai Ng, Craig Bradfield, Roy Pritish, **Marlene Murray.** Potential Fiberboard Material From Cow Manure and Disposable Water Bottle. Supplemental Proceedings: Volume 1: Materials Processing and Interfaces TMS (The Minerals, Metal & Materials Society), 2012.

CHEMISTRY

- D. H. Murray.** "Early Matters." *Journal of Experimental Secondary Science*, July 2012, Volume 2, Issue 1 (http://www.jes2s.com/murray_editorial.html).

COMMUNICATION

- D. L. Vernon.** *Adventist World Radio Is On The Air: A Case Study of Tanzania*, Lambert Academic Publishing. Permalink: <http://amzn.com/3659218219>.
- D. L. Vernon.** *International Religious Radio Broadcasting: The reactions of local listeners to a global message*, Michigan Academician.

ENGINEERING & COMPUTER SCIENCE

- G. S. Agoki.** *Engineering Graphics with AutoCAD/Inventor CREO Elements/Pro and SolidWorks*, Fourth Edition, George S. Agoki, PhD ISBN-978-0-9841461-4-7, 2012.
- B. C. Ng and G. S. Agoki.** "Graphics Educations Are Needed For Upper Division Mechanical Engineering Design Classes" 66th Engineering Design Graphics Division Mid-Year Conference Proceeding, Galveston, Texas, pp. 188-197, 2012.
- G. S. Agoki, and B. C. Ng.** "Using First Year Engineering Graphics Course for Student Outcomes and Assessment" 66th Engineering Design Graphics Division Mid-Year Conference Proceeding, Galveston, Texas, pp. 98-108, 2012.
- G. S. Agoki & C. Dias.** (2012) "Use of the Simulation Approach to Determine the Completion Time and Associated Probability in Senior Design Projects in Undergraduate Engineering Programs." ProMAC 2012, 6th International Conference on Project Management, Honolulu, Hawaii, U.S.A.
- A. Blankman, E. Bogatin, and **D. DeGroot,** "A Practical Approach for Using Circuit Board Qualification Test Results to Accurately Simulate High Speed Serial Link Performance," DesignCon 2012 Conf. Dig., Feb. 2012.
- D. DeGroot, K. Doshi, D. Dunham,** "De-embedding in high speed design," DesignCon 2012 Conf. Dig., Feb. 2012.
- B. C. Ng, G. Lovhoiden, K. Sompalli, T. Williams:** An Evaluation of the Electrical Resistance of a Di-electric Electro-active Polymer Undergoing a Series of Stress-relaxation Cycles, 2012 Hawaii University International Conferences Education, Math & Engineering Technology. 2012.
- G. Lovhoiden.** CA2518315: IMAGING SYSTEM USING DIFFUSE INFRARED LIGHT An imaging system that illuminates body tissue with infrared light to enhance visibility of subcutaneous blood vessels and generates video images of the body tissue and the subcutaneous blood vessels based on reflected infrared light.
- G. Lovhoiden.** EP2207482: IMAGING SYSTEM USING INFRARED LIGHT An imaging system is disclosed for imaging buried structure, typically vasculature, below the surface of an object which can be skin, fat deposits, or other material and for projecting an image of the buried structure onto the surface of the object.
- G. Lovhoiden.** HK 1115791: PROJECTION OF SUBSURFACE STRUCTURE ONTO AN OBJECT'S SURFACE. An imaging system illuminates an object with infrared light to enhance visibility of buried structures beneath the surface of the object, and projects a visible image of the buried structure onto the surface of the object.
- G. Lovhoiden.** US8078263: PROJECTION OF SUBSURFACE STRUCTURE ONTO AN OBJECT'S SURFACE. An imaging system illuminates an object with infrared light to enhance visibility of buried structures beneath the surface of the object, and projects a visible image of the buried structure onto the surface of the object.
- Boon-Chai Ng and Arnold Chand.** "Casting Made Easy with 3-D Prints", 2012 Hawaii University International Conferences Education, Math & Engineering Technology, Conference Proceeding, ISSN #2166-420X (Online), ISSN #2166-4218 (CD-ROM).

Boon-Chai Ng, Craig Bradfield, Roy Pritish, and Marlene Murray. "Potential Fiberboard Material from Cow Manure and Disposable Water Bottle", TMS 2012 Conference Proceeding

ENGLISH

I. Davis. "What's in a Coauthor?: (Re)Locating Joseph Denney in Composition History." *Composition Studies* 40.1 (Spring 2012): 78-94. Print.

E. Julia Kim. (2012). Providing a sounding board to second language writers. *TESOL (Teaching English to Speakers of Other Languages) Journal*, 33.1, 33-47.

Eun Young Julia Kim. (2012). Creative adoption: Trends in Anglicisms in Korea. *English Today*, 28.2, 15-17.

HISTORY

Brian E. Strayer. Review of Nicholas Miller, *The Religious Roots of the First Amendment: Dissenting Protestants and the Separation of Church and State* (Oxford: Oxford University Press, 2012). In *Andrews University Seminary Studies* 50 (Autumn 2012): 320-322.

Brian E. Strayer. Review of Nicolas Lyon-Caen. *La boîte à Perrette: Le jansenisme parisien au XVIII siècle* (Paris: Albin Michel, 2010). In on-line edition of *French History* (Autumn 2012).

LIBRARY

K. M. Demsky. Environmental Design Research Association Annual Bibliographic Publication – EDRA 43. 44 pages.

K. M. Demsky. "Waldensian Tour Guide." Compiled and written by Kathleen M. Demsky. Includes Photos – 27 pages.

James Ford. "101 Questions About Ellen White and Her Writings." Review of 101 Questions About Ellen White and Her Writings, by William A. Fagal. Ministry, February 2012.

Marianne Kordas. Program notes. For Camerata Milwaukee concert. Milwaukee, WI: 15 December 2012.

Marianne Kordas. Program notes. For Camerata Milwaukee concert. Milwaukee, WI: 27 October 2012.

Marianne Kordas. Program notes. For Camerata Milwaukee concert. Milwaukee, WI: 13 September 2012.

Linda Mack. Program notes for the Howard Series: Carla Trynchuk & Chi Yong Yun Concert, Berrien Springs MI, January 28, 2012. Leclair "Sonata in D Major, Op. 9, No. 3;" Saint-Saëns "Sonata No. 1 in D Minor, Op. 75;" Franck "Sonata in A Major."

Linda Mack. About the Music. Program Notes for the Andrews University Symphony Orchestra Concert, Berrien Springs MI, February 4, 2012. Vivaldi "The Four Seasons, Op. 8, 1-4;" Tchaikovsky "Romeo and Juliet" (Overture-Fantasia); Buxtehude/Chavez "Chaconne in E minor, BuxWV 160."

Linda Mack. About the Music. Program Notes for the Andrews University Symphony Orchestra Concert, Berrien Springs MI, April 14, 2012. Beethoven "Symphony No. 7 in A Major;" Brahms "Concerto for Violin and Orchestra in D Major, Op. 77."

Linda Mack. Program notes for the Howard Series: American Piano Quintet Concert, Berrien Springs MI, September 22, 2012. Brahms "Piano Quintet in F minor, Op. 34;" Haken "Tao Suite for five-string violin, cello and piano;" Dvorák "Piano Quintet in A Major, Op. 81 (Dumky)."

