



Newsletter

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Spring Forward



Medgar Evers College @ JMM 2015

On January 10, 2015, twenty-five students and faculty from Medgar Evers College, CUNY in Brooklyn, New York went to San Antonio, Texas to attend the Joint Mathematics Meetings (JMM). Faculty members Gelonia Dent (second from the right) and Umesh Nagarkatte (farthest right) enjoyed sharing the mathematical landscape with the budding mathematicians of tomorrow.

NAM Membership can be paid for online at: www.nam-math.org.
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The National Association of Mathematicians (NAM)

publishes the NAM Newsletter four times per year.

Editor

Dr. Talitha M. Washington
Howard University
nam_newsletter@yahoo.com
www.talithawashington.com

Editorial Board

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

Dr. Michael Young
Iowa State University
myoung@iowastate.edu
http://orion.math.iastate.edu/myoung

NAM Newsletter Website: <http://nam-newsletter.org>
The 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.

NAM Newsletter Facebook Page:
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webpage!*
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Letters to the editor and articles should be sent to Dr. Talitha M. Washington via email to nam_newsletter@yahoo.com

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; email: Roselyn.Williams@fam.edu

NAM Website: www.nam-math.org

NAM's National Office: Leon Woodson, Executive Secretary, Department of Mathematics, Morgan State University, 1700 E Cold Spring LN, Baltimore, MD 21251

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.

From the Editor

While attending a night out with my middle schooler's track team, I beckoned another mom to take my picture. Over expressions of dissatisfaction emanating from my teen, the mom persisted in snapping photos while I displayed a huge shoe. Returning as NAM's Editor, I am once again honored to carry our communications forward, while recognizing the huge shoes that I must fill. I give thanks to former board members President Nathaniel Dean, Vice President Dawn Lott, Region A Member Duane Cooper, Region B Member William Hawkins, Region C Member Mary Hawkins, Majority Institution Member Donald Outing and past leaders of NAM such as John Alexander, Johnny Houston Rogers Newman, and Scott Williams. Thankfully, Mohammad K. Azarian and Michael Young are accompanying me on carrying the Newsletter forward.

With spring in the air, our new president shares his missions and the new board is presented (page 3). We give praise to Aderemi Kuku for being elected as president of the African Academy of Sciences (page 6). We have great anticipation of the first National Math Festival (page 6) and the second AWM Research Symposium (page 9). Project NExT continues to provide phenomenal training in teaching and research which helped Talithia Williams achieve such greatness (page 7). Ronald Mickens' new book edition reminds us how to make a difference (page 7). Through the many interactions at the Joint Mathematics Meetings (JMM), our community continues to thrive

(page 8). On the cover, we give tribute to Medgar Evers College for brining so many students to JMM. As a Spelman alumna, I am proud of my nine Morehouse brothers who presented posters at the MAA Undergraduate Poster Session. Unfortunately, the meetings will never be the same without Sylvester Reese's capturing smile. On May 21 of 2014, he passed away. He was a proud graduate of Morgan State University and he did his graduate work at Columbia Teacher's College. He benefited from the Morgan-Potsdam Model and was a professor at Queensborough Community College (CUNY).

As I walk forward, I may not be physically accompanied by the many mathematical scholars I have come to know, but with honor, I carry their shoe. I am encouraged to spring forward with great energy so that NAM can continue fertilizing the mathematical landscape with diversity. I challenge each one of you to actively engage as all is possible with participation through each NAM member. So, pick up a huge shoe, tie up your laces and let's spring forward with NAM together.



Talitha Washington

Enjoy!



President's Corner

Edray Goins

In 2000, Dr. Johnny Houston wrote a book entitled "The History of the National Association of Mathematicians, Inc. (NAM) — The First Thirty Years: 1969-1999". I have read this incredible resource from cover to cover in order to gain a better appreciation for the work that was done before us. We learned from the *By Laws* that NAM is "a non-profit professional organization in the mathematical sciences with membership open to all persons interested in the mission and purposes of NAM which are (1) Promoting Excellence in the Mathematical Sciences and (2) Promoting the Mathematical Development of Under-represented American Minorities." Here are just a few of the ways I will strive to see this mission statement implemented:

1. Return to a consistent publication of a newsletter.
2. Embrace the visible inclusion of Chicano/Latino and Native American mathematicians in NAM.
3. Establish a serious presence of NAM at the Blackwell-Tapia Conference and Awards



Edray Goins

Ceremony; the Conference for African-American Mathematicians in the Mathematical Sciences (CAARMS); the National Conference for the Society for the Advancement of Chicanos and Native Americans in the Sciences (SACNAS); the Infinite Possibilities Conference (IPC); and Diversity Day at the Annual Meeting of the Society for Industrial and Applied Mathematics (SIAM).

