



College of Arts  
& Sciences

# YEAR IN RE VIEW 13/14

AFFIRM FAITH



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 Designer: Diane Myers

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[www.andrews.edu/cas/year\\_in\\_review/](http://www.andrews.edu/cas/year_in_review/)



**DEAN'S MESSAGE**

The Association of American Colleges and Universities recently released the results of a new national survey of employers, which describes what college graduates need in order to succeed in a global economy. Employers desire a demonstrated capacity to think critically, communicate clearly, solve complex problems, and demonstrate ethical judgment, as well as proven integrity, intercultural skills, and a capacity for continued learning. The findings clearly underscore the importance of the liberal arts in the education of every student. With our fourteen departments providing 51 undergraduate and 10 graduate programs, the College of Arts and Sciences at Andrews University is well positioned to respond to these findings. The general education core courses, most of which are housed in the CAS, are central to our institutional identity and to the rich, holistic development of our students and are therefore a key part of Andrews University's transformative learning experience. Through engaging with the GE core, students are prepared for a professional and personal future that has been broadened by global diversity, deepened through a research-based culture of independent thought, and enriched by a service-focused perspective on life. A liberal education at Andrews University enables critical thinking and the capacity to put tough issues into a larger context. Our graduates develop skills to implement solutions, create fulfilling careers, serve their churches and communities, and lead rewarding lives.

Our CAS faculty members are able to provide an exceptional learning environment because of their own commitment to continued learning. Faculty and student research is an important part of the culture at Andrews University. In 2013, 72 of our faculty published 55 peer-reviewed articles, we produced 32 general publications, and we delivered 174 research presentations and 48 performances/exhibitions.

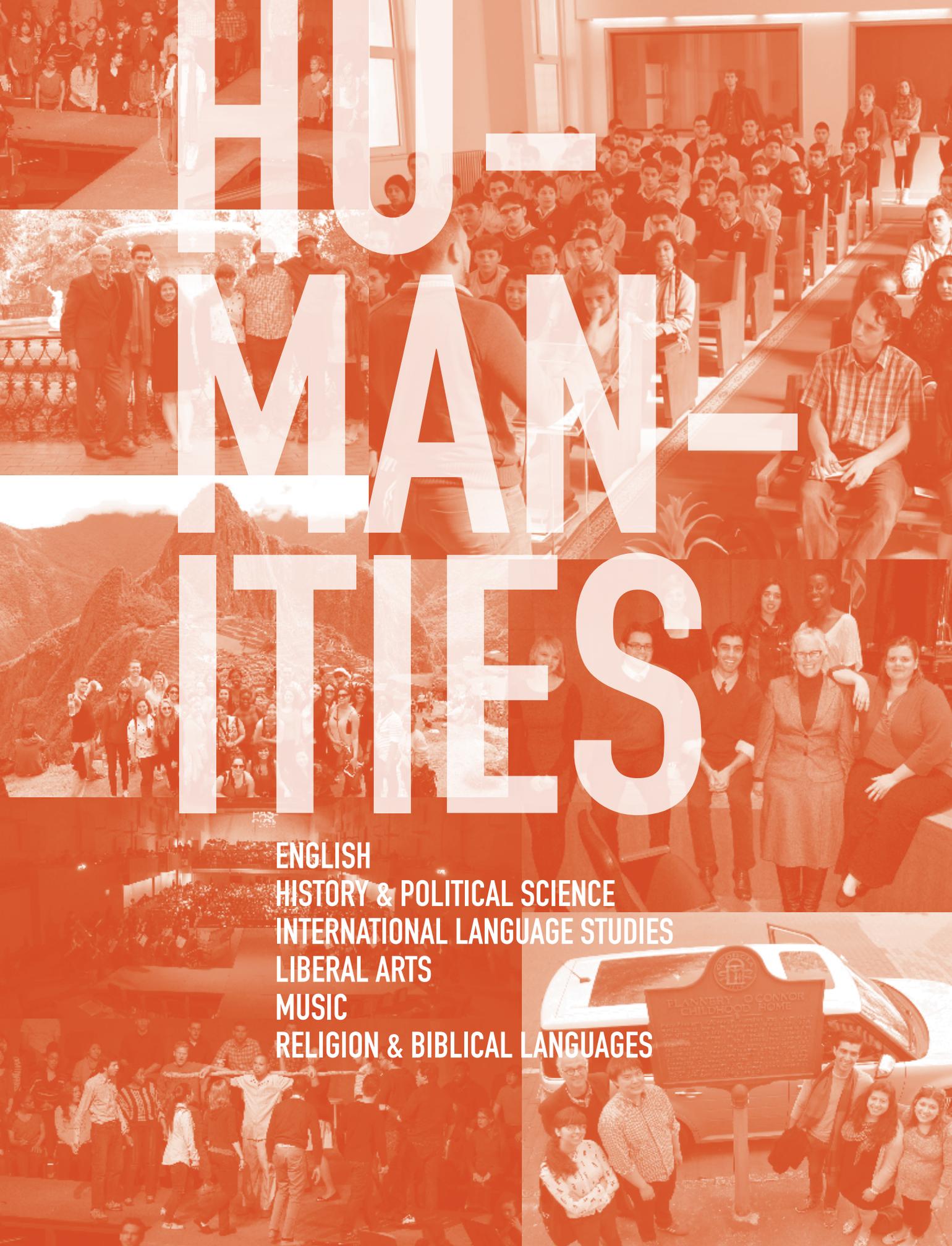
In the following pages you'll read each department's update on their year, but there are several highlights that I wanted to mention. During this past year:

- The Communication Department launched AUNews and won a national award for their *Envision* magazine.
- The Music Department masterfully delivered 75 faculty and student performances and recitals.
- The STEM Division hosted their first ever SciFest and brought in STEM-curious students from five Adventist academies, and also supported the Office of Scholarly Research in organizing the inaugural Andrews Research Conference (ARC) for early career researchers in STEM.
- The CAS sponsored study tours to Singapore (Engineering), Spain/Italy/Greece and Costa Rica (International Languages), Cuba and Lebanon (Religion), the Florida Everglades (Biology), and Peru, Madagascar, and Jordan (Behavioral Sciences), literally taking our students all over the world to learn and serve.
- Thirty-two students from the Behavioral Sciences department presented at peer-reviewed scholarly venues.
- Among his many writing achievements, Duane McBride from Behavioral Sciences found the time to co-edit a special issue of the *Journal of Adventist Education* and was elected President of the Adventist Human Subject Researchers Association.
- The English department hosted the annual conference of the Adventist English Association.
- At the *Sigma Tau Delta* 2014 conference, English major Melodie Roschman won a \$3,000 scholarship and the award for best critical paper in British and World Literature.
- One hundred percent of the full-time Biology faculty obtained research grants, and their seniors scored in the 94th percentile on the Biology senior exit exam, with 14% scoring in the 99th percentile nationally for individual scores.
- Thomas Zirkle, an Engineering graduate, was awarded a prestigious fellowship at the University of Notre Dame for his doctoral studies.
- The Seabird Ecology Team received an NSF grant of more than a half million dollars to use mathematics to study the effects of climate change on the behaviors of seabirds. This grant is a collaboration between our Andrews Math and Biology departments and the University of Arizona.

As you'll see throughout this magazine, an Andrews University degree is more than just a piece of paper you frame and hang on your wall. Our CAS programs provide the very experiences and develop the skills and tools students need to succeed as contributors and blessings to the world beyond Berrien Springs.

# HUMANITIES

ENGLISH  
HISTORY & POLITICAL SCIENCE  
INTERNATIONAL LANGUAGE STUDIES  
LIBERAL ARTS  
MUSIC  
RELIGION & BIBLICAL LANGUAGES



# DEPARTMENT OF ENGLISH

Text by Melodie Roschman, English major  
Photos by Vanessa Corredera and Scott Moncrieff



▲ Nu Sigma students visit Savannah, GA, in February to present papers at the 2014 Sigma Tau Delta Conference.



► No trip to GA would be complete for English majors without a visit to Flannery O'Connor's childhood home.



◀ English students always put on an engaging vespers program in partnership with the Music department.

**THIS SCHOOL YEAR** marked the 30th anniversary of Nu Sigma, the Andrews University chapter of Sigma Tau Delta, the International English Honors Society. The milestone saw a renaissance of activity in the organization under the leadership of Dr. Vanessa Corredera, newly named assistant professor and most recent addition to the department, and Dr. Douglas Jones, the department chair.

The two professors met regularly with Nu Sigma's six student officers to plan outings and events and promote student involvement in research and departmental activities. Fall semester they co-sponsored a trip to see Shakespeare's *Othello*, performed by actors from the London Stage at the University of Notre Dame in South Bend, Indiana. Nu Sigma also organized an autumn cookout and games night in October, and led the department in Christmas caroling and handing out homemade cards at a local nursing home.

Spring semester featured the annual Nu Sigma induction, in which new members were sworn in to the society. The event included dinner at Papa Vino's, an induction ceremony led by the officers, and a presentation by Junior English Literature major Charles Lee of his paper, "Lost Identity: Family in Marjane Satrapi's *Persepolis*." In April, members of Nu Sigma visited the Snite Museum of Art at the University of Notre Dame, then enjoyed a spirited traditional tea at Fiddler's Hearth, a local Irish restaurant.

This year also saw the successful continuation of the Nu Sigma book club, which was established last year. Open to all, the informal club met monthly to share food and hold student-led discussions of titles as diverse as *Pudd'nhead Wilson* by Mark Twain and *A Wizard of Earthsea* by Ursula K. LeGuin. The book club was "my personal favorite," says Dakota Hall, this year's vice-president. "It gave us all a chance to read something outside of class and then spend time together discussing it in a more casual setting."

Perhaps Nu Sigma's most exciting achievement this year, however, was when the two sponsors and five students – Elkid Alvarez, Matthew Chacko, Timothy Hucks, Charles Lee, and Melodie Roschman – traveled to Savannah, Georgia, in February to present papers at the 2014 Sigma Tau Delta Conference. The trip was part of the department's increased emphasis on student research; the students gained valuable experience networking, moderating, and interacting with their peers' scholarship. Students and teachers alike also enjoyed the cuisine, history, and architecture of beautiful, sunny Savannah – a welcome respite from then-frozen Berrien Springs!

"We've had such an active year," reflects Matthew Chacko, Nu Sigma treasurer and recent Andrews graduate. "Our officers and Dr. Corredera and Dr. Jones facilitated a lot of great activities... I am very proud to have been a part of Nu Sigma."

"My first 'official' year with the AU Department of English could not have been better," says Dr. Corredera. "I had the opportunity to teach bright, eager students in challenging classes, which is any teacher's dream. Two highlights include taking students to the Sigma Tau Delta National Conference in Savannah—where they gave superb paper presentations—and returning from giving birth to my son Levi to find notes, drawings, cards, and gifts from my students waiting for me! These two moments show our students at their smartest and most thoughtful. I am incredibly blessed to call the Andrews Department of English my academic home."

**THE PAST YEAR** has been a very busy one for the History and Political Science department. Students and faculty have been active in presenting their research work in department colloquiums as well as at academic conferences.

For the second year in a row, one of our History majors was awarded the Earhart Emerging Scholar Award, an award given to Andrews University juniors or seniors involved in original undergraduate research. Clifford Allen was given this award for his work on African American Civil War veterans, "Due Recompense: African American Civil War Soldiers and the United States Military Pension System." Clifford's research argues that the livelihood and quality of life of black soldiers and their families after the Civil War was adversely affected by the bureaucracy of the Federal Pension System during the period of Jim Crow. The primary goal of his research is to add a personal dimension to the statistics from secondary source material, which infers that the military pension system was prejudiced against African American soldiers. We are proud to note that Clifford will be going on to pursue graduate studies at the University of Chicago this fall.

Dr. John Markovic has been busy writing a book manuscript on the issue of Emergence Christianity. Dr. Markovic also participated in a seminar at the National Holocaust Museum, presenting "Overlooked Revolution: The Shift in Catholic Teaching on the Jews since Vatican II." In addition he presented "The Emergence Narrative of the Atonement" at the ATS symposium in Loma Linda, CA, in April 2013, and published the article "Lover or Seducer" in *Adventist Review* (June 27, 2013): 18-21.

Brian Strayer published multiple articles in the *Ellen G. White Encyclopedia* by Review & Herald press in December 2013. He also presented the paper "Little Man, Long Shadow: The Legacy of J. N. Loughborough" at the Association of SDA Historians Conference in Lincoln, Nebraska on March 22, 2013.

Dr. Kathryn Silva was very busy this year with her research, presenting three papers at conferences. She

presented "'To Earn an Honest Living: Dressmakers and Textile Workers of the National Negro Business League, 1901-1920,'" at the National Council for Black Studies Annual Conference in Indianapolis, Indiana, on March 16, 2013. As an educated, skilled, and driven workforce, black women in the textile trades combined the argument for industrial employment with entrepreneurial skill and the tradition of uplift for communities through club leadership to create the political and social environment for future civil rights struggles. Dr. Silva's second paper "Silk and Schools: African American Mill Workers and Interracial Cooperation in Fayetteville, North Carolina, 1899-1914," was presented at the Southern Labor Studies Association Conference in New Orleans, Louisiana, where she was also a panel organizer for "African American Labor and Education Activism in the Urban South." The third paper given at the Labor and Working-class History Association annual meeting in June 2013 was "African American Mill Workers and Industrial Democracy, 1918-1929," discussing the struggles of black textile workers and their use of education programs and the local NAACP chapter against Jim Crow in the years preceding the large-scale desegregation of the industry.

Dr. Marcella Myers published a book chapter as well as a coauthored book chapter in *The Other People: Interdisciplinary Perspectives on Migration*, ed. Meg Wilkes Karraker, Palgrave 2013. In addition to book chapters, Dr. Myers published an essay titled "Leading by Default: Perspectives and Challenges for Germany in Its Reluctant EU Leadership Role" in *German Studies Review Forum*. Dr. Myers also presented a conference paper at the Midwest Political Science Association meeting "The National Health Service and Private Funding Initiatives: how the private sector profits and income inequality increases," April 11-14, 2013, and presented "European Integration and Corporate Interests: the winners and losers" in October 2013 at the Germans Studies Association meeting in Denver, Colorado.

Those are the highlights of our busy year!

# DEPARTMENT OF INTERNATIONAL LANGUAGE STUDIES

Text and Photo by Pedro Navia, Chair

**THE DEPARTMENT OF** International Language Studies had an exciting school year. Many activities took place with the participation of both students and faculty members. Here are some of the highlights:

**Study Tours.** In summer 2014, two groups ventured out to different destinations. One group went to France, Switzerland, and Belgium. Students enjoyed their time in Paris visiting museums and other important sites as well as tasting the best of French cuisine. In Switzerland, students had the opportunity to visit the headquarters of the United Nations. Finally, the visit to Omaha Beach in Normandy and its American cemetery was a special moment for students. Many of them had relatives who participated in D-Day 70 years ago. It was really overwhelming to realize that so many young men came to Europe to fight for freedom.

The other group went to South America and students had the opportunity to learn about ancient civilizations while visiting the Inca ruins in Peru. Students also got acquainted with contemporary government systems by visiting the La Moneda Government Palace in Santiago, Chile, and La Casa Rosada Government Palace in Buenos Aires, Argentina. In both places, students learned about the most important episodes in the history and culture of both countries. Also, students had the opportunity to visit three wonders of the world: the Iguazu falls on the border between Argentina and Brazil, the biggest hydroelectric dam located on the border between Paraguay and Brazil, and the huge monument of Christ the Redeemer in Rio de Janeiro, Brazil. Within this four-week tour, students improved their Spanish language skills and got acquainted with Latin culture (foods, traditions, Catholicism, and much more). Finally, a stop in Brazil for a few days gave students a taste of what the soccer World Cup was going to be like later that summer since Brazilians are known to consider soccer another important religion. Streets were decorated with world cup souvenirs; TV commercials were all about the upcoming soccer event; headlines of newspapers and magazines reviewed the participating teams; and the airport had huge signs welcoming visitors while airport staff wore t-shirts of the countries represented in the World Cup. It was an unforgettable experience!