Linda Mack. About the Music. Program Notes for the Andrews University Symphony Orchestra Concert, Berrien Springs MI, October 27, 2012. Dvorák "Slavonic Rhapsody No. 1 in D Major, Op. 45;" Stravinsky "Berceuse and Finale" from *Firebird*; Rachmaninoff "Piano Concerto No. 2 in C minor, Op. 18."

Linda Mack. Program notes for the Howard Series: Carla Trynchuk & Chi Yong Yun, Berrien Springs MI, November, 2012. Beethoven "Sonata No. 2 in A Major, Op. 12, No. 2;" Chopin/Sarasate "Nocturne, Op. 9, No. 2;" Kreisler "Liebesleid;" Brahms "Sonatensatz;" Vaughan Williams "The Lark Ascending;" Fauré "Sonata

No. 1 in A Major, Op. 13."

Linda Mack. Program notes for the Howard Series: Jennifer Koh, Bach and Beyond--part II. Berrien Springs, MI, November 18, 2012. Bach "Partita No. 1 in B minor;" Kline "Partita for Solo Violin;" Bach "Sonata No. 1 in G minor;" Bartók "Sonata for Solo Violin."

Silas M. Oliveira. (2012). "E-textbooks usage by students at Andrews University: A study of attitudes, perceptions, and behaviors." *Library Management*, London, v.33, iss:8/9, pp. 536-560.

T. D. Robertson. "The Implications of Arminius' Understanding of the Intellect on Knowledge Exchange Strategies in the Mission of the SDA Church." *Journal of the Adventist Theological Society* 23, no. 1 (2012): 76-95.

MATHEMATICS

S. M. Henson. 2012. Phase Plane Analysis. In *Encyclopedia of Theoretical Ecology*, A. Hastings and L. Gross (editors), University of California Press, Berkeley, pp. 538-545.

J. M. Cushing and **S. M. Henson**. 2012. Stable bifurcations in semelparous Leslie models. *Journal of Biological Dynamics* 6:80-102.

J. H. Kang. Perturbation of a Nonlinear Elliptic Biological Interacting Model with Multiple Species, *Communications in Mathematics and Applications*, Vol. 2(2011), No. 2-3, pp. 61-76.

MUSIC

C. A. Flores. "Early Developments of Harmonic Theory in the New World: Reflections on Two 17th-Century Mexican Treatises." Published in the 2012 Hawaii University International Conference on Arts and Humanities Conference Proceedings, January 10, 2012. Publication: ISSN 21629188, ISSN 2162-91X (Online).

PHYSICS

U. V. Valiev, J. B. Gruber, and **G. W. Burdick**. Magneto-optical Spectroscopy of the Rare-Earth Compounds: Development and Application (Scientific Research Publishing, USA, 2012). Reviewed by, I. S. Edelman, *J. Electromagnetic Analysis and Applications*, 4, 216-217 (2012).

G. W. Burdick and R. Hefferlin. Data Location in a Four-Dimensional Periodic System of Diatomic Molecules, *Chemical Information and Computational Challenges in the 21st Century*, M. V. Putz, ed. (Nova Science Publishers, Hauppauge, NY, 2012), Chapter 7, pp. 197-212.

Uygun V. Valiev, John B. Gruber, **Gary W. Burdick**, Vasilij O. Pelevonich, and Mariya E. Malysheva. Magneto-optics of magnetic-dipole transitions in the rare-earth paramagnetic garnets, *Optics and Spectroscopy* 112, 857-863 (2012); *Оптика и Спектроскопия*, 112, 928-934 (2012).

John B. Gruber, **Gary W. Burdick**, Ulrich Vetter, Brandon Mitchell, Volkmar Dierolf, and Hans Hofsäss. Crystal field and Zeeman splittings for energy levels of Nd³⁺ in hexagonal AlN, *Opt. Mater. Express*, 2, 1176-1185 (2012).

John B. Gruber, Ulrich Vetter, **Gary W. Burdick**, Zackery D. Fleishman, Larry D. Merkle, Takashi Taniguchi, Yuan Xiaoli, Takashi Sekiguchi, Daniel Jürgens, and Hans Hofsäss. Analysis of the spectra of trivalent erbium in multiple sites of hexagonal aluminum nitride, *Opt. Mater. Express*, 2, 1186-1202 (2012).

Gary Burdick. Andrews Autumn Conference: Faith and reason united in the search for knowledge, *Covalence Magazine*, November 2012, published online: <http://www.elca.org/What-We-Believe/Social-Issues/Faith-Science-and-Technology/Covalence-Features/Andrews-Autumn-Conference.aspx>.

Gary Burdick. (book review), Lennox, John C., *God and Stephen Hawking: Whose Design Is It Anyway?* Andrews University Seminary Studies, 50, 316-318 (Autumn 2012).

