



College of Arts  
& Sciences

# YEAR IN REVIEW

2015/2016





# DEAN'S MESSAGE

The College of Arts and Sciences educates every Andrews University undergraduate student with immersive courses in the

humanities, social, and natural sciences. Our undergraduate and graduate students work with one-hundred-thirty-one world-class faculty members dedicated to teaching and research excellence in seventy-five undergraduate majors, forty-six minors, and sixteen graduate programs.

Our departments and programs – from the natural sciences to the humanities to the social sciences – are united in their diversity by a commitment to the value of a liberal arts education. Yet, we are not afraid of change, as we constantly evolve to adapt to the needs of our students. This past year the Department of Visual Arts and Design has rejoined the College of Arts and Sciences and was combined with the Department of Communication to become the Department of Visual Art, Communication, and Design.

Our faculty and staff are internationally recognized scholars, innovative researchers, and award-winning teachers, who are dedicated to sharing their knowledge and ideas with students. For example, Dr. Øystein LaBianca received the "Best Scholarly Book on Archaeology" from the Biblical Archaeology Society. Our students are among the brightest and most talented in the country. They learn the skills necessary to be successful in an increasingly global, technological, and interdisciplinary world. Many of our graduates have gone on to receive advanced degrees from nationally and internationally recognized programs.

Research, international travel, and service opportunities abound for both graduate and undergraduate students of Arts and Sciences. Not only are they able to research one-on-one with faculty in programs across our fifteen departments, we provide the means to travel abroad to locations like Asia, Europe, Africa, and South America, allowing our students to see the world beyond the walls of a classroom.

I encourage you to browse our website (<https://www.andrews.edu/cas/>) for more information about our departments and programs of study. The site is filled with resources for parents, current and prospective students, alumni, faculty, and staff. Finally, enjoy exploring this brief review of the 2015-16 school year and discover more about the vibrant and productive learning environment of the Andrews University College of Arts and Sciences.

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

All photos were provided by the Andrews University Office of Integrated Marketing & Communication, unless otherwise noted.

# EXPLORE ANDREWS

Text: Aaron Moushon / Photo: Don May



**THE EXPLORE ANDREWS** Program has successfully completed its first full year. Throughout the course of the 2015–2016 school year, nearly 100 students have worked with the director of the Explore Andrews Program, Aaron Moushon, to better understand the academic offerings of Andrews University and how these programs translate into career and graduate school prospects.

The Explore Andrews Program set goals of increasing many key enrollment indicators for undeclared students. This group of students has traditionally been less likely to enroll, persist, and graduate on time. In the first year of the program, the University has seen a four-fold increase in the yield rate of students admitted as “undecided.” Additionally, the first year retention rate has increased and now surpasses the University retention rate for all student types.

To increase the ways that students can explore major and career options, the Explore Andrews Program will launch a few new initiatives in the next year. These will include expanded job shadowing opportunities, luncheons with career professionals, and the new ***Andrews Early College Experience***.

The Andrews Early College Experience offers rising high school seniors and new incoming freshman a unique college experience on our main campus in Berrien Springs, MI. Students will participate in one college course, as well as enjoy value-added seminars and cultural tours as part of a comprehensive University package. By participating in the program, High



A group of Explore Andrews Students with program director Aaron Moushon during orientation week.

School juniors and seniors will have the opportunity to start the academic exploration process before they enroll as freshman. We hope to help some students find academic and career focus during the summer months by spending quality academic time with faculty and staff on campus.

As the Explore Andrews Program continues to grow, we will become increasingly reliant on the exceptional talents of the faculty of the College of Arts and Sciences. Students who are uncertain of their academic major will primarily take courses from the Andrews Core Experience (ACE) in their first year. The faculty of the College of Arts and Sciences offers the majority of these courses, and the experience students receive in each class is a critical component in their academic experience. The leadership of the Explore Andrews Program is grateful for the excellent instruction and kind-hearted guidance each student receives in these courses. The Explore Andrews Program would not be the same without the effort of the CAS faculty and we so thankful for your continued support.

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WEBSITE: [andrews.edu/exploreandrews](http://andrews.edu/exploreandrews)



ENGLISH

CENTER FOR INTENSIVE ENGLISH PROGRAMS

HISTORY & POLITICAL SCIENCE

# HUMANITIES

INTERNATIONAL LANGUAGE & GLOBAL STUDIES

MUSIC

RELIGION & BIBLICAL LANGUAGES

# DEPARTMENT OF ENGLISH

Text: Dr. Meredith Jones Gray / Photo: Department of English

**WRITING IS OUR** life in the Department of English. Writing specialist and professor Beverly Matiko teaches a class for English majors called *The Writing Life*, a course that examines “the writing life by attending to people in the know—people who have devoted themselves to creating art with language.” In this community of scholars we have devoted our lives to creating with language, as well as reading and discussing art and writing and language. We invite you to catch a glimpse of one year in the writing life of the English department.

***We teach and learn writing.*** This year more than 450 students took writing classes in the Department of English: composition classes, creative writing classes, advanced research classes, and many others. In just one section of the average composition class, English teachers read and respond to approximately 550 pages of student writing each semester. It is a time-consuming and challenging process. But in the course of reading what our students have crafted there are many rewards—such as these:

- learning more about our own classrooms from a student research paper about millennials and academic entitlement.
- delighting in the act of creation we witness in the first two lines of student Taylor Clayburn’s poem, “From the Charred Remains of a Treasure Hunter’s Journal”: “Never trust a dragon with blue-green eyes/and iridescent periwinkle scales.”
- meditating on a freshman essay by Jakub Krzywon entitled “The Complexities of Labor in Ecclesiastes: An Interpretive Reconciliation,” and being reminded that it is the enjoyment we find in our labor that helps to offset the inevitable weariness that we all experience as we labor. That enjoyment and its accompanying solace is the gift God embedded in labor.

***We write.*** In the Department of English we revel in, analyze, discuss, and write about the best writing the English language has to offer. English faculty and students alike this year have written, published, and presented about their discipline. We are proud of each and



English professor Vanessa Corredera launches English majors in their writing lives in the department’s introductory course, *Much Ado About English*.

every one. Some have received special recognition. English professors Scott Moncrieff and Vanessa Corredera received honorary mention by the Associated Church Press (ACP) in their “Best of the Church Press” awards for the coauthored article, “Fiction and Film: Thoughts on Teaching Potentially Controversial Narratives,” published in the October/November 2015 issue of *The Journal of Adventist Education*. Among our students, Alejandra Castillo, junior English major, won first prize in the category of Arts and Humanities when she presented her groundwork study for her honors thesis, entitled “Artistic Anarchy in Gregori Kozintsev’s *Hamlet* (1964),” in a poster session at the annual conference of the National Collegiate Honors Council, held in Chicago.

***We mentor writing.*** Every writing assignment an English teacher makes—whether it be in a writing, literature or language class—is a mentorship of writing. Often that mentorship goes beyond the classroom. Bruce Closser, director of the Writing Center, and his team of tutors, many of them English majors and graduate students, mentor writing free of cost to students across campus. This year they served over 1,000 student clients. Professors also give generously of their time to mentor graduate project papers, personal statements and papers for graduate school applications, undergraduate research projects, and honors theses. This year the College of Arts and Sciences presented L. Monique Pittman with an Undergraduate Research Mentor Award for her transformative work guiding the research and writing of young scholars. During her career at Andrews University, Dr. Pittman has mentored more than 25 honors thesis projects.

Recognizing that writing is one of the most important abilities and skills students cultivate during their college years, the Department of English this year has initiated new writing opportunities. A Writing Minor has been inaugurated that can be combined with any major on campus and gives excellent added value to any Andrews degree. And this summer two of our upper division English majors, Christopher McLean-Wheeler and Ludanne Francis, are pioneering in the new Writing Internship, serving as writers for Andrews Integrated Marketing and Communication.

C. S. Lewis said, “You can make anything by writing.” The Department of English has made a good year in its writing life.

WEBSITE: [Andrews.edu/english](http://Andrews.edu/english)

FACEBOOK: [Andrews University Department of English](https://www.facebook.com/AndrewsUniversityDepartmentofEnglish)

# CENTER FOR INTENSIVE ENGLISH PROGRAMS

Text: Christian Stuart / Photos: Darren Heslop



A cohort of CIEP ESL students from Brazil, China, South Korea, and Venezuela enjoy the autumn weather on the Andrews University campus.

**SEVERAL GOOD CHANGES** came to the Center for Intensive English Programs (CIEP) this past academic year. As the official English-as-a-second-language (ESL) center on the Andrews University campus, CIEP serves Andrews students who need to demonstrate English-language proficiency before beginning their academic programs of study and individuals from the community and beyond who come to Andrews to learn English. With these two groups of students in mind, the CIEP faculty restructured the curriculum this past year to more strategically develop students' academic English and communication skills.

Probably the most significant change to the CIEP curriculum has been the move from three academic levels to four. For many years in CIEP, intermediate-level students were placed in a single level. Over the last few years, it became evident that this single intermediate level actually represented a wide range of English-language abilities. As part of the new curriculum plans this year, therefore, the CIEP faculty created a fourth level so that lower-intermediate and upper-intermediate students could be more accurately placed in different levels appropriate to their learning needs. As part of this change, new core classes in grammar, listening and speaking, and reading and writing were designed at each of the four levels; in addition, skill-building classes focusing on conversation, pronunciation, slang and idioms, American history and culture, college writing, and Ted Talks were designed to give students the chance to develop their language skills in interdisciplinary academic contexts.

Another positive development in CIEP this year has been the creation of a new library of graded readers for ESL students. These readers are original works and abridged versions of popular books and literature designed specifically for comprehension at different levels of English-language development. The CIEP library currently has nearly 200 new titles and is still growing. In addition to the graded readers, the library has a number of new resources to supplement class work and to help students prepare for English-language tests such as the TOEFL.

Moreover, CIEP Director Dr. Christian Stuart made the decision this year to replace Action America, CIEP's long-running non-academic summer language and cultural immersion program, with a full academic summer semester of ESL classes.

After visiting South Korea in September and Brazil in December to promote CIEP, Dr. Stuart found that interest in a summer ESL program had shifted away from a non-academic field-trip based program to an intensive *academic* program that welcomes both college students and professionals. The new CIEP summer semester is an eight-week program, offered in June and July, and core CIEP classes at all levels are taught. The summer semester is a full academic semester, and students applying to programs at Andrews will have their summer ESL classes counted toward meeting the university's English-language requirements. Individuals only wanting to study English in the summer are also welcome. Future plans for the CIEP summer semester include creating special tracks of the ESL program for professionals in business, education, and church work around the world.

Finally, CIEP saw some key personnel changes this past year. Professor Luda Vine, an adjunct professor in CIEP, began also working as CIEP's office manager. Her extensive teaching experience in CIEP has allowed her to contribute significantly to CIEP administration, including major support in the development of the new curriculum. Also, Professor Janet Blackwood has transitioned from her role as Director of Off-Campus TESOL Programs in the Department of English to CIEP as the new Programs Coordinator, where she assists the CIEP Director in creating and maintaining new programs, marketing, and recruiting.

[WEBSITE: Andrews.edu/cas/English/esl](http://www.andrews.edu/cas/English/esl)  
[FACEBOOK: Andrews University Center for Intensive English Programs](https://www.facebook.com/AndrewsUniversityCenterforIntensiveEnglishPrograms)



Dr. Paul Matychuk assists one of his students in his Advanced Writing class.

# DEPARTMENT OF HISTORY & POLITICAL SCIENCE

Text: Dr. Stephanie Carpenter / Photo: Tanya Ebenezer

**THE DEPARTMENT OF** History & Political Science had an exciting and jam-packed 2015-16 academic year; we begin as students and faculty gathered at the start of the year to hear of summer internship experiences. Alaryss Bosco '16 (BA, Political Science and JN Andrews Honors Scholar) interned as a legal research assistant at McDonald Murholme Barristers and Solicitors in Melbourne, Australia. McDonald Murholme primarily deals with employment law and Alaryss worked with clients taking statements, drafting letters and applications to Fair Work Australia, and prepared documents for Barristers in the Federal Circuit Court of Australia. Alaryss told us, "I found the work really stimulating and challenging especially as I do not have a law degree yet; however the position provided unique insight into issues of Employment law and corresponding Human Rights law."

Shenika McDonald '16 (BS, Political Science and JN Andrews Honors Scholar) received a coveted internship with the Congressional Black Caucus Foundation in Washington, DC. Describing the summer as "the most amazing experience of my life," McDonald interned for Rep. Yvette D. Clarke (9<sup>th</sup> Cong. District, NY) where she spent her days answering phones, assisting constituents, and preparing press releases and talking points for distribution. One of the more meaningful experiences McDonald participated in was Mock Congress. The interns wrote bills to debate in front of Members of Congress, respective politicians, and staff. McDonald's bill was chosen as 1 of the 5 bills debated. Her bill, Police Accountability Act of 2015, provides for the data collection of police homicides (by the FBI & Bureau of Justice Statistics) and the removal of bias within the grand jury with the creation of special prosecutors.

This year, the department hosted a variety of documentaries, lectures, and workshops for the greater AU community. To commemorate national Heritage Months, we held documentary film screenings and created cultural



President Andrea Luxton wishing Dr. Strayer a pleasant retirement.

displays. Students from across campus attended events for Hispanic Heritage, Native American Heritage, Black History, Women's History, and Asia Pacific American Heritage Months. Dr. Stephanie Carpenter, along with several history and political science students, spearheaded efforts to bring greater awareness to campus regarding these underrepresented groups. In Spring 2016, Pi Sigma Alpha (political science honor society) invited Dr. Michelle L. Chin to speak to students and faculty in classes and conduct an afternoon workshop. Dr. Chin '90 (political economy) is a Senior Researcher and Policy Analyst for the Learning Policy Institute in Washington, DC. Our department honor societies, Phi Alpha Theta (history) and Pi Sigma Alpha (political science), along with the Pre-Law Club, hosted social events this year including department Vespers, Super Bowl party, and end-of-year banquet.

At the end of the academic year, we said goodbye to long-time AU History professor, Brian Strayer. After 33 years as an Andrews' faculty member, "Strayer the Slayer" is retiring from teaching. Seeing

the humor in a retirement reception scheduled for April 1, Dr. Strayer's graciously shook hands with more than one hundred well-wishers for several hours. His compassion and dedication to teaching was underscored by his colleagues and students who gave tribute to his long distinguished career. While Brian is retiring from classroom teaching, he will not be idle. He is completing work on his manuscript, *John Byington: First General Conference President, Circuit-Riding Preacher, and Radical Reformer* (forthcoming, 2018). In addition he will lead an Adventist Heritage Tour of New England in September, present several workshops for the Michigan Conference Teachers' Convention in August, and finishing a series of talks on the history of the Auburn SDA Church in Auburn, NY, celebrating its 100th anniversary this year.

With the end of the 2015-2016 academic year we look forward to the new year that begins in August.

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WEBSITE: [Andrews.edu/history](http://Andrews.edu/history)  
FACEBOOK: [Andrews University, Department of History & Political Science](https://www.facebook.com/AndrewsUniversity/DepartmentofHistoryandPoliticalScience)

Text: Dr. Pedro Navia / Photos: Department of International Languages & Global Studies

**THE 2015-2016 ACADEMIC** year was full of activities for the Department of International Languages & Global Studies.

Professor Sonia Badenas became Dr. Sonia Badenas after successfully defending her doctoral dissertation in front of the specialists who guided her through the process of researching and writing.

Dr. Badenas and Dr. Navia attended professional conferences in the United States and Latin America to make presentations about their respective research findings. Prof. Ruben Perez-Schulz participated as session chair of one of the Conference on Humanities meeting held at Andrews University during the month of May 2016, which was organized by the Office of the Scholarly Research.

Both the French and the Spanish clubs were very active by organizing many activities on campus, such as vespers, social events, music presentations, and cultural nights. Officers of those clubs worked very hard to bring a flavor of cultures to the rest of the students on campus. Both clubs activities are always strongly supported by the faculty of the department.

Makarios Ministries had a full agenda of activities visiting different churches and participating in youth rallies/conferences in the Midwest, in order to represent Andrews and talk to other young people about the importance of getting a college degree from a Christian institution. It is amazing to see how young people are willing to listen so carefully to others of similar age.

Twenty five students decided to participate in the study abroad experience through Adventist Colleges Abroad (ACA), traveling to Argentina, Austria, Italy, France, and Spain. Faculty members of the International Languages & Global Studies kept a permanent contact with them as they faced typical challenges of experiencing a new culture for a full academic year. They participated in classes, trips, religious and social activities, as well as some community services. The



Students enjoying the 2016 study tour.



overseas faculty are doing a great job at helping students develop fluency in foreign languages.