**Research:** Faculty members had the opportunity to participate in different professional conferences during the year. Sonia Badenas continued to work on her doctoral dissertation and she also presented a paper on didactics in teaching in a regional conference. Elaine Navia had the opportunity to attend the Michigan Conference of Foreign Language Teachers and the Alpha Mu Gamma National Honor Society. Ruben Perez-Schulz continued to work on his doctoral degree. He also dedicated much of his time to prepare the documentation needed to receive accreditation for the French and Spanish K-12 program for Education majors and minors. Pedro Navia presented in several international conferences about a writer and journalist, Elena Poniatowska, a Polish-born citizen who moved to Mexico at the age of 9. In 2014, Poniatowska received the Cervantes award given by the King of Spain, the equivalent of the Literature Nobel Prize in the Hispanic world. Dr. Navia wrote his doctoral dissertation on Poniatowska's testimonies 15 years ago.

**Clubs:** Our two clubs, the French and Spanish (Adelante) clubs, organized vespers and social activities throughout the year. Both participated in the 2014 International Food Fair on campus. Officers of both clubs were actively involved in developing activities to provide language practice for all students.

**Ministry:** Makarios is part of a Hispanic Initiative developed years ago to recruit Hispanic students for Andrews by visiting and presenting programs in Spanish-speaking churches in the US. This past school year, the group had 28 members and presented programs in Michigan, Wisconsin, Indiana, Ohio, Illinois, Missouri, and Kentucky. Ruben Perez-Schulz and Pedro Navia are the sponsors and drivers. Makarios and the department organized a mission trip to Costa Rica during spring break 2014. Ruben Perez-Schulz led a group of 23 participants who sponsored a week of prayer and an English fair at the Adventist University of Costa Rica. It was a blessing!

**Internships:** Students had the opportunity to participate in both on- and off-campus internships. Ruben Perez-Schulz scheduled students to be the interpreters at the Berrien Springs Spanish Church every Sabbath morning for the service. Pedro Navia scheduled students to interpret on campus for visitors and Seminary classes. One student in the Spanish for International Trade program completed his internship in Santiago, Chile, at a company called Adexus.

**Adventist Colleges Abroad:** Students enjoy planning to study abroad for a summer or a school year. During the 2013-2014 academic year, several students from Andrews joined their colleagues from other US Adventist universities to study abroad. Eighteen went to Argentina, three to Spain, six to France, one to Austria, and one to Italy. They travelled all over Europe and South America while achieving fluency in their language of interest.

**Graduates:** The faculty congratulated seven students who graduated in December 2013 and another group of 31 students in May 2014.

**Awards:** Dr. Pedro Navia was awarded with the Bruce Lee Service Award in 2014 for his commitment to on-campus service as well as to the community.

◀ [South American study tour students enjoy the views of Machu Picchu in Peru.](#)



The stage is dramatically lit at the beginning of Bach's *The Passion of Christ*.



ON GOOD FRIDAY 2014 and the following Saturday, April 18 & 19, Andrews University's Department of Music presented a deeply moving portrayal of J. S. Bach's "The Passion of Christ according to Matthew." University Singers, under the direction of Stephen Zork, rehearsed throughout the semester in conjunction with the Singer Actor Workshop, under the direction of Charles Reid. In addition, Dr. Claudio Gonzalez brought together the orchestral resources, forming two complete orchestras out of the Andrews University Symphony Orchestra. Dr. Kenneth Logan joined the orchestra on positive organ and Trina Thompson played the harpsichord. There were twenty-two featured vocal solo parts, each performed by members of University Singers. The monumental role of Evangelist (narrator) was delivered with nuanced vocal and dramatic momentum by sophomore Vocal Performance major, David Ortiz. The similarly demanding role of Jesus was brought to life by seminarian, Deneil Clarke. The performances were marvelously conducted by Stephen Zork.

The production team of Reid, Zork, and Gonzalez conceived of a non-traditional performance setting while striving for exceptional standards of artistic integrity. One of the unique choices was to *stage* the work, which is normally performed as a concert piece. They also chose to sing it in English, even though it is written in German. Together, Reid and student Aleks Kravig worked through the entire German libretto, creating a sung English translation that was both

current and true to the original text. The stage direction from Reid focused on a minimalistic acting language, powerful images and gestures, and deep connections to the text. He urged the students to experience the text on a personal level, which led to convincing emotions and compelling drama. The team also chose to intentionally diminish aspects that might make J. S. Bach's piece feel distant to a young college audience. A modern English libretto helped, and so did choosing modern, casual dress for costuming, projecting the text on the walls so everyone could clearly contemplate the words, casting the entire work with almost 100 students, and insisting that they perform from memory.

The students performed at a professional level on par with the great arts institutions in Chicago, and the Howard Performing Arts Center was filled to overflow capacity for both performances, with standing ovations greeting the performers; however, the real achievement was something simpler and more transforming. The well-known Passion story, as told in the Gospel of Matthew, was experienced by the audience and performers in a profoundly new way. Many students expressed the life-changing impact it had on their personal relationships with God, and the audience was similarly disarmed by seeing this story in such a visual format. The genius of J. S. Bach's music and Picander's meditative texts moved everyone deeply, and the communicative power of great art was witnessed.



(TOP) Deneil Clarke, MDiv student, stands in center stage in the role of Jesus.

(MIDDLE) The crowd gathers around Jesus as he carries the cross.

(BOTTOM) Jesus is taken down from the cross by the Evangelist (played by David Ortiz) and Nathaniel Cogen.

# DEPARTMENT OF RELIGION & BIBLICAL LANGUAGES

Text by Paul Petersen, Chair / Photo by Glenn Russell

**THE NUMBER OF** students in Religion & Biblical Languages reached an historic high this year with a total of 105 majors—50 Theology majors and 55 Religion majors—out of which 10 are distance education students. Another 20 students with minors in our department as well as countless students from other programs who are taking General Education credits in our department are added to the overall number of students we serve. The department produced a good number of graduates this school year: 12 in Theology, 11 in Religion, 3 minors, and 1 distance degree—an Associates in Religion.

The Religion department opened the school year with a new and improved Theology program. Twelve new Theology majors arrived to a program with better streamlining in class sequence and with a more concentrated emphasis in the areas of both service and research. New 1-credit classes in pastoral service and theological research were taught by Glenn Russell and Ante Jeronic.

The revision of our Theology program responded to needs expressed by both students and the field, and aims to help students get better first-hand experience in the practical life of ministry, including preaching, visitation, and evangelistic meetings. The changes also build on the experiences of faculty over the last couple of years where the department has been involved in different types of evangelism and practical outreach opportunities. As we mentioned in our *Year in Review* article last year, the department took a mission trip to Cuba in May 2013. During Spring Break 2014, Glenn Russell led his annual tour to Lebanon where 12 Andrews students—a mix of our majors and students from other departments—served our Adventist school there and its students.

The department's student organization, Andrews Ministerial Association (AMA), is a tremendous help in organizing and inspiring students to serve both on- and off-campus. Student initiatives have led to a huge increase in the number of sermons and seminars conducted by Religion and Theology majors in local churches.

Religion is about service, and the faculty is involved in service in many different ways. Rahel Schafer is a long time pathfinder leader and elder at Eau Claire SDA Church; Erhard Gallos has been an elder at PMC for many years; and Susan Zork is a pastor at



▲ John Gonzalez, one of our Theology majors, speaking for Week of Prayer in Lebanon over Spring Break 2014.

One Place SDA Church. Such service sends an important message to our students, but it also contributes significantly to the impact of the department on the education of our students, in the broader sense of the word.

The department continues to expand our working relationships with the local Adventist conferences, which is beneficial to both our students and the local churches. Michigan conference sponsored four pastors to join our students for the Cuban campaign last summer, and the conference conducts semi-annual job interviews with juniors and seniors. Several other conferences have started to follow that example.

The result is that the department, in spite of the financially strained times, has quite a number of recent graduates who have been employed by conferences with a view to a future sponsorship at the Seminary. Within the borders of the US, graduates from the last two years now work in New Jersey, Texas, California, Wisconsin, Illinois, Indiana, and Michigan; but also countries as far as Argentina and Australia benefit from their service. A graduate from May 2014 has been employed to work for ADRA in Tunisia. One purpose of the increased emphasis both on the practical components and the need for

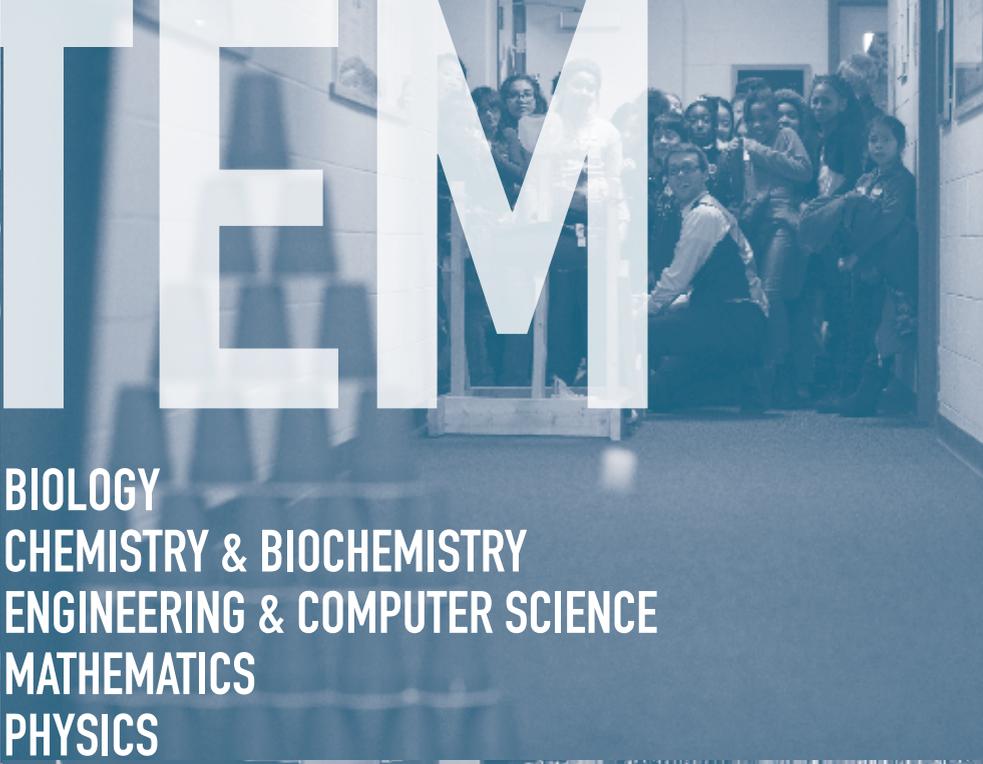
research is to provide even more students with future jobs as well as prepare them for the full professional program at the Theological Seminary.

The faculty is also engaged in research. Among the highlights are Ruben Muñoz' participation in the Oxford Roundtable Discussion in the summer of 2013, and the publication of two books co-edited by the chair, Paul Petersen, in the spring of 2014. Erhard Gallos is writing on the Epistle of James and Rahel Schafer is writing on the Book of Esther for the forthcoming one-volume *Andrews Bible Commentary*. With adjunct teacher Jan Sigvartsen and his wife, Leanne, the department has also conducted a major research project – *Beyond Beliefs* – regarding the millennium generation's perception of the SDA fundamental beliefs. The project has received funding from the North American Division and gained a lot of interest outside of Andrews, and as it continues to be further developed, it promises to provide significant data for the Church as it works with young people in the future.

And of course, don't forget to look up our Andrews University Religion Department Facebook page—and become one of our friends!

# STEM

**BIOLOGY  
CHEMISTRY & BIOCHEMISTRY  
ENGINEERING & COMPUTER SCIENCE  
MATHEMATICS  
PHYSICS**



## OUR EVERGLADES TRIP

Every other year, students have the opportunity to do a research project in the Florida everglades. This course provides hands-on study of the diverse ecosystems in south Florida. This year, fifteen AU biologists (2 faculty and 13 students) spent their spring break exploring a variety of unique habitats in the Everglades.

About the trip, Ashley Reichert comments, "The Everglades Biology trip was an exciting learning experience that will surely be one of the highlights of my years at Andrews University. The days spent trekking through marshes, canoeing through mazes of mangrove tree islands, and snorkeling at the beautiful Looe Key reef taught me so many things about the world I live in that I had not yet been exposed to. In addition to gaining a fuller knowledge of Florida ecology, I was able to share the experience with students and professors who love nature and biology just as much as I do. I can't think of a better way to have spent my Spring Break!"

## RESEARCH

A new tradition began this year as both Dr. Litvak's & Dr. Lyons' students from their classes, Systems Physiology and Genomics, Proteomics & Bioinformatics, presented their coursework in a poster session in the Biology department lobby. These sessions gave students an opportunity to prepare a research poster, share what they learned through the course, and improve their presentation skills.

The Department of Biology was the only department on campus in which every full-time faculty member (11) submitted a faculty research

grant application (new, extension, or renewal) and every proposal was funded! In addition, two of our faculty (Jim Hayward with Shandelle Henson, and Peter Lyons) submitted major NSF proposals (~\$500,000 each), and another (Kanya Long) is co-investigator on a proposal that has been funded (~\$125,000).

Funded Faculty Research Grant proposals included collaborations with faculty in the departments of Mathematics, Health and Wellness, Chemistry, and Physics, as well as numerous external collaborations (UC Davis, Johns Hopkins, etc.). We are very pleased to see this shared commitment to scholarship, especially as we mentor students and look forward to the output – most importantly, creating many research opportunities that will enrich and deepen the educational experience of our students who participate from beginning to end – including publication.

To more fully explain the many research opportunities and their importance in the Department of Biology, a research video was shot during the fall and spring semesters. This video is available on the departmental web site or directly on our vimeo channel: <http://vimeo.com/90583499>

In honor of 26 years of service and his passion for biology, a hallway was dedicated to Dr. David Steen this year. The hallway will be used to display senior Biology students' research posters in beautiful wooden frames, which were handcrafted by Dr. Steen. The caption on the plaque reads, "This hallway celebrates the diverse research of Honors and other undergraduate research scholars from the Department of Biology."

## BIOLOGY STUDENT HIGHLIGHT

Zach Reichert, a current biology student, is already adding successful experiences to his resume after completing his sophomore year. He has been involved with research in the Department of Chemistry with Dr. Hayes, participated in research with the Seabird Ecology team, and went on the Florida Everglades study tour over spring break. This summer he will spend a week on Protection Island with the Seabird Ecology team and then head to a summer undergraduate research fellowship at the Mayo Clinic. At Mayo, he will study the cellular events and molecular mechanisms underlying neural regeneration in the Developmental and Regenerative Neurobiology laboratory led by Dr. John R. Henley. Zach notes, "The meaningful interactions and experiences with the professors in the Biology and Chemistry departments have fueled my interest in and passion for science and provided me with valuable opportunities."

▼ Fifteen AU biologists enjoyed the warm weather and research opportunities in the Florida Everglades during Spring Break 2014.