Faculty Research and Creative Activity Report

JANUARY–DECEMBER 2012

- S. Mastel, S. E. Grefe, **G. B. Cross**, A. Taber, S. Dhuey, S. Cabrini, P. J. Schuck, Y. Abate. "Real-space mapping of nanoplasmonic hotspots via optical antenna-gap loading," *Applied Physics Letters*, vol. 101, no. 13, pp. 131102-131102-4, Sep 2012.
- M. C. K. Mattingly**. H1 and ZEUS Collaboration; F.D. Aaron et al. Combined inclusive diffractive cross sections measured with forward proton spectrometers in deep inelastic ep scattering at HERA DESY-12-100 (June 2012) *Eur. Phys. Journal C* 72(2012) 2175, DOI: 10.1140/epjc/s10052-012-2175-y.
- M. C. K. Mattingly**. ZEUS Collaboration; H. Abramowicz et al. Search for First-Generation Leptoquarks at HERA DESY-12-077 (May 2012) *Phys. Rev. D* 86, 012005 (2012).
- M. C. K. Mattingly**. ZEUS Collaboration; H. Abramowicz et al. Inclusive-jet Photoproduction at HERA and determination of α_s at HERA DESY-12-045 (March 2012) *Nucl. Phys. B* 864 (2012), pp. 1-37.
- M. C. K. Mattingly**. ZEUS Collaboration; H. Abramowicz et al. Exclusive Electroproduction of two Pions at HERA DESY-11-220 (November 2011) *Eur. Phys. J. C* 72 (2012) 1869.
- M. C. K. Mattingly**. ZEUS Collaboration; H. Abramowicz et al. Scaled Momentum Distributions for K^0_s and Λ /anti- Λ in DIS at HERA DESY-11-205 (November 2011), *Journal of High Energy Physics* 3 (2012) 20, *JHEP* 03 (2012) 020; DOI 10.1007/JHEP03(2012)020.
- M. C. K. Mattingly**. ZEUS Collaboration; H. Abramowicz et al. Search for Single-Top Production in ep Collisions at HERA DESY-11-204 (November 2011) *Phys. Lett. B* 708 (2012) 27-36.
- M. C. K. Mattingly**. ZEUS Collaboration; H. Abramowicz et al. Measurement of the t dependence in exclusive photoproduction of Upsilon (1S) mesons at HERA DESY-11-186 (October 2011) *Phys. Lett. B* 708 (2012) 14-20.
- J. Abadie, **T. Summerscales**, et al. "Search for gravitational waves associated with gamma-ray bursts during LIGO science run 6 and Virgo science runs 2 and 3", *Astrophysical Journal*. 760 (2012) 12, arXiv/1205.2216.
- P. A. Evans, **T. Summerscales**, et al. "Swift follow-up observations of candidate gravitational-wave transient events", *The Astrophysical Journal Supplement Series*, 203 (2012) 28, arXiv/1205.1124.
- J. Aasi, **T. Summerscales**, et al. "The characterization of Virgo data and its impact on gravitational wave searches", *Classical and Quantum Gravity* 29 (2012) 155002, arXiv/1203.5613.
- J. Abadie, **T. Summerscales**, et al. "All-sky search for gravitational-wave bursts in the second joint LIGO-Virgo run", *Phys. Rev. D* 85 (2012) 122007, arXiv/1202.2788.
- J. Abadie, **T. Summerscales**, et al. "Implications for the origin of GRB 051103 from LIGO observations", *Astrophysical Journal*. 755 (2012) 2, arXiv/1201.4413.
- J. Abadie, **T. Summerscales**, et al. "First low-latency LIGO+Virgo search for binary inspirals and their electromagnetic counterparts", *Astron. & Astrophys* 541 (2012) A155, arXiv/1112.6005.
- J. Abadie, **T. Summerscales**, et al. "Upper Limits on a stochastic gravitational-wave background using LIGO and Virgo interferometers at 600-1000Hz", *Phys. Rev. D* 85 (2012) 122001, arXiv/1112.5004.
- J. Abadie, **T. Summerscales**, et al. "Search for gravitational waves from intermediate mass binary black holes", *Phys. Rev. D* 85 (2012) 102004, arXiv/1201.5999.
- J. Abadie, **T. Summerscales**, et al. "Search for gravitational waves from low mass compact binary coalescence in LIGO's sixth science run and Virgo's science runs 2 and 3", *Phys. Rev. D* 85 (2012) 082002, arXiv/1111.7314.
- J. Abadie, **T. Summerscales**, et al. "All-sky search for periodic gravitational waves in the full S5 LIGO data", *Phys. Rev. D* 85 (2012) 022001, arXiv/1110.0208.
- J. Abadie, **T. Summerscales**, et al. "Implementation and testing of the first prompt search for gravitational wave transients with electromagnetic counterparts", *Astron. & Astrophys.* 539 (2012) A124, arXiv/1109.3498.

RELIGION

- E. H. Gallos**. Dissertation Abstract: Katpausij and Sabbatismoj in Hebrews 4. Published in: Andrews University Seminary Studies 50(2012):67-68.
- E. H. Gallos**. (book review) O'Brian, Peter T. *The Letter to the Hebrews. Pillar New Testament Commentary*. Grand Rapids: Eerdmans, 2010. Published in: Andrews University Seminary Studies 50 (2012):106-109.
- E. H. Gallos**. (book review) Von Stiegel, Herta and Gina Smith. *The Mountain Within: Leadership Lessons and Inspiration for Your Climb to the Top*. New York: McGraw-Hill, 2011. Published in: Andrews University Seminary Studies 50 (2012):130-131.
- E. H. Gallos**. (book review) Von Stiegel, Herta and Gina Smith. *The Mountain Within: Leadership Lessons and Inspiration for Your Climb to the Top*. New York: McGraw-Hill, 2011. Published in: *Journal of Applied Christian Leadership* 5 (2011):108-110.
- A. Jeronic**. "The Liminal Church: Exilic Consciousness and Adventist Theopolitics" *Andrews University Seminary Studies* 50 (2012), 207-222.
- R. Muñoz-Larrondo**. *A Postcolonial Reading of the Acts of the Apostles*. *Studies in Biblical Literature* 147. New York: Peter Lang, 2012.
- P. Petersen**. *The Biblical Doctrine of Creation in In the Beginning: Science and Scripture Confirm Creation*. Edited by Bryan Ball. Pacific Press, 2012.
- A. Rahel Schafer**. "Stewardship as a Privilege: The Earth is the Lord's and Everything in It" *Adventist World* (August, 2012): 22-23. <http://www.adventistworld.org/article/1301/resources/english/issue-2012-1008/stewardship-as-a-privilege?search=Schafer>.
- A. Rahel Schafer**. "Does God Care about Oxen?" *Perspective Digest* 17, no. 3 (2012). <http://www.perspectivedigest.org/article/78/archives/17-3/does-god-care-about-oxen?search=schafer>.

SOCIAL WORK

- M. Diaconu & **L. Racovita-Szilagyi**. (2012). *Refugees and HIV/AIDS*. In Segal, U.A. & Elliott, D. (Eds). *Refugees Worldwide*. Vol. 2. Santa Barbara, CA: ABC-CLIO, LLC.
- C. J. VanderWaal**, E. I. Hernandez, & A. R. Sandman. (2012). The gatekeepers: Clergy involvement in referrals and collaboration with mental health and substance abuse professionals. *Journal of Social Work and Christianity*, 39(1), 27-51.
- A. Baltazar, G. Hopkins, D. C. McBride, **C. J. VanderWaal**, S. Pepper, & S. Mackey. (2012). Parental Influence on Inhalant Use. *Journal of Child and Adolescent Substance Abuse*. 22 (1), 25-37.
- J. Gavin, W. Ellis, & **C. J. VanderWaal**. (2012). Checking the Political Pulse of the University: Findings from the 2012 SDA Religion and Social Issues Survey. *Spectrum*, 40(4), 52-64.

PRESENTATIONS AND PERFORMANCES

BEHAVIORAL SCIENCES

- K. G. D. Bailey**. (2012, August 5-8). An Adventist approach to cognitive science. Paper presented at the 2012 North American Division Teachers' Convention, Nashville, TN.

