



Newsletter

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Welcoming the New Guard



Haynes-Granville-Browne Session of Presentations by Recent Doctoral Recipients

The Annual New Ph.D. Session was held at the Joint Mathematics Meetings in San Diego, California on Friday, January 12, 2018. The session organizers were Edray Herber Goins (Purdue University) and Talitha Washington (Howard University / National Science Foundation). Pictured from left to right: Edray Herber Goins, Alexander Diaz-Lopez (Villanova University), Cory H. Colbert (Williams College), Haydee Lindo (Williams College), Melissa Guemo Ngamini (Morehouse College), Kamal K. Barley (University of Cincinnati), Kendra Pleasant (Morgan State University), Bobby Wilson (Massachusetts Institute of Technology), and Talitha Washington. Karen T. Hicklin (UNC Chapel Hill) is not pictured.

The National Association of Mathematicians (NAM)

publishes the NAM Newsletter four times per year.

Editor

Dr. Omayra Ortega (Pomona College)
editor@nam-math.org
<https://omayraortega.com/>

Editorial Board

Dr. Mohammad K. Azarian (University of Evansville)
azarian@evansville.edu
<http://faculty.evansville.edu/ma3/>

Dr. Abba Gumel (Arizona State University)
agumel@asu.edu
<https://math.la.asu.edu/~gumel>

NAM's History and Goals: The National Association of Mathematicians, Inc. (known as NAM) was founded in 1969. NAM, a nonprofit professional organization, has always had as its main objectives, the promotion of excellence in the mathematical sciences and the promotion and mathematical development of under-represented minority mathematicians and mathematics students. It also aims to address the issue of the serious shortage of minorities in the

workforce of mathematical scientists.

NAM's National Office: Dr. Leon Woodson, Executive Secretary, Department of Mathematics, Morgan State University, 1700 E Cold Spring Lane, Baltimore, MD 21251; e-mail: executive-secretary@nam-math.org.

Subscription and membership questions should be directed to Dr. Roselyn E. Williams, Secretary-Treasurer, National Association of Mathematicians, P.O. Box 5766, Tallahassee, Florida 32314-5766; (850) 412-5236; e-mail: secretary-treasurer@nam-math.org.

NAM's Official Webpage: <http://www.nam-math.org>

Newsletter Website: The NAM website has a list of employment as well as summer opportunities on the Advertisements page. It also features past editions of the Newsletter on the Archives page.

Letters to the editor and articles should be addressed to Dr. Omayra Ortega via e-mail to editor@nam-math.org.

From the Editor



I am very excited to take on this new role as the editor of the NAM newsletter. I am looking forward to providing you with up to date information on activities in the mathematical community that are pertinent to you and keep you abreast of opportunities for advancement.

Sadly, our Vice-President and Editor, Dr. Talitha Washington, decided in October 2018 to step

down from both offices in order to focus on her duties as a program officer at the National Science Foundation (NSF). Dr. Washington began as Editor with the Spring 2010 Newsletter, and continued for the next 8 years to produce sixteen newsletters. These issues have been as informative to read as beautiful to peruse.

Also, our Outside Academia Member, Dr. Ronald Buckmire, decided to step down in April 2018 due to a Conflict of Interest with his position at NSF. But this is for a good reason: NAM has been awarded an NSF grant to fund our Undergraduate MATHFest!

Please join me in thanking Dr. Washington for providing NAM with an invaluable resource for generations to come; and in thanking Dr. Buckmire for all of the work he was done assisting and advising the organization.

Sincerely, Dr. Omayra Ortega



Publishing in the NAM Newsletter

Submissions: The *NAM Newsletter* is a quarterly newsletter. Articles and letters should be submitted electronically to the editor at editor@nam-math.org, or by postal mail to Dr. Omayra Ortega, NAM Newsletter, Pomona College, Department of Mathematics, 333 N. College Way, Claremont, CA 91711. You can find more information at the web page

<https://www.nam-math.org/submitting-advertisements-and-articles.html>

Advertising:

NAM Online Advertisement Policy: As a part of its Newsletter Advertising, a copy of the advertisement will be placed on the web during the period it appears in the quarterly Newsletter - at the Job Openings website.

NAM Newsletter Print Advertisement Policy for Non-institutional Members: Receipt of your announcement will be acknowledged. You will be billed after the advertisement appears. A copy of the advertisement will be placed on the *NAM Newsletter* website during the period it appears in the *NAM Newsletter*. To estimate the page size, use 12 point font on a standard size page.

1. One issue advertising

A. One-fourth page	\$200
B. One-third page	\$300
C. One-half page	\$400

D. Two-thirds page	\$500
E. Three-fourths page	\$600
F. One whole page	\$800

*advertisements over one page are pro-rated

2. Consecutive, multiple issue advertising

Each consecutive issue thereafter 75% of the first issue charge.

NAM Newsletter Print Advertisement Policy for Institutional Members: Receipt of your announcement will be acknowledged. You will be billed after the advertisement appears. Institutional Members of NAM are entitled to one 1/4 page advertisement at 1/2 the regular price during the fiscal year of their membership. Additional advertisements follow the above stated cost structure. A copy of the advertisement will be placed on the *NAM Newsletter* website during the period it appears in the *NAM Newsletter*. To estimate the page size, use 12 pt font in your favorite word processing program on a standard size page.

Deadlines: The deadlines for submissions and advertisements can be found in the following table.

Edition	Deadline
Spring	February 13
Summer	May 13

Edition	Deadline
Fall	August 13
Winter	November 13

Advertisements should be submitted electronically to the editor at editor@nam-math.org, or by postal mail to Dr. Omayra Ortega, NAM Newsletter, Pomona College, Department of Mathematics, 333 N. College Way, Claremont, CA 91711.

We reserve the right to reject any advertising that is not consistent with the stated goals of NAM, or that is in any way deemed inappropriate.