Witnessing the wonderful programs NAM has sponsored over the years, I see many new ways in which NAM assist with the struggles of those of us underrepresented in the mathematical sciences. I hope you will join me in making NAM an even more dynamic organization!

Edray Goins is the President and a Life Member of NAM. He is an Associate Professor of Mathematics at Purdue University. He can be reached at: ehgoins@mac.com.

NAM Board Springs Ahead

Talitha Washington

In January of 2015, a pivotal election concluded at the Joint Mathematics Meetings in San Antonio, Texas. This election sprung forward many new members of the NAM Board who will continue the legacy. First, we pay homage to the platform that has been the foundation for the organization. Then, we introduce the new leaders who will continue leading the organization.

NAM's Foundations

Dr. Johnny Houston's book entitled "The History of The National Association of Mathematicians (NAM) — The First Thirty (30) Years: 1969-1999" and published in 2000, begins with a section entitled "Establishing Awareness". His book goes on to say that a "group of seventeen (17) person, all under-represented (minority) American mathematical professionals, are given credit as bringing about the inception of NAM. The group met in New Orleans Sunday, January 29, 1969, to discuss 'where do we go from here;' as a group, as an organization, and as a positive force that would make a difference in the mathematical sciences community in the USA, and indeed, in the world. This force would be a clear and omnipresent voice for issues, ideas, perspectives, and for persons who did not enjoy such a voice in the past. This force would advocate inclusion and not exclusion. This force would 'sit around' the conference tables and the banquet tables of the mathematical sciences community, refusing to become isolated from the mainstream. This force would advocate conflict resolution and human/cultural problem—solving for the common good of the community of scholars. The ultimate mission and purpose of NAM would be clearly stated as follows:

- * **To promote excellence in the mathematical sciences; and**
- * **To promote the mathematical development of under-represented American minorities.**

The seventeen (17) who met in New Orleans; January 26, 1969 (listed alphabetically) are as follows:

1. James A. Donaldson, University of Illinois/Chicago
2. Samuel Douglas, Grambling College
3. Henry Eldridge, Fayetteville State College
4. Thyrsa Frazier, Central State University
5. Richard Griego, University of Mexico/Albuquerque
6. Johnny L. Houston, Cuyahoga Community College
7. Curtis Jefferson, Baylor University
8. Vivienne Mayes, Baylor University
9. Theodore Portis, Alabama State University
10. Argelia Rodriguez, Bishop College
11. Charles Smith, Paine College
12. Robert Smith, Pennsylvania State University
13. Beauregard Stubblefield, Texas Southern University
14. Henry Taggart, Jarvis Christian College
15. Walter Talbot, Morgan State College
16. Harriet Walton, Morehouse College
17. Scott Williams, Lehigh University

Several records of the Association quoted a few of the things that they said. But more importantly, it was a meeting that ignited a flame that has continued to glow for three (3) decades which was indeed the inception of NAM. The seventeen (17) persons themselves were not so special or important but what was special and important was that these persons were of one accord and they represented, in an unselfish way, the views and perspectives of hundreds, even thousands. Moreover, they became committed to



helping to influence a new era in the mathematical sciences in the USA. They developed the resolve that silence and exclusion would no longer be the order of the day. Instead, all who desired to learn mathematics, and/or contribute to the community of scholars in the mathematical sciences would be both encouraged and assisted in doing so. The group raised the questions:

**If not we as spokes persons, then who?
If not now to begin change, then when?**

Their resolve was that from this day forward, under-represented American mathematical professionals of color would embrace the

**Kwanzaa Principle of Kujichagulia
(Self-Determination)**

And so began the first era of NAM..."