- R. Bailey, J. K. Montagano, & **K. G. Bailey**. (2012, May 3-5). Gender differences in math and test anxiety. Paper presented at the 84th Annual Meeting of the Midwestern Psychological Association, Chicago, IL.
- Montagano, J. K., Bailey, R., & **Bailey, K. G.** (2012, May 3-5). Math and test anxiety across ethnicities. Paper presented at the 84th Annual Meeting of the Midwestern Psychological Association, Chicago, IL.
- J. Henry & **K. G. D. Bailey**. (2012, May 3-5). A new implicit measure of guilt and God concept. Poster presented at the Psi Chi session of the 84th Annual Meeting of the Midwestern Psychological Association, Chicago, IL.
- D. Moskala, A. Vitug, J. Henry, **K. G. D. Bailey**. (2012, May 3-5). Active procrastination, time perspective, and academic self-regulation in university students. Poster presented at the Psi Chi session of the 84th Annual Meeting of the Midwestern Psychological Association, Chicago, IL.
- A. Pelkey, A. Lashley & **K. G. D. Bailey**. (2012, May 3-5). Factors affecting ego-depletion. Poster presented at the Psi Chi session of the 84th Annual Meeting of the Midwestern Psychological Association, Chicago, IL.
- L. Swaningson & **K. G. D. Bailey**. (2012, May 3-5). Use of applied behavior analysis with autistic children. Poster presented at the Psi Chi session of the 84th Annual Meeting of the Midwestern Psychological Association, Chicago, IL.
- A. Baltazar**. Parental influence on college student health risk behavior. National Christian Counseling Conference September 27-29, 2012. Branson, MO.
- A. Baltazar and D. McBride**. My body is God's temple: Self-identified reasons for not engaging in risk behaviors among Adventist young adults. Towards New Horizons in Adventist Research: the First Conference of SDA Human-Subject Researchers. November 12-13, 2012. Berrien Springs, MI.
- A. Baltazar, D. McBride & C. VanderWaal**. (2012, November 12-13). Risk and Protective Factors in Students Use of Alcohol and Engaging in Sexual Activity. Towards New Horizons in Adventist Research First Conference of SDA Human-Subject Researchers.
- A. Baltazar, D. McBride**. (2012, September 27-29). Parental & Religiosity Influences on Alcohol Use & Sexual Behaviors Among Christian College Students. National Christian Counselors Conference. (Poster presentation).
- H. Burnett**. (2012, December 6-7). Understanding critical incident stress management. Workshop conducted at the 2012 Michigan Citizen Corps Training Conference, Traverse City, MI.
- R. Chelbegean**. (2012) Spouses' Perception of Gender Roles in the Context of Immigration: A Grounded Theory. Adventist Association of Family Life Professionals – Research Forum. SDA Theological Seminary, Andrews University, July 22, 2012.
- A. Corea. (**Herbert W. Helm, Jr.**, Faculty Sponsor). Poverty: An Analysis of Attributions and Solutions. A poster presented at the 84th Annual Meeting of the Midwestern Psychological Association (Psi Chi Poster Session), Chicago, IL, May 3-5, 2012.
- H. W. Helm, Jr. & K. G. D. Bailey**. (2012, January 3-6). Students' perception of the usefulness of a professional conference. Poster presented at the 34th National Institute on the Teaching of Psychology, St. Petersburg Beach, FL.
- H. W. Helm, Jr. & K. G. D. Bailey**. "Eye Tracking and Art: A Case Study of Integrating Innovations in Research in the Undergraduate Classroom." Affiliated Meeting of The Society for the Teaching of Psychology, at the Eighty-fourth Annual Meeting of the Midwestern Psychological Association, Chicago, IL, May 3-5, 2012.
- H. W. Helm, Jr.** The Michiana Annual Art Competition, Box Factory for the Arts, St. Joseph, MI, June 15, 2012. Elephant in Color, original watercolor.
- H. W. Helm, Jr.** Michigan Water Color Society, Lansing Art Gallery and Education Center, Lansing, MI, May 4, 2012. Cta, original watercolor, Golden Artist Colors Gift Certificate.
- H. W. Helm, Jr.** Art Barn Nineteenth Annual Juried Art Exhibition, Art Barn, Valparaiso, IN, April 28-June 18, 2012. Buddhist Prayers, original watercolor, Honorable Mention.
- Gary Hopkins** and Kathryn Conopio, The Context of Family Dinners – American Society of Criminology, Chicago, Illinois, November 15-17, 2012.
- O. S. LaBianca**. "Deep Time at Tall Hisban" presented to the Exploring Digital Archaeology Workshop. La Jolla, CA: University of California at San Diego. February 4, 2012.
- O. S. LaBianca**. "Global History and the Archaeology of the Eastern Mediterranean: Towards a Grand Narrative that Can Build Bridges between ANE Specialists and Specializations." Presented to the Session entitled "Archaeology of the Southern Levant II" at the Annual Meeting of the American Schools of Oriental Research, Chicago, November 16, 2012.
- O. S. LaBianca**. "The Tall Hisban Cultural Heritage Project, Jordan: Report on Excavation and Restoration Work in 2011-2012" (with Robert Bates and Jeffrey Hudon). Presented to the Session entitled "Archaeology of Jordan I: Bronze and Iron Ages" at the Annual Meeting of the American Schools of Oriental Research, Chicago, November 16, 2012.
- O. S. LaBianca**. "Dealing with Difficult Content: Origins, Religions and Philosophy." Andrews University Faculty Institute August 16-17, 2012.
- O. S. LaBianca**. "Jordan Field School Hisban 2012" Presentation to Andrews University Alumni Weekend. Siegfried H. Horn Lectureship Series. September 27, 2012.
- O. S. LaBianca**. "Archaeology in Jordan: A Round Table Panel Discussion" Siegfried H. Horn Museum Lectureship Series. November 12, 2012.
- O. S. LaBianca**. "Archaeology Workshop" Curious Kids Museum, St. Joseph, MI, July 09, 2012.
- L. Matthews, M. Green, C. Perrone**. Topic: Family Dinner Participation and Adolescent Suicidal Ideation. Presented at the American Society of Criminology Annual Meeting, Chicago, Illinois, November 15-17, 2012.
- D. McBride, J. Thayer, A. Baltazar, R. Chelbegean**. Family Dinners and Victimization. Presented at the American Society of Criminology Annual Meeting, Chicago Illinois, November 15-17, 2012.
- J. Raveloharimisy**. "Informal Institutions in Madagascar and Cyclical Political Crises", April 12-15, 2012, Chicago, IL. 68th Midwest Political Science Association Annual National Conference.
- J. Raveloharimisy**. "Cooperation between the U.S. and Diaspora Communities: Implications for Development and Foreign Policy", April 12-15, 2012, Chicago, IL. 68th Midwest Political Science Association Annual National Conference.
- J. Raveloharimisy**. "Formalizing the Informal: Analysis of the Formalization of Informal Institutions in Madagascar", Nov. 29 – Dec. 1, 2012. Philadelphia, PA. 57th Annual Meeting of the African Studies Association Conference.

BIOLOGY

- Gordon Atkins**, Tori Steely and Ioana Danci, Keith Snyder. (2012) Geographic Variation in the Calling Song of *Gryllus pennsylvanicus*. Presented at Michigan Academy of Science, Arts, & Letters, Annual Conference, Alma College, Alma MI, March 2, 2012.