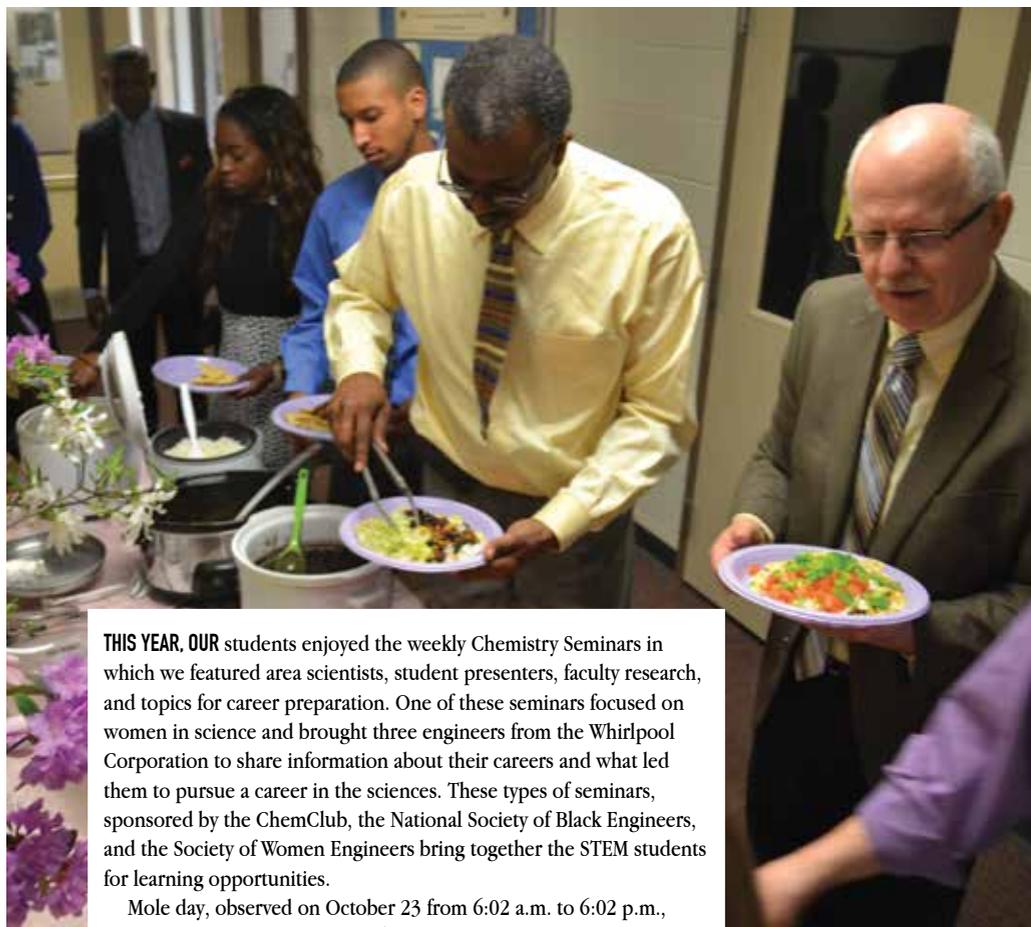




▲ Student worker, Jesse Gray, does a dendrimers inventory for AU ChemServices.

## CHEMISTRY STUDENT HIGHLIGHT

Camille Martin (BS 2014) was highly involved with research throughout her time at Andrews. Dr. Murray was the professor who first told her she was “not too young for research” as a Freshman Chemistry major. This inspired her to become involved with research projects in the department, and apply for summer research experiences, of which she obtained one at Virginia Commonwealth University and another at Western Michigan University. Her research experiences led to an internship at MeadWestvaco in their specialty chemicals division. In that division, she worked in asphalt innovations on synthesizing an additive for asphalt to improve performance properties. This fall she will begin a PhD program in organic chemistry at Northeastern University in Boston. Of her time at Andrews, Camille notes, “The coursework was definitely competitive with other schools. The faculty were available for extra help and were extremely supportive.” Camille advises future STEM students by saying, “Get involved with research as soon as possible. Join some of the professional organizations on campus and attend the conventions because this is a great opportunity to network.”



**THIS YEAR, OUR** students enjoyed the weekly Chemistry Seminars in which we featured area scientists, student presenters, faculty research, and topics for career preparation. One of these seminars focused on women in science and brought three engineers from the Whirlpool Corporation to share information about their careers and what led them to pursue a career in the sciences. These types of seminars, sponsored by the ChemClub, the National Society of Black Engineers, and the Society of Women Engineers bring together the STEM students for learning opportunities.

Mole day, observed on October 23 from 6:02 a.m. to 6:02 p.m., celebrates Avogadro’s Number ( $6.02 \times 10^{23}$ ), a basic measuring unit in chemistry. Commemorating the occasion with chips, salsa, and guacamole, the ChemClub sponsors this event and gives out prizes and sweatshirts to those who attend.

Andrews ChemServices, the chemistry business run by the department, saw some changes this year as new equipment was installed. We were especially happy to acquire a large-scale solvent rotovap and a cassette-style ultrafiltration system which can manage purification of molecules ranging from 2,000 MW to 100,000 MW. Prior to March 2013, we were running the business under the authority of the previous corporation, but now our department completely owns and operates the enterprise. Andrews ChemServices synthesizes and supplies dendrimers to researchers around the world, from California to Florida to Switzerland and Japan. We are excited about the success we are seeing in this business.

We enjoy celebrating the accomplishments of our students, so we hold an annual awards ceremony to recognize those who have excelled in their classes. Along with enjoying good food and company, students and professors gave updates on their ongoing research projects and the department recognized our scholarship recipients. Another celebratory event is the dinner in the Chemistry department for graduating seniors and their families held during graduation weekend. This event is something that students look forward to, as it is one of their final memories with the Chemistry faculty. They also have the opportunity to take their families on a tour of their “stomping grounds” after their educational experience in the department.

▲ Department Chair, David Nowack, demonstrates the most chemically sound way to build a haystack at the annual awards ceremony.

## ENGINEERING & COMPUTER SCIENCE STUDENT HIGHLIGHT

Tommy Zirkle (BSE 2014) had two Summer Undergraduate Research Fellowships at the National Institute of Standards and Technology (NIST) during his studies in the AU Engineering program. This summer he is going to Argonne National Laboratory near Chicago to work with nanomaterials and electrical characteristics of thin films. After his research at Argonne, Tommy will begin a PhD in Engineering at Notre Dame University. Explaining the importance of internships, Tommy says to future students, "Internships allow you to apply what you've learned at Andrews. Internships also have a big impact on your resume. But the most important thing is the confidence you gain as an engineer."

**DURING ENGINEERING WEEK**, over 200 elementary school students visited the Engineering & Computer Science department. They rotated through activity stations to learn about robotics, catapults, electricity, and more. This experience gave our current students an opportunity to share some of their knowledge and excitement about engineering with the next generation.

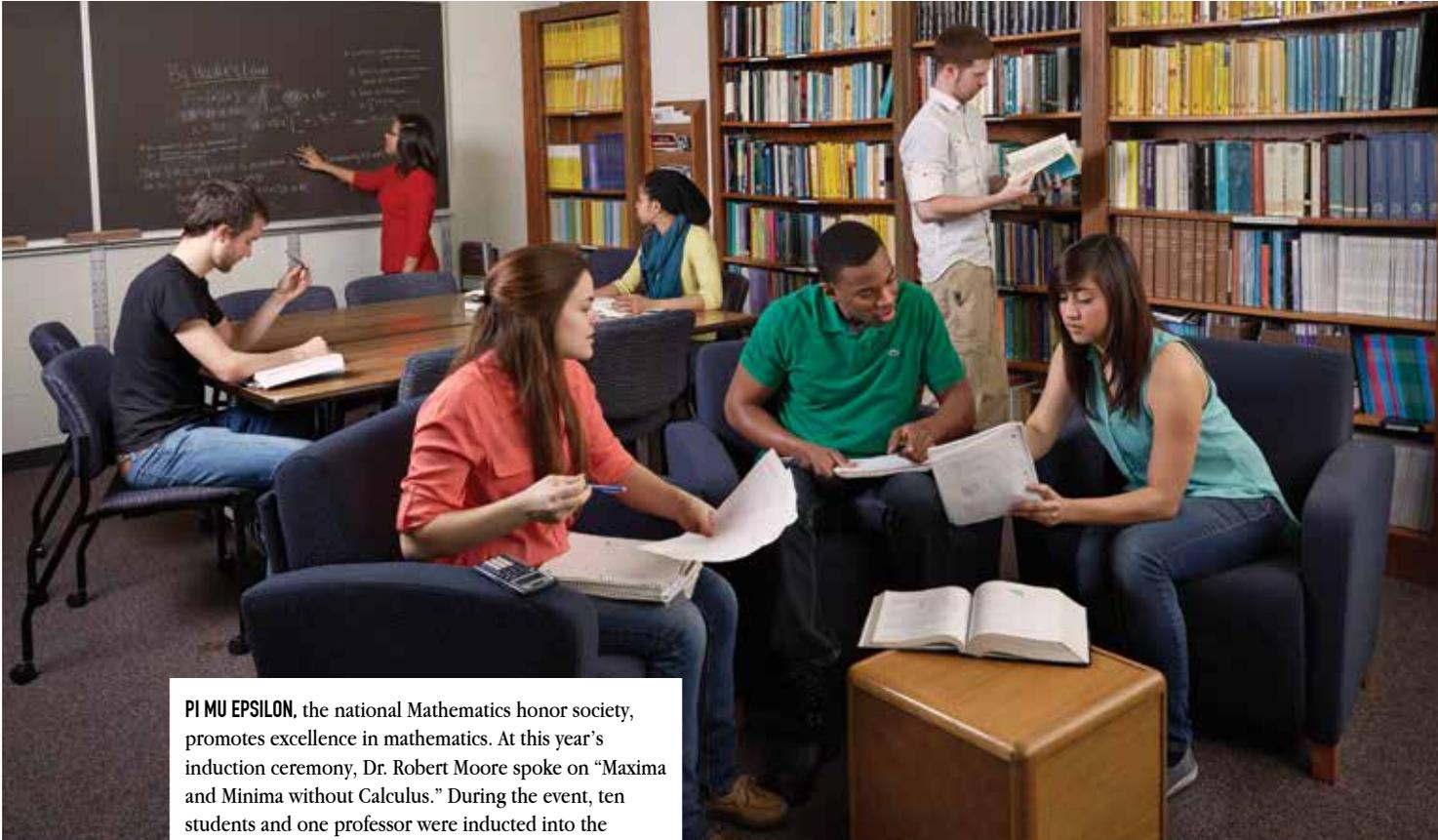
The student clubs were active this year, with the Coding Club gaining popularity as they tackled new and exciting projects. Some projects from 2013-2014 included Arduino programming, Unity 3D, robot/drone programming, and app creation. Students also have an active Facebook group where members share ideas, articles, and other relevant computer science information. This year the department purchased devices for the students to gain experience on, including iPads, iPhones, Android phones and tablets, and windows-based systems. These platforms give students the opportunity to learn additional programming languages and expand their abilities in the different systems. Plans for the 2014-2015 school year include working on more quality projects that will lead to potential internships and jobs, attending professional conferences, and inviting experts for presentations, including department alumni and local computer science professionals.

As of this spring, we have an official Andrews University Engineers Without Borders chapter. This chapter was something the department wanted because of our mission of service and the many outreach activities in which our students are already involved. "Joining Engineers Without Borders will help us to continue fulfilling our mission of service and meeting people's needs," says Dr. Boon-Chai Ng. "It will give us the framework to use our engineering skills in design, collaboration, and service to further Christ's mission."

Seniors completed eight senior design and capstone projects this spring, all diverse and well thought-out. Some of the projects included a wind tunnel, a near infrared imager, an automated grain moisture control system, a Gazebo online ordering system, and an automated rod cutter. Some of the projects received support and/or additional funding outside of the department, giving students the experience of working with actual clients and real-world problems.

▼ Elementary school students visiting during Engineering Week use a marshmallow catapult to knock down a stack of cups.





**PI MU EPSILON**, the national Mathematics honor society, promotes excellence in mathematics. At this year's induction ceremony, Dr. Robert Moore spoke on "Maxima and Minima without Calculus." During the event, ten students and one professor were inducted into the chapter. Danielle Martin was chosen as President and Ada Alvarez as Vice President for the 2014-2015 school year.

This spring, the Seabird Ecology Team was granted a 5-year renewal of their funding by the National Science Foundation (NSF). The project, led by Mathematics chair Shandelle Henson and Biology professor Jim Hayward of Andrews University, is in collaboration with Jim Cushing at the University of Arizona. It focuses on the effects of climate change in marine organisms with respect to foraging and the timing of reproduction. Students will continue to gain experience in mathematical ecology as they prepare for careers in STEM fields.

Danielle Burton (BA English, French, Mathematical Studies 2008, MS Mathematics and Science 2013) has realized success in the early stages of her Mathematics PhD program at the University of Tennessee, Knoxville. Her paper, "A note on the onset of synchrony in avian ovulation cycles," was accepted and published in the Taylor & Francis research journal, *The Journal of Difference Equations and Applications*. It was also chosen as the Mathematics Article of the Week from all Taylor & Francis journals. Furthermore, she received the Graduate Student Achievement and Scholarship Award for 2014 for outstanding academic achievement at the University of Tennessee. Danielle speaks highly of her Andrews professors in preparing her for her current program, saying, "Your support and mentorship is one of the things that makes Andrews exceptional."

▲ Mathematics students enjoy using their newly renovated student lounge.

## MATHEMATICS STUDENT HIGHLIGHT

William Tritch is a 2014 graduate from Andrews University with BS degrees in Mathematics and Physics. While at Andrews, he participated in many research projects, including some interdisciplinary studies. In 2013, William enjoyed a summer research experience for undergraduates (REU) at the University of Nebraska–Lincoln where he studied partial differential equations. In the fall, he is headed to Texas Tech University to work on a PhD in Mathematics. He has a full fellowship and plans to work with the well-known mathematician Linda Allen in the field of mathematical epidemiology. Of his time at Andrews, William notes, "Arriving at Andrews, I planned to pursue medicine; however, the faculty helped me see that this was not the right fit for me. Through their support and encouragement, they helped me discover a field that combines my love for mathematics and medicine—mathematical epidemiology."



## PHYSICS STUDENT HIGHLIGHT

Jonathan Wheeler recently returned from Beirut, Lebanon, where he has been a student missionary since September 2013. He taught 7th & 8th grade math, assisted with Bible classes and organized chapels, did IT support, and supervised some of the science labs. For extracurricular activities, he taught piano and guitar lessons to the students and sponsored the robotics club. He was also involved with music and youth groups at the local church. About choosing to be an SM, Jonathan says, "Other students and the [physics] department generate a positive peer pressure, which is one reason why I went as an SM. Andrews provides a close and personal relationship between mentors and students that is invaluable for future interpersonal development in a career."



(TOP) Students and professors alike are enthusiastic about the levitation table.

(BOTTOM) The CAS Dean and the STEM Coordinator enjoy "walking on water."

IN EARLY AUGUST, a small group of faculty, staff, and students joined together for a departmental backpacking trip to Charles Dean Wilderness Area. Kelly Youngberg, our new Admin Assistant, organized the trip and demonstrated the caliber of ideas and vigor that she continues to bring to the department.

Optical Tweezers are now available to students for nano-technology research and expanding laboratory skills across the STEM disciplines. This equipment was designed and purchased in partnership with the Department of Engineering and Computer Science under the direction of Hyun Kwon. We also completed the building of a museum-quality tesla coil. It is currently in the tuning and testing phase. The levitation experiment continues to be well-received and draws excitement from students and visitors. It was recently demonstrated for the enthusiastic members of the Andrews Capital Expenditures Committee, who were part of making it possible.

The latest addition to our high-tech equipment is a vibration isolation table (4' x 8') to support optical systems, including holography and atomic force microscopy (AFM). It will soon facilitate identification of folding patterns of proteins, a collaborative research project in Biology (Peter Lyons), Physics (Brendon Cross), and Chemistry (David Randall), thus opening new avenues of research within our STEM division. Currently, students and faculty have found

that this table provides much improved stability due to its extreme mass of 1,500 pounds (which posed an interesting problem for delivery and installation to HYH 229), pneumatic leveling in the legs, and athermalized design.