Report on the NAM Activities at the 2018 Joint Mathematics Meetings *by Edray Herber Goins*

The 2018 Joint Mathematics Meetings was held in San Diego, California from Wednesday January 10 through Saturday January 13. As usual, NAM held several large events.



Trachette Jackson (left) and Sylvia Bozeman after the NAM Panel Discussion

On Wednesday January 10, NAM participated in a joint panel discussion titled “Implicit Bias and Its Effects in Mathematics”. This activity was co-sponsored by the Mathematical Association of America (MAA), the Joint Committee on Women in Mathematics (JCW), and the Association of Women in Mathematics (AWM); and co-organized by Andrew Cahoon (Colby-Sawyer College), Naomi Cameron (Lewis & Clark College), Charles Doring (University of Michigan), and Semra Kilic-Bahi (Colby-Sawyer College). Moderated by Maura Mast (Fordham College at Rose Hill), panelists included Ron Buckmire (National Science Foundation and NAM Board Member), Jenna P. Carpenter

(Campbell University), Lynn J. Garrioch (Colby-Sawyer College), Joanna Kania-Bartoszynska (National Science Foundation), and Francis Su (Harvey Mudd College).



MAA-JCW-AWM-NAM Panel Discussion

On Friday January 12, NAM held its annual Haynes-Granville-Browne Session of Presentations by Recent Doctoral Recipients. Moderated by Talitha Washington (Howard University), the three-hour session featured eight speakers:

- Bobby Wilson (MIT)
Orthogonal Projections and Regularity of Sets
- Cory H. Colbert (Williams College)
Enlarging Noetherian Rings While Preserving Their Spectrum
- Kendra Pleasant (Morgan State University)
Central Sets Theorem in Adequate Partial Semigroups
- Haydee Lindo (Williams College)
Trace ideals and their applications in commutative algebra
- Alexander Diaz-Lopez (Villanova University)
A proof of the peak polynomial positivity conjecture



- Melissa Guemo Ngamini (Morehouse College) *Nonlinear Filtering Problems for systems governed by PDEs*
- Kamal K. Barley (University of Cincinnati) *Implications from Modeling of Visceral Leishmaniasis Transmission: A Region-dependent Characterization of Risks*
- Karen T. Hicklin (UNC Chapel Hill) *A Bayesian Markov Decision Process to Evaluate Mode of Delivery*

The NSF-Funded Mathematics Institutes provided an award for the Best Speaker at this session. The award provides (1) a certificate, and (2) reimbursement for the winner’s expenses to attend one scientific workshop at any of the nine NSF-Funded Math Institutes during the 18 months following the New PhD Session. This year, Kendra Pleasant was the winner.

Dr. Stephens passed away just a couple of months after receiving the award. Both received their accolades in absentia, although their plaques were mailed later.



Daniel Celestin (right) accepts Lifetime Achievement Award on behalf of Rudy Horne



Kendra Pleasant won Best Speaker at the New PhD Session

Later that Friday evening, NAM held its annual Banquet. We presented Centenarian Awards to NAM members who turned 100 years old: Virginia Kimbrough Newell (Winston-Salem State University) and Clarence F. Stephens (SUNY Potsdam). Dr. Newell is the last living author of the book “Black Mathematicians and Their Works”.

We also presented two Lifetime Achievement awards: Rudy L. Horne, Jr. (Morehouse College) and Carolyn Mahoney (Lincoln University of Missouri). Dr. Horne, the mathematics consultant for the film “Hidden Figures” and the 2018 MAA-NAM Blackwell Lecturer, passed away unexpectedly in December 2017; his cousin Daniel Celestin accepted the award on his behalf. Dr. Mahoney was not able to attend the Banquet in person, but provided some remarks which were read aloud.



Banquet attendees Karen King (left), Erica Walker, Johnny Houston, and Leona Harris

The evening closed with the Cox-Talbot Lecture. Erica Walker (Teacher’s College, Columbia University) gave an address titled “Hidden in Plain Sight: Mathematics Teaching and Learning Through a Storytelling Lens”.



Erica Walker gives the 2018 Cox-Talbot Address

On Saturday January 13, the day’s activities began with NAM’s Annual Panel Discussion. The topic was “Advising Our Students on the Transition to the 1st (or 0th) Year of Graduate School”. Moderated by Duane Cooper (Morehouse College), panelists included Chelsea Walton (Temple University), Trachette Jackson (University of Michigan), Douglas Mupasiri (University of Northern Iowa), and Michael Young (Iowa State University).

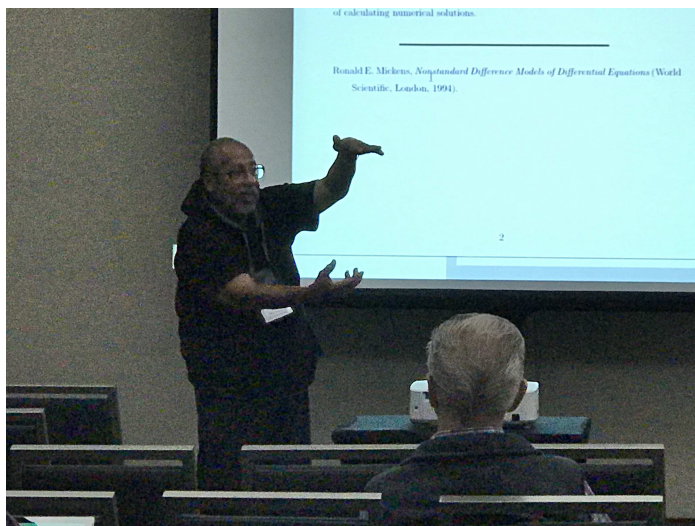
Directly after, Edray Herber Goins (Purdue University and NAM President) presided over the NAM Business Meeting. After a short presentation, the

Stephens-Shabazz Teaching Award was approved; see article in this Newsletter for more information.