Faculty Research and Creative Activity Report

JANUARY–DECEMBER 2012

- Lauren Van Putten and **Gordon Atkins**. (2012) Intraindividual Variation in the Calling Songs of the Cricket *Gryllus pennsylvanicus*. Presented at Michigan Academy of Science, Arts, & Letters, Annual Conference, Alma College, Alma MI, March 2, 2012.
- Amanda Sandler, John Ahn and **Gordon Atkins**. (2012) Effect of Circadian Rhythms and Light Intensity on Phonotactic Selectivity of Female Crickets (*Acheta domesticus*). Presented at Michigan Academy of Science, Arts, & Letters, Annual Conference, Alma College, Alma MI, March 2, 2012.
- Kristin Chung, Esther Cha, Cristy Creighton and **Gordon Atkins**. (2012) Evaluating the Role of Prothoracic Modulators Controlling the Phonotactic Response of the Female Cricket *Acheta domesticus*. Presented at Michigan Academy of Science, Arts, & Letters, Annual Conference, Alma College, Alma MI, March 2, 2012.
- Ashley Groeneweg, Andrews University; Benjamin Navia, Kettering College; **Gordon Atkins**. (2012) Effects of Histamine and Antihistamine on the L3 Auditory Interneuron in the Prothoracic Ganglion of the Common European House Cricket (*Acheta domesticus*). Presented at Michigan Academy of Science, Arts, & Letters, Annual Conference, Alma College, Alma MI, March 2, 2012.
- Lauren Martin, Sunny Kim and **Gordon Atkins**. (2012) Hormonal Control of Phonotactic Selectivity in the Supraesophageal Ganglion of Female Crickets Presented at Michigan Academy of Science, Arts, & Letters, Annual Conference, Alma College, Alma MI, March 2, 2012.
- B. Navia, A. Groeneweg, J. Stout, **G. Atkins**. (2012) Changes in the selectivity of phonotaxis and its neuronal correlates in response to prothoracic nano-injection of modulators in female cricket *Acheta domesticus*. *Front. Behav. Neurosci.* Conference Abstract: Tenth International Congress of Neuroethology, College Park, MD, August 5-10, 2012, doi: 10.3389/conf.fnbeh.2012.27.00332.
- W. J. Jang, **H. T. Goodwin**, B. H. Passey, and B. Kissler. 2012. Stable isotope analysis of incisor enamel in thirteen-lined ground squirrels (*Ictidomys tridecemlineatus*). Michigan Academy of Science, Arts & Letters, Alma College, Alma, Michigan, March 2, 2012.
- J. D. Cowles, S. M. Henson, and **J. L. Hayward**. 2012. A mathematical approach to predicting harbor seal haul-out. Poster presentation, Annual Meeting, Society for Northwestern Vertebrate Biology, Hood River, Oregon, 20-23 March.
- S. M. Henson, **J. L. Hayward**, J. D. Cowles, and M. W. Chacko. 2012. Dynamics of harbor seal haulout. Annual Meeting of Michigan Academy of Science, Arts, and Letters, Alma College, Alma, Michigan, 2 March.
- B. G. Payne, **J. L. Hayward**, S. M. Henson, and L. C. Megna. 2012. Dynamics of Galápagos marine iguana haul-out. Annual Meeting of Michigan Academy of Science, Arts, and Letters, Alma College, Alma, Michigan, 2 March.
- J. L. Hayward**. 2012. Eggshell taphonomy as a tool for reconstructing ancient environments. Annual Meeting of Michigan Academy of Science, Arts, and Letters, Alma College, Alma, Michigan, 2 March.
- M. McCormick, S. Henson, and **J. Hayward**. 2012. Gull egg mass as a function of length and width. Annual Meeting of Michigan Academy of Science, Arts, and Letters, Alma College, Alma, Michigan, 2 March.
- L. M. Weldon, **J. L. Hayward**, S. M. Henson, L. C. Megna, B. G. Payne, and A. E. Moncrieff. 2012. Effects of nest location, timing, clutch size, and other factors on hatching success in Glaucous-winged Gulls. Annual Meeting of Michigan Academy of Science, Arts, and Letters, Alma College, Alma, Michigan, 2 March.
- L. Megna, A. E. Moncrieff, **J. L. Hayward**, and S. M. Henson. 2012. Hybridization and reproductive success of gulls in the *Larus glaucescens-occidentalis* complex at an inland colony. Annual Meeting of Michigan Academy of Science, Arts, and Letters, Alma College, Alma, Michigan, 2 March.
- P. S. Litvak**. Physical Fitness & Cognition, AU Health & Fitness Symposium, May 10, 2012
- P. Lyons**. Gordon Research Conference on Proprotein Processing, Trafficking, and Secretion, New London, NH, July 17, 2012: "Metallo-carboxypeptidases from A to Z."

CHEMISTRY

- R. Hayes**. Michigan Academy of Science, Arts, & Letters, Annual Conference, March 2, 2012 in Alma, MI "Simultaneous Hydroxyl Number Determination and Moisture Analysis of Highly Functional Polyols Using NIR Spectroscopy."
- D. H. Murray**. 2012 Building Excellence in Science and Technology (BEST) Early Research Video, May 18, 2012 (<http://www.youtube.com/watch?v=Inssnx8kCJg&list=PL71B84D82DDC70B141>).
- D. Nowack**. "Validation of Bird Flu and Human Flu Viral Haemagglutinin (HA) Multimers as Probes for the Detection of 2,3- and 2,6-Sialic Acid Bond Structures," American Society for Cell Biology meeting, Dec. 16, 2012, San Francisco, California
- Luis K. Garibay and **David W. Randall**, Determination of the pKa of Lidocaine and Derivatives Using Computational Chemistry, Michigan Academy of Science, Arts, & Letters, Annual Conference, Alma College, Alma, Michigan, 2 March, 2012.

COMMUNICATION

- M. M. Ponniah**. Sabbath School U. Hope Channel. Television and Radio. Weekly. January-December 2012.
- M. M. Ponniah**. Scriptural Pursuit. Hope Channel. Television and Radio. Weekly. January-December 2012.
- D. L. Vernon**. International Religious Radio Broadcasting: The Reactions of Local Listeners to a Global Message, Michigan Academy of Sciences, Arts, and Letters, Alma College, Alma, Michigan, March 2, 2012.

ENGINEERING & COMPUTER SCIENCE

- G. S. Agoki**. The American Society for Engineering Education/Engineering Design Graphics Division 66th Mid-Year Conference, Jan 22nd – 24th 2012, Galveston, Texas Graphics Education Needed for Upper Division Courses in Mechanical Engineering Design.
- G. S. Agoki**. The American Society for Engineering Education/Engineering Design Graphics Division 66th Mid-Year Conference, Jan 22nd – 24th 2012, Galveston, Texas, Using First Year Engineering Graphics Course for Student Outcomes and Assessment.
- G. S. Agoki**. & C. Dias. (2012) "Use of the Simulation Approach to Determine the Completion Time and Associated Probability in Senior Design Projects in Undergraduate Engineering Programs." ProMAC 2012, 6th International Conference on Project Management, Honolulu, Hawaii, U.S.A., October 3-5.
- E. Bogatin, **D. DeGroot**, and A. Blankman. "A Practical Approach for Using Circuit Board Qualification Test Results to Accurately Simulate High Speed Serial Link Performance," Presented at DesignCon 2012, Talk 13-TP6, Jan. 31, 2012.
- D. DeGroot**, K. Doshi, D. Dunham. "De-embedding in high speed design," Presented at DesignCon 2012, Talk 13-MA1, Santa Clara, Calif., Jan. 30, 2012.