Introducing the New NAM Board

The **President** is **Edray Goins**, an Associate Professor in the Department of Mathematics at Purdue University. The product of the Los Angeles Unified public school system, he attended the California Institute of Technology, where he majored in mathematics and physics, and earned



Edray Goins
President

his doctorate in mathematics from Stanford University. He works in the field of number theory, as it pertains to the intersection of representation theory and algebraic geometry. He has been involved with various NAM activities over the past 15 years. In 2000, he spoke in the Granville-Brown-Haynes Session of Presentations by Recent Doctoral Recipients in the Mathematical Sciences at the Joint Meetings of the AMS in Washington, DC; in 2006,

he gave the Bharucha-Reid Lecture at NAM's Faculty Conference on Research and Teaching at Albany State University; in 2009, he gave the David Blackwell Lecture at the MAA MathFest in Portland, OR; and in 2011, he gave the Claytor-Woodard Lecture at the Joint Mathematics Meetings in New Orleans LA. From 2010-2012, he had the pleasure of serving on the assisting NAM Newsletter's Editorial Board.

The **Vice-President** and **Editor** is Talitha Washington, an Associate Professor in the Department of Mathematics at Howard University. She is the former Editor of NAM, from 2010 to 2012. She has been an Assistant Professor of Mathematics at the University of Evansville and The College of New Rochelle, and a VIGRE Research



Talitha Washington
Vice President
and Editor

Associate in the Department of Mathematics at Duke University. She earned her master's and doctoral degrees in mathematics from the University of Connecticut, and completed her undergraduate studies in mathematics at Spelman College. She serves on the Executive Committee of the Association for Women in Mathematics (AWM) and the Board of Advisors for the National Institute

for Mathematics and Biological Synthesis (NIMBioS). Her fields of interest include applying ordinary and partial differential equations to problems in biology and engineering. She also enjoys developing nonstandard finite difference schemes with Ronald Mickens of Clark Atlanta University. In her spare time, she enjoys coaching youth soccer and basketball.

The **Executive Director** is **Leon Woodson**, Associate Professor in the Department of Mathematics at Morgan State University. He is a native of Baltimore and completed his undergraduate studies in mathematics at Morgan State University. He then went on to earn his master's and doctoral degrees from Howard University. In 2000, he became NAM's Executive Secretary, replacing Johnny Houston of Elizabeth City State University. He has organized a number of MATHFest conferences for undergraduates as well as coordinated the day to day activities of NAM. This summer, he will lead the Summer Program in Research and Learning (SPIRAL) to be held at Morgan State. His research interest includes Riordan groups and generating functions.



Leon Woodson
Executive Director

The **Secretary/Treasurer** is **Roselyn Williams**, an Associate Professor in the Department of Mathematics at Florida A&M University. A native of Tallahassee, Florida, she left to attend Spelman College in Atlanta, Georgia to major in mathematics. She continued on to graduate school at the University of Florida where she received her master's degree. She then began her teaching career at Florida A&M University as an instructor for five years. She returned to graduate school and received the PhD degree from Florida State University in 1988 while already serving as an assistant professor of mathematics at Randolph-Macon Women's College. After graduation, she returned to Florida A&M University as an associate professor of mathematics. From 1997 to 2005 she served as the chairperson of the Department of Mathematics. One of Williams' goals is to provide support for and encouragement to diverse groups of students who pursue advanced degrees as well as careers in the mathematical sciences. Her main research area is Hopf algebras.



Roselyn Williams
Secretary/Treasurer

The **Region A Member** is **Tuwaner Hudson Lamar**, an Assistant Professor in the Department of Mathematics at Morehouse College. A native of Florida, she completed her undergraduate education at Florida State University. In 1990, she earned a master's degree in mathematics from the Georgia Institute of Technology and received a master's degree. In 1997, she earned a PhD in mathematics from



Tuwaner Lamar
Region A Member



Auburn University. Her research area is analysis of boundary value problems. After graduating, Lamar was hired by Scientific-Atlanta, now Cisco Systems, where she was employed and held various positions in software engineering for nearly ten years. Currently, she serves on numerous committees, but has been most instrumental in outreach programs. She started the Math Competitions Bootcamp at Morehouse where students in grades 5 through 12 are invited to the campus for a workshop providing information on various competitions in the city of Atlanta, state of Georgia, and Southeast Region. In her spare time, she enjoys spending time with family, listening to music, playing the flute, and reading.