Duane Cooper (left) moderates the 2018 NAM Panel Discussion

That afternoon, Ronald E. Mickens (Clark Atlanta University) gave the Claytor-Woodard Lecture on “Nonstandard Finite Difference Schemes: Impact, Importance, and Dynamical Consistency”.



Ronald Mickens gives the 2018 Claytor-Woodard Lecture

More information about these activities can be found at the web page <https://www.nam-math.org/jmm-events.html>.

Edray Herber Goins is the President of NAM. He officiated most of the events at the Joint Mathematics Meetings. He can be reached at president@nam-math.org. □



Carolyn Mahoney Receives NAM'S 2018 Lifetime Achievement Award *by Johnny L. Houston*



Portrait of Carolyn Ray Boone Mahoney

Dr. Carolyn Mahoney was one of two persons to receive a NAM Lifetime Achievement Award at NAM's National Meeting in San Diego, California in January 2018.

Carolyn Ray Boone Mahoney was born in Memphis, Tennessee in 1946 to Stephen and Myrtle Boone. Carolyn attended a Catholic school where she was encouraged in her interest in mathematics by the nuns. After high school, Carolyn attended Mount St. Scholastica College, an all-female college in Kansas, for three years before finishing her Bachelor of Science degree in mathematics at Siena College in Memphis in 1970.

Dr. Mahoney earned graduate degrees in mathematics from the Ohio State University, earning a Master of Science degree in 1972 and a Doctorate degree in 1983. Dr. Mahoney's doctoral thesis was supervised by Dr. Thomas Allan Dowling. Dr. Mahoney was among the first 30 African American women to receive a doctorate degree in mathematics.

While in Ohio, Dr. Mahoney served on the mathematics faculties at Denison University and Ohio State. She participated in outreach and retention programs. For her contributions to education, she was inducted into the Ohio Women's Hall of Fame in 1989.

Dr. Mahoney spent the 1990's at California State University San Marcos, where she was one of twelve founding faculty. She also served as a professor of mathematics, the department chair, and interim Vice President for Academic Affairs. Dr. Mahoney also enjoyed a sabbatical year at the Mathematical Sciences Research Institute (MSRI) in Berkeley, California. In the 1990's, Dr. Mahoney served as a Program Director at the National Science Foundation (NSF) for 15 months.

In fall 2000, Dr. Mahoney joined Elizabeth City State University in North Carolina as dean of the School of Mathematics, Science and Technology. She was later selected as Provost and Vice Chancellor for Academic Affairs. While at Elizabeth City State, Dr. Mahoney was a visiting scholar with the Carnegie Foundation for the Advancement of Teaching, in Menlo Park, California. She either authored or co-authored several publications in graph theory and combinatorics, her mathematical research area, as well as in mathematics education and curricular effectiveness.

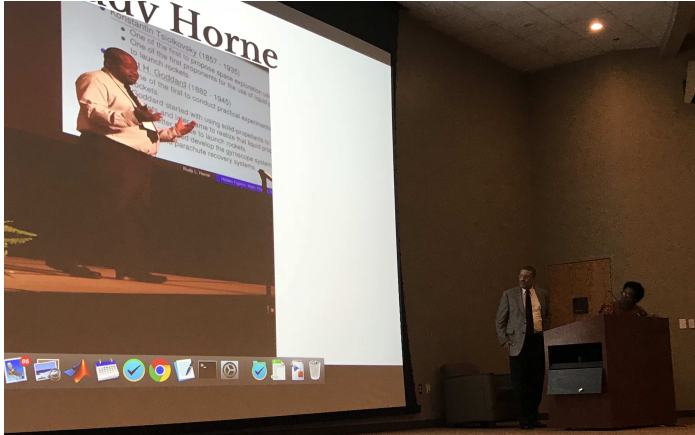
In 2005, Dr. Mahoney became the 18th president of Lincoln University in Missouri, the first woman to hold that post. In 2007, Dr. Mahoney received the Ralph S. Brown Award for Shared Governance from the American Association of University Presidents (AAUP). Dr. Mahoney retired from Lincoln in 2012, and then served on the Coordinating Board for Higher Education until December 2017.

A Life Member of NAM, she gave the NAM Claytor-Woodard Lecture in 1997.

Johnny L. Houston is Executive Secretary Emeritus of NAM. He can be reached at jlhouston602@gmail.com. □



Morehouse College Says Goodbye to Professor Rudy Lee Horne *by Edray Herber Goins*



Duane Cooper and Shelby Wilson present a slideshow of Rudy Horne

On February 16, 2018, Morehouse College hosted a memorial service to honor the late Rudy L. Horne. The event, held in Morehouse's Bank of America Auditorium, was hosted by Ulrica Wilson, Associate Professor of Mathematics, and Duane Cooper, Chair of the Department of Mathematics. Rudy Horne was an Associate Professor of Mathematics who passed away on December 11, 2017 aged 49 years.

The 2-hour event brought Dr. Horne's mother, sister, and other immediate relatives from Chicago, Illinois to Atlanta to hear remembrances by mathematics professor and former postdoctoral advisor Christopher Jones (University of North Carolina), mathematics professor and collaborator Bill Massey (Princeton University), graduate student and Morehouse alum Zerotti Woods (University of Georgia), as well as mathematics professor and former colleague Curtis Clark (Morehouse College).