- T. Zirkle, R. Huancaya, **H. J. Kwon**. Development of a novel biosensor setup of combined QCM-D and FET, ASME 2012 International Mechanical Engineering Congress and Exposition, Houston, TX, Nov. 11-15, 2012.
- H. J. Kwon**. Monitoring of conformational change of a calcium binding protein S100A5 using QCM-D sensor, American Institute of Chemical Engineers Conference, Pittsburgh, PA, Oct. 28-31, 2012.
- H. J. Kwon**. Use of COMSOL Simulation for Undergraduate Fluid Dynamics course, American Society for Engineering Education conference, San Antonio, TX, June 11-13, 2012.
- B. C. Ng**. July 31-August 2, 2012, Hawaii University International Conferences Education, Math & Engineering Technology, Hawaii An Evaluation of the Electrical Resistance of a Di-Electric Electro-Active Polymer Undergoing a Series of Stress-Relaxation Cycles.
- B. C. Ng**. July 31-August 2, 2012, Hawaii University International Conferences Education, Math & Engineering Technology, Hawaii, Casting Made Easy with 3-D Prints.
- B. C. Ng**. The American Society for Engineering Education/Engineering Design Graphics Division 66th Mid-Year Conference, Jan 22nd – 24th 2012, Galveston, Texas Graphics Education Needed for Upper Division Courses in Mechanical Engineering Design.
- B. C. Ng**. The Minerals, Metals, and Materials Society Annual Meeting, March 11-15, 2012 Potential Fiberboard Material from Cow Manure and Disposable Water Bottle.
- B. C. Ng**. The American Society for Engineering Education/Engineering Design Graphics Division 66th Mid-Year Conference, Jan 22nd – 24th 2012, Galveston, Texas, Using First Year Engineering Graphics Course for Student Outcomes and Assessment.

ENGLISH

- J. Clayburn**. "Writing Retreats: Surviving the Writing Process." Michigan College English Association. Grand Valley State University, 26 October 2012. Presentation.
- B. A. Closser**. (2012). Written teacher comments as revision scaffolding. Paper presented at the Michigan Academy of Science, Arts, and Literature. Alma College, March 2.
- V. Corredera**. "Complex Complexions: The Facial Signification of the Black Other in Lust's Dominion," Boston, MA, Shakespeare Association of America, April 4-7, 2012.
- D. A. Jones**. With Christian Bacchiocchi, Timothy Hucks, and John Musselman. "Boys Reading to Survive; Boys Reading about Survival." Michigan College English Association, Grand Rapids, Mich., Oct. 26, 2012.
- Meredith Jones Gray**. "Giving Medieval Childhood Voice in Medieval Literature." 47th International Congress on Medieval Studies, Kalamazoo, MI. 13 May 2012.
- E. J. Kim**. Trends in Anglicized Korean Words, The 18th Conference of the International Association for World Englishes, City University of Hong Kong, December 6, 2012.
- Asta Sakala LaBianca**. Oct. 26, 2012. "Surviving in English: Conversation Partners, Cultural Immersion, and the International Student" – Paper presented at Michigan College English Association Conference, Grand Valley State University.
- B. Matiko**. Annie Dillard's Mornings Like This: Found Poems and an Incarnational Theory of Language. Michigan Academy of Science, Arts, and Letters. Alma College, 2 March 2012.
- L. Monique Pittman**. "Big-Shouldered Shakespeare: Two Shrews at Chicago Shakespeare Theater." Shakespeare Association of America, Boston, MA, April 2012.

INTERNATIONAL LANGUAGE STUDIES

- Badenas, Sonia**. March 2, 2012, Michigan Academy of Arts and Sciences. Alma College, Alma, MI. "Short Stories for Teaching French."

- Badenas, Sonia**. July 6, 2012, American Association of Teachers of French. Chicago, IL. *Le Conte au service du modèle communicatif*.
- Navia, Pedro**. "Literature and Fiction in the Crime of Father Amaro: Movie and Novel". Cartagena de Indias, Columbia: XVI International Film Festival.
- Navia, Pedro**. "The Interviewer and the Narrator in the Testimonies of Elena Poniatowska". XI Congreso Internacional de Literatura Hispanica. Lock Haven University, PA.
- Navia, Pedro**. "Female Voices from Poverty in Elena Poniatowska's Testimonies." Buenos Aires, Argentina: Latin American Conference on Poverty. June 2012.
- Navia, Pedro**. "Paper Flower: Magic Realism in Egos Wolf's Characters". Panama City, Panama: 23rd Annual Conference on Latin American Drama and Literature. December 2012.

LIBRARY

- James Ford**. "Seventh-day Adventist Periodical Index." Presentation at the Adventist Resources Section of the Association of Seventh-day Adventist Librarians, Adventist International Institute of Advanced Studies, Silang, Cavite, Philippines, June 19, 2012.
- James Ford**. "Issues in Collecting and Preserving Seventh-day Adventist Materials." Presentation at the Adventist Resources Section of the Association of Seventh-day Adventist Librarians, Adventist International Institute of Advanced Studies, Silang, Cavite, Philippines, June 20, 2012.
- James Ford** and Joshua Marcoe. "Digitization at the General Conference Archives and at the Andrews University Center for Adventist Research." Presentation at the Adventist Resources Section of the Association of Seventh-day Adventist Librarians, Adventist International Institute of Advanced Studies, Silang, Cavite, Philippines, June 20, 2012.
- Cynthia Mae Helms**. "Hot Tools, Cool Results: Putting Assessment to Work." A paper presented at the 32nd Annual Conference, Association of Seventh-day Adventist Librarians, Adventist International Institute of Advanced Studies, Philippines, June 19, 2012.
- Linda Mack**. organ soloist; Chorus & Instrumentalists, David Carew, Conductor. Twin Cities Organ Concert Series. "Gloriana: Five Centuries of English Choral and Organ Music." Harbert, MI. February 12, 2012.
- Silas Oliveira** and **Lauren Matacio**. "E-book Challenges: The Experiences of ASDAL Libraries and Andrews University." A paper presented at the 32nd Annual Conference of the Association of Seventh-day Adventist Librarians, Silang, Cavite, Philippines, June 22, 2012.
- Sallie Alger and **Lauren Matacio**. "S.A.I.L.: Services to Adventist International Libraries-- Then and Now." A poster presented at the 32nd Annual Conference of the Association of Seventh-day Adventist Librarians, Silang, Cavite, Philippines, June 20, 2012.
- Silas Oliveira**. "E-textbooks usage by students at Andrews University: A study of attitudes, perceptions, and behaviors". 33rd International Association of Scientific and Technological University Libraries Conference, June 2 to 7, 2012, Singapore. (<http://docs.lib.purdue.edu/iatul/2012/papers>).
- T. D. Robertson**. Paper: "Adventist Mission and the 'Information Literate' Audience," First Symposium on Postmodern Sensitive Mission, October 18-20, 2012, Berrien Springs, MI.
- T. D. Robertson**. Poster Session: "Evaluating Sources: Information Literacy and the Epistemology of 'Testimony,'" Annual Conference of the American Theological Library Association, June 28, 2012, Scottsdale, AZ.