Shea Burns
Region B Member

The **Region B Member** is **Shea Burns**, an Associate Professor and Associate Chairperson in the Department of Mathematics at North Carolina A&T State University. She is a native of Washington, DC. Burns has a BS in Mathematics from North Carolina A&T State University, and an MS and PhD in Mathematics from Howard University. Her mathematical interests include topological semigroups and mathematics education.

The **Region C Member** is **Jacqueline Brannon Giles**, a Professor in the Mathematics Department at Houston Community College System and a Mathematics Adjunct Professor at Texas Southern University.



Jacqueline Giles
Region C Member

Johnny Houston and Dr. Jack Alexander were instrumental in creating an opportunity for Prof. Giles to become a board member of the National Association of Mathematicians. She was elected to the board as the first two-year college professor to serve on the board that was primarily comprised of African-American research mathematicians. She has served as a presenter and the official photographer for NAM, with many of her photos used in publications, newsletters and on a historical website called "Mathematicians of the African Diaspora."

In 1984, she was selected by officials in the Houston Independent School District, Davis High School, to become the first mathematics teacher to teach statistics on two-way television at Region IV Education Service Center. She also served on the Board of Governors of the Mathematical Association of America. She succeeded Prof. Raymond Johnson as the Governor at large, Minority Affairs. She is currently a member of the MAA FOCUS magazine's Editorial Board.



Robin Wilson
Majority
Institution Member

The **Majority Institution Member** is **Robin Wilson**, an Associate Professor in the Department of Mathematics at California State University at Pomona. Robin Wilson earned his undergraduate degree from the University of California, Berkeley, his master's degree

from Howard University, and his doctoral degree from the University of California, Davis. His research interests are in the areas of low-dimensional topology and knot theory, as well as mathematics education.

The **Outside of Academia Member** is **Felicia Hardnett**, a Mathematical Statistician at the Center for Disease Control (CDC). She graduated from Spelman College with a Bachelor's degree in Biology and attended graduate school at the Emory University School of Public Health where she received a master's degree in Biostatistics in 1996. After working as a statistician at both the Office on Smoking and Health and later the Foodborne and Diarrheal Diseases Branch, she accepted an appointment with the Quantitative Sciences and Data Management Branch in the Division for HIV/AIDS Prevention in August 2003. Hardnett has performed analyses on several projects in both HIV/AIDS case surveillance and prevention research. Currently, she is the lead investigator on developing a statistical model to investigate the differential impact of various modes of HIV disease transmission in US women. She is also the lead statistician for the Kisumu Incidence Cohort Study (KiCOs) in Kisumu, Kenya.



Felicia Hardnett
Outside of
Academia

The **Community College Member** is **Jamylle Carter**, a Professor in the Mathematics Department at Diablo Valley College. She has held postdoctoral positions in mathematics at the Institute for Mathematics and its Applications at the University of Minnesota, Twin Cities; the Mathematical Sciences Research Institute in Berkeley, California; and the Exploratorium, a hands-on museum of science, art, and human perception in San Francisco, California.



Jamylle Carter
Community
College Member

On her Exploratorium fellowship, she developed and implemented the Oakland Math Circle, an after-school mathematics enrichment program that used hands-on activities and community partnerships to make advanced mathematics accessible and enjoyable for African American middle school students. She also taught mathematics for four years at San Francisco State University. After completing her undergraduate studies in mathematics at Harvard University, Carter became the first African American woman to earn a doctor of philosophy degree in mathematics from the University of California, Los Angeles. Her dissertation explored optimization methods in applied mathematics for image processing; she is currently interested in mathematics education.

Springing Forward Together

We move forward with utter reverence for those who have paved the way. So please, become actively engaged by serving on committees, giving talks, or simply attending NAM events so that we can grow NAM together.

Aderemi Kuku Elected as Fourth President of AAS

Reprinted from the "Science*Policy*Africa" Newsletter, Volume 18, Number 2

Professor Aderemi Oluyomi Kuku has been elected the fourth president of the African Academy of Sciences. He was elected on the eve of the 9th General Assembly of AAS held in Brazzaville, Congo, 14-17 April, 2014.