The school year ended with an exciting study tour to South America. The group of 22 students who registered for this academic activity had the opportunity to visit five countries in 26 days. The experience began in Colombia, continued in Peru, Argentina and Paraguay, and it ended in Brazil, where they visited the city of the upcoming 2016 Summer Olympic Games. Participating students had the opportunity to live authentic experience by talking to locals, seeing their lifestyles, listening to their challenges, attending lectures, visiting museums, and eating variety of foods.

“I would say that this study tour helped me learn many things, all while having a blast,” said Claire Covrig. “We were given the chance to be immersed in rich culture, beauty, and diversity. There was so much to learn, yet it was so much more fulfilling and

enriching than the equivalent of sitting in a classroom. A study tour such as this one is one of the best things to do to learn about the world around us.”

Finally, plans to develop a Center for Worldwide Internships began last year under the concept of Global Studies and it is expected to be finalized sometime in the 2016-2017 school year. The project is supervised by Dr. Pedro Navia, Department Chair, and it has the purpose of providing internship opportunities to Andrews University students who would like to broaden their college experience by participating in a short or long term non-paid international internship/practicum. Eventually, in the near future, a list of companies and countries will be available to students so they can choose and apply.

WEBSITE: [Andrews.edu/inls](http://Andrews.edu/inls)  
FACEBOOK: [International Languages and Global Studies](#)



# DEPARTMENT OF MUSIC

Text:Trina Thompson / Photos: Tanya Ebenezer



Professor Zork, winner of the Siegfried H. Horn Excellence Award, conducting the Andrews University choir.

**THIS SPRING, STEPHEN** Zork, professor of choral studies and voice, won Andrews University's Humanities Division Siegfried H. Horn Excellence Award. This prestigious award recognizes a remarkable and sustained commitment to research and creative activity. Zork has been an invited festival conductor, workshop clinician, and guest lecturer around the world. His recording credits include producing, arranging and conducting six albums published through Chapel Records. In addition to leading numerous international concert tours, Zork's choirs have performed at the American Choral Directors Association and the Music Educators National Conference. His graduates are widely sought for advanced study and a variety of conductor positions worldwide.

A high level of professional activity is a hallmark of the AU Department of Music. In fact, Zork's win is the department's second in a row: Carla Trynchuk, professor of violin and coordinator of the AU strings division, won the Siegfried H. Horn Excellence Award in 2015! This past summer she gave the Brazilian premier of the Barber violin concerto. In January, Carlos Flores, professor of theory and piano, published an electronic edition of his comprehensive music-theory textbook, *Principios de Melodía y de Armonía (Principles of Melody and Harmony)*. Ken Logan, professor of organ, is also an active composer. He published two choral anthems in the spring of this year: "Go, Songs" with Colla Voce Music, and "Come, O Messiah" with Augsburg Fortress Press.

In March, violin major WayAnne Watson (B.S. Music, 2015) won the 2016 Kapp Award for her paper, "Mashup Strategies in Las cuatro estaciones porteñas: A model for connecting compositional techniques to cultural interpretations." The award, given by the Michigan Academy of Science, Arts, and Letters, recognizes the most outstanding undergraduate paper presented at the MASAL annual conference.

In May, three AU music majors were selected to present at the Adventist Research Conference. Graduate student Zach

Harris presented on classical rhetoric in the lyrics of Bob Dylan. Senior piano major Jonathan Doram gave a lecture recital on the complex variation techniques in the Bach/Busoni D-minor chaconne. Junior violin major Richard Clark gave a lecture recital exploring the stylistic influences on Beethoven's op. 61 violin concerto.

The 2015–2016 school year marked the twenty-fifth year of Dr. Lilianne Doukhan's tenure at Andrews University. As professor of music history and musicology, she specializes in church music. From 1991 to 2000, she held the Oliver S. Beltz Chair of Worship and Music. She is the author of the article on Seventh-day Adventist music in the Oxford Music Online *New Grove Dictionary of American Music*. Her book, *In Tune with God*, draws on both modern scholarship and Biblical expertise in order to demonstrate how music in the church can serve to uplift rather than divide. She continues to lecture and hold workshops on church music all around the world. A beloved teacher, Dr. Doukhan won the Daniel A. Augsburg Excellence in Teaching Award in 2010. For the past three years, she served as the chair of the music department. Dr. Doukhan has announced that she will retire in July 2016. We will miss her deeply, and we wish her all the best for her next adventure.

Dr. Karin Thompson will join the Department of Music this summer. With a Ph.D. in Historical Musicology from the University of Maryland, her research interests encompass both church music and ethnomusicology. Dr. Thompson is an active performer with a Master's degree in Cello Performance from the Peabody Conservatory. An experienced pedagogue and administrator, she taught previously at Atlantic Union College and Walla Walla University.

WEBSITE: [Andrews.edu/music](http://Andrews.edu/music)

FACEBOOK: [Andrews University Department of Music](https://www.facebook.com/AndrewsUniversityDepartmentofMusic)



Dr. Lilianne Doukhan, receiving flowers and well wishes from her students.

# DEPARTMENT OF RELIGION & BIBLICAL LANGUAGES

Text: Dr. Paul Petersen / Photos: Dr. Glenn Russell



Students take a photo at one of the scenic views on the 2015-16 religion study tour.



Department of Religion and Biblical Languages professors gathering outside Buller Hall.

**AROUND 100 STUDENTS** major in either Theology or one of the tracks for a BA in Religion at Andrews. For some years the department has managed to maintain this number in spite of general challenges in student numbers. Also this year our student body is international. Among our May 2016 graduates we count students from Norway, Tanzania, Haiti, and we have served students from Chile, Brazil, Papua New Guinea, Mexico etc., alongside a broad and diverse representation from within the United States.

This international flavor is maintained in our faculty. This year Professor Ante Jeronic moved to the Seminary and was replaced by Davide Sciarabba, originally from Italy, with working experience as a pastor in both France and Spain. Between ourselves, the faculty still covers a vast amount of languages and have served the SDA Church worldwide with experience in programs, preaching, and teaching on all continents, except for Antarctica – we still await for our tour organizer to solve that challenge.

Tours, of course, play a significant role in the life of the department. Dr. Rubén Muñoz-Larrondo led a Bible Lands/Reformation Tour in May for 30 students, among them a good number of general education students whom we serve with great pleasure. Dr. Glenn Russell has, as usual, arranged for several mission tours, to Honduras and to Lebanon where students are given the privilege of contributing to the spiritual and personal life of children and young people in other parts of the world.

Over the last few years the faculty has assessed and updated several of its pro-

grams. The revised Theology program contains more practical theology, but has also been streamlined for more efficiency in both teaching of biblical and theological areas. The first group of students in the program will graduate next year, though a few transfer students have already managed to come through.

A new track has been established for Religion students who primarily aim for another major, but want to use the opportunity Andrews provides for taking Religion. We call this track *Religion & Society* because it is geared to help students study religious and biblical topics that are linked to their vocational major. It is one of our attempts to work with other departments. It also happens in other ways, such as in ethics and science, where we have developed classes targeting specific interest groups, such as biology and health.

Globalism is in focus in education today, and this year Religion initiated a *Certificate in Missions and Global Awareness*, and the class *Global Adventism* was taught for the first time. Along with two other certificates, this will also be developed as an online certificate. The department works closely with the School of Distance Education (SDE), and we are especially excited about next year's launch of our online Certificate in Hispanic Ministry. Textbooks are at the moment being written and edited by competent Adventist scholars from the Hispanic world. Working with SDE also has involved the department in overseeing and helping to develop programs in places as far as Hong Kong and Venezuela.

Students graduating from the Department of Religion & Biblical Languages at Andrews University serve the world field today in many different capacities, in TV ministry, as conference presidents, departmental leaders, and of course as pastors of local churches worldwide. Within the last few years graduates from the department have been employed to serve in many parts of continental US, of course in the Lake Union areas, but also from Pennsylvania and New York to Texas and California. Students also work as pastors in Cap Verde and Norway, and student missionaries have gone to places like Chile, Argentina, Hawaii, and Guam. We look forward to seeing our service to the global community of Adventists continue.

WEBSITE: [Andrews.edu/religion](http://Andrews.edu/religion)

FACEBOOK: [Andrews University Religion Department](https://www.facebook.com/AndrewsUniversityReligionDepartment)



AGRICULTURE

BIOLOGY

CHEMISTRY & BIOCHEMISTRY

# STEM



ENGINEERING & COMPUTER SCIENCE

MATHEMATICS

PHYSICS



# DEPARTMENT OF AGRICULTURE

Text: Dr. Katherine Koudele / Photo: Garth Woodruff



A group of Agriculture Department graduates, May 2016.

**WE ARE ENJOYING** our second year back as part of the College of Arts & Sciences. We have felt very welcomed in this *collegial* environment. Here is the news and some highlights from the four main programs our department offers:

**Agribusiness** – As a combination of agriculture and business classes, graduates from this program are well on their way to meeting the prerequisites for the Masters in Business Administration here at Andrews. One of our 2016 graduates is planning to start her MBA in the fall 2016. Others have accepted positions as a dairy herdsman in Wisconsin, and as a specialist at a farmers' co-op in southwest Michigan.

**Animal Science** – It has been a good year for acceptances to graduate schools for our students. 88% of those that applied were accepted. They will be attending veterinary colleges at Ross University (St. Kitts), Lincoln Memorial (Tennessee), and starting Masters programs at Texas A & M and Andrews. One is also beginning medical school at Loma Linda University.

**Landscape Design** – This past year the Landscape Design students and faculty completed several service projects. The main ones involved designing master plans for both the women's dorm on the AU campus, and the Berrien County Council for Children building. On top of this, students and faculty worked to design the front patio and donor appreciation walk at the Curious Kids' Museum, St. Joseph, MI.

**International Agriculture Development** – We are encouraged by the interest in our newest program, that's beginning its fifth year. During the summer of 2016 we had students in international internships in Jordan (green roofs and their environmental impact), Fiji (food security of small-scale agricultural operations), and Cuba (sustainability of local fisheries). We have partnered with ADRA to develop more internship opportunities for our students and one stu-

dent has recently completed an internship with them in Madagascar.

## UPDATES:

**Vineyard scholarship** A generous donor in our county partnered with us some years ago to manage an 80-acre vineyard under contract with Welch's that he had just purchased. A large share of the profits from the sale of the grapes was to be used for student scholarships. Due to expenses rehabilitating the vineyard and some adverse weather in the past few years, we have not had enough profit to offer many scholarships. But this year the profits and residuals from Welch's for the last few growing seasons have culminated in a decent sum to offer to our new students in these three programs: Agribusiness/Agriculture, Landscape Design/Horticulture, and International Agriculture Development. We can offer them a total of \$5000 for the duration of the four years they are in the program. We are very excited about this chance to help our students!

**Mobile Farmers' Market** This is the third year we have collaborated with our partners in Berrien County to operate the Mobile Farmers' Market. We have received grant funding from the state of Michigan as well as other sources to take fresh produce to those in our county that do not have access to it, aka the USDA "food deserts." This has been a voluntary effort on the part of our faculty member Garth Woodruff, and has been a great deal of work including the data analysis and reporting required for a grant. But he has willingly done so out of a heart for service to others. In recognition of his efforts, he was presented with the Bruce E. Lee service award at the last CAS Faculty meeting of the 2015-2016 school year. We are very proud of all he has done to help the neediest among us and burnish the image of Andrews University.

WEBSITE: [Andrews.edu/agriculture](http://Andrews.edu/agriculture)

FACEBOOK: [Andrews University Department of Agriculture](https://www.facebook.com/AndrewsUniversityDepartmentofAgriculture)

# DEPARTMENT OF BIOLOGY

Text: Department of Biology / Photos: Kanya Long and Monique Pittman

**NOT ONLY DOES** the Biology department's wealth come in the form of cultivated knowledge, but also in the sharing of that knowledge with others. Over this past school year, several faculty and students were given the privilege to travel abroad and share their research with captivated audiences.

Dr. Daniel Gonzalez-Socoloske, assistant professor of biology, attended the 16th annual conference of Marine Mammal Specialists in Latin America in Cartagena, Columbia from December 1-3, 2014. An invited speaker, he gave a talk titled "Sonar, hidrófonos y hojas de banana: Métodos innovadores para estudiar sirenios en América Latina [Sonar, hydrophones, and banana leaves: Innovative methods to study sirenians in Latin America]." He also co-authored a talk, along with Dr. Mumi Kikuchi on the "Application of animal-borne digital recorders to monitor the movement and feeding events of manatees."

In December of 2014, Nelson Starkey (BS 2015, currently at Loma Linda University) and his research advisor Dr. Kanya Long traveled to Iquitos, Peru to research the gut microbiota of mosquitoes and its effect on disease vector competence. Nelson was the first student to be funded by the Dennis Woodland Field Research Fund, a fund instituted just last year to support small grants to current students who are engaged in field-based investigations in biology. While in Iquitos, Nelson collected two species of



mosquito from the San Juan district of Iquitos and the forest near the village of Zungaro Cocha for identification and DNA analysis. This trip was valuable for Nelson, not only because it involved real-world science, but also because of the opportunity to work with people of a different language and culture.

From January 5 to 8, 2015, Dr. Benjamin Navia attended a neurobiology workshop held at Cornell University, sponsored by the Department of Neurobiology and Behavior at Cornell and ADInstruments. The workshop was taught by prominent neurobiologists Ron Hoy and Bruce Johnson, both from Cornell's Department of Neurobiology and Behavior. The purpose of the workshop was to improve the teaching of neurobiology at the undergraduate level, using preparations and techniques that will enrich the lab experience of students enrolled in neurobiology at Andrews.

On March 13th, 2015, the Annual Michigan Academy of Science, Arts, and Letters (MASAL) meeting was held at our own Andrews University. So we didn't have far to travel! Many members of the Department of Biology presented in various sections, including Biochemistry and Molecular Biology, Chemistry, Environmental Science & Ecology, and Zoology. In addition, professors Jim Hayward (Biology) and Shandelle Henson (Mathematics) presented the keynote lecture, which explored the links between climate change and seabird ecology.

From October 17-21, 2015, Dr. Benjamin Navia along with seniors Re'Jeanne Greene and Jeong Bin Lee attended



the 45th annual meeting of the Society for Neuroscience, which took place in Chicago. Re'Jeanne and Jeong Bin had the opportunity to present their research at a poster session and were able to interact with other students as well as experts in the field. Dr. Pamela Litvak also attended and presented part of the MS thesis work of one of her recent graduate students, Mikyung Kim, who is currently in a PhD program in South Korea, studying exercise physiology. From October 25-29, 2015, Dr. Kanya Long and grad student Jemma McLeish attended the annual meeting of the American Society of Tropical Medicine and Hygiene. Dr. Long was a coauthor of two abstracts discussing the transmission of dengue virus.

As you can see, it has been a big year for us, and we look forward to the future, as we continue seeking to understand God's creations and His plans for us all.

WEBSITE: [Andrews.edu/biology](http://Andrews.edu/biology)  
FACEBOOK: [Andrews University Biology](https://www.facebook.com/AndrewsUniversityBiology)



# DEPARTMENT OF CHEMISTRY & BIOCHEMISTRY

Text: Dr. David Nowack and John Rorabeck / Photos: IMC

**WE HAVE HAD** an eventful year in the forensic lab. Submissions are up, and trends show a shift away from cocaine toward heroin, reflecting a national trend fueled by cheaper prices for heroin and increased penalties and safeguards against the recent rise in prescription opioid abuse.

The marijuana landscape is changing as well. In 1972, when the Berrien County Forensic Lab began operations, “street grade” marijuana typically contained 4% THC. Today, advances in horticulture have pushed that up to nearly 20% THC in the dried flowers and buds of *Cannabis Sativa*.

Chemists are creative on both sides of this issue. We are seeing an increasing amount of concentrated marijuana products known as hemp oil, butter, wax or resin. These can have up to 80% THC and are typically confiscated with vaporizing pipes. A good analogy is the comparison of beer, with about 6% ethanol, to vodka, at about 50% alcohol.

Complicating the picture for both users and analysts is that these concentrates can be added to scores of different food products. We have seen a variety of baked goods, candies, tea and even beef jerky laced with THC.

I am very thankful for the sensitive and selective nature of the LECO Time-Of-Flight gas chromatograph/ mass spectrometer leased by the Prosecutor’s office. Small samples can be extracted and introduced with micro-syringes yielding great confirmation of these compounds in complex mixtures.

Operating a drug identification lab at Andrews is not only a good contribution to our community’s wellbeing. It also introduces our student to another way that chemists can combine knowledge and technology in real-world applications.

*- John Rorabeck Director BCFL*



## A MESSAGE FROM THE CHAIR:

I have the best job in the world.

I enjoy teaching wonderfully talented and motivated students. Plus, we have the largest number of chemistry and biochemistry majors in the last five years. Our department is bucking the trend of lower enrollments here and across the country!

My departmental colleagues, faculty and staff, are among the best in Adventist chemistry education. They are wonderfully talented, well educated, highly motivated and deeply committed. Each is an expert in their field and communicates their expertise effectively.