Faculty Research and Creative Activity Report

JANUARY–DECEMBER 2012

MATHEMATICS

- Shandelle M. Henson.** A Mathematical Model of Harbor Seal Haulout, Joint Mathematics Meetings, AMS Special Session on Mathematics in Natural Resource Modeling, Boston, MA, January 5, 2012.
- Shandelle M. Henson,** James L. Hayward, Jonathan D. Cowles, and Matthew W. Chacko. Michigan Academy of Science, Arts & Letters Conference, Environmental Science and Ecology Section, Alma College, Alma, MI, March 2, 2012.
- Brianna G. Payne, James L. Hayward, **Shandelle M. Henson,** and Libby C. Megna. Dynamics of Galápagos Marine Iguana Haul-out, Michigan Academy of Science, Arts & Letters Conference, Zoology Section, Alma College, Alma, MI, March 2, 2012.
- Melissa McCormick, **Shandelle Henson,** and James Hayward. Gull Egg Mass as a Function of Length and Width, Michigan Academy of Science, Arts & Letters Conference, Zoology Section, Alma College, Alma, MI, March 2, 2012.
- Libby C. Megna, Andre E. Moncrieff, James L. Hayward, and **Shandelle M. Henson.** Hybridization and Reproductive Success of Gulls in the *Larus glaucescens-occidentalis* Complex at an Inland Colony, Michigan Academy of Science, Arts & Letters Conference, Zoology Section, Alma College, Alma, MI, March 2, 2012.
- Iynelle M. Weldon,** James L. Hayward, **Shandelle M. Henson,** Libby C. Megna, Brianna G. Payne, and Andre E. Moncrieff. Effects of Nest Location, Timing, Clutch size, and Other Factors on Hatching Success in Glaucous-winged Gulls, Michigan Academy of Science, Arts & Letters Conference, Zoology Section, Alma College, Alma, MI, March 2, 2012.
- Jonathan D. Cowles, **S. M. Henson,** and J. L. Hayward. Society for Northwestern Vertebrate Biology, 2012 Annual Meeting, A Mathematical Approach to Predicting Harbor Seal Haul-out (poster), Hood River, OR, March 20-23, 2012.
- L. Weldon.** "Effects of Nest Location, Timing, Clutch Size, and Other Factors on Hatching Success in Glaucous-winged Gulls", Michigan Academy of Science, Arts, and Letters, Alma College, Mar. 2, 2012.

MUSIC

- C. A. Flores.** "Early Developments of Harmonic Theory in the New World: Reflections on Two 17th-Century Mexican Treatises." Presented on Sunday January 8, 2012 at 2:15 PM at the 2012 Hawaii University International Conference on Arts and Humanities.
- C. M. Gonzalez.** Friday, May 11, 2012 at 8:10 pm Seminar "Apreciacion Musical a la luz de la Iglesia Adventista" (Music Appreciation in the light of the SDA) A Una Voz, Palacio de Eventos Maracaibo, Venezuela.
- C. M. Gonzalez.** Saturday, May 12, 2012 1:45 pm Seminar "Evangelism a través de la Excelencia". (Evangelism through Excellence) A Una Voz, Palacio de Eventos, Maracaibo, Venezuela.
- C. M. Gonzalez.** Saturday, May 12, 2012 2:30 pm "Taller para directores de canto" (Workshop for music directors) A Una Voz, Palacio de Eventos, Maracaibo, Venezuela.
- C. M. Gonzalez.** Saturday, May 12, 2013 4:45 pm "Perspectiva Historica de La Música" (A historical perspective of the Music) A Una Voz, Palacio de Eventos, Maracaibo, Venezuela.
- C. M. Gonzalez.** Sunday, Jun 10, 2012 at 3:00 pm Matinee Concert conducting with the Asian Youth Orchestra at Bentley Auditorium sponsored by NEWSTART Charity Foundation of Kuala Lumpur.
- C. M. Gonzalez.** Sunday, Jun 10, 2012 at 7:00 pm Gala Concert conducting with the Asian Youth Orchestra at Bentley Auditorium sponsored by NEWSTART Charity Foundation of Kuala Lumpur.

- Alan Mitchell.** Trombone Performer with First Congregational Church Chancel Choir. St. Joseph, MI, December 23, 2012.
- Alan Mitchell.** Trombone Performer with St. Joseph Municipal Band Concerts (3:30 and 7:30 p.m.), John E.N. Howard Bandshell, St. Joseph, MI, September 3, 2012.
- Alan Mitchell.** Trombone Performer with St. Joseph Municipal Big Band Concerts (9:00 p.m.), John E.N. Howard Bandshell, St. Joseph, MI, September 2, 2012.
- Alan Mitchell.** Trombone Performer with St. Joseph Municipal Band Concerts (3:30 and 7:30 p.m.), John E.N. Howard Bandshell, St. Joseph, MI, September 2, 2012.
- Alan Mitchell.** Trombone Performer with St. Joseph Municipal Band Concerts (3:30 and 7:30 p.m.), John E.N. Howard Bandshell, St. Joseph, MI, August 26, 2012.
- Alan Mitchell.** Trombone Performer with St. Joseph Municipal Band Concerts (3:30 and 7:30 p.m.), John E.N. Howard Bandshell, St. Joseph, MI, August 19, 2012.
- Alan Mitchell.** Trombone Performer with St. Joseph Municipal Band Concerts (3:30 and 7:30 p.m.), John E.N. Howard Bandshell, St. Joseph, MI, August 12, 2012.
- Alan Mitchell.** Trombone Performer with St. Joseph Municipal Band Concerts (3:30 and 7:30 p.m.), John E.N. Howard Bandshell, St. Joseph, MI, July 29, 2012.
- Alan Mitchell.** Trombone Performer with St. Joseph Municipal Band Concerts (3:30 and 7:30 p.m.), John E.N. Howard Bandshell, St. Joseph, MI, July 15, 2012.
- Alan Mitchell.** Trombone Performer with St. Joseph Municipal Band Concerts (3:30 and 7:30 p.m.), John E.N. Howard Bandshell, St. Joseph, MI, July 8, 2012.
- Alan Mitchell.** Trombone Performer with St. Joseph Municipal Band Concerts (3:30 and 7:30 p.m.), John E.N. Howard Bandshell, St. Joseph, MI, July 4, 2012.
- Alan Mitchell.** Trombone Performer with St. Joseph Municipal Band Concerts (3:30 and 7:30 p.m.), John E.N. Howard Bandshell, St. Joseph, MI, July 1, 2012.
- Alan Mitchell.** Trombone Performer with St. Joseph Municipal Big Band Concerts (3:30 and 7:30 p.m.), John E.N. Howard Bandshell, St. Joseph, MI, June 24, 2012.
- Alan Mitchell.** Trombone Performer with St. Joseph Municipal Band Concerts (3:30 and 7:30 p.m.), John E.N. Howard Bandshell, St. Joseph, MI, June 24, 2012.
- Alan Mitchell.** Directed Wind Symphony Tour Concert. Battle Creek Adventist Academy. Battle Creek, November 16, 2012.
- Alan Mitchell.** Guest Director with St. Joseph Municipal Band Concerts (3:30 and 7:30 p.m.), John E.N. Howard Bandshell, St. Joseph, MI, September 3, 2012.
- Alan Mitchell.** Guest Clinician & Director for Michigan SDA Elementary School Honor Band Clinic. Sponsored by Michigan SDA Conference. HPAC, Berrien Springs, MI, March 7, 2012.
- Alan Mitchell.** Guest Clinician & Director for Southwest Michigan Middle School Honor Band Festival. Sponsored by Benton Harbor Schools. HPAC, Berrien Springs, MI, March 14, 2012.
- C. R. Reid.** 05/25-07/14/12 **La Bohème**, by: Puccini, role: Rodolfo, Opera Fairbanks, Fairbanks, Alaska.
- C. R. Reid.** 07/21-08/12/12 **Susannah**, by: Floyd, role: Sam Polk, Berks Opera, Reading, Pennsylvania.
- C. R. Reid.** 09/28-09/30/12 Recital: Songs of Tosti, Britten, Reid, Donizetti, Allitsen, Puccini, etc., 75th Anniversary Concert, Carthage Music Club, Carthage, Texas.
- C. R. Reid.** 10/08-10/13/12 **Requiem**, by: Dvorak, role: Tenor Soloist, Orchestre National de Lyon, Lyon, France.