Brendon Cross built a 4' x 6' box for ooblech, a non-Newtonian mixture of cornstarch and water, and gave students the opportunity to "run and jump on water" during this year's inaugural SciFEST. As shown in the photo, the Dean of CAS and the STEM coordinator enjoyed it as well.

We inducted Dewey Murdick (BS Physics 1999) into Sigma Xi this spring. He was our visiting speaker and gave the lecture for the induction supper, "Hypotheses, Experiments, and Evaluation." He shared a bit about his position managing high-risk, high-payout projects for a US intelligence agency. One of his projects, Foresight and Understanding Scientific Exposition (FUSE), "analyzes language in patents and papers to identify next big technologies" (*Nature*, <http://www.nature.com/news/text-mining-offers-clues-to-success-1.15263>). This project was recently highlighted in *Nature: International Weekly Journal of Science*.

SummerPhysics is an exciting time, as always, and this year we are continuing and expanding the Small Group Learning with "table toys" to enhance the learning experience. A new addition was a Learning Assistant supper seminar as part of the Topics in: Physics Learning and Pedagogy Seminar class. This group worked to improve the small group learning experience for the SummerPhysics students. Grace Carlos provided hospitality with brain food for students each morning, fueling as well as intensifying the camaraderie that is a key element in the SummerPhysics experience.

# SOCIAL SCIENCES



BEHAVIORAL SCIENCES  
COMMUNICATION  
JAMES WHITE LIBRARY  
SOCIAL WORK



► Students braved the cold weather to present their research projects at the annual MASAL conference.

**THIS HAS BEEN** an incredible year for the Department of Behavioral Sciences! God has blessed our work in so many areas. First and most importantly, we continued to grow with 161 majors in the Fall Semester and 168 in the Spring. These are difficult times for colleges and enrollment numbers are down in many areas, so we feel very blessed to have had another enrollment increase.

We also will graduate a large number of seniors in May and August. 34 students were awarded undergraduate degrees and 9 students were awarded graduate degrees. We are proud of all of our graduates and wish to recognize the 8 undergraduates who graduated with scholastic honors. Although the graduate students don't have the same honors designation as the undergrads, they too have finished with extremely high GPAs.

This was also a great year for our scholarly research. In 2013, the Behavioral Sciences department faculty led the University in scholarly productivity. Our faculty published in major scientific journals as well as church journals.

One of our major emphases in the department has been on student research. This was a great year for our student scholars. Our entire faculty, led by Karl Bailey, mentor student research. We had 10 students present their research projects at the Michigan Academy of Science, Arts and Letters and 11 Students presented at the Midwest Psychology Association annual meeting. We just received a note from the American Public Health Association that one of our minors in Sociology received

an award for her research. And finally, a student-led paper (authored by Brianna Johnson) was just published in the *Journal of Child and Adolescent Substance Abuse*. We are very proud of our students' accomplishments.

I am sitting here reviewing the student evaluations of our teachers and it is such a pleasure to read the positive comments. Andrews University has strong student evaluations of teaching and it is nice to see that overall, our department exceed CAS evaluations in almost every category. One that particularly pleased me was the strong student evaluation of our faculty's ability to integrate faith and learning. Our credit hours taught continues to go up as one might expect given the student evaluations.

Our department also continues to lead the Service Learning Efforts of Andrews University. AU students provide thousands and thousands of volunteer and service learning hours to dozens and dozens of agencies and organizations on and off campus. Our three blood drives every year most always go beyond our goals and we are the largest donation site for the SW Michigan Red Cross Area. Thank you, Larry Ulery, for your contributions in this area.

Our departmental website [www.andrews.edu/Behavioral](http://www.andrews.edu/Behavioral) has been updated so that it is useful for prospective students as well as current students. Alumni may be interested to track the research of our current faculty, or see what is new.



(TOP): Communication majors enjoyed internships on the dig in Tall Hisban.

(BOTTOM): Students found out more about departments whose programs tie into the field of communication at the first annual CommunicateExpo!

**THE PAST YEAR** in the Department of Communication has been one of learning and growing together, much busyness and most of all, a year of success.

Dr. Rachel Williams-Smith, who comes to Andrews University from Oakwood University, became the new department chair in June 2013. She brings with her a vision for the future and a plan for achieving that vision. Prior to coming to Andrews University, she was an Associate Professor of Communications at Oakwood University and the Director of the University's Adult and Continuing Education Program.

In October 2013, Dr. Desrene Vernon-Brebnor travelled to the Philippines for the 14th International Conference held at the Adventist International Institute of Advanced Studies (AIAS). The theme for the conference was Change, Chaos, and Resilience: Thriving in a Turbulent World. Her plenary presentation was titled: "iPad vs iLearn: New Pedagogical Approaches to Communication Education." The paper was co-authored by Dr. Delyse Steyn.

Graduate student Katelyn Ruiz presented "Welcoming Non-verbal Behavior: A Case Study of Group Communication and Visitor Impressions" at the Summit on Nurture and Retention held at the General Conference headquarters in Silver Spring, MD, November 2013. The presentation grew out of her master's research.

Dr. Melchizedek Ponniah attended the Broadcast Education Association (BEA) annual conference, April 6-9

in Las Vegas, NV where he presented "Selected Emerging Media Issues in India." Graduate student Zachery Weems, who assisted with the research, also attended and enjoyed experiencing a large conference and networking with other participants.

This past school year also saw the start of the student-produced *AU News*, a television program featuring not only stories and news about activities and events on campus, but also off campus events of interest to students and their families. Nine episodes of the show were produced this year and additional bi-monthly episodes of 10-15 minutes are being planned.

The first CommunicateExpo! was held in fall 2013. This event, designed to showcase the various departments and their corresponding courses that prominently feature some form of communication, is slated to become a regular fall semester event. The main feature for the occasion was the launch of a much-talked-about and anticipated app for the *Envision* magazine—a first of its kind!

*Envision*, the student-produced Christian collegiate lifestyle magazine sponsored by the Department of Communication, was recently recognized by the Associated Church Press (ACP) at their annual awards banquet in April. The "Best in Class" honor was one of five awards won by the student publication from among 1,200 entries submitted for judging in the yearly Best of the Christian Press Awards 2013. This is the fourth year that Professor Debbie Michel, sponsor/editor, and her students have been acknowledged for their outstanding work.

This spring Dr. Rachel Williams-Smith attended the Michigan Academy of Science Arts & Letters (MASAL) where she presented "Cultural Adaptation, Religion, & Autoethnography."

Several students participated in summer internships that took them to places such as Washington, DC and Jordan.

With fond memories we end this year and look forward to the next.



▲ The *Envision* Magazine app wins the Associated Church Press' Best In Class award for 2013.

# THE JAMES WHITE LIBRARY

Text by Sarah Kimakwa, Librarian / Photos by Felipe Tan



**THE JAMES WHITE** Library houses the largest collection of physical and electronic materials in the Adventist university library system. A resource like this is too good to keep to ourselves here on campus, so the library staff are continuously seeking ways to bring people from outside our campus into the physical building of the library as well as methods for extending our resources beyond the walls of the building.

One way the library interacts with the larger community is through a multitude of events each year. The 2013-2014 school year featured celebrations as diverse as book signings, National Library Week celebrations, holiday events, and a Social Consciousness Summit. The 2014 National Library Week theme was Change Lives @ Your Library, something that is very central to the work that our librarians and staff do each day. One of the ways that local libraries have a positive impact on the communities they serve is by lessening the “digital divide” by providing computer and internet access to scores of people who would not otherwise be able to use that type of technology.

The statistics from a recent Pew Research Center study are intriguing: 15% of Americans still do not use the internet; most of these people are elderly, low-income groups and those who live in rural areas. These statistics are meaningful to us because they represent a slice of our local constituency. According to the Berrien County 2013 annual report, about 27% of our local population is 55 years or older, 13% have less than a high school diploma, and 17% live below the poverty line. As every aspect of life moves to digital access—from shopping to medical records to banking to employment applications to distance learning to government forms—this segment of the population is being left behind, which ultimately has a negative impact on the overall economic development.

For the Social Consciousness Summit, we focused on activities that would involve the campus in reaching out to the needs in our community, above and beyond access to technology. We coordinated a donation drive, collecting children’s books, educational toys, and diapers, which were distributed to emergency shelters in Berrien County. We also ran our Food for Fines benefit where patrons are able to pay off their library fines by bringing in non-perishable food items. The food we collected was given to families within our Andrews community who could benefit from additional grocery support.

Authors Dionne Robinson and Olaotse Gabatsiane had book signings this year. Ms. Robinson’s book *The Journey: True Stories of Miracles and Mysteries That Will Transform Your Life* describes her experience listening to God’s voice, selling almost everything, and moving with her family to a totally new area based on God’s divine leading. Mr. Gabatsiane, one of our library assistants and an Andrews graduate student, has written a collection of children’s stories based on his own life experiences growing up in rural Botswana, one of the richest countries in Africa.

In addition to events on-campus our library staff also travel around the world to share information with librarians. Felipe Tan, senior cataloger, visited Middle East University in Beirut, Lebanon, in March 2014 to host a workshop for the personnel of the George Arthur Keough Library. “The overall goal was to help the MEU personnel re-catalog their growing collection of Islamic, Arabic, and theology texts,” explains Tan. “I provided them with the know-how and tools to accomplish this task.”

Lawrence Onsager, JWU Dean of Libraries, traveled to Zaoksky University last year to meet with the university librarian, Irina Zabrodina, and other administration to assess the library there. The goal was to find ways that our library could support learning on their campus. Because the Russian government requires that all textbooks must have a publication date within the last two years, the majority of the Zaoksky library budget is spent on purchasing textbooks for courses, and there is little money left over for building up the library collection. This visit was part of an ongoing effort to assess libraries throughout the international Adventist educational system and create partnerships that will benefit students around the world.

In addition to events and partnership travels, the library continues to improve its physical space to make it more user-friendly and welcoming. “The library should be an inviting place to come for our patrons and our employees,” says Lawrence Onsager. We continue to believe that lives can be changed because of what we do.



(TOP) The James White Library staff welcome visitors to National Library Week with refreshments and events.

(MIDDLE) Author Dionne Robinson speaks with a library guest about her book *The Journey: True Stories of Miracles and Mysteries That Will Transform Your Life*.

(BOTTOM) Author Olaotse Gabatsiane signs copies of his book of children’s stories.



◀ Students on the 2014 Madagascar study tour helped dig and install fresh water wells.

**CHANGING THE WORLD** — one person, one community, and one country at a time — is the dream of most, if not all social workers. This summer, four of our Master of Social Work students participated in the Madagascar field experience and study tour. Students were exposed to the culture and way of life of the people of Madagascar, learned about aid efforts in the country, and participated in volunteer work in several towns and villages across the island. The three-week tour was led by Professor Joel Raveloharimisy, Director of the Community and International Development Program in the Behavioral Sciences Department.

Located off the coast of Africa, Madagascar is rich in natural biodiversity but is economically challenged, with 90% of its 22 million residents living on less than \$2 a day. While on the island, students had the opportunity to better understand the needs of the Malagasy people. They visited various Non-Governmental Organizations (NGOs) such as the World Bank, HELP Madagascar (a day foster care and school), and HAFARI, an advocacy group that utilizes media avenues to protest the corrupt government and expose the poor treatment of the local people by the governmental officials to the world in an effort to create positive change. Students worked with HAFARI to give out food and water to homeless individuals and took part in a nationally televised discussion on social conditions in the country. In addition, students also visited a social enterprise that provides employment, food, childcare and schooling, as well as a corporate law firm run by a lawyer who writes articles on the social, political, and economical issues in the country.

▶ Malagasy children ready to learn more about good dental hygiene.



▲ MSW student, Jonathan Jervis, thoroughly enjoyed his studies in Madagascar.

In addition to NGO site visits, the students helped dig and install fresh water wells for a community and gave out school supplies, clothes, and toothbrushes. In conjunction with a physician, optometrist, dentist, and nurse, students also participated in a tooth brushing tutorial to encourage healthy oral hygiene habits, and helped to supply new fishing nets, a fishing boat, prenatal vitamins, de-worming pills, and free health care to the local villagers in one fishing community. Fruit trees and pineapple plants were donated and planted in another community, and needs assessments were carried out while another nurse and doctor provided free medical attention and care for the village people.

Jonathan Jervis, one of the MSW students, said, “This experience was an eye-opener to how the majority of the world is actually living. It has made me more appreciative for the things, capabilities, health, education, and opportunities that I have.” He went on to say, “The voices of the people were heard through our voices as what we learned was discussed on many media outlets; reporters and photographers followed us at times, putting us in the newspaper twice, on

TV, and on the radio a couple of times.”

The group of students who took part in the Malagasy field experience were transported out of their comfortable Andrews University world to an island of extreme, chronic poverty. Such hands-on exposure impacted them in ways that reached well beyond textbook discussions and PowerPoint presentations. While making a difference in the lives of the Malagasy people, they were also able to experience first-hand the causes and consequences of poverty, understand the policies that help and hinder economic development, and experience the impact of social programs in small impoverished communities. Most of all, the students expressed deep satisfaction in knowing they had made a small difference in the lives of people in need, whether it was creating easily accessed, fresh running water for a village, giving children school supplies to enhance their education, or providing medical and dental attention to many village people who couldn't otherwise afford it. At the end of the tour, students came back with the satisfaction that they had relieved a small amount of suffering, gained a better understanding of the causes and consequences of poverty, and renewed their sense of calling to change the world — one person and one village at a time.

## PEER-REVIEWED PUBLICATIONS: January–December 2013

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- R. Chelbegean.** Translation from French and Versification in Romanian of 'Ten Psalms' Lyrics in *The Renaissance French Book of Psalms*, edited by M.V. Diaconescu, S. Bratosin and I. Coman. Published by Romanian Academy Publishing House, May 2013.
- H. W. Helm, Jr. & D. C. McBride.** (2013). Sex and substance use within a prohibitionist university setting. *Atiner Conference Paper Series* No: PSY2013-0418. <http://www.atiner.gr/papers/PSY2013-0418.pdf>
- H. W. Helm, Jr. & K. G. D. Bailey.** (2013). Perceived benefits of presenting undergraduate research at a professional conference. *North American Journal of Psychology*, 15, 527-536.
- J. Henry, **H. W. Helm, Jr.** & N. Cruz. (2013). Mate selection: Gender and generational differences. *North American Journal of Psychology*, 15(1), 63-70. <http://www.questia.com/library/journal/1G1-322563479/mate-selection-gender-and-generational-differences>
- A. M. Baltazar, K. Conopio, J. Moreno & **G. L. Hopkins.** (2013). Protecting youth from health risk behaviors. *The Journal of Adventist Education* 76(2), 11-16.
- A. M. Baltazar, **G. L. Hopkins, D. C. McBride.** (2013). The Abuse of Prescription and Over-the-Counter Drugs. *The Journal of Adventist Education* 48-55.
- Oystein LaBianca** (with Marcella Myers). Teaching and Learning about the Other in Immigration (Chapter 2). In *The Other People: Interdisciplinary Perspective on Migration*. Edited by Meg Wilkes Karraker. New York: Palgrave MacMillan. 25-36.
- Oystein LaBianca** (with Jeffrey Hudon). Tell Hesban. In *The Oxford Encyclopedia of the Bible and Archaeology*. Edited by Daniel M. Master. Oxford: Oxford University Press. 408-416. <http://www.oxfordreference.com/view/10.1093/acref/obso/9780199846535.001.0001/acref-9780199846535-e-99>
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- P. N. Landless, **D. C. McBride.** (2013). Substance Abuse: A Major Global Health Issue. *The Journal of Adventist Education* 3 & 55.
- Joel Raveloharimisy.** "The Influence of Family Dynamics on Contraceptive Use in Madagascar and the Ensuing Impact on Family Well-being." *MEASURE Evaluation PRH Working Paper Series*. Dec. 2013 WP-13-141. Accessible at <http://www.cpc.unc.edu/measure/publications/wp-13-141>

**Larry Ulery.** "Protecting Youth from Health Risk Behaviors." *Journal of Adventist Education* Dec. 2013/Jan, 2014.

### BIOLOGY

- M. Kikuchi, T. Akamatsu, **D. Gonzalez-Socoloske**, D. A. de Souza, L. D. Olivera-Gomez, V. M. F. da Silva. Detection of manatee feeding events by animal-borne underwater sound recorders. *Journal of the Marine Biological Association of the UK* (2013). [http://www.researchgate.net/publication/260834815\\_Detection\\_of\\_manatee\\_feeding\\_events\\_by\\_animal-borne\\_underwater\\_sound\\_recorders](http://www.researchgate.net/publication/260834815_Detection_of_manatee_feeding_events_by_animal-borne_underwater_sound_recorders)
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- D. R. Randall, R. T. Hayes, P. A. Wong.** "A simple LIBS spectrometer for use at multiple levels in the undergraduate chemistry curriculum." *J. Chem. Educ.*, 2013, 90 (4), pp 456–462. <http://pubs.acs.org/doi/pdf/10.1021/ed300350a>

### COMMUNICATION

- Desrene Vernon.** International Religious Radio Broadcasting: The reactions of local listeners to a global message.