NAM President Edray Herber Goins was in attendance, and spoke on the program on behalf of the organization. Below are his remarks:

A year ago, during the Joint Mathematics Meetings in Atlanta, the National Association of Mathematicians (NAM) had a unique opportunity to

showcase the women and the mathematics of "Hidden Figures" to one of the largest audience of mathematicians in the world. A consortium of several groups came together to host a panel discussion on January 4, 2017 for some 400 individuals who wanted to hear from the author, Margot Lee Shetterly, as well as one of the women featured in the book, Christine Darden. At the time we felt it would be too much to feature the mathematical consultant for the film, the late Rudy Horne, but he was in the audience. Dr. Horne and Ms. Shetterly met at the end of the evening and entertained us with many stories about working on the film. It was then that we knew we had to get Dr. Horne to tell these stories to a larger audience.

As president of NAM, I invited Dr. Horne to give the annual MAA-NAM David Blackwell Lecture on July 28, 2017 in Chicago as part of Mathematical Association of America (MAA) MathFest. Rudy's address was truly special. There were nearly 1,000 mathematicians in the audience – more than twice as many as those at the panel just 7 months earlier – eager to hear about the mathematics behind "Hidden Figures". The audience listened to Dr. Horne with rapt attention as he wove a story of the how the early "computers", including Katherine Johnson, worked under incredible pressure and insurmountable odds to make sure the United States would get a man to outer space and safely back on the ground again.

Perhaps the most important impression Dr. Horne left on all of us was the im-



age of one mirthful African American mathematician, a professor at one of our country's Historically Black Colleges and Universities (HBCUs), telling the story of three nearly forgotten African American mathematicians, remarkable products of HBCUs. Dr. Horne had provided an intangible lesson: African

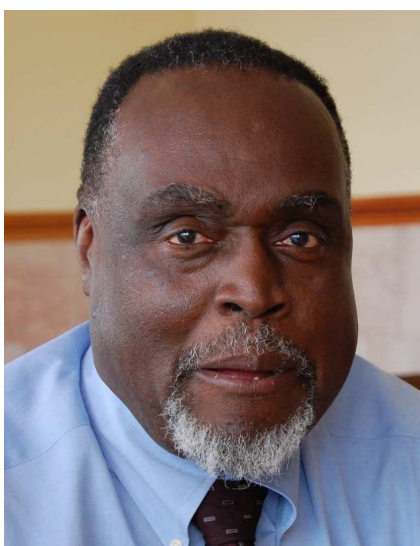
American mathematicians may be small in number, but our impact is great. He will be missed.

Edray Herber Goins is the President of NAM. He can be reached at president@nam-math.org. □



Group Photo of the Memorial Service Participants

James Donaldson Receives Honorary Doctorate from Lincoln University *by Edray Herber Goins*



James Ashley Donaldson

On Sunday May 6, 2018, NAM founder James A. Donaldson received an honorary doctorate from Lincoln University of Pennsylvania.

Dr. James Ashley Donaldson earned a Bachelor of Arts degree in Mathematics from Lincoln University in 1961. He served as interim president of Lincoln in Fall 1998. He is a former president Alumni Association of Lincoln University, and a former member of the Lincoln University Board of Trustees. Dr. Donaldson has endowed two Lincoln University scholarships: The Audrey Brown Scholarship and The James A. “Moose” Parker Memorial Endowed Scholarship.

Dr. Donaldson received a Doctorate in Mathematics in 1965 from the University of Illinois at

Urbana-Champaign. Dr. Donaldson was chair of the department of mathematics at Howard University from 1972 to 1990. In 1976, Dr. Donaldson established the first doctoral program in Mathematics at a Historically Black University and College when he did so at Howard University. By 1984, there were seven graduates of this program. It has since gone on to become a major producer of America of African American with Doctoral degree in Mathematics. In the fall of 1999, Dr. Donaldson

became Dean of Natural Sciences at Howard University.

Dr. Donaldson was one of the 17 individual members who founded NAM at its inaugural meeting in New Orleans on January 26, 1969.

Edray Herber Goins is the President of NAM. He can be reached at president@nam-math.org. □

Mathematician Talithia Williams Hosts PBS “NOVA Wonders” by Edray Herber Goins



Dr. Talithia Williams, Associate Professor of Mathematics at Harvey Mudd College, is the host of a new show on PBS called “NOVA Wonders.”

“NOVA Wonders” is a 6-part series exploring the biggest questions on the frontiers of science. To quote from the website <http://www.pbs.org/wgbh/nova/wonders/>:

“NOVA Wonders” takes viewers on a journey to the frontiers of science, where researchers are tackling some of the biggest questions about life and the cosmos. From the mysteries of astrophysics to the secrets of the body to the challenges of inventing technologies that could rival—and even surpass—the abilities of the human mind, these six hours reveal how far we’ve come in our search

for answers, how we managed to get here, and how scientists hope to push our understanding of the universe even further. Along the way, we meet the remarkable people who are transforming our world and our future.

The first episode, titled “What Are Animals Saying?”, aired on April 25, 2018. The last episode, titled “What’s the Universe Made Of?”, aired on May 30, 2018. The show is also co-hosted by Drs. André Fenton and Rana el Kaliouby. All episodes can now be purchased on DVD and through iTunes.

Dr. Williams is Associate Dean for Research and Experiential Learning at Harvey Mudd College. In 2014, she gave a TED Talk on the topic “Own Your Body’s Data”; this has been viewed nearly 1.5 million times online. Dr. Williams gave the 2015 NAM Claytor-Woodard Lecture in San Antonio, Texas on a topic titled “Statistician’s Guide to Becoming Your Body’s Expert”. She gave the 2015 Claytor-Woodard Lecture, and is scheduled to give the 2019 NAM Cox-Talbot in Baltimore, Maryland.