- C. R. Reid.** 10/25-12/28/12 **Mathis der Maler**, by: Hindemith, role: Wolfgang Capito, Theater an der Wien, Vienna, Austria.
- T. Thompson.** "The Opera in Between the Acts" at the 22nd Annual International Conference on Virginia Woolf: Interdisciplinary/Multidisciplinary Woolf. University of Saskatchewan, June 7-10, 2012.
- C. Trynchuk.** Recital with Chi Yong Yun, Howard Performing Arts Center, January 28, 2012.
- C. Trynchuk.** Glazunov Violin Concerto with the Carson City Symphony, February 26, 2012.
- C. Trynchuk.** Brahms Violin Concerto with the Andrews University Orchestra, North Shore SDA Church, May 31, 2012.
- Trynchuk, C.** Brahms Violin Concerto with the Andrews University Orchestra, Howard Performing Arts Center, April 14, 2012.
- C. Trynchuk.** Camerata Philadelphia, Church of the Holy Trinity, Rittenhouse Square, Philadelphia, April 28, 2012 and April 29, 2012.
- C. Trynchuk.** Fernwood Recital Series with Carmen Roberts, July 8, 2012.
- C. Trynchuk.** American Piano Quintet, Howard Performing Arts Center, September 22, 2012.
- C. Trynchuk.** Recital with Chic Yong Yun, Howard Performing Arts Center, November 3, 2012.
- C. Y. Yun.** Howard Performance Series January 28th, 2012.
- C. Y. Yun.** American Piano Quintet-September 22, 2012 HPAC.
- C. Y. Yun.** Howard Performance Series November 3, 2012.
- S. Zork. Music and Worship Conference** Gesture Equals Sound. March 30, 2012.
- S. Zork. Music and Worship Conference.** LYRICS - Let Your Research Inform Choral Sound - (Singing with meaning OR Singing with feeling). March 30, 2012.
- S. Zork. Washington D.C. Concert Tour** . Andrews University Singers. Washington Adventist University and Spencerville Seventh-day Adventist Church. Mount Vernon Academy, Highland View Academy, Spencerville Adventist Academy, Takoma Academy, Washington Adventist University, Spencerville SDA Church, Takoma Park SDA Church, Pine Forge Academy, and Blue Mountain Academy. March 14-20, 2012.
- S. Zork. Good Friday Tenebrae Service.** Andrews University Singers. First Presbyterian Church in South Bend IN. April 6, 2012.
- S. Zork. Brasilia Professional Conservatory of Music Concert** . Madrigal de Brasilia. Teatro de Casa Thomas Jefferson, Brasilia, Brazil, June 20, 2012.
- S. Zork. "Creation" by Joseph Haydn.** Advent Chorale of Brasilia. Venue I: Auditorio Ulysses Guimaraes on the campus of Universidade Paulista - UNIP. Venue II: Central Seventh-day Adventist of Brasilia. June 12-24, 2012.
- S. Zork. Anniversary Concert** . Montemorelos University Chorale. 70th Anniversary Celebration of Montemorelos. November 30, 2012.
- S. Zork. Southern Adventist University.** Guest soloist with I Cantori. Evensong Vesper concert. Pioneer Memorial Church. March 10, 2012.
- S. Zork. Music and Worship Conference** . La Sierra University Chamber Choir and University Singers. 9th Annual Music and Worship Conference. Howard Center, Berrien Springs, MI. March 30, 2012.
- S. Zork (supervisor). Welcome Christmas Concert.** Howard Performing Arts Center, Berrien Springs, MI. November 30, 2012.

PHYSICS

- G. W. Burdick,** C.-K. Duan, and M. F. Reid. Beyond the Judd-Ofelt approximation: Direct calculation of the two-photon absorption spectrum of Gd³⁺:LaF₃, 8th International Conference on f-Elements, Udine, Italy, Aug 26 – 31, 2012. (Presentation honoring

Brian Judd and George Ofelt on the Golden Anniversary of the Judd-Ofelt Theory)

- G. W. Burdick.** Invited Presentation, "The Faith that Lies at the Heart of Science," Andrews Autumn Conference on Religion and Science, Andrews University, Berrien Springs, MI (Oct 20, 2012).
- C. W. Greenley, L. S. Finn, **T. Z. Summerscales.** "Application of the Maximum Entropy Method to Data from the LIGO Gravitational Wave Detectors", March 31-April 3 APS Meeting 2012, E1.00023 PDF of poster at <https://dcc.ligo.org/cgi-bin/DocDB/ShowDocument?docid=78154>.

RELIGION

- R. Muñoz-Larrondo.** "Hermenéutica y Exégesis sobre el concepto de la Ordenación," Pastoral Evangelism Leadership Conference—Hispanic Track, Oakwood University, Huntsville, AL, Dec 2-5, 2012.
- R. Muñoz-Larrondo.** "La Mujer será salvada por el nacimiento del Hijo – □□ à τῆς τεκνογονίας: Un estudio de diagramación del Griego de 1 Timoteo 2." Pastoral Evangelism Leadership Conference—Hispanic Track, Oakwood University, Huntsville, AL, Dec 2-5, 2012.
- P. Petersen.** "Unwholy" Relationships – Common Myths about the "Nature" and Identity of the Individual in the Bible." SDA World Theological Congress, Jerusalem, June 11-21, 2012.
- A. Rahel Schafer.** "Indications and Implications of a Seventh Day in Psalm 104." Paper presented at the annual meeting of the SBL. Chicago, Ill., November 18, 2012.
- A. Rahel Schafer.** "God Created Gaia: An Evangelical Response to Ecofeminism." Paper presented at the annual meeting of the ETS. Milwaukee, Wis., November 14, 2012.

SOCIAL WORK

- M. Diaconu, **L. Racovita-Szilagyi,** Kim Coleman, **S. Perry,** W. Perry. Teaching Diversity in a Global Setting. Platform Presentation. Accepted for International Conference on Diversity in Organizations, Communities and Nations, Vancouver, BC Canada. June 11-13, 2012.
- W. Perry, M. Diaconu, **S. Perry,** & **D. L. Racovita-Szilagyi,** (2012, June 11-13). Educating Future Physical Therapy Practitioners to Recognize Intimate Partner Violence Signs and Reporting Best Practices When Working with Culturally Diverse Patients: A Pilot Study. Presented at the 12th International Conference on Diversity in Organisations, Communities and Nations, Vancouver, BC, Canada.
- A. Baltazar, **C. J. VanderWaal,** D. C. McBride, & G. Hopkins. "My Body is God's Temple": Self-Identified Reasons for Not Engaging in Risk Behaviors Among Adventist Young Adults. Presented at the Towards New Horizons in Adventist Research Conference, November 12-13, 2012, Berrien Springs, MI.