Our facilities and instrumentation are in great shape. Ten years from installation, the 400 MHz superconducting NMR is still producing excellent spectra. The renovated organic labs are safer for the students and environment. Other instrumentation is up-to-date and operating efficiently. (Thank you to our generous alumni for your support)

So, you see, I have the best job in the world. And note, I did not say it was the easiest, just the best.

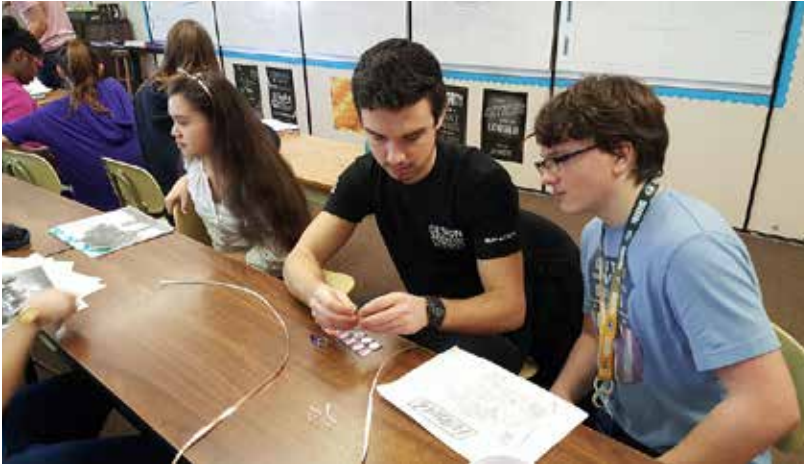
*- D. David Nowack, Chair*

WEBSITE: [Andrews.edu/chemistry](http://Andrews.edu/chemistry)

FACEBOOK: [Andrews University Department of Chemistry and Biochemistry](https://www.facebook.com/AndrewsUniversityDepartmentofChemistryandBiochemistry)

# DEPARTMENT OF ENGINEERING & COMPUTER SCIENCE

Text: Dr. Hyun Kwon and Joleen Yasa / Photos: Engineering & Computer Science faculty



**THE ENGINEERING AND** Computer Science department has recently begun a community outreach program for our neighboring elementary school. ENGR 485 is an engineering class led by Dr. Hyun Kwon and eight of her engineering students who make up mini “Science Art” courses for 7<sup>th</sup> & 8<sup>th</sup> graders at Ruth Murdoch Elementary School, the Adventist elementary school here in Berrien Springs, MI.

This popular class recruited 23 RMES students. A couple of the engineering students helping lead out the class, share their experiences with us: “A truly heart-warming experience to be able to teach these middle school kids” Justin Shin, a freshman here at Andrews University describes when asked to summarize the course. Every Tuesday and Thursday these students go and teach middle school kids about circuits and electronics. The college students encourage the children to explore the world of electronics and circuits and guide them as they create artwork involving LED lights.

As Ashton Fisher says, “I appreciate the kids being interested in science at that age. It’s important to keep young people interested in pursuing careers in STEM programs.” It’s apparent that the mutual bonding growth occurring between these two groups of people really motivates each party in their everyday endeavors.

Seven teams participated in 2016’s Stryker Challenge Competition: two



from Notre Dame, two from University of Michigan, one from Purdue, one from Western Michigan University, and one from the Michigan Colleges Alliance (MCA). Andrews University’s Department of Engineering and Computer Science’s very own Patryk Czajkowski was part of the MCA team that placed fourth overall, showing once again that our students compare favorably with the larger engineering programs in our area.

The MCA team consisted of Patryk Czajkowski (Andrews), Shurjo Maitra (Calvin), Ross Newland (Hope), and Melisa Ramirez (UDM). The Challenge was to design a remotely controlled vehicle that could pick up victims (small Lego people) using a magnet. The situation was a simulated gas leak in downtown Kalamazoo. The competition consisted of two 20-minute halves with a 20-minute half time. There were three separate areas to pick up victims from. The attached course picture shows the teams’ pit areas closest to the camera

and a park on the right, a hospital area in the middle, and downtown stores area on the left. Each area was accessible only through an obstacle path. Some victims were lying on the ground; others were high up on roofs while others were hidden behind doors only opened in response to a prearranged signal (either blinking LED or a sound signal at the appropriate frequency, or by pressing a switch). Points were awarded per victims brought back to the pit area by the vehicle according to the difficulty in accessing them. If the vehicle broke down, the Stryker mentor could bring it back to the pit area for repair, but no points were awarded for victims on the vehicle at that time.

MCA placed fourth in the technical challenge and fourth in the overall competition. Notre Dame’s teams and Western Michigan took the first three positions.

**WEBSITE:** [Andrews.edu/ecs](http://Andrews.edu/ecs)

**FACEBOOK:** [Department of Engineering & Computer Science-AU](https://www.facebook.com/DepartmentofEngineeringandComputerScience-AU)

# DEPARTMENT OF MATHEMATICS

Text: Karen Johnson-McWilliams / Photos: Mathematics Faculty



**2015-16 Seabird Ecology Team. Front (L to R):** Sumiko Weir, Athena Smith, Rashida Smith. **2<sup>nd</sup> Row (kneeling):** Ashley Reichert, Isabelle Hwang, Saharsh Dass. **3<sup>rd</sup> Row (standing):** Dorothea Gallos, Christiane Gallos, Shandelle Henson, Mindy McLarty. **Back row:** Jeremy McLarty, Daniel Reichert, Zachary Reichert, Robbie Polski, James Hayward. *Not pictured: Viktoria Kolpacoff (Those not Team members are in italics.)*

**WHAT MAY SURPRISE** some people is that research, generally associated with the sciences in the realm of graduate studies and large corporations, is actually an important aspect of the undergraduate experience of the Andrews University Department of Mathematics. Because so many of the mathematics professors are both active in research and committed to mentoring, interested undergraduate students have the benefit of conducting research with their mathematics professors and having papers published while they are still undergraduates, a somewhat unique feature that Andrews University can offer to its student body.

Some recent examples of undergraduate researchers include Julie Logan (BS Mathematics/BA Spanish 2016), and Ye Lim Seo (BS Mathematics 2015, now working toward her MS in Actuarial Science at the University of Texas in Dallas), both of whom worked with Dr. Yun Myung Oh, researching aspects of Riemannian submersion manifolds. Julie used her research for her Honors' thesis and presented the results at MASAL in March 2016, and Ye Lim had her paper published in the *American Journal of Undergraduate Research* in 2015. William Tritch (BS Mathematics/BS Physics 2014, now doing his PhD coursework at Texas Tech in Lubbock) worked with Dr. Joon Kang on research using partial differential equations and published a joint paper in the *British Journal of Mathematics & Computer Science* in 2015. Dr. Kang's current student, Timothy Robertson (Senior BS Mathematics), presented his findings at the Joint Mathematics Meeting in January and at MASAL in March 2016 and will have a paper on their collaboration published later in 2016—remarkable feats for a college junior to have achieved.

Spreading mathematical research into biological studies, Dr. Shandelle Henson (Mathematics) and Dr. James Hayward (Biology) offer research opportunities to a variety of undergrad-

uates who have the opportunity to be a part of the ongoing investigations of the Seabird Ecology Team. Besides several papers coauthored with biology graduate students, the Team is currently preparing three publications involving undergraduates, papers with Saharsh Dass (BS Biology/Biomedical 2016, math minor), Waderson Saint Martin (senior BS Biology, currently at La Sierra), and Ashley Reichert (BS Biology/Biomedical 2016). The undergraduate Team members in 2015-16 included three BS Mathematics majors—sophomore twins Christiane and Dorothea Gallos and senior Viktoria Kolpacoff—and BS Biology majors sophomore Isabelle Hwang and seniors Athena Smith and Rashida Smith. Five of the team members graduated this spring 2016: Saharsh Dass, twins Ashley and Zach Reichert (BS Biology/Biomedical), Sumiko Weir (BS Biology/Biomedical), and Robbie Polski (BSE Mechanical Engineering/BS Physics/Mathematical Studies), all heading off to graduate or medical schools in the fall. The loss of these outstanding young researchers affects the Team but opens up positions for new undergraduates to continue the tradition of excellence in research.

For those that think that the research that these young students do is never technical, a description of two of this year's topics should dispel that notion. Robertson summarizes his project with Dr. Kang as an investigation of "mathematical conditions to guarantee the existence and uniqueness of positive solutions to a general elliptic mathematical model. This result generalizes the existence and uniqueness of positive steady-state solutions to a Lotka-Volterra competition model with homogeneous boundary conditions for two species of animals competing in the same environment." And Logan's project with Dr. Oh "found the series solution under an extra condition on the constant curvature when the ratio of torsion to curvature is a linear function. In this project," Logan says, "we figured out a different approach to characterize the rectifying curve by looking at the unit speed curve with nonzero curvature if every rectifying plane of the curve passes through a fixed point called  $x_0$  in  $\mathbb{R}^3$  and found some conditions on the ratio  $\tau/K$  for the sphere curves." Undergraduate research is definitely alive and well in the Department of Mathematics!

**WEBSITE:** [Andrews.edu/math](http://Andrews.edu/math)

**FACEBOOK:** [Andrews University Department of Mathematics](#)



**Timothy Robertson giving the keynote address at the 2016 Pi Mu Epsilon induction.**



# DEPARTMENT OF PHYSICS

Text: Becky St. Clair / Photo: Darren Heslop

**IN FEBRUARY, THE** National Science Foundation and LIGO (the Laser Interferometer Gravitational-Wave Observatory) announced that they had discovered a way to detect gravitational waves. Tiffany Summerscales, associate professor of physics, was one of 1,000 worldwide researchers on the LIGO team, working out how to prove a theory Einstein posited a century ago—which they did.

“Gravity waves are liquid or gas driven into waves by gravity,” explains Summerscales. “Sometimes when you look up in the sky you see wavy clouds layered in stripes, and that’s because of a gravity wave in our atmosphere—a wave in the gases. Gravitational waves are ripples in space itself. These ripples are very weak, so it’s impossible to see their effects in everyday life.”

The discovery of gravitational waves is incredibly important because they come from events that scientists still don’t know a lot about, such as black holes, neutron stars, stellar remnants, supernova explosions, etc. In order to detect the waves these events create, it requires technology like LIGO, capable of measuring distortions one-thousandth the size of a proton.

“For example, black holes don’t give off much light, but they do give off gravitational waves,” Summerscales says. “If we can study these waves, we can learn more about the astronomical events that produce them. It would be very exciting to find gravitational waves somewhere we didn’t expect.”

Summerscales is still working with LIGO; she is currently part of a team of researchers developing and testing a computer algorithm called BayesWave that analyzes the gravitational waves we can now detect. This algorithm distinguishes between a gravitational wave signal and noise, and estimates the signal’s parameters.

“Parameters are things like wave source and properties of the wave itself, such as what its shape is,” says Summerscales. She has recently been helping to run an improved version of the algorithm on data segments to estimate how much computing power is required.



The Department of Physics invited the campus to celebrate with them in February as they honored Summerscales for her role as a LIGO researcher, helping detect gravitational waves and proving one of Einstein’s theories.

The second Advanced LIGO observing run will begin in August/September. The detectors will have improved sensitivity over the last run, and therefore should be able to detect gravitational waves from even greater distances. Additionally, the Virgo detector in Italy will start observing by the end of the year, bringing the total to three detectors.

“This will increase our ability to tell where in the sky the waves are coming from,” says Summerscales. “Better sky locations will help optical astronomers to know where to point their telescopes to see if they can see light coming from the sources of gravitational waves.”

Summerscales believes that before the gravitational waves announcement earlier this year, the most recent big discovery was the New Horizons flyby of Pluto.

“The pictures we got and the things we learned about Pluto are amazing,” she says. “We thought it was a boring lump of icy rocks, but it has mountains and the mountains have snow, and this snow isn’t made of water, it’s made of methane. We have so much to learn about our universe.”

On the shelf of Summerscales’ office sits a well-worn copy of the August 1990 issue of National Geographic Magazine. Inside are stories bidding

farewell to Voyagers 1 and 2, which for 12 years mapped, imaged and analyzed the outer gas giants: Jupiter, Saturn, Uranus and Neptune.

“The pictures we have now make these images look so grainy,” she says, “but I remember seeing these pictures of Io [one of Jupiter’s moons] with the volcanos and it really excited me.”

Summerscales is thrilled to be part of the team that helped discover gravitational waves. She’s also excited about what this means for the future.

“Every time we’ve found a new way to look at the universe we’ve discovered something new,” she says. “Now we have a new way of doing astronomy, and hopefully we’ll be able to use that to learn things about the universe we never knew before. I believe God’s creation shows us elements of his character. Studying the universe has shown me that God is imaginative and loves variety. His creation also has such great depth that we will never run out of surprises or things to explore. And as a scientist and a Christian, I absolutely love that.”

WEBSITE: [Andrews.edu/physics](http://Andrews.edu/physics)

FACEBOOK: [Andrews University Department of Physics](https://www.facebook.com/AndrewsUniversityDepartmentofPhysics)



BEHAVIORAL SCIENCES

COMMUNITY &  
INTERNATIONAL DEVELOPMENT

# SOCIAL SCIENCES

VISUAL ART, COMMUNICATION, & DESIGN

JAMES WHITE LIBRARY

SOCIAL WORK

# DEPARTMENT OF BEHAVIORAL SCIENCES

Text and Photos: Dr. Harvey Burnett



Larry Ulery receiving his retirement gift, an original "Helm" watercolor painting from artist and professor, Dr. Herb Helm

**THIS HAS BEEN** a year of change for the Department of Behavioral Sciences in the form of retirements. Larry Ulery, is retiring after 25 years of service with Andrews University. Larry has been with our department since 1991 and has been responsible for directing the Service Learning Program. During that time, Larry has coordinated over 50 annual blood drives on campus which has resulted in more than 2,300 blood donors, and has interviewed and read over 2,500 essay reflection papers from his service learning students. For his dedication to community service he has won several awards, including the Michigan Campus Compact Faculty Service Award twice, and the Outstanding Service Award for the Social Science Division of the College of Arts and Sciences. Beverly (Bev) Peck is also retiring after 17 years of dedicated service to Andrews University. Bev has been the administrative assistant for our department since 2007 and has been a constant source of support, direction and leadership among our students and faculty. In fact, former department chair Dr. Duane McBride has often referred to Bev as a "Mother in Israel" due to her nurturing care and humility. Bev has also been involved in service to the community and in 2015 received the Excellence in Staff Service Award. Larry and Beverly will be greatly missed.

With Bev retiring, Erica Bradfield will be taking over the reins as administrative assistant. Erica is no stranger to our department, working the front desk as a student worker. She graduated from Andrews University in 2014 with a BS in Behavioral Sciences and a BFA in Visual Arts. Welcome Erica!

One of the most exciting changes that is greatly anticipated to the Behavioral Sciences Department starting this fall is the offering of a Criminal Justice major in Sociology. This has been a long awaited popular degree program that will provide our students with an opportunity to pursue careers in the justice field.

While there has been change, the department has also been blessed in regards to faculty and staff awards and advancement. Dr. Karl Bailey received the John Nevins Andrews Medallion for his dedication and contributions to research in the behavioral sciences field. Dr. Bailey's prestigious award is a reflection of his selfless commitment to the teaching and mentoring of students in outstanding research achievement, as well as assisting his colleagues in advancing major contributions to their professional fields. Dr. Harvey Burnett also received the Andrews University Research Mentor of the Year Award for his contributions to mentoring outstanding research achievement with students. Dr. Joel Raveloharimisy was promoted to the rank of Associate Professor. Two of our faculty were publically recognized for their years of service to Andrews University. Dr. Øystein (Sten) LaBianca was honored for 35 years of faithful service, while Larry Ulery was honored for 25 years. It is an honor to have such faithful and hardworking colleagues within our department.

Research activity among our faculty this year has been strong. On average for the past five years, the Behavioral Sciences Department's has led the College of Arts Sciences in total Faculty Activity Report (FAR) points.

This year we are also proud of our student researchers:

We sent 26 students with Drs. Bailey, Burnett, Helm, Ponce-Rhodas and Chelbegean to the annual Midwestern

Psychological Association conference in Chicago in early May. There were 10 poster presentations with 10 students and one faculty making presentations.

This year's Michigan Academy of Science, Arts & Letters (MASAL) was held at Saginaw Valley State University. We had 3 faculty, 10 undergraduate, and 6 graduate students present their research.

Cooper Hodges (Pre-Professional Psychology major) and Drs. Bailey and McBride presented their research at the 6th International Conference on Self-Determination Theory in Victoria, British Columbia, Canada in early June.

Christiana Atkins (Pre-Professional Psychology major) research with Dr. Burnett on how being trained in specialized disaster behavioral health interventions is related to resilience and trauma health was accepted for publication in *Disaster Health*. Christiana is the first author and recent graduate from our department.