Professor Aderemi Kuku was born in Ijebu-Ode, Ogun State, Nigeria, on March 20, 1941. He obtained his BSc (Special Honours) Mathematics degree from the University of London in 1965; MSc (Mathematics) in 1968, PhD (Mathematics) 1971; both from the University of Ibadan, Nigeria with his PhD thesis written at Columbia University, New York, USA, under Professor Hyman Bass.

He had a long teaching/research career at the University of Ibadan, Nigeria where he became full Professor of Mathematics in 1982; Head, Mathematics Department, 1983-86; Dean, Postgraduate school, 1986-90; and Chairman, Committee of Deans of Postgraduate Schools in Nigerian Universities, 1986-90. He was Professor of mathematics at the International Centre for Theoretical Physics, (ICTP) (a United Nations Research Centre for Mathematics and physics) 1995-2003 and a William.

W. S. Claytor Endowed Professor of Mathematics at the Grambling State University, Grambling Louisiana, USA. He has held many visiting positions at highly reputable Universities and Research Centres in the USA, Canada, Europe, Hong Kong, China, including: Member, Institute for Advanced Study, Princeton, NJ, USA; Visiting Research Professor, Mathematical Sciences Research Institute (MSRI), Berkeley, CA, USA); Visiting Professor, Cornell University; Ohio State University; Queen's University, Ontario, Canada; Universitat Bielefeld and Max-Planck Institut für Mathematik, Bonn, both in Germany; University of Goteborg, Sweden; Institut des Hautes Etudes Scientifiques (IHES) Paris, France; University of Hong-Kong; Institute of Mathematics, Chinese Academy of Sciences, Beijing, China. He has given numerous invited colloquia/seminar lectures and organized numerous conferences/workshops/symposia all over the world.

Professor Kuku is one of the world leaders in several aspects of K-theory and connections to commutative and

non-commutative Algebra/Number theory/Geometry/Representation theory - a contemporary and multi-disciplinary subject that also have applications in mathematical physics, Dynamical systems, Econometrics and Control theory. He has 85 publications made up of 52 research articles in highly reputable journals; 10 books/monographs and 23 articles on topical issues in mathematics, science, and technology.

Professor Kuku was President of the African Mathematical Union (AMU) for nine years (1986-95), Member of the International Mathematical Union Commission on Development and Exchange for eight years (1986-94), Vice Chairman of the First Congress of African Scientists, Brazzaville (1987) and many more.

Professor Kuku is a recipient of several honors. He is a Fellow of the American Mathematical Society, Fellow of The World Academy of Sciences (TWAS), European Academy of Arts, Science and Humanities, African Academy of Sciences (AAS), Nigerian Academy of sciences, Foreign fellow, Mongolian Academy of Sciences, Honorary President (AMU) for life, Fellow of the Mathematical association of Nigeria, (MAN), Nigeria National Honours: OON (Officer of the Order of the Niger), and NNOM (Nigerian National Order of Merit) which is the highest honour in Nigeria for academic excellence). An International conference on "Algebraic K-theory and its applications" held March 17-21 2011, was organised by Nanjing University, China in honour of his 70th birthday. A special issue of the Journal of K-theory, Volume 12, Number 1, published by the Cambridge University Press, UK recently appeared as Proceedings of the conference. For more information, see: www.aasciences.org

Aderemi Kuku is a Life Member of NAM. He can be reached at president@aasciences.org.



Aderemi Kuku

First-Of-Its-Kind National Math Festival

Experience math like never before when the National Math Festival comes to several Smithsonian museums in downtown Washington, DC on Saturday, April 18 from 10 am to 4 pm. This free and public celebration will feature more than 40 interactive events for all ages. Here are some speakers who will be presenting at Smithsonian's Ripley Center.