Edray Herber Goins is the President of NAM. He can be reached at president@nam-math.org. □



Gloria Hewitt Graduate Scholarship in Mathematical Sciences

by Edray Herber Goins

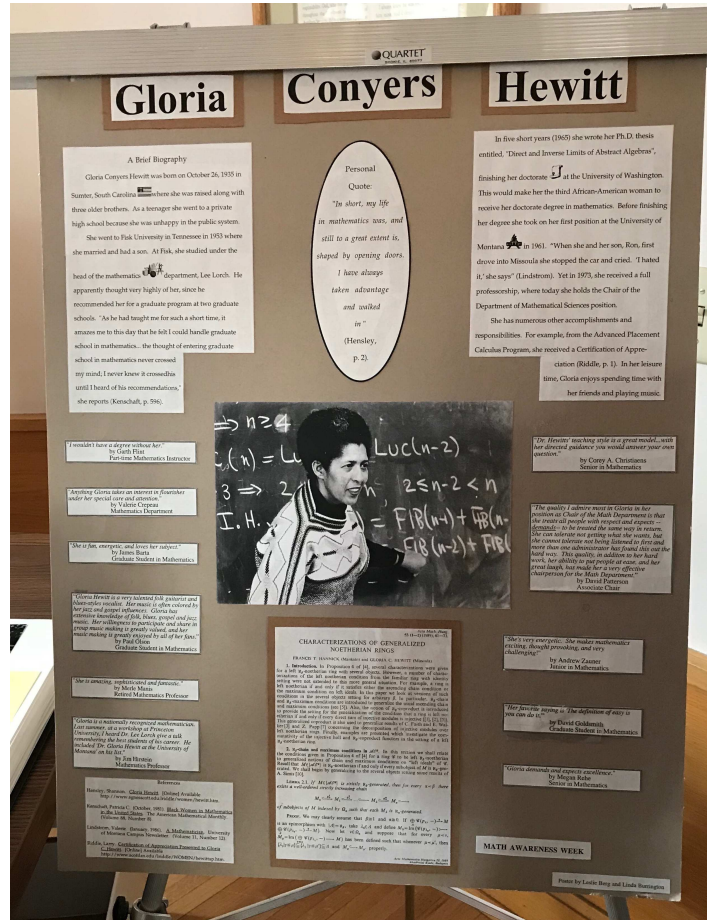


Gloria Conyers Hewitt at the Reception in Her Honor

On Monday, March 19 2018, the University of Montana at Missoula honored Dr. Gloria Hewitt. NAM President Edray Goins was present as part of the ceremonies.

To quote the University of Montana web site:

Dr. Gloria Hewitt received a B.A. from Fisk University and M.S. and Ph.D. degrees from the University of Washington, becoming one of the first few African-American women in the United States to receive a Ph.D. in Mathematics. Dr. Hewitt became an Assistant Professor in the University of Montana Department of Mathematical Sciences in Fall 1961 and served as Chair of the Department from 1995 to 1999. Dr. Hewitt was a demanding and inspirational teacher. Her passion for mathematics, commitment to teaching, and dedication to supporting underrepresented minorities in the study of math earned her tremendous respect and accolades throughout the University and field of mathematical sciences.



Display from the Reception Honoring Gloria Hewitt

During her UM tenure, Dr. Hewitt increased the visibility of the department, raised more than \$500,000 in gifts to endow new programs supporting undergraduate and graduate mathematics students, and oversaw renovations to modernize the Mathematics building. Professor Hewitt was recognized for her work with a 1999 UM Academic Administrator award and was profiled in the 1998 book, *Notable Women in Mathematics*. Dr. Hewitt retired from the University of Montana in 1999 and was bestowed the title of Professor Emeritus by the Montana University System Board



of Regents.



Emily Stone, Ron Irving, Gloria Hewitt, Gail Irving, and Edray Goins

Dr. Gloria Hewitt graduated with a Ph.D. in Mathematics from the University of Washington in 1961, becoming the seventh African American woman to do so. Soon after, she moved to Missoula, Montana to join the faculty at the University of Montana. Current Department Chair at the University of Washington, Ron Irving, recently established a scholarship in Dr. Hewitt's name for the

graduate students at the University of Washington. The event on March 19 was meant to formally kick off the "Gloria C. Hewitt Graduate Scholarship in Mathematical Sciences".

University of Montana Department Chair Emily Stone and University of Washington Department Chair Ron Irving organized the events on March 19 to honor the life and works of Dr. Hewitt. NAM President Edray Goins was also invited to attend. He gave a colloquium talk in the Department of Mathematics at the University of Montana on a topic titled "Yes, Even You Can Bend It Like Beckham". At the end of the talk, there was a Reception honoring Dr. Hewitt.

More photos from the event can be found online: <https://tinyurl.com/y8gef5oh>. To give to the Scholarship Fund, visit the web page <https://tinyurl.com/y8a7arlg>.

Dr. Hewitt is a longtime member of NAM. She served on the Board of Directors for many years, working on the Newsletter in particular.

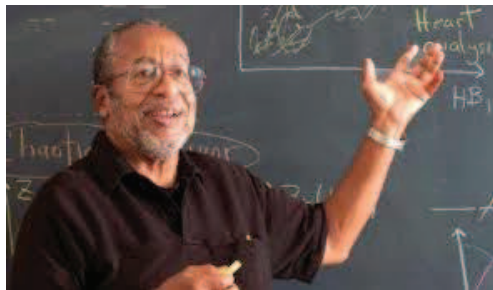
Edray Herber Goins is the President of NAM. He can be reached at president@nam-math.org. □



Gloria Hewitt (center), Edray Goins (center right), and the Department of Mathematics at the University of Montana – Missoula



Ronald Mickens to Receive the 2018 Blackwell-Tapia Prize *by Edray Herber Goins*



Ronald Elbert Mickens

On May 2, 2018, The National Blackwell-Tapia Committee announced that the 2018 Blackwell-Tapia Prize will be awarded to Dr. Ronald E. Mickens, the Distinguished Fuller E. Callaway Professor in the Department of Physics at Clark Atlanta University.