Our department was very excited about the academic achievements of several of our seniors who graduated this year. Charles Abreu was accepted to Loma Linda Medical School, while Kiara Dillard was accepted to Michigan State University Medical School. Both are Behavioral Neuroscience majors. Cooper Hodges was accepted into the Social Psychology PhD program at Brigham Young University.

WEBPAGE: [andrews.edu/bhsc](http://andrews.edu/bhsc)

FACEBOOK: [Department of Behavioral Sciences - Andrews University](#)



Beverly Peck receiving her retirement gift, an original "Helm" watercolor painting from artist and professor, Dr. Herb Helm

# COMMUNITY & INTERNATIONAL DEVELOPMENT PROGRAM

Text: Arian Timoti / Photos: Alexandra Raney and Laura Sohn



Volunteers in front of the Benton Harbor pop up street store.

**THE COMMUNITY & INTERNATIONAL** Development program continues to prepare students for work in the development and humanitarian field. This interdisciplinary program educates practitioners to advance in diverse fields of interests, including humanitarian work, education, administration, health, economic development, social and community services, advocacy, and many others.

In the fall, the Community and International Development Club along with students from a Christian Responses to Human Needs course collaborated to host the 27th Street Store in the United States, and most likely the first ever in Michigan. The Street Store concept originated in Cape Town, South Africa in 2014 as a way to “bridge the gap between the haves and the have nots.” It is the world’s first free pop up store for the homeless. This one-day store was hosted in Benton Harbor in the parking lot of Mosaic Café. With many donations from the community – most

notably, One Place Church – as well as the many individuals who volunteered to sort donations, the Street Store was a success and hundreds of pounds of clothing, shoes, books for babies and adults alike were donated to those in need.

The highlight of the degree for many students is the annual study tour to Madagascar, where students are able to apply the knowledge they have gained. A group of students are currently in Madagascar for this tour in which they have raised over \$10,000 to fund various projects in the country. Last year one of the projects involved building a school, well, and fish farms in a remote village damaged by cyclones. This year, the students will provide 60 solar lamps, as well as 40 new desks and benches for the students of this school. Students will also build a library of French, Malagasy, and English books for a local orphanage. Donations will also fund the building of 20 chicken farms for 20 single or widowed women and their children and provide reflective lamps for another community, so that drivers may see them when travelling in the night.

During the study tour, students visit a number of organizations, youth groups and local business to discuss the challenges facing Madagascar and to learn and share about the different solutions to addressing those issues. USAID Madagascar said of the groups recent visit that “International exchange and learning sessions like this one contribute to a greater understanding of foreign cultures, provide an opportunity to increase awareness of Madagascar’s needs and opportunities and are an important learning experiences for future development workers.” These experiences are invaluable for students.

We are grateful for the many opportunities our students are able to experience, and especially grateful to those who have donated to our projects. The work that is completed does not end in Madagascar, and many of our students return to continue developing their own projects.



CIDP Study tour students delivered solar lamps a football and some new flip flops to students at a local orphanage in Madagascar.

WEBSITE: [Andrews.edu/cidp](http://Andrews.edu/cidp)  
FACEBOOK: Andrews University Community and International Development

# DEPARTMENT OF VISUAL ART, COMMUNICATION, & DESIGN

Text: Steve Hansen / Photos: Dave Sherwin and Clavour Tucker

**THE 2015-16 ACADEMIC** year was one of monumental change for the Departments of Visual Art & Design, and Communication. After a 3-year sojourn in the School of Architecture, Art & Design, the Department of Visual Art & Design reunited with the College of Arts and Sciences. As that move was being accomplished, it became increasingly obvious that there were strong commonalities between Journalism and Design, Broadcast Journalism and Film, and Photojournalism and Photography. Thus it was decided to combine the Department of Communication and the Department of Visual Art & Design into a single Department of Visual Art, Communication & Design. Dr. Rachel Williams-Smith stepped down as Chair of Communication, and Steve Hansen was asked to take on the role of chairing the new Department.

The combined department offered an opportunity to focus on the Broadcast Journalism program. We were able to hire an experienced television producer, and master Communication professor, Dwyane Cheddar to build the program in conjunction with Paul Kim, our Documentary Film professor. We procured major funding for the creation of a broadcasting studio in Smith Hall, as well as capital for equipment, including video cameras, sound equipment, monitors, lighting, and control room features. When the 2016 school year gets underway, we hope to have twin sound stages in Smith Hall, ready for both film and T.V. This will offer exciting opportunities for our students to work in every aspect of video and film production, with the very best professors in the Adventist community.

As part of the process of building the new media studios in Smith Hall, the gallery is being transferred to Harrigan Hall, where the upper-level atrium space is being reborn as a functional gallery space. We are looking forward to the gallery being more central to campus, and hope that more students and faculty will take the opportunity to attend openings and events there. We are also compressing our footprint in Harrigan Hall, ceding office space and classroom space to the Engineering program. We



hope that exposing Engineering students to the events in the Gallery, and the exiting work being done by Photography will lead to interesting cross-pollination between the departments, students and programs. In other building news, the entry of the Art & Design Center, long a nearly invisible eyesore, has been given a huge facelift with new glass doors, a canopy, and landscaping. The main office in the ADC was also renovated, and provides an obvious entry point to the building and programs in Visual Art & Design.

In 2016 we added a full-service design firm to our offerings through the Department of Visual Art, Communication & Design. The firm is called *Articulate* and offers design solutions that include corporate identity, advertising, brochure design, newsletter production, and photography and film production. The top design students are employed under the supervision of design professors, Doug Taylor and Diane Myers and they offer truly professional graphic design print and advertising solutions. This business joins Imaging Services, our print business, and the Communication Media Center, our video production business as the third way our students can earn money while gaining valuable real-life work experiences.

As we move forward, we are excited about the possibilities we have to grow the programs in television and film, continue the close relationship between journalism and design in *Envision Magazine*, and further cement our reputation as a leader in graduate-level Communication offerings. Our design and photography programs continue to produce highly sought after graduates.

WEBSITE: [www.auvad.com](http://www.auvad.com)  
FACEBOOK: [Andrews University Department of Visual Art, Communication & Design](#)



# THE JAMES WHITE LIBRARY

Text: Terry Robertson and Sarah Kimakwa / Photo: Edgar Burgara

**AT THE JAMES** White Library, we understand that a focus on innovation enhances student learning.

*Learn Deeply* is a core strength of Andrews University, and to this end the James White Library is focused on empowering College of Arts and Sciences (CAS) students to be both savvy consumers of information and producers of new knowledge. The new library technologies highlighted below support students' transformation from novice researchers as they become competent participants in disciplinary conversations by serving as a communication hub, connecting the students to the global learning community.

First, to *Learn Deeply* includes empowering our students to be effective consumers of information in an era of information overload. Library Research Guides bring together the essential disciplinary databases that connect our students to the community of learning for their programs.

During the past year, Lauren Matacio has led out in the development of these Library Research Guides for each of the disciplinary areas represented in Andrews University programs. These guides organize and prioritize library resources, with sections on using the library catalog, ebook resources, both broad coverage and discipline specific journal databases, some vetted professional websites, as well as links to the campus scholarship support services. The showcase example is the Behavioral Sciences Research Guide, accessed well over a 1000 times just this year. In the library instruction sessions, we now use these guides to target the

documentary research needs of specific classes. The links for the most pertinent Research Guide can also be included in syllabi, LearningHub sites, and wherever else they might be useful.

Second, to *Learn Deeply* includes empowering our students to be effective producers of new knowledge, and the James White Library now has better tools than ever for creating the documentation of that learning.

To facilitate hardcopy documentation of our students' creativity, the library installed a new printing system during the summer of 2015. As Sarah Kimakwa has observed, "During this last school year, user satisfaction with the printers has been high. Compared with the prior system, complaints and frustrations are way down. These are fast, make good copies, and are easy to use."

In the Media Center, the library now provides a large scale printing service. As Steve Sowder reports, "The large format printer has been very successful. The Fall and Spring semesters see the heaviest use. We print posters for students and faculty that are presenting their research on campus or at conferences. We also print signs and photos and have ventured into murals."

Third, to *Learn Deeply* includes providing our students with the means to share their work. Appreciating that many others beyond the teacher may see their work provides motivation to strive for excellence. The institutional repository, the *Digital Commons @ Andrews University* provides the place where this happens.

On June 1, 2015, the *Digital Commons @ Andrews University* went live. One year later, over 6000 documents are now archived, and download counts have climbed to an average over 600 per day, with just under 130000 total downloads. The most robust usage of collections includes all student works, such as dissertations and theses, and journals.

Of special interest to the College of Arts and Sciences is the Honors Theses Collection in the Digital Commons. We now list 148 theses with pdf documents attached. As of the time of writing, there is a download count of over 8800 from 141 different countries, every continent is well represented. Two Honors Theses are in the All Time Top Ten list: Christian Bacchiocchi, "Mercurio and Romeo: An Analysis of Male Friendship in the Renaissance," (1430 downloads) and Megan Reed, "Narcissism and the Selfie: Investigating Millennial Narcissism on Instagram" (1225 downloads).

Featuring their work in the Digital Commons has proved to be an effective way to showcase our students' scholarship and is one more way they are empowered to *engage globally*. We are hoping to expand the opportunities for more students to this end. In the words of Lawrence Onsager, Dean of Libraries, "The Digital Commons gives us the opportunity to share the outstanding work of our undergraduate researchers and their faculty mentors."



The new copiers and printers available at the James White Library are faster and easier to use.

WEBSITE: [Andrews.edu/library](http://Andrews.edu/library)

FACEBOOK: [James White Library Andrews University](https://www.facebook.com/JamesWhiteLibraryAndrewsUniversity)

# DEPARTMENT OF SOCIAL WORK

Text and Photos: Ingrid Slikkers

## INTERNATIONAL IMMIGRANTS

**AND** refugees are fleeing from war, violence, and human trafficking, searching for places that provide safety and protection. While European countries providing sanctuary are most often highlighted in news coverage, many US states including Michigan are beginning to open their doors to the displaced. Current estimates suggest that Michigan is expected to take in more than 5,000 refugees this year.

Bethany Christian Services, headquartered in Grand Rapids, MI serves immigrants and refugees from all over the world including countries such as Eritrea, Congo, Syria, Afghanistan, El Salvador, Honduras, and Guatemala. The Southwest Michigan Bethany Branch has been developing their work with refugees over the last 3 years in this corner of the State. To date, they have served over 400 individuals, mostly unaccompanied minors who were separated from families fleeing violence, and are now seeking protection and safety in the United States.

Interns from Andrews University's Social Work Department have been able to work directly with these families and children. One intern, Ricky Alarcon, says, "I have gotten the chance to meet countless kids with very unique stories, and I have felt blessed to have the chance to make a difference in their lives. One of my primary roles is doing intakes. I am the first person to meet them at the airport when they get here to the state of Michigan. I make sure to do simple things such as helping the kids feel safe enough to ask for things such as food or the chance to speak with loved ones. The truth of the matter is that many of the kids have gone through traumatic experiences on their journey here to the United States, so I feel as though my job means a lot in terms of being one of the first people who shows them that everything is going to be alright."

Another intern, Mateo Salazar, has been helping re-settle families from the Congo and Syria. As part of his internship hours he is called on frequently to



Paper dolls created by refugee children

drive refugees to needed appointments such as the first medical evaluation upon entering the country. He says, "this work is amazing." A third intern, Brenda Grau, who was part of the clinical team working with children from Central America says, "working with refugees was a beautiful experience. I listened to their explanations about pain and suffering as a result of what they had lived through before leaving their home country or on their journey to the United States...My heart was filled by giving them words of encouragement, hope and the ability to dream of a better future. Knowing I was able to able children feel better made my experience very rewarding."

Rebecca Sauls, AUGSA President and MSW student, recently visited the program to personally deliver a donation check from the proceeds of this year's banquet, which featured Bethany's refugee program as their humanitarian highlight of the evening. As Sauls toured the facility she was visibly moved by what she saw; amidst the suffering and the fear, a glimmer of light is discernable, and Andrews' students have been a vital and very integral part of helping to bring some healing and hope to many in distress.

WEBSITE: [Andrews.edu/sowk](http://Andrews.edu/sowk)  
FACEBOOK: [Andrews University Department of Social Work](https://www.facebook.com/AndrewsUniversityDepartmentofSocialWork)



PEER-REVIEWED PUBLICATIONS

GENERAL PUBLICATIONS

PRESENTATIONS

# FACULTY RESEARCH & CREATIVE ACTIVITY

PERFORMANCES & EXHIBITIONS

RESEARCH GRANTS

UNDERGRADUATE RESEARCH SCHOLARS



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# FACULTY RESEARCH & CREATIVE ACTIVITY

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- S. Trecartin** and T. Trecartin. Disability and the church: Removing barriers to the kingdom of God. Pp. 118-135, in Rudi Maier (ed.), *Church and Society: Missiological Challenges for the Seventh-day Adventist Church*. World Missions Department, Andrews University Theological Seminary: Berrien Springs, MI, 2015.
- S. M. Cummings, **S. Trecartin**, and L. Cooper. Correlates of depression and anxiety among older public housing residents. *Ewha Journal of Social Sciences* 30(2), 79-106, 2014. [http://papers.ssrn.com/sol3/papers.cfm?abstract\\_id=2580708](http://papers.ssrn.com/sol3/papers.cfm?abstract_id=2580708)
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- P. C. Gleason, G. L. Hopkins, M. Eagan, **C. J. VanderWaal**, J. Duffy, and D. C. McBride. Extracurricular screen time among Idaho youth: Prevalence and association with psychological distress. *Journal of the Idaho Academy of Science* 51(1), 1-10, June 2015.

## Visual Art, Communication and Design

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## 2015 GENERAL PUBLICATIONS

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- G. B. Woodruff**. The power of manure. *SpinSheet: Chesapeake Bay Sailing*, 37, Nov 2015.
- G. B. Woodruff**. Protecting the visual seascape. *SpinSheet: Chesapeake Bay Sailing*, 37, May 2015.

### Behavioral Sciences

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Meeting the Needs of CISM Teams throughout the State of Michigan MCRA's Success Through an Annual Training Conference

- H. W. Helm Jr.**, & **K. G. D. Bailey**. An eye for design. *Watercolor Artist*, xx, 46-55, Oct 2015.
- A. M. Baltazar, **D. C. McBride**, C. VanderWaal, and K. Conopio. Sex, drugs, and alcohol: What Adventist college students say about the role of parents and religion. Pp. 68-72, in Willie and Elaine Oliver (eds.), *Reach the world: Healthy families for eternity*. General Conference Department of Family Ministries, AdventSource: Lincoln, NE, 2015.

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# FACULTY RESEARCH & CREATIVE ACTIVITY

GENERAL PUBLICATIONS / PRESENTATIONS

Timothy Arena and **Marianne Kordas**. About the music. *Andrews University Symphony Orchestra: Mendelssohn Symphony No. 2*. Howard Performing Arts Center. Berrien Springs, MI, April 25, 2015.

## Mathematics

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## Visual Art, Communication & Design

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## 2015 PRESENTATIONS

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Taylor Huffman and **Katherine Koudele**. "The relationship between equine temperament and behavior as affected over time by the skill level of the rider." Joint Annual Meeting: American Dairy Science Association and American Society of Animal Science, July 12-16, 2015. *Journal of Animal Science*, 93, Supplement 3, 619.

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Yoona Kang and **Katherine Koudele**. "Determining social preference of Holstein cows based on stall selection." Michigan Academy of Science, Arts, and Letters Annual Conference. Andrews University, Berrien Springs, MI. March 13, 2015.

### Behavioral Sciences

**Karl G. D. Bailey** and **Herbert W. Helm, Jr.** "Quantifying sight: Methods for studying eye movement patterns while viewing paintings." Andrews Research Conference, Berrien Springs, MI. May 14, 2015.

Cassandra Chlevin and **Karl G. D. Bailey**. "Exposure to narratives and social reasoning." Michigan Academy of Science, Arts, and Letters Annual Conference. Andrews University, Berrien Springs, MI. March 13, 2015.

Martha M. O. Duah and **Karl G. D. Bailey**. "Imagery, prayer, and mind wandering." Psi Chi session of the 87<sup>th</sup> Annual Meeting of the Midwestern Psychological Association. Chicago, IL. April 30-May 2, 2015.

Mikyung Kim, Rebecca R. Clouse, Landen A. Muasau, **Karl G. D. Bailey**, and Pamela S. Coburn-Litvak. "The effects of fitness and stress on memory in college freshmen." Michigan Academy of Science, Arts, and Letters Annual Conference. Andrews University, Berrien Springs, MI. March 13, 2015.

**Harvey J. Burnett** and Kathleen Wahl. "Avoiding the nuclear meltdown: Building resilient CISM Responders." Workshop, 13<sup>th</sup> World Congress on Stress, Trauma, and Coping. Baltimore, MD. May 16, 2015.