*Michigan Academician*, XLI (3) 355-376. <http://journal.themichiganacademy.org/doi/abs/10.7245/0026-2005-41.3.355>

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#### HISTORY & POLITICAL SCIENCE

**Marcella Myers.** (with Øystein LaBianca) "Teaching and Learning about 'The Other' in Immigration" in *The Other People: Interdisciplinary Perspectives on Migration* ed. Meg Wilkes Karraker. Palgrave, 2013.

**Marcella Myers.** "The Effects of Redistributive Conflicts on Immigrations in Immigration" in *The Other People: Interdisciplinary Perspectives on Migration* ed. Meg Wilkes Karraker. Palgrave, 2013.

**Marcella Myers.** "Leading by Default: Perspectives and Challenges for Germany in Its Reluctant EU Leadership Role." *German Studies Review Forum* February, 2013. [http://muse.jhu.edu/journals/german\\_studies\\_review/v036/36.1.haakenson\\_sub05.html](http://muse.jhu.edu/journals/german_studies_review/v036/36.1.haakenson_sub05.html)

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- G. L. Hopkins, **A. M. Baltazar,** D. C. McBride. (2013). The abuse of prescription and over-the-counter drugs. *The Journal of Adventist Education*, **76(2)**, 48-51.
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GENERAL PUBLICATIONS:  
January–December 2013

BEHAVIORAL SCIENCES

- R. Chelbegean.** How to Choose a Marital Partner. *Curierul Adventist* (The Romanian *Adventist Review*), October 2013.
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COMMUNICATION

- Debbie Michel.** "Walking the Newsbeat." *Adventist Review* April 18, 2013. <http://www.adventistreview.org/2013-1511-20>

ENGLISH

- Meredith Jones Gray.** "Emmanuel Missionary College." *The Ellen G. White Encyclopedia*. Ed. Denis Fortin and Jerry Moon. Hagerstown, Maryland: Review and Herald Publishing Association, 2013. Print.
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- Scott Moncrieff.** "Goldilocks." Poem published in *Christian Science Monitor*, Sept. 23, 2013. <http://www.csmonitor.com/The-Culture/Poetry/2013/0918/Goldilocks>
- Scott Moncrieff.** "Panda." Poem published on *Punchnel's* magazine online site, August 2013. <http://www.punchnels.com/poetry/panda/>
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HISTORY & POLITICAL SCIENCE

- John Markovic.** "Lover or Seducer?" *Adventist Review* (June 27 2013), 18-21. <http://archives.adventistreview.org/article/6407/archives/issue-2013-1518/lover-or-seducer>
- Brian Strayer.** "French Revolution," "Salamanca Vision," "Amadon, George W. & Martha," "Babcock, David C.," "Boyd, Charles & Maud (Sisley)," "Chamberlain, Ezra L. H.," "Cook, Joseph," "Decker, Henry," "Edwards, William H. (and sister)," "Fuller, Nathan," "Glenn, W. N.," "Hindson, James & Anna," "Holden, William B.," "Howland, Stockbridge & Louisa (Morse)," "James, George," "Johnson, Lewis," "Lane, Sands H.," "Lindsay, Katherine (Kate)," "Mears, Oliver," "Palmer, Daniel," "Robinson, Doris A.," "Ruble, Wells A.," "Stone, Charles W.," "Tay, John I.," "Warren, Luther," "Wessels, Pieter J. D. and Maria E." In Denis Fortin and Jerry Moon, editors, *The Ellen G. White Encyclopedia*. Hagerstown, MD: Review and Herald Publishing Association, 2013.

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- Kathleen Demsky.** "2013 Waldensian Tour Guide."
- Kathleen Demsky.** "Ellen White and the Waldensians." *The Ellen G. White Encyclopedia*. Review and Herald, Hagerstown, MD, 2013.
- Daniel Drazen.** "A history of the Seventh-day Adventist Periodical Index, Part 3: still a work in progress." *ASDAL Action*: 2013, v32, n3, Spring, p 9-17. <http://www.asdal.org/images/pdf/Action/asdalactionspring2013.pdf>

- Cynthia Mae Helms.** "Notes from ALA Conference 2013." *ASDAL Action*, Vol. 33, No. 1, Fall 2013, pp. 37-39.
- Grace Carr-Benjamin and Nicola Palmer. "Hiram S. Walters Resource Centre at Northern Caribbean University," In **Cynthia Mae Helms**, coordinator. "International Libraries Column," *ASDAL Action*, Vol. 33, No. 1, Fall 2013, pp. 27-32.
- Marianne Kordas.** Program notes. Camerata Milwaukee. Milwaukee, WI: December 14, 2013.
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- Marianne Kordas.** About the Music. Anniversary Gala Concert. Howard Performing Arts Center. Berrien Springs, MI: October 5, 2013.
- Marianne Kordas.** Program notes. Camerata Milwaukee. Milwaukee, WI: May 18, 2013.
- Linda Mack.** About the Music. Program Notes for the Andrews University Symphony Orchestra Concert: Opera Gala, Berrien Springs MI, February 2, 2013. Glinka: Overture to *Ruslan and Ludmilla*; Mozart: *Voi, che sapete* from *Le Nozze di Figaro* (*The Marriage of Figaro*); Mozart: *Dies Bildnis* from *Zauberflöte* (*Magic Flute*); Puccini: *Humming Chorus* from *Madame Butterfly*; Handel: *Ombra Mai fu* from *Xerxes*; Donizetti: *Una Furtive Lagrima* from *L'Elisir d'Amore*; Mascagni: *Intermezzo* from *Cavalleria Rusticana*; Bizet: *Carmen* (I. *Prelude*, II. *La Fleur que tu m'avais jetée*, III. *Toreador Song*); Verdi: *O Figli miei* from *Macbeth*; Verdi: *Va, Pensiero* from *Nabucco*; Wagner: *Prelude* to *Die Meistersinger*. <http://www.andrews.edu/~mack/pnotes/2013%20Concerts/feb0213pnotes.html>
- Linda Mack.** Program notes for the Howard Series: Celebrating Benjamin Britten (1913-1976) Charles Reid, Tenor; Julie Reid, Mezzo Soprano; Trina Thompson, piano. February 17, 2013. Purcell "Three Songs as realized by Benjamin Britten," Britten *Canticle I, op.40* "My Beloved is Mine and I am His" & *Canticle II op. 51* "Abraham and Isaac;" *Winter Words, op.52* on poems of Thomas Hardy; Five Folksong arrangements. <http://www.andrews.edu/~mack/pnotes/2013%20Concerts/feb1713pnotes.html>
- Linda Mack.** About the Music. Program Notes for the Andrews University Symphony Orchestra Concert: Young Artist Concert, Berrien Springs MI, February 23, 2013. Beethoven *Symphony No. 7 in A Major*; Gounod "Cavatina" from *Romeo et Juliette*; Dvorak *Concerto for Cello and Orchestra in b minor*, Op. 47; Chopin *Piano Concerto no. 2 in F minor*; Mendelssohn *Violin Concerto in E minor*.
- Linda Mack.** About the Music. Program Notes for the Andrews University Symphony Orchestra & Chorale Concert, Berrien Springs MI, April 27, 2013. Mendelssohn *Elijah: An Oratorio*. <http://www.andrews.edu/~mack/pnotes/2013%20Concerts/apr2713pnotes.html#mendelssohn>
- Linda Mack.** "Seventh-day Adventist hymnody." *Canterbury Dictionary of Hymnology*, J.R. Watson, general editor. Launched Oct 2013. <http://hymnology.imprezadev.co.uk/> or <http://jewel.andrews.edu/articles/2201680.5995/1.PDF>

## MUSIC

- Lilianne Doukhan.** "La música de la iglesia a través de la historia." In *En espíritu y en verdad*, ed. Adriana Perera, 17-33. Nampa, IA: Pacific Press Publishing Association, 2013.
- Lilianne Doukhan.** "Seventh-day Adventists," in *Oxford Dictionary of American Music*. 2013. Oxford Music Online: <http://www.oxfordmusiconline.com:80/subscriber/article/grove/music/A2252312>
- Lilianne Doukhan.** "Drama and Theater." *The Ellen G. White Encyclopedia*, eds. Denis Fortin and Jerry Moon, 781-784. Hagerstown, MD: Review and Herald Publishing Association, 2013.
- Lilianne Doukhan.** "Music." *The Ellen G. White Encyclopedia*, eds. Denis Fortin and Jerry Moon, 998-1000. Hagerstown, MD: Review and Herald Publishing Association, 2013.

## RELIGION & BIBLICAL LANGUAGES

- Rahel Schafer.** Review of Benjamin A. Foreman, *Animal Metaphors and the People of Israel*. *Bulletin of Biblical Research* 22 (2013): 272.

## SOCIAL WORK

- Wendy Thompson.** Review of textbook titled "*Social Policy for Children and Families*" by Jeffrey M. Jenson and Mark W. Fraser.

## PRESENTATIONS, PERFORMANCES & EXHIBITIONS: January–December 2013

### BEHAVIORAL SCIENCES

- K. G. D. Bailey.** "Internalization of distinctive religious practices is associated with increased well-being." 2013 Summit on Nurture and Retention: Discipling, Retaining, and Reclaiming. Silver Spring, MD. November 18-20, 2013.
- K. G. D. Bailey.** "Believing brains? Cognitive approaches to faith and reason." 8<sup>th</sup> Annual Andrews Autumn Conference on Religion and Science. Berrien Springs, MI. October 26, 2013.
- K. G. D. Bailey.** "Internalization of distinctive religious practices is associated with increased well-being." 5<sup>th</sup> International Conference on Self-Determination Theory. Rochester, NY. June 27-30, 2014.
- H. W. Helm, Jr. & K. G. D. Bailey.** "Contemplating the psychology lab issue in an understaffed psychology department." 35<sup>th</sup> National Institute on the Teaching of Psychology. St. Petersburg Beach, FL. January 3-6, 2013.
- K. Bishop & K. G. D. Bailey.** "Academic achievement and ego-depletion." Psi Chi session of the 85<sup>th</sup> Annual Meeting of the Midwestern Psychological Association. Chicago, IL. May 2-4, 2013.
- L. Dever, K. G. D. Bailey & H. Burnett.** "Understanding expressive writing: Its relationship to trauma, resilience, and parenting style." Psi Chi session of the 85<sup>th</sup> Annual Meeting of the Midwestern Psychological Association. Chicago, IL. May 2-4, 2013.
- J. Grant & K. G. D. Bailey.** "Cognitive effort and pupillometry during narrative comprehension." Psi Chi session of the 85<sup>th</sup> Annual Meeting of the Midwestern Psychological Association. Chicago, IL. May 2-4, 2013.
- F. St. Hilaire, D. Santana & K. G. D. Bailey.** "Perceptions of God and self after exposure to unfair situations." Psi Chi session of the 85<sup>th</sup> Annual Meeting of the Midwestern Psychological Association. Chicago, IL. May 2-4, 2013.
- O. Titus & K. G. D. Bailey.** "The internalization of religion is related to improved well-being and parental relationships." Psi Chi session of the 85<sup>th</sup> Annual Meeting of the Midwestern Psychological Association. May 2-4, 2013.
- H. Burnett.** "The other side of disaster responses: Caring for the caregiver." Conference on Fostering Resilience in the Aftermath: The Art of Delivering Disaster Behavioral Health Services. Lansing, MI. November 7, 2013.
- H. Burnett & L. Dever.** (2013). "Understanding expressive writing." 85<sup>th</sup> Annual Meeting of the Midwestern Psychological Association. Chicago, IL. May 2-4, 2013.
- H. Burnett & K. Willis.** (2013). "The power of stress." 85<sup>th</sup> Annual Meeting of the Midwestern Psychological Association. Chicago, IL. May 2-4, 2013.
- H. Burnett & H. W. Helm, Jr.** "Relationship between posttraumatic stress disorder, resilience, and religious orientation and practices among university student earthquake survivors in Haiti." 12<sup>th</sup> World Congress on Stress, Trauma & Coping, Baltimore, MD. February 19-24, 2013.
- R. Chelbegean.** "Romanian-American Spouse Perception of Gender Roles: A Grounded Theory." Michigan Academy of Science, Arts and Letters, Annual Conference. Hope College, Holland, Michigan. March 22, 2013.
- R. Chelbegean.** "Triple Congruency: A Proposed Model of Christian Psychotherapy." American Association of Christian Counselors. Nashville, Tennessee. September 11-14, 2013.
- H. W. Helm, Jr.** "Sunning Gator." Midwest Museum of American Art 35<sup>th</sup> Elkhart Juried Regional Exhibit. Original Watercolor.
- H. W. Helm, Jr.** "Sunset at Ponte Vecchio." Illiana Artists 15<sup>th</sup> Regional Juried Exhibition (2013). Original Watercolor.
- H. W. Helm, Jr.** "Collision Pending." MAAC (Michiana Annual Art Competition). Original Watercolor.
- H. W. Helm, Jr.** "Two Clowns." Michigan Water Color Society 66<sup>th</sup> Annual Exhibition. Original Watercolor.
- H. W. Helm, Jr.** "Morning Stretch." Art Barn Twentieth Annual Juried Art Exhibition. Merit Award, Purchase Award. Original Watercolor.
- S. Gondra, and H. W. Helm, Jr.** Hook-up Culture Among College Students. A poster presented at MPA's Eighty-fifth Annual Meeting (Psi Chi Poster Session), Chicago, May, 2013.
- C. Knutson, E. Victorin, K. Willis & K. Wilson, H. W. Helm, Jr.** Perceived Relationship Quality and Body Image. A poster presented at MPA's Eighty-fifth Annual Meeting (Psi Chi Poster Session), Chicago, May, 2013.
- K. A. Hupp, & S. S. Delice, H. W. Helm, Jr.** The Role that Openness and Religious Attitude Plays in Critical Thinking. A poster presented at MPA's Eighty-fifth Annual Meeting (Psi Chi Poster Session), Chicago, May, 2013.
- H. W. Helm, Jr. & K. G. D. Bailey.** "Contemplating the Psychology Lab Issue in an Understaffed Psychology Department." 35<sup>th</sup> Annual Conference of the National Institute on the Teaching of Psychology. St. Petersburg Beach, FL. January 3-6, 2013.
- H. W. Helm, Jr. & D. C. McBride.** "Sex and Substance Abuse within a Prohibitionist University Setting." 7<sup>th</sup> Annual International Conference on Psychology. Athens, Greece. May