The prize is awarded every other year in honor of the legacy of David H. Blackwell and Richard A. Tapia, two distinguished mathematical scientists who have inspired generations of African American, Latino/Latina, and Native American students and professionals in the mathematical sciences. The prize recognizes a mathematician who has contributed significantly to research in his or her field of expertise, and who has served as a role model for mathematical scientists and students from underrepresented minority groups or has contributed in other significant ways to addressing the problem of the under-representation of minorities in math. NAM has a lecture in honor of David Blackwell which is given every year at MAA's MathFest. David Blackwell gave the 1985 Claytor-Woodard Lecture in Anaheim, California; and Richard Tapia have the 1999 Wilkins Lecture at NAM's MATH-Fest IX at Texas Southern University.

Dr. Mickens' interest and engagement in issues around the underrepresentation of people of African American and Latinx descent in mathematics is sustained, significant and substantial. He has been unearthing, celebrating and publicizing the achieve-

ments of Black scientists for more than four decades. For example, he was elected a charter Fellow of the National Society of Black Physicists in 1992 and received the Edward Bouchet award for Excellence in Research from the National Conference of Black Physics Students in 2004. His book *Edward Bouchet: The First African American Doctorate* was published in 2002 and is an important contribution to the history of the participation of African Americans in STEM fields. During his long tenure as a professor at an HBCU, Mickens has had an immeasurable impact on a large number of students, the vast majority of whom have been African American. In addition to serving as a role model to the students who have passed through his classes, Mickens has been an accessible resource and mentor to numerous early career and mid-career mathematical scientists from various underrepresented groups.

The prize will be presented at the Ninth Blackwell-Tapia Conference and Award Ceremony on November 9-10, 2018, at the Institute for Computational and Experimental Research in Mathematics (ICERM) at Brown University in Providence, RI. The conference includes scientific talks, poster presentations, panel discussions and ample opportunities for discussion and interaction.

The National Blackwell-Tapia Committee selected the prize recipient. Committee members include Ulrica Wilson (Morehouse College), NAM Vice-President; and Robin Wilson (California Polytechnic University at Pomona), NAM Majority Institution Member. Dr. Mickens gave the 2018 Claytor-Woodard Address in San Diego, California.

More information about the conference can be found at <https://icerm.brown.edu>.

Edray Herber Goins is the President of NAM. He can be reached at president@nam-math.org. □

Nominations for NAM Officers Now Open

NAM will be holding elections this fall to fill upcoming vacancies for the NAM officers and other positions with ballots will opening on Friday August 31, 2018 and close on Friday November 2, 2018. We are currently accepting nominations which can be submitted online at www.nam-math.org/elections.html or via email to majority-institution-member@nam-math.org. The positions open for election are for (1) Vice-President, (2) Region A Member, (3), Region B Member, (4) Outside Academia Representative, (5) Minority Institution Representative.

- **Vice President**-The President manages the activities of the organization in absence of the President, and helps manage NAMs programs and activities, and performs all other duties that the Board of the Directors may specify.
- **Region A (Southeast/West) Member**-Works to support NAM activities and increase NAM membership, both individual and institutional within their region. Region A (Southeast/West) consists of Alabama, California, Florida, Georgia, Montana, Puerto Rico, South Carolina, Virgin Islands, and any state not in Regions B or C. The primary responsibilities of this position is to work as chair of the Region A Committee to oversee the of planning and implementing the activities of NAM for this region as outlined in the By-Laws.
- **Region B (Mid-Atlantic) Member**-Works to support NAM activities and increase NAM membership, both individual and institutional within their region Region B (Mid-Atlantic) consists of Delaware, the District of Columbia, Kentucky, Maryland, New Jersey, New York, North Carolina, Pennsylvania, Virginia, and West Virginia. The primary responsibilities of this position is to work as chair of the Region B Committee to oversee the of planning and implementing the activities of NAM for this region as outlined in the By-Laws.
- **Majority Institution Representative**- Serve as NAMs liaison for promotion and facilitation of NAMs activities in institutions of higher learning that are majority serving and works to increase NAM membership at student and faculty level within these institutions.
- **Outside Academia Member**- Serve as NAMs liaison for working in both industry and government, and increase NAM membership within these areas.

All terms will be for three years beginning on February 1, 2019 and ending January 31, 2022. Information about each position can be found on the Officers and Committees page on the NAM website <https://www.nam-math.org/elections.html>. **All nominees must email a brief CV, bio, and headshot to majority-institution-member@nam-math.org by Friday August 24th, 2018. Please consider nominating yourself or someone else!**

Candidates must be a current member of NAM and must be currently employed as a professional mathematician at an institution of higher learning (except for the Outside of Academia representative). For membership information go to www.nam-math.org/payment.html.

The Legislation Nomination committee will notify the members of the nominees by Friday August 31, 2018. If you have any questions please contact Robin Wilson, the Legislation-Nomination Committee chair at majority-institution-member@nam-math.org.

While finding time for service is never easy and is often selfless, serving on the NAM Board of Directors in any of these capacities would go a long way towards keeping the organization moving forward in a direction that can continue to inspire future generations.



Events of Interest to NAM Members

A complete list of events containing these and more can be found online:

<https://www.nam-math.org/links.html#Conferences%20and%20Workshops>



CAARMS: July 11-14. The Conference for African American Researchers in the Mathematical Sciences (CAARMS) will take place from July 11-14, 2018 at Princeton University. More information can be found at the web site <http://www.caarms.net>.

Higgins (Texas Tech University), who will speak on “Continuous, Discrete, or Somewhere in Between: An Introduction to Time Scales with Applications.”

Advance registration ends on June 30. More information can be found at the web site <https://www.maa.org/meetings/mathfest>.



MAA MathFest: August 1-4. The annual MathFest of the Mathematical Association of America (MAA) will take place from August 1-4 in Denver Colorado. The MAA bills this event as a “celebration of mathematics and mathematicians, a program rich with varied events and activities for mathematicians, faculty, undergraduate students, graduate students, high school teachers and everyone who loves mathematics!”