Isaac Suh, **Harvey J. Burnett**, Lionel Matthews, and Jerome Thayer. "Demographic, psycho-social, and religious predictors of suicide attempts among adolescents of a conservation religious denomination." Michigan Academy of Science, Arts & Letters Annual Conference. Andrews University, Berrien Springs, MI. March 13, 2015.

Michael Choi and **Harvey J. Burnett**. "Man's search for meaning: The case of Legos revisited." 87<sup>th</sup> Annual Meeting of the Midwestern Psychological Association. Chicago, IL. April 30-May 2, 2015.

Kiara Dillard and **Harvey J. Burnett**. "The relationship between health-maintenance preferences and health." 87<sup>th</sup> Annual Meeting of the Midwestern Psychological Association. Chicago, IL. April 30-May 2, 2015.

Leandra Brown and **Harvey J. Burnett**. "Relationship between selected socio-demographics and compassion fatigue, burnout, resilience, and compassion satisfaction." 87<sup>th</sup> Annual Meeting of the Midwestern Psychological Association, Chicago, IL. April 30-May 2, 2015.

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# FACULTY RESEARCH & CREATIVE ACTIVITY

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- Romulus Chelbegean:** "Is gender culture or religion? Christian spouses' perception of gender roles in the context of immigration." Texas Council on Family Relations Conference. Abilene, TX. March 27, 2015.
- Herbert W. Helm, Jr.** "The use of major motion pictures in abnormal psychology." Roundtable, 37<sup>th</sup> Annual Conference of the National Institute on the Teaching of Psychology. St. Pete Beach, FL. January 3-6, 2015.
- Curtis J. VanderWaal, **Gary Hopkins**, Lianne Wynne, Alina Baltazar, and **Duane C. McBride**. "Impact of parents and teachers on school bullying among elementary and middle school girls." American Public Health Association Annual Meeting. Chicago, Illinois. November 3, 2015. <https://apha.confex.com/apha/143am/webprogram/Paper336269.html>
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- Elvin Gabriel and **Lionel Matthews**. "The critical role of universities in promoting social justice: Pedagogical, curricular, and social implications." Third International Scholars Conference. Universitas Advent Indonesia, Indonesia. October 20-22, 2015.
- Duane C. McBride**, **Gary L. Hopkins**, Alina M. Baltazar, Curtis J. VanderWaal, **Karl G. D. Bailey**. "Acceptance of health emphasis in doctrines of the Seventh-day Adventist Church and alcohol abuse/use in a Population of Young Adult Church Members." American Public Health Association. Chicago, IL. November 3, 2015. <https://apha.confex.com/apha/143am/webprogram/Paper334944.html>
- Duane C. McBride**, David Sedlacek, and Rene Drumm. "Correlates of perceived spiritual, emotional/verbal abuse of adult children of pastors." Michigan Academy of Science, Arts and Letters Annual Conference. Andrews University, Berrien Springs, MI. March 13, 2015.
- Alina M. Baltazar, **Duane C. McBride**, Karena Griffiths, and Barbara Ames. "Multisystem influence on alcohol use among Christian college students: A grounded theory approach." Workshop, Michigan Academy of Science, Arts, and Letters Annual Conference. Andrews University, Berrien Springs, MI. March 13, 2015.
- Subira Brown, **Duane C. McBride**. "Transgenerational effect of substance abuse between students, parents, and grandparents." Michigan Academy of Science, Arts, and Letters Annual Conference. Andrews University, Berrien Springs, MI. March 13, 2015.
- Cooper Hodges, **Duane C. McBride**, and **Karl G. D. Bailey**. "Religiosity and perceived stress among conservative Christian college students." Michigan Academy of Science, Arts, and Letters Annual Conference. Andrews University, Berrien Springs, MI. March 13, 2015.
- Cooper Hodges and **Duane C. McBride**. "Religiosity and perceived stress among Seventh-day Adventist college students." American Sociological Association. Chicago, IL. August 20, 2015.
- Anne J. Bengoa, **Duane C. McBride**, Clyde B. McCoy, and Alejandro Mendez. "Evaluating the effects of the Harmony, Florida built environment on health outcomes and best practice." American Public Health Association Annual Meeting. Chicago, Illinois. November 2, 2015. <https://apha.confex.com/apha/143am/webprogram/Paper338841.html>
- Rene Drumm, David Sedlacek, **Duane C. McBride**, **Gary Hopkins**, and Alina Baltazar. "Clergy families at risk: How pastoral families demonstrate stress and coping." 14<sup>th</sup> Annual Hawaii International Conference on Social Sciences. Honolulu, Hawaii. October, 2015.
- Rene Drumm, David Sedlacek, Alina Baltazar, and **Duane C. McBride**. "I am an inferior PK: Effects of Congregants expectation on clergy children." North American Association of Christian in Social Work, 65<sup>th</sup> Annual Convention. Amway Grand Plaza, Grand Rapids, Michigan. November 12-15, 2015.
- Melissa Ponce-Rodas**. "Exploring how religiosity and ethnicity impact the domestic violence beliefs of Hispanic, SDA Christian women." 15<sup>th</sup> Biennial Meeting of the Society for Community Research and Action. Lowell, MA. June 25-28, 2015.
- Melissa Ponce-Rodas**, Orleanys del Carmen, Rene Drumm, and David Sedlacek. "Addressing domestic violence in the SDA Church: Past, present and future." Adventist Conference on Family Research and Practice. Andrews University, Berrien Springs, MI. July 16-18, 2015.
- Melissa Ponce-Rodas**, Jaclyn Houston, and Rene Drumm. "Exploring the intersections of religion and intimate partner violence." Roundtable, 15<sup>th</sup> Biennial Meeting of the Society for Community Research and Action. Lowell, MA. June 25-28, 2015.
- Melissa Ponce-Rodas** and Krista Cooper. "Researching women's lives: Domestic violence and HIV." Michigan Academy of Science, Arts and Letters Annual Conference. Andrews University, Berrien Springs, MI. March 13, 2015.
- Tiffany Bailey and **Melissa Ponce-Rodas**. "Relationships between multicultural experiences and diversity of friend networks." Michigan Academy of Science, Arts, and Letters Annual Conference. Andrews University, Berrien Springs, MI. March 13, 2015.
- Joel Raveloharimisy**. "Assessing the effectiveness of the international mediations in managing the 2009 political crisis and conflict in Madagascar." Midwest Political Association Conference. Chicago, IL. April 17, 2015.
- Joel Raveloharimisy** and Injae P. Son. "Values of Seventh-day Adventist philosophy of education and graduate social science programs in Seventh-day Adventist Universities." Michigan Academy of Science, Arts, and Letters Annual Conference. Andrews University, Berrien Springs, MI. March 13, 2015.
- Joel Raveloharimisy** and Ezra Kenyanya. "What are the factors that make the poor to seek help from civil societies over public institutions?" Midwest Political Association Conference. Chicago, IL. April 16, 2015.

# FACULTY RESEARCH & CREATIVE ACTIVITY

## PRESENTATIONS

- Alexandra Raney and **Joel Raveloharimisy**. “The contributions of faith-based organizations to development and the humanitarian field: An ADRA case study.” Michigan Academy of Science, Arts and Letters Annual Conference. Andrews University, Berrien Springs, MI. March 13, 2015.
- Ave Altius and **Joel Raveloharimisy**. “Women’s access to leadership in Madagascar.” Michigan Academy of Science, Arts and Letters Annual Conference. Andrews University, Berrien Springs, MI. March 13, 2015.
- Erenly Agosto and **Joel Raveloharimisy**. “A case study of gender advocacy in faith-based organizations.” Michigan Academy of Science, Arts, and Letters Annual Conference. Andrews University, Berrien Springs, MI. March 13, 2015.
- Kern Agard and **Joel Raveloharimisy**. “The Seventh-day Adventist Church’s response to disasters in the Indian Ocean.” Midwest Political Association Conference. Chicago, IL. April 16, 2015.
- Ave Altius and **Joel Raveloharimisy**. “Factors contributing to women’s leadership roles in politics in Madagascar.” Midwest Political Association Conference. Chicago, IL. April 16, 2015.
- Alexandra Raney and **Joel Raveloharimisy**. “The role of faith-based organizations in development: ADRA’s contribution and recommendations for the future.” Midwest Political Association Conference. Chicago, IL. April 17, 2015.
- Injae Son and **Joel Raveloharimisy**. “The relationship between graduate social science program and the values of Seventh-day Adventist philosophy of education.” Midwest Political Association Conference. Chicago, IL. April 17, 2015.
- Ezra M. Kenyanya and **Joel Raveloharimisy**. “The perception of government legitimacy and willingness to seek help.” Andrews Research Conference. Andrews University, Berrien Springs, MI. May 14, 2015.
- Injae P. Son and **Joel Raveloharimisy**. “Values of Seventh-day Adventist philosophy of education and graduate social science programs in Seventh-day Adventist universities.” Andrews Research Conference. Andrews University, Berrien Springs, MI. May 14, 2015.
- Richard Marcus and **Joel Raveloharimisy**. “Dahalo: The politics and political economy of cattle rustling in southern Madagascar.” African Studies Association 58<sup>th</sup> Annual Meeting. San Diego, CA. November 20, 2015.
- Biology**
- Gordon J. Atkins**, Amanda G. Sandler, Ashley Reichert, Shandelle M. Henson, and **James Hayward**. “The effects of the copulation song and other disturbances on the frequency and synchronization of reproductive behaviors in gulls (*Larus glaucescens*).” Michigan Academy of Sciences, Arts, and Letters Annual Conference. Andrews University, Berrien Springs, MI. March 13, 2015.
- Mikyung Kim, Rebecca R. Clouse, Landen A. Muasau, Karl G. D. Bailey, and **Pamela S. Coburn-Litvak**. “The effects of fitness and stress on memory in college freshmen.” Michigan Academy of Science, Arts, and Letters Annual Conference. Andrews University, Berrien Springs, MI. March 13, 2015.
- Mikyung Kim, Rebecca R. Clouse, Landen A. Muasau, Karl G. D. Bailey, **Pamela S. Coburn-Litvak**. “Fit but frazzled? Comparing the effects of chronic stress and fitness on college freshmen.” Society for Neuroscience. Chicago, IL. October 17-21, 2015.
- Daniel Gonzalez-Socoloske** and L. D. Olivera-Gomez. “The effect of plant availability and primary compounds on manatee food choice in Tabasco, Mexico.” 7<sup>th</sup> International Sirenian Symposium. San Francisco, CA. December 12, 2015.
- Daniel Gonzalez-Socoloske** and L. D. Olivera-Gomez. “The effect of plant availability and primary compounds on manatee food choice in Tabasco, Mexico.” 21<sup>st</sup> Biennial Conference on the Biology of Marine Mammals. San Francisco, CA. December 13-18, 2015.
- M. Kikuchi, **Daniel Gonzalez-Socoloske**, D. A. de Souza, and V. M. F. da Silva. “The effect of body size on chewing cycle duration and interspecific difference in manatees.” 7<sup>th</sup> International Sirenian Symposium. San Francisco, CA. December 12, 2015.
- M. Kikuchi, **Daniel Gonzalez-Socoloske**, D. A. de Souza, V. M. F. da Silva. “The effect of body size on chewing cycle duration and interspecific difference in manatees.” 21<sup>st</sup> Biennial Conference on the Biology of Marine Mammals. San Francisco, CA. December 13-18, 2015.
- Mindy J. McLarty, **Daniel Gonzalez-Socoloske**, A. Alvarez-Aleman, J. Angulo-Valdes, and R. Volta. “Habitat characterization using side-scan sonar of areas used by manatees in the Siguanea Gulf, Isla de la Juventud, Cuba.” 7<sup>th</sup> International Sirenian Symposium. San Francisco, CA. December 12, 2015.
- Luke Kang and **H. Thomas Goodwin**. “Seasonal variation in diet of Pleistocene ground squirrels inferred from  $\delta^{13}\text{C}$  of incisor enamel.” Michigan Academy of Science, Arts, and Letters Annual Conference. Andrews University, Berrien Springs, MI. March 13, 2015.
- James L. Hayward** and Shandelle M. Henson. “Effects of climate change on animal behavior.” Keynote Address, Michigan Academy of Science, Arts, and Letters Annual Conference. Andrews University, Berrien Springs, MI. March 13, 2015.
- James L. Hayward**, Shandelle M. Henson, and James M. Cushing. “Environmental change and life history strategies: Cannibalism and reproductive synchrony I.” Special Session on New Developments in Population Dynamics and Epidemiology, I. Spring Southeastern Sectional Meeting, American Mathematical Society. University of Alabama, Huntsville, AL. March, 27, 2015.
- James M. Cushing, Shandelle M. Henson, and **James L. Hayward**. “Environmental change and life history strategies: Cannibalism and reproductive synchrony II.” Special Session on New Developments in Population Dynamics and Epidemiology, I. Spring Southeastern Sectional Meeting, American Mathematical Society. University of Alabama, Huntsville, AL. March, 27, 2015.
- Shandelle M. Henson, James M. Cushing, and **James L. Hayward**. “Environmental change and life history strategies: Cannibalism and reproductive synchrony III.”

# FACULTY RESEARCH & CREATIVE ACTIVITY

## PRESENTATIONS

- Special Session on New Developments in Population Dynamics and Epidemiology, I. Spring Southeastern Sectional Meeting, American Mathematical Society. University of Alabama, Huntsville, AL. March 27, 2015.
- Ashley A. Reichert, **James L. Hayward**, and Shandelle M. Henson. "The behavior of glaucous-winged gull egg cannibals." Zoology Section Meeting, Michigan Academy of Science, Arts, Letters Annual Conference. Andrews University, Berrien Springs, MI. March 18, 2015.
- Sumiko Weir, Shandelle M. Henson, **James L. Hayward**, and Ashley A. Reichert. "Egg-laying synchrony as an adaptive response to egg cannibalism in a seabird colony." Zoology Section Meeting, Michigan Academy of Science, Arts, and Letters Annual Conference. Andrews University, Berrien Springs, MI. March 18, 2015.
- Amanda G. Sandler, Libby C. Megna, Shandelle M. Henson, and **James L. Hayward**. "Every-other-day ovulation synchrony, high nesting density, and egg loss in a colony of ring-billed gulls (*Larus delawarensis*)." Zoology Section Meeting, Michigan Academy of Science, Arts, and Letters Annual Conference. Andrews University, Berrien Springs, MI. March 18, 2015.
- James L. Hayward**, James M. Cushing, and Shandelle M. Henson. "Environmental change and life history strategies: Cannibalism and reproductive synchrony I." American Mathematical Society, Spring Southeastern Sectional Meeting, Special session on New Developments in Population Dynamics and Epidemiology. Huntsville, Alabama. March 27, 2015.
- James M. Cushing, Shandelle M. Henson, **James L. Hayward**. "Environmental change and life history strategies: Cannibalism and reproductive synchrony II." American Mathematical Society, Spring Southeastern Sectional Meeting, Special session on New Developments in Population Dynamics and Epidemiology. Huntsville, Alabama. March 27, 2015.
- Shandelle M. Henson, **James L. Hayward**, and James M. Cushing. "Environmental change and life history strategies: Cannibalism and reproductive synchrony III." American Mathematical Society, Spring Southeastern Sectional Meeting, Special session on New Developments in Population Dynamics and Epidemiology. Huntsville, Alabama. March 27, 2015.
- Gifty B. Barfi, Hazel O. Ezeribe, and **Peter J. Lyons**. "Carboxypeptidase folding mechanisms in the absence of a chaperone-like prodomain." Michigan Academy of Science, Arts, and Letters Annual Conference. Andrews University, Berrien Springs, MI. March 13, 2015.
- Benjamin Navia** and Delia Frey. "The effect of calling songs with multiple frequencies in cricket phonotaxis." Michigan Academy of Science, Arts, and Letters Annual Conference. Andrews University, Berrien Springs, MI. March 13, 2015.
- Benjamin Navia**. Masterclass. Universidad Adventista de Chile. May 20, 2015.
- Karis Kang and **Benjamin Navia**. "The impact of male exposure on the phonotactic behavior of female *Acheta domesticus*." Michigan Academy of Science, Arts, and Letters Annual Conference. Andrews University, Berrien Springs, MI. March 13, 2015.
- Re'Jeanne Greene and **Benjamin Navia**. "The effect of varying sound intensities on phonotactic selectivity in female *Acheta domesticus*." Michigan Academy of Science, Arts, and Letters Annual Conference. Andrews University, Berrien Springs, MI. March 13, 2015.
- Jeong Bin Lee and **Benjamin Navia**. "L3 auditory interneuron responses to dual-frequency calling songs in female crickets (*Acheta domesticus*)." Michigan Academy of Science, Arts, and Letters Annual Conference. Andrews University, Berrien Springs, MI. March 13, 2015.
- Jeong Bin Lee and **Benjamin Navia**. "L3 auditory interneuron responses to dual-frequency calling songs in female crickets (*Acheta domesticus*)." Society for Neuroscience. Chicago, IL. October 17-21, 2015.
- Re'Jeanne Greene and **Benjamin Navia**. "The effect of varying sound intensities on phonotactic selectivity in female *Acheta domesticus*." Society for Neuroscience. Chicago, IL. October 17-21, 2015.