- 27-30, 2013.
- J. Roberts, P. Gleason, **G. Hopkins, D. C. McBride**. "Service Learning as a Prevention Strategy for Alcohol Use Among Adolescents." American Public Health Association. Boston MA. November 4, 2013.
- G. Hopkins, D. C. McBride**. "Family Meals: A Prevention Strategy." International Commission for the Prevention of Alcoholism and Drug Dependency all Africa Conference. Nairobi, Kenya. September 6, 2013.
- D. C. McBride, G. Hopkins**. "Workshop on Resilience: The Crucial Ingredient for the Prevention of Recovery from at Risk Behaviors." International Commission for the Prevention of Alcoholism and Drug Dependency. Nairobi, Kenya. September 4, 2013.
- Øystein LaBianca**. "One Hundred ASOR Global History Stories." Annual Meeting of the American Schools of Oriental Research. Baltimore, MD. November 20-23, 2013.
- Øystein LaBianca**. "Human Subject Review—the View from CAP." Annual Meeting of the American Schools of Oriental Research. Baltimore, MD. November 20-23, 2013.
- Øystein LaBianca**. "Jordan in Global History: The View from Tall Hisban and the Madaba Plains." Seminar on Global History. University of Bergen, Bergen, Norway. October 1, 2013.
- Øystein LaBianca**. "Jordan in Global History: The View from Tall Hisban and the Madaba Plains." Conference on Networks in the Roman Near East (NeRoNE). Voss, Norway. September 25-27, 2013.
- Øystein LaBianca**. "Jordan in Global History: The View from Tall Hisban and the Madaba Plains." University of Copenhagen Department of Cross Cultural and Regional Studies, Copenhagen, Denmark. September 19, 2013.
- Øystein LaBianca**. "East Jordan in Global History: The View from Hisban and the Madaba Plains." 12th International Conference on the History and Archaeology of Jordan (ICHAJ). Humboldt University, Berlin. May 5-11, 2013.
- Øystein LaBianca**. "East Jordan in Global History: The View from the Madaba Plains." World Archaeology Congress. The Dead Sea, Jordan. January 13-19, 2013.
- Lionel Matthews**. "The Mind of Christ: A Sociological Perspective with Implications for Curriculum Construction." Northern Caribbean University, Jamaica. February 19-21, 2013
- D. C. McBride**, Wendy Thompson, David Sedlacek and Rene' Drumm. "Correlates of Perceived Emotional/Verbal, and Spiritual Abuse of Adult Children of Pastors." Summit on Nurture and Retention, 2013: Discipling, Retaining and Reclaiming. Silver Spring, MD, November 19, 2013.
- D. C. McBride, G. L. Hopkins**, A.M. Baltazar, C. Vander-Waal, K. Conopio. "Family dinners and substance use and sexual activity in a prohibitionist university population." American Public Health Association. Boston, MA. November 5, 2013.
- D. C. McBride**. (2013). "Reflective Stage of Being on Life and Policy." Adventist Conference on Family Research and Practice. Andrews University, Berrien Springs, Michigan. July 18-21, 2013.
- D. C. McBride**. (2013). "What Research says about the Family." Adventist Conference on Family Research and Practice. Andrews University, Berrien Springs, Michigan. July 18-21, 2013.
- W. Thompson, **D. C. McBride**, D. Sedlacek. "Correlates of Perceived Emotional/Verbal and Spiritual Abuse of Pastors Children When They were Kids." Adventist Conference on Family Research and Practice at Andrews University. July 18-21, 2013.
- D. C. McBride**, K. Randall. "Men." Russian Health Ministries Conference. Zaoksky Seventh-day Adventist Seminary, Zaoksky, Tula, Russia. July, 2013.
- R. Drumm, **D. C. McBride**, T. Henson, D. Sedlacek. (2013). "Clergy Stress and Internet Addiction: Investigating the Correlates." Hawaii International Conference on Social Sciences. Honolulu, Hawaii. May 28-31, 2013.
- D. C. McBride**. (2013). "Social Relationships and Healing." European Health Conference. Prague, May, Czech Republic. May 3, 2013.
- Melissa Ponce-Rodas**. "Examining the Intersections of Religion, Ethnicity and Domestic Violence among Hispanic, Seventh-Day Adventist Women." Society for Community Research and Action Biennial Conference. Coral Gables, FL. June 27-29, 2013.
- Melissa Ponce-Rodas**, T. Tasker, **R. Chelbegean**. "Operational Definitions: Exploring the Multidimensionality of the Constructs We Use." Symposium, Midwestern Psychological Association. Palmer House Hilton, Chicago, IL. May 2-4, 2013.
- Joel Raveloharimisy**. "Process of Women Empowerment in Madagascar." African Studies Association Annual Meeting. Baltimore, MD. November 21-24, 2013.
- Joel Raveloharimisy**. "Bonding Social Capital: Asset or Liability to Informal Entrepreneurship and Local Government Activities in Rural Madagascar." Midwest Political Science Association Annual Conference. Chicago, IL. April 3-6, 2013.

#### BIOLOGY

- M. Kikuchi, T. Akamatsu, **D. Gonzalez-Socoloske**, D. A. de Souza, L. D. Olivera-Gomez, V. M. F. da Silva. "The usage of vocalizations in captive manatees." 20<sup>th</sup> Biennial Conference on the Biology of Marine Mammals. Dunedin, New Zealand. December 9-13, 2013.
- D. Gonzalez-Socoloske**. "Hunger in paradise? Seasonal variation in plant accessibility to manatees in the flooding wetlands of Tabasco." Mexico. 20<sup>th</sup> Biennial Conference on the Biology of Marine Mammals. Dunedin, New Zealand. December 9-13, 2013.
- D. Gonzalez-Socoloske**, L. D. Olivera-Gomez. "Dieta del manatí antillano en Tabasco, México." Influencia de la disponibilidad de plantas y sus propiedades nutritivas. XVII Congreso de la Sociedad Mesoamericana para la Biología y la Conservación. Havana, Cuba. September 16-20, 2013.
- C. Espinoza, **D. Gonzalez-Socoloske**. "Distribución de los manatíes del Caribe sur de Costa Rica." XVII Congreso de la Sociedad Mesoamericana para la Biología y la Conservación. Havana, Cuba. September 16-20, 2013.
- J. A. Brassington, A. E. Chacko, W. J. Jang, B. Kissler, B. H. Passey, and **H. T. Goodwin**. "Seasonal and spatial variation in diet recorded by  $\delta^{13}\text{C}$  of incisor enamel of free-ranging thirteen-lined ground squirrels (*Ictidomys tridecemlineatus*)." American Society of Mammalogists.

- Philadelphia, Pennsylvania. June 17, 2013.
- J. A. Brassington, A. Chacko, and **H. T. Goodwin**. "Temporal variation in stable isotopes of incisor enamel from free-ranging, thirteen-lined ground squirrels (*Citellomys tridecemlineatus*)." Michigan Academy of Science, Arts & Letters. Hope College, Holland, Michigan. March 22, 2013.
- J. L. Hayward**, S. M. Henson, and L. C. Megna. "Ovulation synchrony in gulls." 131<sup>st</sup> Stated Meeting of the American Ornithologists' Union. Chicago, Illinois. August 16, 2013.
- A. G. Sandler, Atkins, M. McLarty, M. McCormick, S. Henson, and **J. L. Hayward**. "Features of copulation and the copulation call in Glaucous-winged Gulls (*Larus glaucescens*)." 131<sup>st</sup> Stated Meeting of the American Ornithologists' Union. Chicago, Illinois. August 16, 2013.
- L.C. Megna, A. E. Moncrieff, **J. L. Hayward**, and S. M. Henson. "Equal reproductive success of phenotypes in the *Larus glaucescens-occidentalis* complex." 131<sup>st</sup> Stated Meeting of the American Ornithologists' Union. Chicago, Illinois, August 15, 2013.
- S. M. Henson, **J. L. Hayward**, and J. M. Cushing. "Co-adaptive dynamics of cannibalism and ovulation synchrony: a discrete-time model." Conference to Honor Tom Thompson and Ken Wiggins. Walla Walla University. May 17, 2013.
- S. M. Henson, **J. L. Hayward**, and J. M. Cushing. "Coevolutionary dynamics of cannibalism and ovulation synchrony: a discrete-time mathematical model." Annual Meeting of Michigan Academy of Science, Arts, and Letters. Hope College, Michigan. March 22, 2013.
- D. Burton, S. Henson, and **J. L. Hayward**. "Onset of synchrony in avian ovulation cycles. Annual Meeting of Michigan Academy of Science, Arts, and Letters. Hope College. Michigan. March 22, 2013.
- A. G. Sandler, G. Atkins, M. McLarty, M. McCormick, S. Henson, and **J. L. Hayward**. "Copulation call and behavior of Glaucous-winged Gulls (*Larus glaucescens*)." Annual Meeting of the Michigan Academy of Science, Arts, and Letters. Hope College. Michigan. March 22, 2013.
- J. L. Hayward**, L. M. Weldon, and S. M. Henson. "The effect of sea surface temperature on cannibalism in gulls." Annual Meeting of Michigan Academy of Science, Arts, and Letters. Hope College. Michigan. March 22, 2013.
- J. L. Hayward**, L. C. Megna, B. G. Payne, S. R. V. Chávez, and S. M. Henson. "Temporal and environmental effects on the behavior of Flightless Cormorants." 40<sup>th</sup> Annual Meeting of the Pacific Seabird Group. Portland, Oregon. February 20–24, 2013.
- J. L. Hayward**, L. M. Weldon, S. M. Henson, L. C. Megna, A. E. Moncrieff, and B. G. Payne. "Egg cannibalism in gulls increases with sea surface temperature." 40<sup>th</sup> Annual Meeting of the Pacific Seabird Group. Portland, Oregon. February 20–24, 2013.
- A. G. Sandler, G. Atkins, M. McLarty, M. McCormick, S. Henson, and **J. L. Hayward**. "Copulation call and behavior of Glaucous-winged Gulls (*Larus glaucescens*)." 40<sup>th</sup> Annual Meeting of the Pacific Seabird Group. Portland, Oregon. February 20–24, 2013.
- G. Atkins, A. Sandler, M. McClarty, M. McCormick, S. Henson, and **J. L. Hayward**. "Egg-laying behavior in Glaucous-winged Gulls." 40<sup>th</sup> Annual Meeting of the Pacific Seabird Group. Portland, Oregon. February 20–24, 2013.
- B. G. Payne, S. M. Henson, **J. L. Hayward**, L. C. Megna, and S. R. Velastegui Chávez. "Temporal dynamics of Galápagos marine iguana (*Amblyrhynchus cristatus*) haulout." Joint Mathematics Meetings, American Mathematical Society and The Mathematical Association of America. San Diego, CA. January 10, 2013.
- M. L. Jacobson, R. Clouse, M. Kim, B. Carney, D. Kim, **P. S. Coburn-Litvak**, B.J. Anderson. "Adaptation to chronic unpredictable threat yields resilience under testing conditions that match previous exposure to threat." Society for Neuroscience. San Diego, CA. November 10, 2013.
- J. Stout**, S. Lee, **G. J. Atkins**. 2013. "Males influence both the phonotactic responsiveness of female *Gryllus bimaculatus* and song encoding by their ON1 and AN2 neurons." Proceedings of the 14<sup>th</sup> International Conference on Invertebrate Sound and Vibration. Glasgow, Scotland. July 23 – 26, 2013.

## CHEMISTRY & BIOCHEMISTRY

- Jonathan Lee & **Lisa Ahlberg**. "Amino Acid racemization analysis using reversed-phase HPLC." American Chemical Society. Indianapolis, Indiana. September 8, 2013. <http://abstracts.acs.org/chem/246nm/program/divisionindex.php?act=presentations&val=General+Posters&ses=General+Posters&prog=191000>; <http://indy2013onsite.acs.org/t/70692>
- Joshua Szykowski & **Lisa Ahlberg**. "Searching for the big gun: isoxazolines as anti-tubercular agents." Presented at Michigan Academy of Sciences, Arts & Letters. Hope College, Michigan. March 22, 2013.
- Erica Evans, Brittany Foster, **Ryan T. Hayes**, Hyun Kwon, James Magbanua, **Desmond Murray**. "Synthesis, Spectroscopic and Electrochemical Investigations Into Donor-Acceptor Metal-Sensing Stilbenes." Michigan Academy of Sciences, Arts & Letters. Hope College, Michigan. March 22, 2013.
- D. W. Randall**, **R. T. Hayes**, **P. A. Wong**. "Simple LIBS spectrometer in general chemistry and instrumental analysis." ACS National Meeting. Indianapolis, IN. September 8-12, 2013.
- D. W. Randall**, L. K. Garibay. "Green(er) Chemistry: Alternative to potassium dichromate in the analytical chemistry lab." ACS National Meeting. Indianapolis, IN. September 8-12, 2013.
- D. W. Randall**, L. K. Garibay. "Green(er) Chemistry: Alternative to potassium dichromate in the analytical chemistry lab." ACS Central East Regional Meeting (CERM). Central Michigan University, Mt. Pleasant, MI. May 15-17, 2013.
- D. W. Randall**, **R. T. Hayes**, **P. A. Wong**. "Simple LIBS spectrometer in general chemistry and instrumental analysis." ACS Central East Regional Meeting (CERM). Central Michigan University, Mt. Pleasant, MI. May 15-17, 2013.

- D. W. Randall, R. T. Hayes, P. A. Wong.** "A simple laser induced breakdown spectroscopy (LIBS) system for use at multiple levels in the undergraduate chemistry curriculum." Michigan Academy of Science, Arts and Letters (MASAL). Hope College, Holland, MI. March 22, 2013.
- Desmond Murray.** "How Curious Are You?" Michiana Science and Technology Center, STEM Careers in Our Community Conference. South Bend, Indiana. September 14, 2013.
- Desmond Murray.** "Engaging Students Through Curiosity." Dream Academy Professional Development Workshop. Benton Harbor, Michigan. August 28, 2013.
- Desmond Murray.** "The Fourth R in Secondary Science." Detroit Public Schools 1<sup>st</sup> Annual Back to School Teaching & Learning Symposium. Detroit, Michigan. August 23, 2013.
- Desmond Murray.** "Journey To Excellence in Tiger Science." Benton Harbor Area Schools Board of Education. Benton Harbor, Michigan. August 6, 2013.
- Desmond Murray.** "The Fourth R – Engaging High School Students in Early Research." Illinois State University Center for Mathematics, Science and Technology. Normal, Illinois. July 19, 2013.
- Desmond Murray.** "Early Research Experiences for High School Students – The Gamechanger." Michigan Science Teacher Association 60th Annual Conference. Eastern Michigan University, Ypsilanti, Michigan. March 9, 2013.
- Desmond Murray.** "The Fourth R – Engaging High School Students in Early Research." Wayne State University Analytical Chemistry Division Seminar. Detroit, Michigan. February 26, 2013.
- Desmond Murray.** "Early Research Experiences for High School Students." Jamestown Community College, Jamestown, New York. January 4, 2013.
- Luke Kang, Robert Polski, H. J. Kwon, and **Desmond Murray.** "Synthesis and characterization of arylidene rhodanine derivatives as bi-functional linkers for metal and metal oxide nanoparticles." Michigan Academy of Science, Arts & Letters. Grand Rapids, MI. March 22, 2013.
- Desmond Murray.** Director, 2013 BEST Early Research Video Contest. <http://www.youtube.com/playlist?list=PLApQC7VKzBW01CCSCabudvLdapT9GoSz0>

#### COMMUNICATION

- Melchizedek Ponniah.** Produced Scriptural Pursuit. <http://scripturalpursuit.wordpress.com/library/>
- Melchizedek Ponniah.** Produced Sabbath School U. <http://www.sabbathschoolu.org/podcastlist.php#2>
- Delyse Steyn and Desrene Vernon.** "iPad vs. iLearn: New Pedagogical Approaches to Communication Education." 14<sup>th</sup> AIIAS International Conference. Silang, Cavite, Philippines. October 29, 2013.
- Desrene Vernon.** "Change, Chaos, and Resilience: Thriving in a Turbulent World." Panel Discussant. 14<sup>th</sup> AIIAS International Conference. Silang, Cavite, Philippines. October 29, 2013.
- Desrene Vernon.** "An Outgrown Paradigm: Are the Core News Values of Yesterday Still Applicable in Our Digital Age?" Panelist, Broadcast Educators Association Conference. Las Vegas, NV. April 7, 2013.