Kimberly Bryant, Founder of Black Girls CODE

- *Black Girls CODE*, 10-10:45 am and 12-12:45 pm

Arlie Petters, Duke University

- *Cosmic Shadows and the Fifth Dimension*, 10-10:45 am and 2-2:45 pm

Mariel Vazquez

- *Knots and DNA*, 12-12:45 pm and 3-3:45 pm

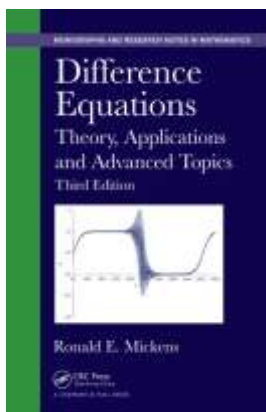
Richard Tapia, Rice University

- *Math at Top Speed*, 10-10:45 am
- *Using Math to Construct a Psychedelic Video of My 1970 Chevelle Show Car*, 12-12:45 pm
- *The Fair Lane Assignment Problem in BMX Bicycle Racing*, 3-3:45 pm

The National Math Festival is organized by the Mathematical Sciences Research Institute (MSRI) and the Institute for Advanced Study (IAS) in cooperation with the Smithsonian Institution. For more information and a complete schedule visit www.mathfest.org and follow @mathmoves on Twitter.



Mickens' Difference Equations are Out Again



In March of 2015, Ronald E. Mickens published the book entitled "Difference Equations: Theory, Applications and Advanced Topics, Third Edition". The book provides an introduction to the mathematics of difference equations as well as their applications. Many worked examples illustrate how to calculate both exact and approximate solutions to special classes of difference equations. Along with adding several advanced topics, this edition continues to cover general, linear, first-,

second-, and n-th order difference equations; nonlinear equations that may be reduced to linear equations; and partial difference equations. This edition includes new special topics such as discrete Cauchy-Euler equations; gamma, beta, and digamma functions; Euler polynomials,

functional equations, and exact discretization of differential equations. This textbook is suitable as the main text for a course on difference equations as well as for self-study.

For more information, see:

<http://www.crcpress.com/product/isbn/9781482230789>

Ronald E. Mickens is a Life Member of NAM and is the Distinguished Fuller E. Callaway Professor of Physics at Clark Atlanta University. His current research interests include nonlinear oscillations, difference equations, numerical integration of differential equations using nonstandard finite difference schemes, mathematical modeling of periodic diseases, and the history/sociology of African Americans in science. He can be reached at: rmickens@cau.edu.



Ronald Mickens

Launch the NExT State of Your Career

Project NExT (New Experiences in Teaching) is a year-long professional development program of the Mathematical Association of America for new or recent PhDs in the mathematical sciences. The program is designed to connect new faculty with master teachers and leaders in the mathematics community and address the three main aspects of an academic career: teaching, research, and service.

Recent program sessions have included:

- getting your research and grant-writing off to a good start;
- innovative teaching and assessment methods and why they work;
- finding your niche in the profession;
- attracting and retaining underrepresented students;
- starting and undergraduate research program;

- balancing teaching, research, and service demands; and
- preparing for tenure.



Project NExT Fellows join an active community of faculty who have gone on to become award-winning teachers, innovators on their campuses, active members of the MAA, and leaders in the profession.

Project NExT welcomes and encourages applications from new and recent PhDs in postdoctoral, tenure-track, and visiting positions. We particularly encourage applicants from under-represented groups (including women and minorities). Applications for the 2015 cohort of Project NExT Fellows are due on **April 15, 2015** and can be found at projectnext.maa.org.

Questions can be emailed to: projectnext@maa.org.

Talithia Williams to Receive MAA Alder Award

The Mathematical Association of America will honor Talithia Williams, associate professor of mathematics at Harvey Mudd College, to receive its 2015 Henry L. Alder Award for Distinguished Teaching by a Beginning Faculty Member. The award honors faculty members whose teaching is effective and extraordinary and extends its influence beyond the classroom. Recipients receive \$1,000 and a certificate of recognition.

Williams has spoken throughout the country about the value of statistics in quantifying personal health information. Her recent TED talk, "Own Your Body's Data," has garnered nearly one million views. She is also a Project NExT Fellow, Green-Class of '09.

Williams has also had substantial impact locally and nationally encouraging students from traditionally underrepresented groups to pursue education in science,

technology, engineering and mathematics (STEM). Locally, she runs an annual conference (Sacred SISTAHS) that teaches hundreds of young girls from minority communities about the benefits of studying STEM and how to successfully navigate that path. At the national level, she serves as treasurer for SACNAS (Society for Advancement of Chicanos and Native Americans in Science), is founding co-director of EDGE (Enhancing Diversity in Graduate Education) and serves the MAA as governor-at-large for minority interests.