### Chemistry and Biochemistry

- Lisa Ahlberg** and **Desmond Murray**. "Combining research with undergraduates in the organic chemistry laboratory." Joint Great Lakes/Central Regional Meeting of the American Chemical Society. Grand Rapids, MI. May 28, 2015.
- Tia Mackintosh and **Lisa Ahlberg**. "Racemization analysis of amino acids in avian egg shells." Michigan Academy of Science, Arts, and Letters Annual Conference. Andrews University, Berrien Springs, MI. March 13, 2015.
- Rosanne Thornhill and **Lisa Ahlberg**. Synthesis of isoxazoline derivatives as potential anti-cancer agents. Michigan Academy of Science, Arts, and Letters Annual Conference. Berrien Springs, MI. March 13, 2015.
- Seth Stacey and **Ryan T. Hayes**. "Optimization of hydroxyl number determination of hydroxyl-functionalized dendrimers utilizing NIR spectroscopy." Michigan Academy of Sciences, Arts, and Letters Annual Conference. Andrews University, Berrien Springs, MI. March 13, 2015.
- Andrew Stewart and **Ryan T. Hayes**. "Directed, high yielding synthesis of arginine-based heterocyclic amines." Michigan Academy of Sciences, Arts, and Letters Annual Conference. Berrien Springs, MI. March 13, 2015.

### Engineering and Computer Science

- Hyun Kwon**. "Novel fluid channel design for paper based biosensors." ASME 2015 International Mechanical Engineering Congress and Exposition. Houston, TX. November 13-19, 2015.
- Hyun Kwon** and Robert Polski. "Mathematical models of protein interactions in the QCM-D biosensor for fractal surfaces." Michigan Academy of Sciences, Arts, and Letters Annual Conference. Berrien Springs, MI. March 13, 2015.
- Rufaro Musvosvi and **Hyun Kwon**. "Development of the Labview Interface for Thorlabs™ Optical Trapping Kit data collection and control." ASME 2015 International Mechanical Engineering Congress & Exposition. Houston, TX. November 13-19, 2015.

# FACULTY RESEARCH & CREATIVE ACTIVITY

## PRESENTATIONS

Michael Hess and **Hyun Kwon**. "Prototyping to validate the design of pressure-progressing spray fitting apparatus. ASME 2015 International Mechanical Engineering Congress & Exposition. Houston, TX. November 13-19, 2015.

Cody Rieger, **Gunnar Lovhoiden**, James Magbanau, and **Boon-Chai Ng**. "Microstructural evaluation of DEAP material after stress relaxation cycles." The Minerals, Metals, and Materials Society Conference. Orlando, FL. March 15-19, 2015.

**Boon Chai Ng** and Cody Rieger. "Stress-Relaxation Cycles and its Effect on the Capacitance of Di-Electric Electro Active Polymers." Michigan Academy of Science, Arts and Letters Annual Conference. Andrews University, Berrien Springs, MI. March 13, 2015.

Cody Rieger, **Gunnar Lovhoiden**, James Magbanau and **Boon-Chai Ng**. "Microstructural Evaluation of DEAP Material after Stress Relaxation Cycles." The Minerals, Metals & Materials Society Conference. Orlando, FL. March 15-19, 2015.

Will Allen, Dominique Tan-Ng, Lucas Machado, and **Boon-Chai Ng**. "Evaluation of Anodized Aluminum for Potential Use as an Interposer for the Test Socket Industry." Third International Scholars Conferences. Universitas Advent Indonesia, Indonesia. October 20-22, 2015.

### English

**Janet Blackwood** "Helping or hurting? The impact of call centers on the preparation of English teachers in Costa Rica." Center for Advanced Research on Language Acquisition Ninth International Conference on Language Teacher Education: Changes and Challenges in Language Teacher Education. Minneapolis, MN. May 14-16, 2015.

**Vanessa Corredera**. "Not a Moor exactly: Shakespeare: *Serial*, and constructions of race." Shakespeare Association of America. Vancouver, British Columbia. April 3, 2015.

**Vanessa Corredera**. "The Moor makes a cameo: *Serial*, race, and the ethics of Shakespearean appropriation." Appropriation in an Age of Global Shakespeare. University of Georgia. November 13, 2015.

**Eun-Young Julia Kim**. "A nonnative speaker and still the right person for the job." Plenary presentation, 4<sup>th</sup> National Convention for Teachers of English. Universidad Peruana Unión. October 4-6, 2015.

**Eun-Young Julia Kim**. "Broken English or creative construction?: The case for English-based Korean youth slang." Michigan Academy of Science, Arts, and Letters Annual Conference. Andrews University, Berrien Springs, MI. March 13, 2015.

**Eun-Young Julia Kim**. "English as a global language: Implications for English language teaching." Plenary presentation, 4<sup>th</sup> National Convention for Teachers of English. Universidad Peruana Unión. October 4-6, 2015.

**Eun-Young Julia Kim**. "Increasing awareness of importance of pragmatic competence." Invited workshop at the 4<sup>th</sup> National Convention for Teachers of English, Universidad Peruana Unión, Oct.4-6, 2015.

**Eun-Young Julia Kim**. "Should we or shouldn't we?: How (not) to correct English learners' errors in written assignments."

Workshop, 4<sup>th</sup> National Convention for Teachers of English. Universidad Peruana Unión. October 4-6, 2015.

**Eun-Young Julia Kim**. "Writing for an academic audience: Tips and strategies." Workshop, 4<sup>th</sup> National Convention for Teachers of English. Universidad Peruana Unión. October 4-6, 2015.

**L. Monique Pittman**. "Is not the truth the truth?: HBO's *The Wire* and Shakespearean History." Appropriation in the Age of Global Shakespeare. University of Georgia. November 2015.

**L. Monique Pittman**. "The badge of adaptation: Cinematic knowing in the theater of *Hamlet*." Shakespeare Association of America Annual Meetings. Vancouver, British Columbia. April 1-4, 2015.

### International Languages and Global Studies

**Sonia Badenas**. "Les contes populaires ou de tradition orale dans la classe de français." Michigan World Language Association. Lansing, MI. October 22, 2015.

**Sonia Badenas**. "Contes et Nouvelles en classe de Français Langue Etrangère." Michigan World Language Association. Lansing, MI. October 23, 2015.

**Sonia Badenas**. "Once upon a time: Learning French with short stories." Annual Convention and World Languages Expo. San Diego, CA. November 20-23, 2015.

**Pedro Navia**. "Las voces de la marginación en los testimonios/historias de Elena Poniatowska" ["Excluded Voices in the Testimonies/Stories of Elena Poniatowska"]. Southwest Council of Latin American Studies. San José, Costa Rica. March 12, 2015.

**Pedro Navia**. "Oralidad y dialogo: las voces en los testimonios de Elena Poniatowska" ["Oral Tradition and Dialogues: Voices in Testimonies of Elena Poniatowska"]. 15th International Conference on Latin American Literature. Antigua, Guatemala. March 4-6, 2015.

**Pedro Navia**. "Voces femeninas desde la marginacion hacia el poder en los testimonios de Elena Poniatowska" ["Female Voices from the Alienation towards Power in Testimonies of Elena Poniatowska"]. Catholic University of Argentina, Buenos Aires, Argentina. July 7-11, 2015.

### Library

**Sarah Kimakwa, Cynthia Mae Helms, Silas Marques, and Lauren Matacio**. "Extended Reference Service at Andrews University." Association of Seventh-day Adventist Librarians (ASDAL) Annual Conference. Southwestern Adventist University, Keene, TX. July 13-16, 2015.

**Silas B. Marques**. "James White Library's strategic plan development process: An innovative approach." 36<sup>th</sup> Annual International Association of University Libraries (IATUL) Conference. Hannover, Germany. July 5-9, 2015.

**Lauren Matacio**. "Librarians, composition instructors, and students researching together: A journey in collaboration." Michigan Academy of Science, Arts, and Letters Annual Conference. Andrews University, Berrien Springs, MI. March 13, 2015.

**Alice Williams**. "Creating an institutional records center." Association of Seventh-day Adventist Librarians Annual Meeting. Southwestern Adventist University, Keene, TX. July 13, 2015.



# FACULTY RESEARCH & CREATIVE ACTIVITY

## PRESENTATIONS

### Mathematics

**Shandelle Henson.** “Effects of warming seas: Cannibalism and reproductive synchrony in a seabird colony.” 5th International Conference on Mathematical Modeling and Analysis of Populations in Biological Systems. University of Western Ontario, London, Ontario, Canada. October 4, 2015.

James L. Hayward, James M. Cushing, and **Shandelle M. Henson.** “Environmental change and life history strategies: Cannibalism and reproductive synchrony I.” American Mathematical Society, Spring Southeastern Sectional Meeting, Special session on New Developments in Population Dynamics and Epidemiology. Huntsville, Alabama. March 27, 2015.

James M. Cushing, **Shandelle M. Henson**, James L. Hayward. “Environmental change and life history strategies: Cannibalism and reproductive synchrony II.” American Mathematical Society, Spring Southeastern Sectional Meeting, Special session on New Developments in Population Dynamics and Epidemiology. Huntsville, Alabama. March 27, 2015.

**Shandelle M. Henson**, James L. Hayward, and James Cushing. “Environmental change and life history strategies: Cannibalism and reproductive synchrony III.” American Mathematical Society, Spring Southeastern Sectional Meeting, Special session on New Developments in Population Dynamics and Epidemiology. Huntsville, Alabama. March 27, 2015.

**Shandelle M. Henson.** “Environmental change and life history strategies: Cannibalism and reproductive synchrony.” Session on Recent Advances in Mathematical Modeling of the Environment and Infectious Diseases, Joint Mathematics Meetings. San Antonio, Texas. January 2015.

**Shandelle M. Henson.** “A note on the onset of synchrony in avian ovulation cycles.” Modeling or Applications, I, Joint Mathematics Meetings. San Antonio, TX. January 2015.

**Shandelle M. Henson.** “Every-other-day ovulation synchrony, high nesting density, and egg loss in a colony of ring-billed gulls (*Larus delawarensis*).” Michigan Academic of Sciences, Arts, and Letters Annual Conference. Andrews University, Berrien Springs, MI. March 13, 2015.

**Shandelle M. Henson.** “The effects of the copulation song and other disturbances on the frequency and synchronization of reproductive behaviors in gulls (*Larus glaucescens*).” Michigan Academic of Sciences, Arts, and Letters Annual Conference. Andrews University, Berrien Springs, MI. March 13, 2015.

**Shandelle M. Henson.** “Effects of climate change on animal behavior.” Plenary speaker with J. L. Hayward. Michigan Academy of Science, Arts, and Letters Annual Conference. Andrews University, Berrien Springs, MI. March 13, 2015.

**Shandelle M. Henson.** “Effects of climate change on animal behavior.” Distinguished Research Lecture. La Sierra University, Riverside, CA. May 27, 2015.

**Joon Kang.** “Equivalent mathematical conditions for survivals of species of animals for the most general population models.” Michigan Academy of Science, Arts, and Letters Annual Conference. Andrews University, Berrien Springs, MI. March 13, 2015.

**Robert C. Moore.** “When mathematicians grade proofs, why don't they agree?” 18<sup>th</sup> Annual Conference on Research in Undergraduate Mathematics Education. Pittsburgh, PA. February 2015.

**Robert C. Moore.** “When mathematicians grade students' proofs, why don't the scores agree?” Michigan Academy of Science, Arts, and Letters Annual Conference. Andrews University, Berrien Springs, MI. March 13, 2015.

**Yun Myung Oh.** “Riemannian submersion invariant and theta-slant submanifolds.” Mathematics Section, Michigan Academy of Science, Arts, and Letters Annual Conference, Andrews University, Berrien Springs, MI. March 13, 2015.

**Marian Prince.** “Transforming an ‘ordinary’ activity into a STEM project, Grades 2-5.” Math in Action. Grand Valley State University, Allendale, MI. February 21, 2015.

**Marian Prince.** “Integrating math, science, and literature with the TI-Nspire.” Math in Action. Grand Valley State University, Allendale, MI. February 21, 2015.

**Marian Prince.** “TI-84 Plus C Silver Edition graphing calculator makes algebra more colorful and more memorable.” Teachers Teaching with Technology (T<sup>3</sup>) International Conference. Ft. Worth, TX. March 14, 2015.

**Marian Prince.** “Adventures with mathematics with TI-Nspire.” MCTM State Conference. Traverse City, MI. July 29-30, 2015.

**Marian Prince.** “Fractions in adventures in mathematics, Grades 3-5.” MCTM State Conference. Traverse City, MI. July 29-30, 2015.

**Marian Prince.** “Functions in adventures in mathematics, Grades 6-10.” MCTM State Conference. Traverse City, MI. July 29-30, 2015.

**Lynelle Weldon.** “Remedial math journeys: Part II.” Michigan Academy of Science, Arts, and Letters Annual Conference. Andrews University, Berrien Springs, MI. March 13, 2015.

### Music

**Lilianne Doukhan.** Montemorelos University Music Festival. Montemorelos, Mexico. April 10-12, 2015.

**Lilianne Doukhan.** Music Seminar. Swiss German Conference, Zurich, Switzerland. October 11, 2015.

**Lilianne Doukhan.** Theological Conference. Czecho-Slovakian Union Conference, Prague, Czech Republic. December 12-13, 2015.

**Claudio Gonzalez.** Masterclass performance. Max Aronoff Viola Institute, Viola Festival. Washington. June 27, 2015.

**Claudio Gonzalez.** “The Power of the Orchestra.” Workshop, Victor School of Performing Arts International. Bend, OR. November 6, 2015.

**Claudio Gonzalez.** “The Mystery of Baroque Dance.” Workshop, Victor School of Performing Arts International. Bend, OR. November 7, 2015.

**Claudio Gonzalez.** “The Majesty of Conducting.” Workshop, Victor School of Performing Arts International. Bend, OR. Nov. 7, 2015.

**Charles Reid.** Voice masterclass, Ernestine Raclin School of the Arts. Indiana University South Bend, IN. January 30, 2015.

**Charles Reid.** Voice masterclass, students of Stephen Lancaster and the Graduate Sacred Music program at Notre Dame. University of Notre Dame, South Bend, IN. March 4, 2015.

# FACULTY RESEARCH & CREATIVE ACTIVITY

## PRESENTATIONS

**Carla Trynchuk.** Guest masterclass. Olga Dubossarskaya Kaler Studio. DePaul University, Chicago, IL. March 2, 2015.

**Carla Trynchuk.** Guest masterclass. Muzicka Akademija u Puli, Pula, Croatia. March 19, 2015.

**Carla Trynchuk.** Guest masterclass. Muzicka Akademija u Puli, Pula, Croatia. March 20, 2015.

**Carla Trynchuk.** Guest masterclass. Oregon Music Festival, Portland, Oregon. June 29, 2015.

**Chi Yong Yun.** Collaborative piano music. Presentation/Workshop, Illinois Summer Youth Music.

**Chi Yong Yun.** Guest masterclass. Muzickaakademija u Puli, Pula, Croatia. March 19-20, 2015.

**Stephen Zork.** Workshop clinician and festival conductor. Florida Conference Festival of the Arts. Forest Lake Academy, Apopka, FL. April 22-25, 2015.

**Stephen Zork.** Workshop clinician and choral conductor; elementary choir. Iowa-Missouri Conference of Seventh-day Adventists, Sunnysdale Adventist Academy, Centralia, MO. April 9-11, 2015.

**Stephen Zork.** Workshop clinician and choral. Rocky Mountain Conference Music. Champion Academy, Loveland, CO. March 26-28, 2015.

### Religion and Biblical Languages

**Erhard H. Gallos.** "What 'rest' remains?" Midwest Region Society of Biblical Language Meeting; Hebrews and Catholic Epistles Section. Olivet Nazarene University, Bourbonnais, IL. February 6-8, 2015.

**Erhard H. Gallos.** "The perfect, royal law of liberty in James." Michigan Academy of Science, Arts, and Letters Annual Conference; Religious Studies Section. Andrews University. Berrien Springs, MI. March 13, 2015.

**Erhard H. Gallos.** "What 'rest' remains? A close reading of Hebrews 4." National Society of Biblical Literature; Sabbath in Text and Tradition Section. Atlanta, GA. November 22, 2015.