#### ENGINEERING & COMPUTER SCIENCE

- H. J. Kwon.** "Combined QCM-D and EGFET System for Biomolecular Interaction Monitoring." AVS 60<sup>th</sup> International Symposium & Exhibition. Long Beach, CA. October 27-November 1, 2013.
- H. J. Kwon, R. Huyancaya.** "Modeling light propagation in skin for visualization of subcutaneous veins." COMSOL Conference. Boston, MA. October 7-9, 2013.
- H. J. Kwon, M. Hess, R. Polski.** "COMSOL simulation of transdermal toxin expulsion via adsorptive dermal patch." COMSOL Conference. Boston, MA. October 7-9, 2013.
- Luke Kang, Robert Polski, **H. J. Kwon,** and Desmond Murray. "Synthesis and characterization of arylidene rhodanine derivatives as bi-functional linkers for metal and metal oxide nanoparticles." Michigan Academy of Science, Arts & Letters. Grand Rapids, MI. March 22, 2013.
- Boon-Chai Ng** and Betsy Nixon. "Incorporating Mastering Engineering<sup>®</sup> to tutor engineering students individually as well as providing the instructor with rich teaching diagnostics." 1<sup>st</sup> International Scholar Conference Proceeding. Asia-Pacific International University, Thailand. October 3-4, 2013.
- Boon-Chai Ng,** James Magbana and **Gunnar Lovhoiden.** "Evaluation of the electrical resistance and capacitance of a di-electric electro-active polymer." The 8<sup>th</sup> Pacific Rim International Congress on Advanced Materials and Processing, TMS (The Minerals, Metals and Materials Society). Waikoloa, Hawaii. August 4-9, 2013.

#### ENGLISH

- Bruce Closser.** "Theory to practice: What research tells us about writing." 3<sup>rd</sup> National Convention for Teachers of English. Universidad Peruana Union, Lima, Peru. October 6-8, 2013.
- Bruce Closser.** "Responding to student writing: Building writing relationships." 3<sup>rd</sup> National Convention for Teachers of English. Universidad Peruana Union, Lima, Peru. October 6-8, 2013.
- Bruce Closser.** "Drafting: Bridging between thinking and saying." 3<sup>rd</sup> National Convention for Teachers of English. Universidad Peruana Union, Lima, Peru. October 6-8, 2013.
- Bruce Closser.** "Prewriting: Bridging between what we know and what we want to say." 3<sup>rd</sup> National Convention for Teachers of English. Universidad Peruana Union, Lima, Peru. October 6-8, 2013.
- Bruce Closser.** "Revision: Completing the bridge between idea and statement." 3<sup>rd</sup> National Convention for Teachers of English. Universidad Peruana Union, Lima, Peru. October 6-8, 2013.
- Bruce Closser.** "Differences in writing tutors' planned and unplanned responses in a university writing center." Adventist English Association. Andrews University, Berrien Springs, MI. June 27, 2013.
- Bruce Closser.** "Planned and unplanned tutor responses in the writing center." Michigan Academy of Science, Arts & Letters. Hope College, MI. March 22, 2013.
- Vanessa Corredera.** "Physiognomy, Art, and Artifice in *The Rape of Lucrece* and *The Devil's Law-Case*." Midwest Modern Language Association. Milwaukee, WI. November 7-10,

2013.

- Vanessa Corredera.** "Far More Black than Black: Racial Stereotypes in Tim Blake Nelson's *O*." Adventist English Association. Andrews University, Berrien Springs, MI. July 26-30, 2013.
- Vanessa Corredera.** "The Face of Knowledge: Shakespeare and Physiognomy." Shakespeare Association of America. Toronto, Ontario. March 28-30, 2013.
- Ivan Davis.** "West End Notes': Fred Newton Scott's Brush with Adventist Education." Adventist English Association. Andrews University, Berrien Springs, MI. June 28, 2013. [http://www.andrews.edu/cas/english/aea/aea\\_printed\\_program\\_1-5\\_pp\\_2-4.pdf](http://www.andrews.edu/cas/english/aea/aea_printed_program_1-5_pp_2-4.pdf)
- Meredith Jones Gray.** "Disseminating Light and Knowledge: Goodloe Harper Bell, the First Adventist English Teacher." Adventist English Association Meeting. Andrews University, Berrien Springs, MI. June 28, 2013.
- Douglas Jones.** "Songs of the Open Road: Whitman's Influence on Twentieth-century American Travel Writing." Adventist English Association. Berrien Springs, Michigan. June 27, 2013.
- Julia E. Kim.** "Helping ESL Writers Communicate Successfully." Adventist English Association. Andrews University, Berrien Springs, MI. June 26-30, 2013.
- Beverly Matiko.** "*Telling the Truth with Help, Thanks, Wow*: Three Views from the Pulpit and Pew of Frederick Buechner and Anne Lamott." Adventist English Association Conference. Andrews University, Berrien Springs, MI. June 28, 2013.
- Beverly Matiko.** "*Telling the Truth with Help, Thanks, Wow*: Holy Comedy in Frederick Buechner and Anne Lamott." Michigan Academy of Science, Arts & Letters. Hope College, Holland, MI. March 22, 2013.
- Scott Moncrieff.** "Why You Need Scrivener." Adventist English Association. Andrews University, Berrien Springs, MI. June 28, 2013.
- L. Monique Pittman.** "Shakespeare's Henriad and the BBC's *The Hollow Crown*: Schooling Women in the Canon and on Film." Adventist English Association. Berrien Springs, MI. June 26-30, 2013.
- L. Monique Pittman.** "Olympic Shakespeare Goes Wrong?: Women and British Nationhood in the BBC's *Hollow Crown*." Shakespeare Association of America. Toronto, Canada. March 28-30, 2013.
- L. Monique Pittman.** "Shakespeare's Henriad and the BBC's *The Hollow Crown*: Women in the Canon and in History." Oxford Round Table: Women and Education. Oxford, England. March 17-21, 2013.

## HISTORY & POLITICAL SCIENCE

- John Markovic.** "The Emergence Narrative of the Atonement: Which Is the Fairest of Them All?" Atonement Symposium sponsored by ATS. Loma Linda, CA. April 19, 2013.
- Marcella Myers.** "European Integration and Corporate Interests: the winners and losers." Germans Studies Association meeting. Denver, Colorado. October 3-6, 2013.
- Marcella Myers.** "The National Health Service and Private Funding Initiatives: how the private sector profits and income inequality increases." Midwest Political Science As-

sociation Conference. Chicago, Illinois. April 11-14, 2013.

- Kathryn Silva.** "African American Mill Workers and Industrial Democracy, 1918-1929." Labor and Working-Class History Association Annual Meeting, New York City, NY. June 8, 2013.
- Kathryn Silva.** "'To Earn an Honest Living': Dressmakers and Textile Workers of the National Negro Business League, 1901-1920." National Council for Black Studies Annual Conference. Indianapolis, Indiana. March 16, 2013.
- Kathryn Silva.** "Silk and Schools: African American Mill Workers and Interracial Cooperation in Fayetteville, North Carolina, 1899-1914." Southern Labor Studies Association Conference. New Orleans, Louisiana. March 7-9, 2013.
- Brian Strayer.** "John Byington: Farmer, Abolitionist, Administrator, and Circuit Riding Preacher, Part 1: 1798-1843." Holland SDA Church, Holland, MI. November 9, 2013.
- Brian Strayer.** "Advent Waymarks in Jackson, Michigan, Part 1." Jackson SDA Church, Jackson, MI. October 12, 2013.
- Brian Strayer.** "J. N. Loughborough: Seventh-day Adventism's First Historian, Part 3: 1878-1897." Anderson SDA Church, Anderson, IN. July, 2013.
- Brian Strayer.** "Little Man, Long Shadow: The Legacy of J. N. Loughborough to Seventh-day Adventism." Association of Seventh-day Adventist Historians. Union College, Lincoln, Nebraska. March 22, 2013.

## INTERNATIONAL LANGUAGE STUDIES

- Sonia Badenas.** "Once Upon a Time: Using Short Stories in the French Classroom." Alpha Mu Gamma XXXIV National Convention. Elmhurst College, Elmhurst, Illinois. September 27 - 29, 2013. <http://amg.elmhurst.edu/Portals/0/PDFs/AMG-2013-Elmhurst-College-Program.pdf>
- Pedro Navia.** "Voces femeninas desde la marginación en los testimonios de Elena Poniatowska" (Women Voices from the Exclusion in Testimonies of Elena Poniatowska"). III Congreso sobre la Marginación Social en el Mundo / III Conference on Social Exclusion in the World. Buenos Aires, Argentina. July 4-8, 2013.
- Pedro Navia.** "El entrevistado y el narrador: las voces en los testimonios de Elena Poniatowska" ("The interviewed and the Narrator: the Voices in Testimonies of Elena Poniatowska"). XIII International Conference on Hispanic Literature. Cartagena, Colombia. March 13-15, 2013.
- Pedro Navia.** "La voz marginada de las empleadas domésticas en los testimonios de Elena Poniatowska" (The Voice of the Excluded: Testimonies of Maids in Elena Poniatowska's Work). Ya es tiempo! Desarrollo, Paz y Derechos Humanos de las Mujeres / It is about Time! Development, Peace, and Human Rights of Women. University of Puerto Rico, Puerto Rico. March 5-7, 2013.

## JAMES WHITE LIBRARY

- James Ford.** "Adventist Digital Library (ADL): Introduction and Report on the May 2013 Consultation." Adventist Resources Section meeting of the Association of Seventh-day Adventist Librarians. Walla Walla University, College Place, WA. June 26, 2013.
- Terry Robertson, Cynthia Helms, Lauren Maticio.** "Celebrating Milestones: James White Library's 75<sup>th</sup> Anniversary." Association of Seventh-day Adventist Librarians.

College Place, WA. June 25, 2013.

**Terry Robertson, Cynthia Helms, Lauren Matacio.**

“Celebrating Milestones: James White Library’s 75<sup>th</sup> Anniversary.” American Theological Libraries Association. Charlotte, NC. June 20, 2013.

**Terry Robertson.** “DIKW Goes to Seminary.” Third Annual Conference on Information & Religion. Charlotte, NC. June 20, 2013.

**Silas M. Oliveira.** “The Academic Library Partnership with Faculty and Students: The case of James White Library.” 34<sup>th</sup> Annual International Association of Technical University Libraries (IATUL) Conference 2013. Cape Town, South Africa. April 14-18, 2013.

#### MATHEMATICS

Danielle Burton, **S. M. Henson.** “Bifurcation of synchronous ovulation cycles in colonial birds.” American Mathematical Society, Fall Southeastern Sectional meeting, special session on Mathematical Models in Biology and Physiology. Louisville, KY. October 6, 2013.

J. L. Hayward, **S. M. Henson**, and L. C. Megna. “Ovulation synchrony in gulls.” 131<sup>st</sup> Stated Meeting of the American Ornithologists’ Union. Chicago, Illinois. August 16, 2013.

G. Sandler, Atkins, M. McLarty, M. McCormick, **S. M. Henson**, and J. Hayward. “Features of copulation and the copulation call in Glaucous-winged Gulls (*Larus glaucescens*).” 131<sup>st</sup> Stated Meeting of the American Ornithologists’ Union. Chicago, Illinois. August 16, 2013.

L. C. Megna, A. E. Moncrieff, J. L. Hayward, and **S. M. Henson.** “Equal reproductive success of phenotypes in the *Larus glaucescens-occidentalis* complex.” 131<sup>st</sup> Stated Meeting of the American Ornithologists’ Union. Chicago, Illinois. August 15, 2013.

**S. M. Henson**, J. L. Hayward, and J. M. Cushing. “Co-evolutionary dynamics of cannibalism and ovulation synchrony: a discrete-time mathematical model.” Annual Meeting of Michigan Academy of Science, Arts, and Letters. Hope College, Michigan. March 22, 2013.

D. Burton, **S. M. Henson**, and J. Hayward. “Onset of synchrony in avian ovulation cycles.” Annual Meeting of Michigan Academy of Science, Arts, and Letters. Hope College, Michigan. March 22, 2013.

A. G. Sandler, G. Atkins, M. McLarty, M. McCormick, **S. M. Henson**, and J. Hayward. “Copulation call and behavior of Glaucous-winged Gulls (*Larus glaucescens*).” Annual Meeting of the Michigan Academy of Science, Arts, and Letters. Hope College, Michigan. March 22, 2013.

J. L. Hayward, **L. M. Weldon**, and **S. M. Henson.** 2013. “The effect of sea surface temperature on cannibalism in gulls.” Annual Meeting of Michigan Academy of Science, Arts, and Letters. Hope College, Michigan. March 22, 2013.

**S. M. Henson**, J. L. Hayward, and J. M. Cushing. “Co-adaptive dynamics of cannibalism and ovulation synchrony: a discrete-time model.” Conference to Honor Tom Thompson and Ken Wiggins. Walla

Walla University, Walla Walla, WA. May 17, 2013. G. Atkins, A. G. Sandler, M. McLarty, M. McCormick, **S. M. Henson**, and J. Hayward. “Egg-laying behavior in Glaucous-winged Gulls.” 40<sup>th</sup> Annual Meeting of the Pacific Seabird Group. Portland, Oregon. February 20–24, 2013.

A. G. Sandler, G. Atkins, M. McLarty, M. McCormick, **S. M. Henson**, and J. Hayward. “Copulation call and behavior of Glaucous-winged Gulls (*Larus glaucescens*).” 40<sup>th</sup> Annual Meeting of the Pacific Seabird Group. Portland, Oregon. February 20–24, 2013.

J. L. Hayward, L. C. Megna, B. G. Payne, S. R. V. Chávez, and **S. M. Henson.** “Temporal and environmental effects on the behavior of Flightless Cormorants.” 40<sup>th</sup> Annual Meeting of the Pacific Seabird Group. Portland, Oregon. February 20–24, 2013.

J. L. Hayward, L. M. Weldon, **S. M. Henson**, L. C. Megna, A. E. Moncrieff, and B. G. Payne. “Egg cannibalism in gulls increases with sea surface temperature.” 40<sup>th</sup> Annual Meeting of the Pacific Seabird Group. Portland, Oregon. February 20–24, 2013.

B. G. Payne, **S. M. Henson**, J. L. Hayward, L. C. Megna, and S. R. Velastegui Chávez. “Temporal dynamics of Galápagos marine iguana (*Amblyrhynchus cristatus*) haulout.” Joint Mathematics Meetings, American Mathematical Society and The Mathematical Association of America. San Diego, CA. January 10, 2013.

**J. H. Kang.** “Steady State Solutions to General Population Model.” Michigan Academy of Science, Arts & Letters. Hope College, Holland, MI. March 22, 2013.

**J. H. Kang.** “Coexistence Steady State Solutions to General Population Model.” Presented at the Joint Mathematics Meetings. San Diego, California. January 10, 2013. [http://jointmathematicsm meetings.org/meetings/national/jmm2013/2141\\_progfull.html](http://jointmathematicsm meetings.org/meetings/national/jmm2013/2141_progfull.html)

**R. C. Moore.** “What constitutes a well-written proof?” Annual Conference of the Michigan Academy of Science, Arts & Letters. Hope College, Holland, MI. March 22, 2013.