The award will be presented to Williams at the MAA MathFest and centennial celebration, to be held August 5 through 8 in Washington, DC.



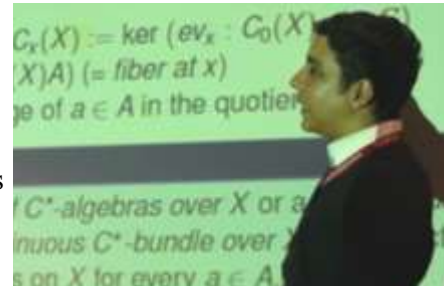
Talithia Williams



NAM at the 2015 Joint Mathematics Meetings



Granville-Brown-Haynes Session of Presentations by Recent Doctoral Recipients in the Mathematical Sciences presenters included Drs. Pamela Harris (left, United States Military Academy), winner of the Mathematical Biosciences Institute for outstanding talk, and Jose Lugo (right, College of Costal Georgia).



NAM Cox-Talbot Invited Address was given by Dr. Jacqueline Brannon Giles (center, Houston Community College). Drs. Edray Goins (left, Purdue University) and Duane Cooper (right, Morehouse College) presented her with NAM's Lifetime Achievement Award.

NAM Claytor-Woodard Lecture (right) was given by Dr. Talithia Williams (Harvey Mudd College). Her presentation was entitled "A Statistician's Guide to Becoming Your Body's Expert."



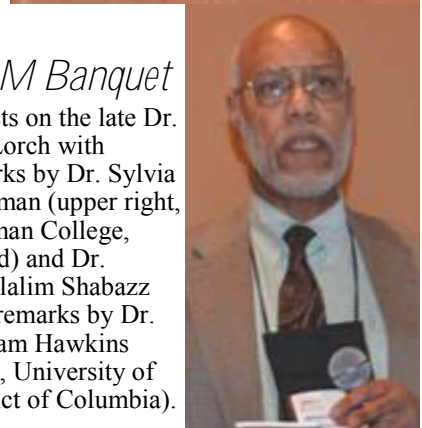
NAM Banquet facilitated mentoring, reflections, and connections.



MAA Undergraduate Poster Session included the following presenters from Morehouse College: Jeremy Ariche, Caleb Bugg Bugg, Curtis Clark Jr., Johnny Gillings, Arman Green, Jassiem Ifill, Talon Johnson, Dorian Kandi, and Aquia Richburg.



NAM Banquet reflects on the late Dr. Lee Lorch with remarks by Dr. Sylvia Bozeman (upper right, Spelman College, retired) and Dr. Abdulalim Shabazz with remarks by Dr. William Hawkins (right, University of District of Columbia).



NAM Calendar

The **Latinos in the Mathematical Sciences Conference** (LAT@MATH) will be held on **April 9-11, 2015** at the Institute for Pure and Applied Mathematics (IPAM) in Los Angeles, California. See: <http://www.ipam.ucla.edu/programs/special-events-and-conferences/latinos-in-the-mathematical-sciences-conference>

The **National Mathematics Festival** is a free and public celebration that will be held on **April 18** at various Smithsonian Museums in Washington, DC. See page 6 or: www.mathfest.org

The **Underrepresented Students in Topology and Algebra Research Symposium (USTARS)** will be held on **April 18-19, 2015** at Florida Gulf Coast University in Fort Meyers, Florida. See: www.ustars.org

Math SPIRAL 2015, an undergraduate research program, will be held **June 1-July 17** at Morgan State University in Baltimore, Maryland. Participation is limited to students at the affiliates. See: <http://www.spiralreu.org>

The **Mathematics of Planet Earth (MPE) 2013+** will host a workshop on the Management of Natural Resources on **June 4-6, 2015** at Howard University in Washington, DC. See: <http://dimacs.rutgers.edu/Workshops/NaturalResources>



CAARMS 21 (Conference for African American Researchers in Mathematical Sciences) will be held **June 24-27, 2015** at the Institute for Computational and Experimental Research in Mathematics (ICERM), Providence, Rhode Island. See: <http://www.caarms.net>

The **Society for Mathematical Biology Annual Meeting and Conference** will be held **June 30-July 3, 2015** in Atlanta, Georgia. See: <http://math.gsu.edu/~smb>