**Ruben Munoz-Larrondo.** "From synagogue to a hierarchical ekklesia: Issues of power and supremacy in the practice and life of South American churches." International Meeting of the Society of Biblical Literature; Bible and Empire Section. Buenos Aires, Argentina. July 21, 2015. [https://www.sbl-site.org/assets/pdfs/meetings/program-Book2015im\\_webDisplay.pdf](https://www.sbl-site.org/assets/pdfs/meetings/program-Book2015im_webDisplay.pdf)

**Ruben Munoz-Larrondo.** Principios de tipología bíblica como una herramienta hermenéutica." "Vislumbres del Santuario en el Libro Hechos de los Apóstoles." Simposio Bíblico: El Santuario en la Iglesia Adventista en el Siglo XXI. Universidad Adventista de Chile, Caburgua. October 16-17, 2015.

**Ruben Munoz-Larrondo.** "Una Cristología dualística: La Divinidad en Hechos de los Apóstoles." "El bautismo del Espíritu Santo." "Exhórtalos a entrar: La eclesiología de la Iglesia Cristiana Temprana." Segundo Simposio Bíblico. Universidad Adventista Dominicana, Bonao. April 9-11, 2015.

**Glenn Russell.** "Starting the conversation: Seventh-day Adventist short-term missions." Swallen Mission Conference. Andrews University, Berrien Springs, MI. February 19-21, 2015.

**Davide Sciarabba.** "The issue of divorce and remarriage in 1

Corinthians 7:15 in the light of the Dominical Logion of 7:10." Evangelical Theological Society-Adventist Theological Society Annual Meeting. Atlanta, GA. November 18, 2015.

[http://www.etsjets.org/files/annual\\_meeting/2015\\_Program/2015%20Final%20Program%20Lo-Res.pdf](http://www.etsjets.org/files/annual_meeting/2015_Program/2015%20Final%20Program%20Lo-Res.pdf)

### Social Work

**Alina M. Baltazar** and Rene D. Drumm. "Life in the fishbowl: Impact of role pressure on the clergy family." North American Association of Christians in Social Work. Grand Rapids, MI. November 12-13, 2015.

**Alina M. Baltazar** and Rene D. Drumm. "I'm an inferior specimen of a PK: Examining the aftermath of pressure put on pastor's children." Workshop, Adventist Conference on Family Research & Practice. Berrien Springs, MI. July 16-18, 2015.

**Alina M. Baltazar,** Duane C. McBride, Karena Griffiths, and Barbara Ames. "Multisystem influence on alcohol use among Christian college students: A grounded theory approach." Workshop, Michigan Academy of Science, Arts, and Letters Annual Conference. Andrews University, Berrien Springs, MI. March 13, 2015.

Rene Drumm, David Sedlacek, **Alina Baltazar,** Duane McBride. "I am an inferior PK: Effects of congregants expectation on clergy children." North American Association of Christian in Social Work, 65<sup>th</sup> Annual Convention. Amway Grand Plaza, Grand Rapids, Michigan. November 12-15, 2015.

David A. Sedlacek, Rene D. Drumm, **Alina Baltazar,** and Elaine Oliver. "Spiritual challenges in pastoral families: Qualitative results." Workshop, Michigan Academy of Science, Arts, and Letters Annual Conference. Andrews University, Berrien Springs, MI. March 13, 2015.

Duane C. McBride, Gary L. Hopkins, **Alina M. Baltazar,** Curtis J. VanderWaal. "Acceptance of health emphasis in doctrines of the Seventh-day Adventist Church and alcohol abuse/use in a population of young adult church members." American Public Health Association Annual Meeting. Chicago, Illinois. October 31-November 4, 2015.

Curtis J. VanderWaal, Gary Hopkins, Lianne Wynne, **Alina Baltazar,** and Duane C. McBride. "Relationship between teacher support and school bullying among elementary and middle school girls." American Public Health Association Annual Meeting. Chicago, Illinois. October 31-November 4, 2015.

Rene Drumm, David Sedlacek, Duane McBride, Gary Hopkins, and **Alina Baltazar.** "Clergy families at risk: How pastoral families demonstrate stress and coping." 14<sup>th</sup> Annual Hawaii International Conference on Social Sciences. Honolulu, Hawaii. October, 2015.

**Krista Cooper** and Melissa Ponce-Rodas. "Researching women's lives." Michigan Academy of Science, Arts, and Letters Annual Conference. Andrews University, Berrien Springs, MI. March 13, 2015.

**Desiree Davis.** "Coping strategies of nontraditional female students." Andrews Research Conference. Andrews University, Berrien Springs, MI. May 15, 2015.

# FACULTY RESEARCH & CREATIVE ACTIVITY

## PRESENTATIONS / PERFORMANCES & EXHIBITIONS

**Margaret Howell.** “The use of self: Modeling Christ in teaching, advising and mentoring.” Workshop, North American Association of Christian in Social Work Convention. Grand Rapids, MI. November 13, 2015.

**Shannon Trecartin.** “Exploration of the relationships between the physical home environment, personal competencies, and psychological well-being of community-dwelling older adults: Construction of a structural model.” Andrews Research Conference. Andrews University, Berrien Springs, MI. May 15, 2015.

Shandra Forrest-Bank, Jeffrey M. Jensen, and **Shannon Trecartin.** “Measuring microaggression: Assessing differences in factor structure for black, hispanic/latino, & Asian young adults.” Society for Social Work and Research, 19th Annual Conference. New Orleans, LA. January 15, 2015.

**Curtis J. VanderWaal.** Gary Hopkins, Lianne Wynne, Alina Baltazar, and Duane C. McBride. “Impact of parents and teachers on school bullying among elementary and middle school girls.” American Public Health Association Annual Meeting. Chicago, IL. November 3, 2015.

**Curtis J. VanderWaal.** “Creating generous spaces for LGBT students on a Christian campus.” North American Association of Christians in Social Work Annual Meeting. Grand Rapids, MI. November 12-15, 2015.

Duane C. McBride, Gary L. Hopkins, **Alina M. Baltazar**, and **Curtis J. VanderWaal.** “Religious belief/involvement and recent alcohol use/binge drinking in a prohibitionist university.” American Public Health Association Annual Meeting. Chicago, Illinois. November 3, 2015.

### Visual Art, Communication & Design

**Steve Hansen.** “Making license plate mugs with exhibiting artist Steve Hansen.” Workshop, Pewabic Pottery. Detroit, MI. January 24, 2015.

<http://classforeverything.com/classes/making-license-plate-mugs-with-e>

**Steve Hansen.** “Workshop with Steve Hansen.” Michigan Art Center. Garden City, MI. July 24, 25. [https://www.facebook.com/permalink.php?story\\_fbid=541021932703972&id=232990456840456](https://www.facebook.com/permalink.php?story_fbid=541021932703972&id=232990456840456)

**Paul Kim.** Panelist/Presenter. Coastline Children’s Film Festival. St. Joseph, MI. March 13-22, 2015.

**Rachel Williams-Smith.** “Autoethnographic methods.” Doing Autoethnography Conference. San Angelo, TX. March 10, 2015.

**Rachel Williams-Smith.** “Methods of adjustment and beyond.” Michigan Academy of Science, Arts, and Letters Annual Conference. Andrews University, Berrien Springs, MI. March 13, 2015.

## 2015 PERFORMANCES AND EXHIBITIONS

### Behavioral Sciences

**Herbert Helm.** Solo show of 19 original watercolor images. Clark Gallery, Fernwood Botanical Gardens. September-October 2015.

**Herbert Helm.** “Cotton Candy,” original watercolor.

Illiana Artists 16<sup>th</sup> Regional Juried Exhibition. August 30-September 27, 2015.

**Herbert Helm.** “Lunch at Tim’s Too.” Third Place, original watercolor (non-juried). 64<sup>th</sup> Annual GFWC Chesterton Woman’s Club Art Show. 2015.

**Herbert Helm.** “Amsterdam,” original watercolor. Michiana Annual Art Competition. May 15-June 26, 2015.

**Herbert Helm.** “The Coin,” original watercolor. Art Barn 22<sup>nd</sup> Annual Juried Art Exhibition. May 2-June 22, 2015.

### Library

**Marianne Kordas.** Redbud consort. Michiana Renaissance Festival. August, 28 2015.

<https://www.facebook.com/events/141876472820686>

**Marianne Kordas.** Bucktown Ramblers. Box Factory for the Arts Concert Series. October 31, 2015.

[http://www.herald-palladium.com/features/bucktown-ramblers-back-at-the-box/article\\_d2671473-3115-572e-a2fd-613893243d1f.html](http://www.herald-palladium.com/features/bucktown-ramblers-back-at-the-box/article_d2671473-3115-572e-a2fd-613893243d1f.html)

### Music

**Claudio Gonzalez.** Asian Music Camp Concert. San Joaquin, Iloilo, Philippines (May 31, 2015), Iloilo City, Philippines (June 1, 2015), Bacolod City, Philippines (June 2, 2015).

**Claudio Gonzalez.** Performance in the MAVI Viola Festival. Seattle, WA. June 28, 2015.

**Kenneth Duane Logan.** World premiere performance of four-movement suite for concert band: *We, From Battle Creek*. Andrews University Wind Symphony; Alan Mitchell, director. Gift of Prophecy Symposium, Howard Performing Arts Center. October 16, 2015.

<https://semdeanga.wordpress.com/schedule/>

**Kenneth Duane Logan.** Organist for the General Conference Session of Seventh-day Adventists, playing for majority of 39 plenary sessions. Alamodome, San Antonio, Texas. July 2015.

**Alan Mitchell.** Guest director with St. Joseph Municipal Band. John E. N. Howard Bandshell, St. Joseph, MI. September 6, 2015.

**Alan Mitchell.** Trombone performer, St. Joseph Municipal Band. John E. N. Howard Bandshell, St. Joseph, MI. September 6, September 7, July 4, July 5, July 19, July 26, August 16, August 23, August 30, 2015.

**Alan Mitchell.** Trombone performer, St. Joseph Municipal Big Band. John E. N. Howard Bandshell, St. Joseph, MI. June 28, 2015.

**Alan Mitchell.** Trombone performer, Southwestern Michigan College Symphonic Band. SMC Commencement Ceremony, Southwestern Michigan College, Dowagiac, MI. May 2, 2015.

**Alan Mitchell.** Guest clinician and director for Michigan SDA Elementary School Honor Band Clinic. Howard Performing Arts Center, Berrien Springs, MI. March 11, 2015.

**Alan Mitchell.** Guest clinician and host for Southwest Michigan Middle School Honor Band Festival. Howard Performing Arts Center, Berrien Springs, MI. March 23, 2015.

**Alan Mitchell.** Judge/clinician for St. Joseph Public School Band Festival. St. Joseph High School, St. Joseph, MI. March 26, 2015.

# FACULTY RESEARCH & CREATIVE ACTIVITY

## PERFORMANCES & EXHIBITIONS

- Charles Reid.** Wagner, "Das Rheingold," Froh. Hong Kong Philharmonic Orchestra. January 22 and 24, 2015. <https://bachtrack.com/review-rheingold-goerne-zwe-den-hong-kong-january-2015>
- Charles Reid.** Recital, "Love Songs." Hinsdale Music Club, Hinsdale, Illinois. February 14, 2015. <https://hinsdalemusicclub.wordpress.com/2015/02/10/valentines-evening-concert-in-hinsdale-21415/>
- Charles Reid.** Mendelssohn, "Elijah." Kalamazoo Symphony Orchestra, Kalamazoo, MI. April 10, 2015. <http://www.kalamazoosymphony.com/calendar/elijah>
- Charles Reid.** Mendelssohn, Symphony No. 2 "Lobgesang." Andrews University Symphony Orchestra and Chorus, Howard Performing Arts Center, Andrews University, Berrien Springs, MI. April 25, 2015. <https://www.facebook.com/events/1595823087369039/>
- Charles Reid.** Mahler, Schönberg reduction, "Das Lied von der Erde." Virginia Arts Festival, Norfolk, VA. May 5, 2015. <http://www.artsonupdate.org/Reviews/VirginiaArtsFestival/VirginiaArtsFestival4.htm>
- Charles Reid.** Solo appearances with Andrews University Singers. General Conference of Seventh-day Adventists, San Antonio, TX. July 10-11, 2015.
- Charles Reid.** Britten, "War Requiem." Berkshire International Festival, Sheffield, MA. July 18, 2015. <http://albertitalks.blogspot.com/2015/07/jane-glover-conquers-berkshire-county.html>
- Charles Reid.** Mahler, Schönberg reduction, "Das Lied von der Erde." Schubertiada a Vilabertran. August 22, 2015. <http://www.schubertiadavilabertran.cat/en/das-lied-von-der-erde-sa-22-m-goerne-ch-reid-j-pons-others>
- Charles Reid.** Wagner, "Das Rheingold," Hong Kong Philharmonic. Naxos Label CD 8.660374-75, Released November 15, 2015. <http://www.naxos.com/catalogue/item.asp?itemcode=8.660374-75>
- Charles Reid.** Beethoven, "Symphony No. 9." Hong Kong Philharmonic. December 4-5, 2015. <http://www.interlude.hk/front/beethoven-cy-cle-ode-joy-%EF%BC%8D-1-9/>
- Charles Reid.** Handel, "Messiah." WAUS Messiah Sing-a-long, Pioneer Memorial Church, Berrien Springs, MI. December 13, 2015.
- Charles Reid.** Handel, "Messiah." First Presbyterian Church, South Bend, IN. December 13, 2015. <http://en.eventhint.com/events/4042587/messiah-sing-along-w-orchestra-charles-reid-tenor-jessica-mc-cormack-soprano>
- Carla Trynchuk and Chi Yong Yun.** Portage Prairie Church Recital Series. Niles, MI. January 25, 2015.
- Carla Trynchuk, Chi Yong Yun,** and Stephen Framil. Trio recital. Howard Performing Arts Center, Berrien Springs, MI. February 14, 2015.
- Carla Trynchuk, Chi Yong Yun,** and Stephen Framil. Trio recital, Camerata Philadelphia Artist Series, Main Line Concerts. Wayne, PA. February 20, 2015.
- Carla Trynchuk, Chi Yong Yun,** and Stephen Framil. Trio recital. Camerata Philadelphia Artist Series. Center City Concerts. Philadelphia, PA. February 21, 2015.
- Carla Trynchuk and Chi Yong Yun.** Recital. Zagreb, Croatia, Seventh-day Adventist Church. March 21, 2015.
- Carla Trynchuk and Chi Yong Yun.** Recital. Presented by Muzicka Akademija u Puli, Akademiska Koncertna Sezona 2014/2015. Pula, Croatia. March 23, 2015.
- Carla Trynchuk and Chi Yong Yun.** Recital. Dammarié-les-Lys, France, Seventh-day Adventist Church. March 28, 2015
- Carla Trynchuk.** Schubert Octet, Piazzolla Quintet, Martinu Nonet Performance. Oregon Music Festival, Portland, OR. June 25, 2015.
- Carla Trynchuk.** "Martinu Divertimento for Violin & Viola," Orpheus Academy Orchestra, Oregon Music Festival. Portland, OR. June 30, 2015.
- Carla Trynchuk.** "Piazzolla Four Seasons," Orpheus Academy Orchestra, Oregon Music Festival. Portland, OR, June 30, 2015.
- Carla Trynchuk.** Piazzolla Quintet. Oregon Music Festival. Portland, OR. July 1, 2015.
- Carla Trynchuk.** "Barber Concerto," Orquestra Sinfonica do Teatro Nacional. Brasilia, Brazil. July 7, 2015.
- Carla Trynchuk.** "Barber Concerto," Orquestra Filarmonica da PUCRS. Porto Alegre, Brazil. July 10, 2015.
- Carla Trynchuk and Chi Yong Yun.** Fernwood/WAUS Summer Recital Series. Niles, MI. July 12, 2015.
- Carla Trynchuk and Olga Kaler.** Howard Performing Arts Center, Berrien Spring, MI. September 19, 2015.
- Carla Trynchuk.** "Prokofiev Concerto No. 1," Andrews University Orchestra. Howard Performing Arts Center, Berrien Springs, MI. October 17, 2015.
- Carla Trynchuk.** "Bruch Concerto for Violin & Orchestra," Andrews University Symphony Orchestra. Howard Performing Arts Center, Berrien Springs, MI. November 21, 2015.
- Chi Yong Yun.** Soloist with Orpheus Orchestra, Oregon Music Festival. Portland, OR. June 2015.
- Chi Yong Yun.** Pianist with Oregon Festival Orchestra. June 2015.
- Chi Yong Yun, Carla Trynchuk,** and Stephen Framil. Trio recital. Smith Memorial Hall, University of Illinois at Urbana-Champaign. February 16, 2015.
- Stephen Zork.** Welcome Christmas. Producer, arranger and conductor of the annual choral concert, featuring "Gloria" by Antonio Vivaldi, and the world-premiere of "When I Asked" by Joshua Goines. Howard Performing Arts Center, Berrien Springs, MI. December 4, 2015.
- Stephen Zork.** Concert tour. Andrews University Singers presented two full-length concerts in the historic St. Joseph Catholic Church in San Antonio, TX; also led a 20-minute hymn-sing in the Alamo Dome for over 30 thousand people. San Antonio, TX. July 10-11, 2015.
- Stephen Zork.** Easter choral presentation. Theme: "In Remembrance," featuring the world-premiere of "My Plea" by Michael Momohara, published by Earth Songs Press. Howard Performing Arts Center, Berrien Springs, MI. April 4, 2015.