**Yun Myung Oh.** “An inequality on Riemannian submersion and  $\theta$ -slant submanifold.” American Mathematical Society, Fall Western Sectional Meeting. UC Riverside, Riverside, CA. November 2-3, 2013.

**Yun Myung Oh.** “An inequality of Riemannian submersion invariant and Lagrangian isometric immersion.” Michigan Academy of Science, Arts & Letters Conference, Mathematics Section, Hope College, Holland, MI. March 22, 2013.

**Yun Myung Oh.** “Riemannian submersion and Lagrangian isometric immersion.” Joint Mathematics Meetings, General Contributed paper session: Research in Geometry and Linear Algebra, San Diego, CA. January 10, 2013.

**Marian Prince.** “Teaching Statistics with TI-Nspire.” DACTM/MDSTA 2013 Fall Conference, Brownstown, MI. November 16, 2013.

**Marian Prince.** “My Favorite TI-84 Activities—Now in Color!” and “The Common Core TI-73.” 2013 MCTM State Conference. Traverse City, MI. July 30-August 1, 2013.

**Marian Prince.** “TI-Nspire CAS Handheld: Cure for the Common Core.” 2013 T<sup>3</sup> International Conference (Teachers Teaching with Technology). Philadelphia, PA.

# FACULTY RESEARCH AND CREATIVE ACTIVITY REPORT

March 8-10, 2013.

## MUSIC

**Lilianne Doukhan.** Music Conference. East-Central Africa Division, Bugema, Uganda. December 10-14, 2013.

**Lilianne Doukhan.** Texico Camp Meeting. Albuquerque, NM. June 20-22, 2013.

**Lilianne Doukhan.** Music & Worship Conference. Sherwood Park SDA Church, Sherwood Park, Alberta, Canada. May 24-26, 2013.

**Carlos Flores.** Howard Series Performance: *A Night of Music, Art, and Folklore in Mexico*. Presented with soprano Laura Ortíz and a Mariachi Band. November 16, 2013.

**Alan Mitchell.** Trombone Performer with Southwest Michigan Symphony Orchestra. Holiday “Jingle Bells Forever” Concert. Mendel Center, LMC, Benton Harbor, MI. December 14, 2013.

**Alan Mitchell.** Trombone Performer with Brass Ensemble & First Congregational Church Chancel Choir. St. Joseph, MI. November 24, 2013.

**Alan Mitchell.** Trombone Performer with St. Joseph Municipal Band Concerts. John E.N. Howard Bandshell, St. Joseph, MI. June 30, July 4, July 7, July 14, July 21, July 28, August 18, August 25, September 1, 2, 2013.

**Alan Mitchell.** Trombone Performer with St. Joseph Municipal Big Band Concerts. John E.N. Howard Bandshell, St. Joseph, MI. June 30, September 1, 2013.

**Alan Mitchell.** Guest Director with St. Joseph Municipal Band Concerts. John E.N. Howard Bandshell, St. Joseph, MI. September 1, 2013.

**Alan Mitchell.** Guest Clinician & Director for Southwest Michigan Middle School Honor Band Festival. Howard Performing Arts Center, Berrien Springs, MI. April 11, 2013.

**Alan Mitchell.** Directed Andrews University Festival Band Tour Concert. Iglesia Adventista Rumana. Madrid, Spain. March 21, 2013.

**Alan Mitchell.** Directed Andrews University Festival Band Tour Concert. Centro Cultural Caja Castilla la Mancha. Toledo, Spain. March 20, 2013.

**Alan Mitchell.** Directed Andrews University Festival Band Tour Concert. Iglesia Adventista de Alenza. Madrid, Spain. March 15, 2013.

**Alan Mitchell.** Guest Clinician & Director for Michigan SDA Elementary School Honor Band Clinic. Howard Performing Arts Center, Berrien Springs, MI. March 6, 2013.

**Alan Mitchell.** Guest Clinician & Director for Andrews University Festival Band Concert. HPAC, Berrien Springs, MI. March 2, 2013.

**Charles Reid.** “Handel, Messiah.” Columbia Pro Cantare, Columbia, MD. December 8, 2013. [http://articles.baltimoresun.com/2013-12-05/news/pb-bo-go-pro-cantare-1205-20131205\\_1\\_columbia-pro-cantare-soprano-amy-van-roekel-lester-lync](http://articles.baltimoresun.com/2013-12-05/news/pb-bo-go-pro-cantare-1205-20131205_1_columbia-pro-cantare-soprano-amy-van-roekel-lester-lync)

**Charles Reid.** “Handel, Messiah.” Christ Cathedral Chorus, Lexington, KY. December 6, 2013. [http://www.zvents.com/lexington\\_ley/events/show/341187683-messiah-by-g-f-handel-with-the-christ-church-cathedral-men-boys-and-girls-choirs-lexington-baroque-ensemble-and-soloists](http://www.zvents.com/lexington_ley/events/show/341187683-messiah-by-g-f-handel-with-the-christ-church-cathedral-men-boys-and-girls-choirs-lexington-baroque-ensemble-and-soloists)

**Charles Reid.** Don Jose in “Bizet, Carmen.” Theater Ha-

gen, Hagen, Germany. 2013/14 Season, (September, 2013- November, 2013). [http://www.theaterhagen.de/nc/stuecke-konzerte/stueckansicht.html?tx\\_dcalcategories\\_pi2%5Buid%5D=592](http://www.theaterhagen.de/nc/stuecke-konzerte/stueckansicht.html?tx_dcalcategories_pi2%5Buid%5D=592)

**Charles Reid.** Claudio in “Das Liebesverbot, by Wagner.” CD Release, Oehms Classics OC942. Oper Frankfurt, Frankfurt, Germany. Released August, 2013. <http://www.barnesandnoble.com/w/wagner-das-liebesverbot-sebastian-weigle/26290149?ean=4260034869424>

**Charles Reid.** Don Jose in “Bizet, Carmen.” Theater Hagen, Hagen, Germany. 2012/13 Season, New Production (May, 2013 – July 10, 2013). <http://www.ioco.de/2013/06/11/hagen-theater-hagen-sensationelle-premiere-carmen-ioco-kritik-08-06-2013/>

**Charles Reid.** “Dvorak, Requiem.” Beethoven Orchester Bonn. Bonn, Germany. May 29, 2013. <http://tomasnetopil.com/calendar/dvorak-requiem/>

**Charles Reid.** “Mozart, Requiem.” Buffalo Philharmonic Orchestra. Buffalo, NY. April 20-21, 2013. [http://www.buffalonews.com/20130418/bpo\\_performs\\_mozart\\_x2019\\_s\\_requiem.html](http://www.buffalonews.com/20130418/bpo_performs_mozart_x2019_s_requiem.html)

**Charles Reid.** “Mozart, Requiem.” Virginia Symphony Orchestra, Norfolk, VA. April 12-14, 2013. <http://www.virginiasymphony.org/concerts/2013/4/12/160/mozart-requiem/>

**Charles Reid, Julie Reid, and Trina Thompson.** “Celebrating Britten: A song recital featuring the works of composer Benjamin Britten.” Howard Performing Arts Center, Berrien Springs, MI. February 17, 2013. <http://www.andrews.edu/~mack/pnotes/2013%20Concerts/feb1713pnotes.html>

**Trina Thompson and Carla Trynchuk.** Duo/Encore Concert. WAUS Second Sunday Concert Series. Fernwood Botanical Gardens, Niles, Michigan. July 14, 2013.

**Carla Trynchuk.** “Two B’s.” Southern Adventist University Orchestra. Collegedale, TN. November 10, 2013.

**Carla Trynchuk.** “Mozart Violin Concerto No. 5.” Oregon Music Festival, Orpheus Academy Orchestra. Portland, OR. June 19, 2013.

**Carla Trynchuk.** Guest Master Class. Southern Adventist University, Collegedale, TN. November 8, 2013.

**Carla Trynchuk.** Guest Master Class. Oregon Music Festival, Portland, Oregon. June 18, 2013.

**Carla Trynchuk.** Guest Master Class. Eastern Washington University, Cheney, WA. April 7, 2013.

**Carla Trynchuk and Chi Yong Yun.** Recital. Fort Wayne Seventh-day Adventist Church, Fort Wayne, IN. May 4, 2013.

**Carla Trynchuk and Chi Yong Yun.** Recital. Eastern Washington University, Cheney, WA. April 7, 2013.

**Carla Trynchuk and Chi Yong Yun.** Recital. Walla Walla University, Walla Walla, WA. April 6, 2013.

**Chi Yong Yun.** Concerto Performance, Howard Performing Arts Center 10<sup>th</sup> Anniversary. Howard Performing Arts Center, Berrien Springs, MI. October 5, 2013.

**Chi Yong Yun.** Second Sunday Series. Howard Performing Arts Center, Berrien Springs, MI. April 14, 2013.

**Chi Yong Yun.** Master Class. Walla Walla University, Walla Walla, WA. April 2013.

**Chi Yong Yun.** Master Class. Eastern Washington University, Cheney, WA. April 2013.

**Stephen Zork.** Monday Musicale Christmas Vespers. First

United Methodist Church, St. Joseph MI. December 8, 2013.

- Stephen Zork.** Welcome Christmas. Howard Performing Arts Center, Berrien Springs, MI. December 6, 2013.
- Stephen Zork.** University Singers Tour. Great Lakes Adventist Academy, Edmore, MI. November 8, 2013.
- Stephen Zork.** First Presbyterian Concert Series. La Porte, IN. November 3, 2013.
- Stephen Zork.** Choral Conducting Master Class. North Central Michigan College, Petoskey, MI. October 25-26, 2013.
- Stephen Zork.** International Choral Invitational. Howard Performing Arts Center, Berrien Springs, MI. October 19, 2013.
- Stephen Zork.** Baritone Soloist in Elijah by Felix Mendelssohn. Andrews University Chorale. Howard Performing Arts Center, Berrien Springs, MI. April 27, 2013.
- Stephen Zork.** Choral Clinician. Indiana Conference Music Clinic. Cicero, IN. April 4-6, 2013.
- Stephen Zork.** Good Friday Tenebrae Service. First Presbyterian Church, South Bend IN. March 29, 2013.
- Stephen Zork.** Opera Gala Concert. Co-conductor of Chorale and Orchestra featuring guest soloists Charles and Julie Reid. Howard Performing Arts Center, Berrien Springs, MI. February 2, 2013.
- Stephen Zork.** CIVEBRA International Music Festival. Heiter Villa-Lobos Auditorium, National Theater of Brasilia, Brazil. January 13-26, 2013.

#### PHYSICS

- Gary Burdick.** "The Faith that Lies at the Heart of Science." Geoscience Research Institute Summer Conference on Origins (GRICO). Cincinnati area, KY. August 4, 2013.
- Gary Burdick.** Invited Participant, Origins Leadership Forum. The Colossian Forum. Grand Rapids, MI. July 15-18, 2013.
- Christopher Greenley, **Tiffany Z. Summerscales**, Lee S. Finn. "Application of the Maximum Entropy Method to Hardware Injections in the LIGO Gravitational Wave Detectors." 221<sup>st</sup> American Astronomical Society Meeting, Long Beach, CA. January 6-10, 2013. <http://adsabs.harvard.edu/abs/2013AAS...22143214G>

#### RELIGION & BIBLICAL LANGUAGES

- Ante Jeronic.** "The Quest For 'La Sapienza': Elaborations on Roy Bhaskar's Critical Realism," Annual Andrews Autumn Conference on Religion and Science. Andrews University, Berrien Springs, MI. October 26, 2013.
- Ante Jeronic.** "Attending to Reality: Engaging Iris Murdoch's Metaphysical Ethics," International Theology Conference. Adriatic Union College, Marusevec, Croatia. June 24-25, 2013.
- Rubén Muñoz-Larrondo.** "The Hermeneutics of the Social-Christian Movement in Chile: Reflections after 40 years." Society of Biblical Literature. Baltimore, MD. November 23-26, 2013.
- Rubén Muñoz-Larrondo.** Seminario Adventista Laico (SAL) – Andrews University, Hispanic Ministries. Weekend Seminars. Dallas, TX, February, 2013. Upper Columbia Conference, March, 2013. Vancouver, Canada, April 6, 2013. Carolina Conference, September 22, 2013.
- Rubén Muñoz-Larrondo.** "Mimicry of Power: The subser-

vient Paul and the Jewish-Christian Sanhedrin in Acts 21." Oxford Round Table. Brasenose College, Oxford, England. July 28-August 1, 2013.

- Rubén Muñoz-Larrondo.** "parrhsi/a, Opposition and Philosophical Imagery in Acts," Centro Hispano Adventista para el Diálogo Teológico. Andrews University, Berrien Springs, MI. March 24, 2013.
- Rahel Schafer.** "Sentient or Silent? The Personification of Stones and Wood in Habakkuk 2." Society of Biblical Literature. Baltimore, MD. November 24, 2013.
- Rahel Schafer.** "Wailing Walls and Fearful Flocks: Non-human Emotion as Portrayed in the Hebrew Bible." Evangelical Theological Society. Baltimore, MD. November 20, 2013.
- Rahel Schafer.** "All Creatures Great and Small: The Biblical Argument for a Plant-Based Diet." McElmurry Ethics and Society Lectureship. Berrien Springs, Michigan. October 5, 2013.

#### SOCIAL WORK

- A. M. Baltazar, C. J. VanderWaal** & K. D. Conopio. "Adventist college student perceptions of health risk behaviors." 2<sup>nd</sup> Annual Human Subjects Research Conference, Sum-mit on Nurture and Retention. General Conference of Seventh-day Adventists, Silver Spring, MD. November 18-20, 2013.
- D. C. McBride, G. L. Hopkins, **A.M. Baltazar, C. J. VanderWaal**, K. Conopio. "Family dinners and substance use and sexual activity in a prohibitionist university population." American Public Health Association, Boston, MA. November 2-6, 2013.
- D. Davis.** "Teaching fundamentals of faith & spirituality to social work students." National Association of Christian Social Workers Convention. Atlanta, Georgia. October 17-20, 2013.
- D. Davis.** "Coping strategies for stressed-filled women." Adventist Conference on Family Research & Practice. Berrien Springs, Michigan. July 18-21, 2013.
- W. Thompson, D. C. McBride, D. Sedlacek.** (2013). "Correlates of Perceived Emotional/Verbal and Spiritual Abuse of Pastors Children When They were Kids." Adventist Conference on Family Research and Practice. Andrews University, Berrien Springs, Michigan. July 18-21, 2013.
- Duane McBride, **Wendy Thompson**, Rene Drumm & David Sedlacek. "Correlates of Perceived Emotional/Verbal and Spiritual Abuse of Adult Children of Pastors." Nurture and Retention Summit. General Conference of Seventh-day Adventists, Silver Spring, MD. November 18-20, 2013. <http://www.adventistarchives.org/correlates-of-perceived-emotional/verbal-and-spiritual-abuse-of-adult-children-of-pastors.pdf>
- J. T. Gavin, W. Ellis & **C. J. VanderWaal.** (2013, November). "Right in our own backyard: The role of volunteering on church attendance and retention among Seventh-day Adventist faculty and staff." Presented at the 2<sup>nd</sup> Annual Human Subjects Research Conference, Summit on Nurture and Retention. General Conference of Seventh-day Adventists, Silver Spring, MD. November 18-20, 2013.



It would not be a true Year in Review without mentioning our snowy winter and the unprecedented FOUR academic "snow days" we had in January, canceling classes. All that snow is forgotten now that summer is here and the campus is lush and green, but the memories definitely live on in photos!



College of Arts  
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