MAA MathFest 2015 will be held **August 5-8** in Washington, DC. The **NAM David Blackwell Lecture** will be given by Terrence Blackman (The University of

Conferences & Workshops

Denver), the **MAA Centennial Lecture 4** will be given by Carlos Castillo-Chavez (Arizona State University), and the **AWM-MAA Etta Z. Falconer Lecture** will be given by Erica Walker (Columbia University). There will be a special session entitled “Notes of a Native Son”: The Legacy of **Dr. Abdulim A. Shabazz** (1927-2014) with speakers Gelonia Dent (Medgar Evers College), Gwen Irby (Lockheed Martin), Monica Jackson (American University), Ronald Mickens (Clark Atlanta University), Brett Sims (Borough of Manhattan Community College), Shree Taylor (Delta Decisions of DC), Erica Walker (Teachers College, Columbia University), and Talitha Washington (Howard University). See: <http://www.maa.org/mathfest>



The **8th International Congress on Industrial and Applied Mathematics (ICIAM 2015)** will be held **August 10-14** in Beijing, China. There will be no 2015 SIAM Annual Meeting. Minneapolis, Minnesota. See: <http://www.siam.org/meetings/an15>



The **Black Doctoral Network Conference** will be held on **October 8-11, 2015** in downtown Atlanta, Georgia. See: www.blackphdnetwork.com



NAM MATHFest XXV will be held at Morgan State University on **October 29-31, 2015**. For more information, email Dr. Leon Woodson at leon.woodson@morgan.edu.



The Society for the Advancement of Hispanics/Chicanos and Native Americans in Science will host the **2015 SACNAS National Conference** on **October 29-31** at the Gaylord National Resort and Convention Center in Washington, DC. See: <http://sacnas.org/events/national-conf>



The **2015 Field of Dreams Conference** will be held **November 6-8, 2015** in Birmingham, Alabama. See: <http://www.mathalliance.org>

AWM Research Symposium 2015

The Association for Women in Mathematics (AWM) Research Symposium will be held at University of Maryland, College Park, April 11-12, 2015. The symposium will showcase the research of women in the mathematical professions. It will feature four plenary talks, special sessions on a broad range of research in pure and applied mathematics, and poster sessions for graduate students and recent PhDs.

Session speakers include Maytee Cruz-Apoite (University of Puerto Rico at Cayey), Raegan Higgins (Texas Tech University), Candice Price (United States Military Academy West Point), Evelyn Thomas (University of Maryland Baltimore County), Shari Wiley (University of Pennsylvania), Carmen Wright (Jackson State University), and Njat Ziyadi (Morgan State University). The banquet keynote address will be given by Dr. Shirley Malcom, head of Education and Human Re-

sources Programs at the American Association for the Advancement of Science (AAAS). She will present the AWM Presidential Award to the EDGE Program for their outstanding work in Enhancing Diversity in Graduate Education. EDGE was founded in 1998 by Sylvia Bozeman (Spelman College) and Rhonda Hughes. It is now being led by Ami Radunksaya (Pomona College) and Ulrica Wilson (Morehouse College).

For more information, see: www.awm-math.org



Shirley Malcom

From the Editor: NAM Newsletter 34.1 features an article about Shirley Malcom written by Sylvia Bozeman. See: <http://nam-newsletter.org/archives.html>



Job Openings



Additional job openings may be found on the *NAM Newsletter* webpage at:

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Applications are invited for **multiple Visiting Assistant Professor** positions for academic year 2015-2016, contingent upon available funding. The positions are open to applicants from all research areas in Mathematics. The teaching load is six courses per year. In addition to teaching, the applicants will be responsible for attending advanced seminars and working on research projects.

Applicants should log on to mathjobs.org to submit their curriculum vitae, including a list of publications and a minimum of 3 letters of recommendation. Evaluation of applications will begin March 15, 2015 and continue until

the positions are filled. University regulations and laws concerning confidentiality govern all letters of recommendation (see Academic Personnel Manual 160-http://www.ucop.edu/academicpersonnel/_files/apm/apm-160.pdf).

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Editor, Dr. Talitha M. Washington
Howard University
nam_newsletter@yahoo.com

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College of Arts and Sciences
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Washington, DC 20059

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Spring 2015