# FACULTY RESEARCH & CREATIVE ACTIVITY

## PERFORMANCES & EXHIBITIONS

**Stephen Zork.** South Bend First Presbyterian “Good Friday” service. Conducted the University Singers in a liturgical Passion Week service. First Presbyterian Church, South Bend, IN. April 3, 2015.

**Stephen Zork.** Music and Worship Conference premier. Conducted University Singers in a world-premiere of “Jesus Christ; My Lord, My God” by Adriana Perera. Howard Performing Arts Center, Berrien Springs, MI. February 27, 2015.

### Visual Arts, Communication and Design

**Greg Constantine.** Michiana Annual Art Competition, Box Factory. St Joseph MI. May 15-June 26, 2015.

**Greg Constantine.** West Michigan Area Competition, Kalamazoo Institute of Art. Kalamazoo MI. May 8-August 9, 2015.

**Greg Constantine.** Krasl Members Show, Krasl Art Center. St Joseph MI. September 18-November 8, 2015.

**Greg Constantine.** ArtPrize, Fifth-Third Bank venue. Grand Rapids, MI. September 23- October 11.

<https://www.artprize.org/greg-constantine/2015/car-quotes>

**Greg Constantine.** Group Exhibit, New River Fine Art Gallery. Ft Lauderdale, FL. October 15- November 8, 2015.

<http://lasolasboulevard.com/?blogpost=new-river-fine-arts-season-premiere-exhibit-teams-with-handy-for-art-with-a-heart-fundraiser>

**Greg Constantine.** Group Exhibit, Lee Hayden Gallery. Beachwood, OH. September 7-October 15, 2015

**Greg Constantine.** Group Exhibit, Bernarducci-Meisel Gallery. New York, NY. March 20-April 12.

<http://www.bernarduccimeisel.com/artist/index.php?aid=96>

**Greg Constantine.** Group Exhibit, Armstrong-DeGraaf Gallery. Saugatuck, MI. August 12- September 30.

[http://adgifa.com/index.php/artists/view/greg\\_constantine](http://adgifa.com/index.php/artists/view/greg_constantine)

**Greg Constantine.** Scribes of Hope: Christians in the Visual Arts Travelling Exhibit. <http://civa.org/exhibits/traveling-exhibits/scribes-of-hope-ii/>

- Christ Church Hamilton, South Hamilton, MA. January 8-February 5, 2015.
- First Presbyterian Church of Flint, Flint MI. February 12-April 9, 2015.
- Westminster Presbyterian Church, Waterloo IA. April 15-June 15, 2015.
- First Baptist Church, Greensboro NC. October 1-29, 2015.
- Aldersgate UMC, Abilene TX. November 10, 2015-January 5, 2016.

**Greg Constantine.** Jesus of New York, 22 drawings from the book: AMiCUS Romania Travelling Exhibit.

- Delta Art Gallery, Arad. October 3-19, 2015.
- Anald Gallery, Bucharest. August 15-September 10, 2015.
- Quadro Gallery, Cluj. June 6-July 1, 2015.
- Golden House Exhibit Space, Craiova. July 7-31, 2015.
- Vector Gallery, Iasi. April 15-30, 2015.
- Amicus Cernica ITA. May 31-June 5, 2015.

- Contemporary Gallery, Sibiu. March 3-28, 2015.
- Gallery Studio B5, Tirgu Mures. February 13-March 1, 2015.
- Calina Gallery, Timisoara. November 2-22, 2015.

**Kari Friestad.** Art Now: Painting 2015. Ann Arbor Art Center, Ann Arbor, MI. April, 2015.

**Kari Friestad.** Michiana Annual Art Competition. Box Factory for the Arts, St. Joseph, MI. May-June, 2015.

**Kari Friestad.** In Celebration of Golden Apple Artists Exhibition. Jonesport Public Library, Jonesport, ME. August, 2015.

**Steve Hansen.** “Ware Wolves in Sheep’s Clothing.” Curated exhibition with Kip O’Krongly. Pewabic Pottery, Detroit, MI. January 23-March 29, 2015. <http://www.pewabic.org/blog/2014/11/25/ware-wolves-in-sheeps-clothing/>

**Steve Hansen.** “Vessels of Merriment,” group exhibition. Grovewood Gallery, Ashville, NC. October 2015. <http://thelaurelofasheville.com/arts/vessels-of-merriment-at-grovewood-gallery/>

**Steve Hansen.** 2015 Yunomi Invitational. Akar Gallery, Iowa City, IA. May 2015 <https://www.akardesign.com/shows/index.asp?iShowID=155&page=9>

**Steve Hansen.** Fe, invitational exhibition. Schaller Gallery. May 2015. <http://schallergallery.com/exhibition/228/Ferric--Ferrum--Iron>

**Steve Hansen.** The Almighty Cup: A national juried and invitational exhibition. Gandee Gallery, Fabius, NY. October 2015.

<http://www.gandeegallery.com/2015/09/the-almighty-cup/>

**Steve Hansen.** 30x5 Americano Invitational. Akar Gallery, Iowa City, IA. November 2015. <https://www.akardesign.com/shows/index.asp?iShowID=160>

Jeremy Randall and **Steve Hansen.** Crimson Laurel Gallery, Bakersville, N.C. June 2015. [http://www.crimsonlaurel-gallery.com/Exhibit\\_Detail.cfm?ShowsID=82](http://www.crimsonlaurel-gallery.com/Exhibit_Detail.cfm?ShowsID=82)

**Steve Hansen.** Body Transformations. Patrajdas Contemporary, Ogden, UT. December 2015. [http://patrajdas.com/exhibitions/1115\\_body-transformation.html](http://patrajdas.com/exhibitions/1115_body-transformation.html)

**Steve Hansen.** Decalomania. Curated by Dan Anderson. Reese Gallery, St. Louis, MO. November 2015.

<http://hersle.com/events/1973593/decalomania-curator-dan-anderson-atreesegallery>

**Steve Hansen.** NCECA (National Conference for Educators in the Ceramic Arts) Gallery Expo, 18 Hands Gallery. Providence, RI. March 2015.

**Rhonda Root.** Exhibition, Marble Arch Caves Global Geopark. Museum Gallery, Republic of Ireland. July 2015.

**Marc Ullom.** Water Exhibition. Center for Fine Art Photography, Fort Collins, CO. April 24-May 30, 2015.

**Marc Ullom.** Alternative Processes Exhibit. PhotoPlace Gallery, Middlebury, VT. June 30-July 24, 2015.

**Rachel Williams-Smith.** Award of Excellence for non-fiction book—*Born Yesterday: The True Story of a Girl Born in the 20th Century but Raised in the 19th*. Associated Church Press, 2015. <http://www.theacp.org/acp-awards-announced/>

# FACULTY RESEARCH & CREATIVE ACTIVITY

RESEARCH GRANTS / UNDERGRADUATE RESEARCH SCHOLARS

## 2015–2016 FACULTY RESEARCH GRANTS

- Ivan Davis** (English), Fred Newton Scott and Journalism Training at the University of Michigan
- Kari Friestad** (Visual Art, Communication & Design), Exhibition and Studio Work Plan
- Daniel Gonzalez-Socoloske** (Biology), Characterization of manatee habitat and its use with side-scan sonar in Isla de La Juventud, Cuba
- Thomas Goodwin** (Biology), Distribution and paleobiology of hibernation in fossil ground-dwelling squirrels from the Meade Basin, SW Kansas, USA
- James Hayward** (Biology) and **Shandelle Henson** (Mathematics), Comparison of Surface Patterns on Cannibalized and Noncannibalized Gull Eggs
- Hyun Kwon** and **Rodney Summerscales** (Engineering and Computer Science), Paper biosensors and mobile apps for affordable detection of cancer biomarkers
- Kanya Long** (Biology), Complementary local and international research opportunities for undergraduates in the Arbovirus Ecology Laboratory
- Peter Lyons** (Biology), Structure and function of carboxypeptidase O
- Desmond Murray** (Chemistry) and **Kanya Long** (Biology), Hybrid Heterocyclic Boronic Acids as Potential Inhibitors against Alphaviruses
- Benjamin Navia** and **John Stout** (Biology), The effect of model calls with varying sound intensities and multiple frequencies in the phonotactic selectivity and its neural correlates in female crickets
- Boon-Chai Ng** (Engineering and Computer Science), Creating and Testing Anodized Aluminum for potential application as an interposer in the test socket industry
- Joel Raveloharimisy** and **Arian Timoti** (Behavioral Sciences), Understanding Poverty in Madagascar
- Shannon Trecartin** (Social Work), Examining the Factor Structure of the Latent Construct “Physical Home Environment” using the National Health and Aging Trends Study
- Robert Zdor** (Biology), Cloning & Sequencing of Weed Deleterious Rhizobacterial Genomic Sequences Associated with Production of the Plant Hormone Auxin

## 2015–2016 FACULTY RESEARCH GRANT RENEWALS

- Lisa Ahlberg** (Chemistry), Investigation of 1,3-Dipolar Cycloaddition Mechanisms: Synthesis of Thiolactomycin and Derivatives
- Stanley Beikmann** (Agriculture), Using What JFS Archaeology has Learned - for Education and Conservation of Plants, Water and Soil
- Greg Constantine** (Visual Art, Communication & Design), Creation and Exhibition of “Poetic Licenses”
- Ryan Hayes** (Chemistry), Structure Identification and Toxicity Assessment of an Arginine-based Heterocyclic Amine

- Kenneth Logan** (Music), Documentation of William Huber, Jr. Collection at The Library of Congress and Its Name-sake; Musical Composition Fostering and Efficiency Project
- David Mbungu** (Biology), Modulation of Phonotaxis by Monoamines
- Getahun Merga** (Chemistry), Synthesis and Characterization of Conjugated Gold and Silver Nanoparticles with Sulfur Containing Amino Acids
- Marlene Murray** (Biology), The Effects of Omega-3-Fatty Acids on Intracellular myo-Inositol
- David Randall** (Chemistry), Development and use of NO chemical sensor
- Denise Smith** (Biology), The Role of the Oncogene HER2/neu in breast cancer and potential therapeutic screening
- Chi Yong Yun** (Music), Johann Samuel Schroeter Piano Concertos

## 2015–2016 UNDERGRADUATE RESEARCH SCHOLARS

- Charles Abreu** (Karl Bailey, Behavioral Sciences), Cluster analysis of eye movement patterns and degrees of belief. Summer 2015
- Will Allen** (Boon-Chai Ng, Engineering), Creating and Testing Anodized Aluminum for potential application as an interposer in the test socket industry. Summer 2015, Fall 2015
- Christiana Atkins** (Harvey Burnett, Behavioral Sciences), Moral Reasoning and Judgments about Ending Life Revisited: The Influences of Education, Spirituality and Resilience. Fall 2015, Spring 2016
- Kaydra Bailey** (Desmond Murray, Chemistry), Liquid Crystalline Rhodanines as Biological Stains. Summer 2015
- Christian Bardan** (Peter Lyons, Biology), Analysis of mammalian carboxypeptidase O expression patterns. Fall 2015
- Alaryss Bosco** (Monique Pittman, English), A Machiavellian Framing of Power Dynamics in Shakespeare’s Henry V as adapted by Olivier, Branagh, and the BBC’s Hollow Crown. Summer 2015, Fall 2015
- Noah Chun** (Getahun Merga, Chemistry), Characterization of naked noble metal nanoparticles before and after binding them to specific organic molecules and biomolecules. Fall 2015
- Saharsh Dass** (Shandelle Henson, Mathematics), Mathematical Models of Animal Behavior. Fall 2015, Spring 2016
- Jonathan Doram** (Anneris Coria-Navia, Teaching, Learning & Curriculum), Surviving or Thriving: A Mixed Methods Case Study Investigating the Impact of Racial and Ethnic Diversity on Student Levels of Thriving in a Choral Classroom. Spring 2016
- Hazel Ezeribe** (Peter Lyons, Biology), An analysis of carboxypeptidase folding mechanisms. Fall 2015
- Josias Flores** (Romulus Chelbegean, Religion), Being a Pastor’s Husband. Summer 2015, Fall 2015
- Amante Gonzalez** (Romulus Chelbegean, Religion), Being a Pastor’s Husband. Summer 2015, Fall 2015

# FACULTY RESEARCH & CREATIVE ACTIVITY

## UNDERGRADUATE RESEARCH SCHOLARS

**Noel Harris** (Joel Raveloharimisy, Behavioral Sciences), Using Theories of Change for the Education of Social Responsibility: A Theoretical Framework. Spring 2016

**Cooper Hodges** (Duane McBride, Behavioral Sciences), Religiosity & Perceived Stress Among College Students. Summer 2015, Fall 2015, Spring 2016

**Shanelle Kim** (Monique Pittman, English), Religion, Morality, and Gender in Ben Johnson's *Volpone*. Summer 2015

**Jong Bin Lee** (Benjamin Navia, Biology), L3 auditory interneuron responses to dual-frequency calling songs in female crickets (*Acheta domesticus*). Summer 2015, Fall 2015

**Julie Logan** (Yun Myung Oh, Mathematics), A characterization of sphere curves: Summary and new. Fall 2015, Spring 2016

**Bernardo Martinez** (Rodney Summerscales, Computer Science), Providing immersive virtual reality walkthroughs of large, architect-designed buildings. Summer 2015

**Karla Mulzac** (Benjamin Navia, Biology), The effect of dual frequency calls in the phonotactic response of female cricket *Acheta domesticus*. Spring 2016

**Rufaro Musvosvi** (Hyun Kwon, Engineering), Matlab Gui application for Optical trapping. Fall 2015

**Fonda Mwangi** (Rachel Williams-Smith, Communication), From Good to Great-An Action Research study to Improve the New Faculty Onboarding Experience. Spring 2016

**Michael Plantak** (Ryan Hayes, Chemistry), Ames Test Optimization for Evaluating Mutagenicity of Arginine-Based Heterocyclic Amines. Fall 2015

**Zachary Reichert** (John Stout, Biology), The effect of model calls with varying sound intensities and multiple frequencies in the phonotactic selectivity and its neural correlates in female crickets. Summer 2015, Fall 2015

**Zachary Reichert** (Ryan Hayes, Chemistry), Structure Identification of Mutagenic Arginine-Based Heterocyclic Amines. Spring 2016

**Timothy Robertson** (Joon Kang, Mathematics), Sufficient conditions for the uniqueness of positive solutions to an elliptic model. Summer 2015, Fall 2015, Spring 2016

**Elmany Saint-Fleur** (Garth Woodruff, Agriculture), Sustainable Agriculture. Summer 2015

**Randy Sanchez** (Thomas Goodwin, Biology), Distribution and paleobiology of hibernation in fossil ground-dwelling squirrels from the Great Plains. Spring 2016

**Heaven Shin** (Hyun Kwon, Engineering), Paper biosensor design and test. Summer 2015

**Connor Smith** (Garth Woodruff, Agriculture), Identifying and Preserving Endangered Plants in Tall Hishbon, Jordan. Summer 2015

**Rashida Smith** (James Hayward, Biology), Measuring the effects of sea surface temperature on seabird cannibalism in the Salish Sea. Spring 2016

**Christa Spieth** (Boon-Chai Ng, Engineering), Testing anodized aluminum for potential application as an interposer in the test socket industry. Spring 2016

**Gabriel Stanier** (Ryan Hayes, Chemistry), Isolation and detection of Arginine-based HCA in Complex Plant Proteins. Fall 2015

**Krystal Uzuegbu** (Lionel Matthews, Behavioral Sciences), Psycho-social, Religious, and Socio-demographic Predictors of Racial Attitude in a Selected Group of Americans. Summer 2015, Fall 2015, Spring 2016

**Zachary Verhelle** (Hyun Kwon, Engineering), Electrochemical paper biosensor development. Spring 2016

**Chrystal Wedderburn** (Oystein LaBianca, Behavioral Sciences), Survey of Habitation Caves in Jordan. Spring 2016

**Hyelin You** (David Nowack, Chemistry), Stabilization of Aqueous Ascorbic Acid Solutions using PAMAM Dendrimers. Summer 2015, Fall 2015

**Dillon Zimmerman** (Getahun Merga, Chemistry), Arylidene Barbiturates as Potential Bifunction Nanoparticle Linkers. Spring 2016





Dr. Karl Bailey, receiver of both the John Nevins Andrews Medallion and the Siegfried H. Horn Award for Excellence in Research and Creative Scholarship, shares a laugh on stage with now-President Emeritus Niels-Erik Andreasen during the graduation ceremony.



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