The AMS-MAA Joint Invited Address will be given by **Arlie Petters** (Duke University) who will speak on “Gravity’s Action on Light: A Mathematical Journey.” The MAA James R.C. Leitzel Lecture will be given by **Talitha Washington** (Howard University / National Science Foundation) who will speak on “The Relationship between Culture and the Learning of Mathematics.” The MAA-NAM David Blackwell lecture will be given by **Raegan**

StatFest 2018: September 22. The American Statistical Association’s (ASA) StatFest will take place on September 22, 2018 at Amherst College. More information can be found at the web site <https://nhorton.people.amherst.edu/statfest/>.



NAM Undergraduate MATHFest: September 28-30. NAM’s Undergraduate MATHFest XXVIII will take place at Spelman College from Setper 28-30, 2018. The J. Ernest Wilkins Lecture will be given by **Michelle Craddock Guinn** (Belmont University). More information can be found at the web site <https://www.nam-math.org/mathfest.html>.



Modern Math Workshop: October 10-11.

The Mathematical Sciences Diversity Initiative holds a Modern Math Workshop (MMW) prior to the SACNAS National Conference each year. The 2018 MMW will be hosted by SAMSI at the Henry B. Gonzalez Convention Center, San Antonio, Texas on October 10th and 11th, 2018.

The Modern Math Workshop includes a keynote lecture, mini-courses, research talks, a question and answer session and a reception. The keynote speaker is **Javier Rojo** (Oregon State University), with mini-courses run by **Ernest Fokoué** (Rochester Institute of Technology) and **Katie Newhall** (University of North Carolina at Chapel Hill).

Registration ends on June 30, 2018. More information can be found at the web site <https://www.maa.org/meetings/mathfest>.



Field of Dreams Conference: November 2-4.

The National Alliance for Doctoral Studies in the Mathematical Sciences is pleased to announce the Eleventh Annual Mathematical Field of Dreams Conference. This is the thir year the conference will be held at the Renaissance St. Louis Airport Hotel in St. Louis, Missouri. It will take place from November 2-4, 2018.

The Conference will bring together faculty in the mathematical sciences with students from backgrounds underrepresented in those fields. The keynote speakers are **Rodrigo Bañuelos** (Purdue University) and **Cristina Villalobos** (University of Texas Rio Grande Valley).

More information can be found at the web site <https://mathalliance.org/>.

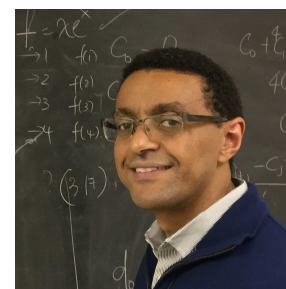


Blackwell-Tapia Conference: November 9-10.

This is the ninth in a series of biennial conferences honoring David Blackwell and Richard Tapia, two seminal figures who inspired a generation of African-American, Native American and Latino/Latina students to go into mathematics.

The conference will also present the Blackwell-Tapia Prize to a mathematical scientist who has contributed significantly both to research in his field of expertise and in ways to address the problem of the underrepresentation of minorities in mathematics. The 2018 recipient of the Blackwell-Tapia Prize is **Ronald E. Mickens**, the Distinguished Fuller E. Callaway Professor in the Department of Physics at Clark Atlanta University.

More information can be found at the web site <https://mathinstitutes.org/diversity/>.



2019 Joint Mathematics Meetings: January 16-19.

The next Joint Mathematics Meetings will take place from January 16-19, 2019 in Baltimore, Maryland. NAM will present Lifetime Achievement Awards to **Melvin R. Currie** (National Security Agency) and **Evelyn Boyd Granville**. The Cox-Talbot Address will be given by **Talithia Williams** (Harvey Mudd College). The Claytor-Woodard Lecture will be given by **Henok Mawi** (Howard University).

More information can be found at the web site <https://www.nam-math.org/jmm-events.html>.



National Association of Mathematicians, Inc. Undergraduate MATHFest XXVIII



NAM's Undergraduate MATHFest is a three-day meeting which rotates around the country based on NAM's regional structure. It is held annually to encourage students to pursue advanced degrees in mathematics and mathematics education. The conference is geared for undergraduates from Historically Black Colleges and Universities (HBCUs), although all are welcome to attend. The conference consists of five components:

Student Talks

There will be ten talks given by undergraduate and graduate students which last 30-minutes each.

Poster Presentations

Students have the opportunity to present posters outlining their research.

Graduate Fair

Universities will have an opportunity to showcase their graduate programs and interact with undergraduate students in a two-hour fair.

Problem Time with Dr. Cooper

Throughout the conference, students will be presented challenge problems. Students with correct solutions will be presented prizes.

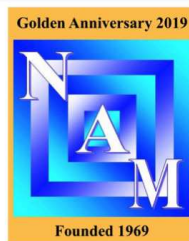
The J. Ernest Wilkins Lecture

This is an hour-long talk, given by an established researcher, to motivate our undergraduates to continue to pursue research in the mathematical sciences.



2018 J. Ernest Wilkins Lecture
Michelle Craddock Guinn
Associate Professor of Mathematics
Belmont University

Funding is available for travel. To apply for funding, visit the conference website below.



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<http://www.nam-math.org/mathfest.html#XXVIII>





The Math Alliance and
The Center for the National
Math Sciences Alliance
at Purdue University



2018 FIELD OF DREAMS CONFERENCE
Hosted by Washington University in St. Louis



November 2-4, 2018
Renaissance St. Louis Airport Hotel
St. Louis, MO

Keynote Speaker



Dr. Rodrigo Banuelos
Professor of Mathematics
Purdue University

Featured Speakers



Dr. Peter Sarnak
Eugene Higgins Professor of
Mathematics, Princeton University
and Professor, The Institute for
Advanced Studies



Dr. Cristina Villalobos
Professor of Mathematics,
University of Texas Rio Grande Valley
and Founding Director of the Center
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For more information, visit our website: mathalliance.org





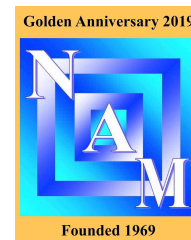
What do you love? Whatever your interest, **we've got the math for that.** Film animation? Pro football? Magic? Music? Dating? Dance? Cryptography? Planet Earth? The Data Revolution? Check, check, check. Meet mathematicians eager to share their enthusiasm on these and many other topics!



<http://www.nationalmathfestival.org/2019-festival/>



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- Louisiana
- Missouri
- Oklahoma
- Illinois
- Ohio
- Mississippi
- Tennessee
- Texas



Preserving the past while endowing for the future!

NAM Golden Anniversary Campaign 2018-2019

The National Association of Mathematicians (NAM) will celebrate its **50th Anniversary Year** in 2019. From January 1, 2018 through September 30, 2019, NAM will conduct a **GOLDEN ANNIVERSARY CAMPAIGN** with the goal of establishing a NAM Endowment Fund of at least **\$2 million** to serve as the base support, ensuring vibrant annual programs and activities for many years into the future. During the campaign NAM expects to:

- Increase its membership of Regular, Life, Student, and Institutional Members
- Endow several annual programs, lectures, and other activities
- Solicit increased support from the broader community, including friends, philanthropists, foundations, companies, and other supportive enterprises.

Golden Anniversary Campaign Committee

Dr. Johnny L. Houston, Elizabeth City State Univ., Co-Chair, jlhouston602@gmail.com; 252-267-2222

Dr. Sylvia T. Bozeman, Spelman College, Co-Chair, sylvia.bozeman@att.net

Dr. Robert E. Bozeman, Morehouse College

Dr. Donald Cole, Univ. of Mississippi

Dr. William 'Bill' Hawkins, Univ. of D.C.

Dr. Emille D. Lawrence, Univ. of San Francisco

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NAM Executive Board's Ex-officio members



Endow Program/Activity!

Listed below are full endowment amounts.

Undergraduate MATHFest	\$500,000
Computational Sc. Institute	\$250,000
Faculty Teaching & Research Institute	\$250,000
Haynes-Granville-Browne Colloquium Presentations by new PhDs	\$125,000
Claytor-Woodard Lecture	\$125,000
Cox-Talbot Address	\$125,000
Albert T. Bharucha-Reid Lecture	\$125,000
J. Ernest Wilkins Lecture	\$125,000
David Blackwell Lecture	\$125,000
Clarence Stephens-Abdulalim Shabazz Teaching Award	\$125,000
Archives	\$125,000

A gift of \$25,000 or more will partially endow one NAM annual program or activity. NAM is a 501(c)(3) non-profit organization. All gifts are tax deductible.

How to Support the Campaign

- Fully or partially endow an annual activity/program
- Encourage others to support the campaign with full/partial endowments
- Give a gift in honor of or in memory of a friend or colleague.
- Include NAM in your estate or future planning.

www.nam-math.org

Golden Anniversary 2019



Founded 1969

The National Association of Mathematicians (NAM), Inc. is a non-profit professional organization in the mathematical sciences with membership open to all.

NAM's Mission

- To promote excellence in the mathematical sciences.
- To promote the mathematical development of underrepresented American minorities.

Major Activities by Season!

WINTER: NAM National Meeting at the JMM, Claytor-Woodard Lecture, Haynes-Granville-Browne Colloquium of Presentations by new PhDs, Cox-Talbot Address and Stephens-Shabazz Teaching Award

SPRING: Regional Faculty Conference, Albert T. Bharucha-Reid Lecture

SUMMER: David Blackwell Lecture, Summer Student Computational Science Institute

Fall: Undergraduate MATHFest, J. Ernest Wilkins Lecture

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**My gift to the NAM Golden Anniversary
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 Bronze: \$500 - \$999

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With my gift above, I desire **NAM Life
 Membership:**

___ Golden Life Membership (\$1,000+)
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*All gifts above will be identified by giving
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[] I want my gift to remain anonymous.
 [] My donation is for a special designation.
 Designation:

**Please credit my gift as an endowment of
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 P.O. Box 5766, Tallahassee, Florida 32314

NAM is a 501(c)(3) non-profit organization.
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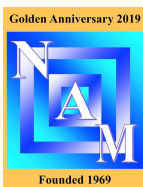
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*(Full endowment amounts listed. For more
 information contact jlhouston602@gmail.com)*

Undergraduate MATHfest	\$500,000
Computational Science Institute	\$250,000
Faculty Teaching & Research Institute	\$250,000
Haynes-Granville-Browne Colloquium Presentations by New PhDs	\$125,000
Claytor-Woodard Lecture	\$125,000
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David Blackwell Lecture	\$125,000
Clarence Stephens-Abdulalim Shabazz Teaching Award	\$125,000
Archives	\$125,000

Note: For student, regular individual
 and institutional NAM memberships, go
 to www.nam-math.org.





NATIONAL ASSOCIATION OF MATHEMATICIANS MEMBERSHIP AND DONATION FORM

MEMBERSHIP CALENDAR YEAR: JANUARY 1, 2018 to DECEMBER 31, 2018

This form can also be completed online at <https://www.nam-math.org/authenticate/register/>

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Web: <http://www.nam-math.org>

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Institutional Representative (for NAM)
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NAM Newsletter

c/o Dr. Omayra Ortega
Mathematics Department
Pomona College
Millikan Laboratory
610 N. College Ave
Claremont CA 91711

ADDRESS SERVICE REQUESTED

Golden Anniversary 2019



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