PRiME 2020 Final Presentations

Pomona Research Experience in Mathematics

Malike Conteh (Pomona College)
Nevin Etter (Washington and Lee University)
Jonalyn Fair (Southern University at Baton Rouge)
Ramoi Hammond (University of Connecticut)
Charles Hardnett (Vanderbilt University)
Jasmine James (Central Washington University)
Alexis Kelley (University of California at Merced)
Jayla Langford (Purdue University)

Edray Herber Goins, Amy Oden, Zakiya Jones

July 24, 2020







Pomona College

Outline of Talk

1. Updating the MAD Database
   - Some African American Mathematicians
   - MAD Pages: Old and New
   - Pomona Research in Mathematics Experience (PRiME)
   - Virtual Seminar Series
2. PRiME 2020 Student Presentations
   - Malike Conteh (Pomona College)
   - Nevin Etter (Washington and Lee University)
   - Jonalyn A. Fair (Southern University and A&M College)
   - Ramoi Hammond (University of Connecticut)
   - Charles Hardnett (Vanderbilt University)
   - Alexis Kelley (University of California at Merced)
   - Jayla Langford (Purdue University)
3. What's Happening Now?
   - National Association of Mathematicians, Inc.
   - Other Organizations and Conferences

How many African Americans earn PhDs in Math?

African American Math PhDs from 1969 to Present

The National Science Foundation (NSF) states:

- In 1968:

  There were 22,937 doctorates awarded in the United States across all disciplines, with 971 in mathematics and computer science. Just 9 of those went to African Americans mathematicians.

- In 2016:

  There were 3,957 doctorates granted in mathematics and computer science, but just 78 went to African American mathematicians.

While the percentage of blacks receiving doctorates in the mathematical sciences has doubled in the past 50 years – from 0.93% to 1.97% – this is a far cry from 12%, the percentage of blacks living in the United States.

`https://nsf.gov/statistics/nsf13327/pdf/nsf13327.pdf`

`https://www.nsf.gov/statistics/2018/nsf18304/datatables/tab22.htm`

Who are some of these African Americans who earned their PhDs in Mathematics?

First African Americans with PhDs in Mathematics



Elbert Frank Cox (1895 – 1969)
PhD from Cornell University in 1925
Math Dept Chair at Howard University from 1955-1961



Dudley Weldon Woodard (1881 – 1965)
PhD from the University of Pennsylvania in 1928
Established the M.S. in Math at Howard in 1929



William Waldron Schieffelin Claytor (1908 – 1967)
PhD from the University of Pennsylvania in 1933
First African American to publish mathematics research



Walter Richard Talbot (1909 – 1977)
PhD from the University of Pittsburg in 1935
Math Dept Chair at Morgan State from 1940–1963

First African American Women with PhDs in Mathematics



Martha Euphemia Lofton Haynes (1890 – 1980)
PhD from the Catholic University of America in 1943
E.L. Haynes Public Charter School in DC



Evelyn Boyd Granville (1924 –)
PhD from Yale University in 1949
Honored by the Nat'l Academy of Engineering, Sciences



Marjorie Lee Browne (1914 – 1979)
PhD from the University of Michigan in 1950
University of Michigan established a Colloquium

Research Done by African Americans



In 1972, **Floyd L. Williams** received his Ph.D. from Washington University, and works on problems in mathematical physics (especially Relativity, Black Holes, and Quantum Mechanics) using Lie Theory. He is one of the few African Americans who is a fellow of the American Mathematical Society.



In 1991, **Katherine Adebola Okikiolu** received her Ph.D. from the University of California at Los Angeles, and studies the frequencies exhibited by "drums with a 3-dimensional surface." She would become the first black to be awarded a Sloan Research Fellowship in 1997.



In 1991, **Arlie Oswald Petters** received his Ph.D. from the Massachusetts Institute of Technology, and works on Gravitational Lensing. He was the first recipient of the Blackwell-Tapia Prize in 2002.

Research Done by African Americans (continued)



In 1998, **Trachette Levon Jackson** received her Ph.D. from the University of Washington, and studies the mathematics of angiogenesis. She was selected as a fellow of the Association for Women in Mathematics in the inaugural class in 2017.



In 2006, **Jonathan Mboyo Esole** received his Ph.D. from the Lorentz Institute at Leiden University, and studies on string theory by considering families of elliptic curves. The Congolese mathematician was recently named a Next Einstein Fellow.



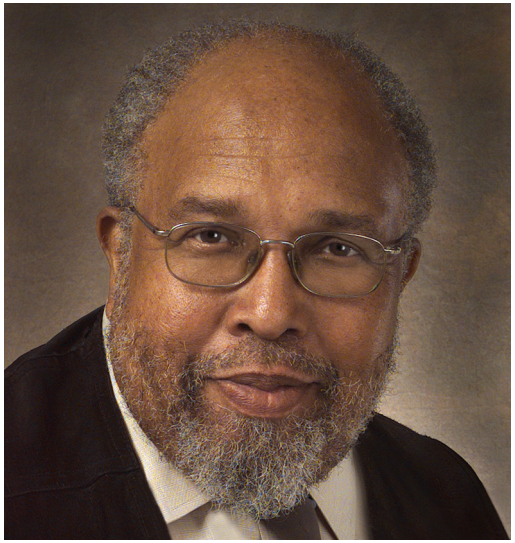
In 2011, **Chelsea Walton** received her Ph.D. from the University of Michigan, and studies noncommutative algebraic geometry. She recently won the Andre Lichnerowicz Prize in Poisson geometry, the first woman to do so.

Who is Keeping Track of Names and Stories?

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Mathematicians of the African Diaspora (MAD Pages)



Scott W. Williams

April 22, 1943 –

Mathematicians of the African Diaspora

NEW Frances Sullivan January 8,1944 - December 14, 2007

John A. Ewell February 28, 1928 - July 21, 2007

NEW ***CAARMS* 14:**

Conference for African American Researchers in the Mathematical Sciences July 22-27, 2008

CONTENTS

The Greatest Black Mathematicians		Profiles of 500 Black Mathematicians	
Black Research Mathematicians & their Books		BLACK WOMEN in Math Sciences	
A MODERN HISTORY of BLACKS IN MATHEMATICS		Today in Africa and outside US	
the ANCIENTS in Africa	AMUCHMA Online - History of Mathematics in Africa Newsletter		
Black and U.S. Minority and WORLD Organizations		Historically Black Departments Online Africa, Caribbean, & United States	
Black Mathematics Journals		50 SPECIAL ARTICLES posters & exhibitons	
Computer Scientists		Physicists & Astronomers	
NEW Ph.D.s	% Ph.D.s	Statistics	TIME LINE (U.S.)
JOB OPENINGS	Related LINKS	RECENT DEATHS	
MODERN References	ANCIENT References	SEARCH this website	CONTACT Dr. Williams
AIMS	Acknowledgements	AWARDS	

major revisions 6/9/97; 2/15/99, 12/3/00, 9/9/01

the Mathematicians of the African Diaspora website
was created by and is maintained by
Scott W. Williams, Professor of Mathematics

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`http://www.math.buffalo.edu/mad/`

Williams introduced the site in 1997. There are more than 1,000 pages featuring Biographies and Stories. He stopped updating them in 2008.

Updated MAD Pages



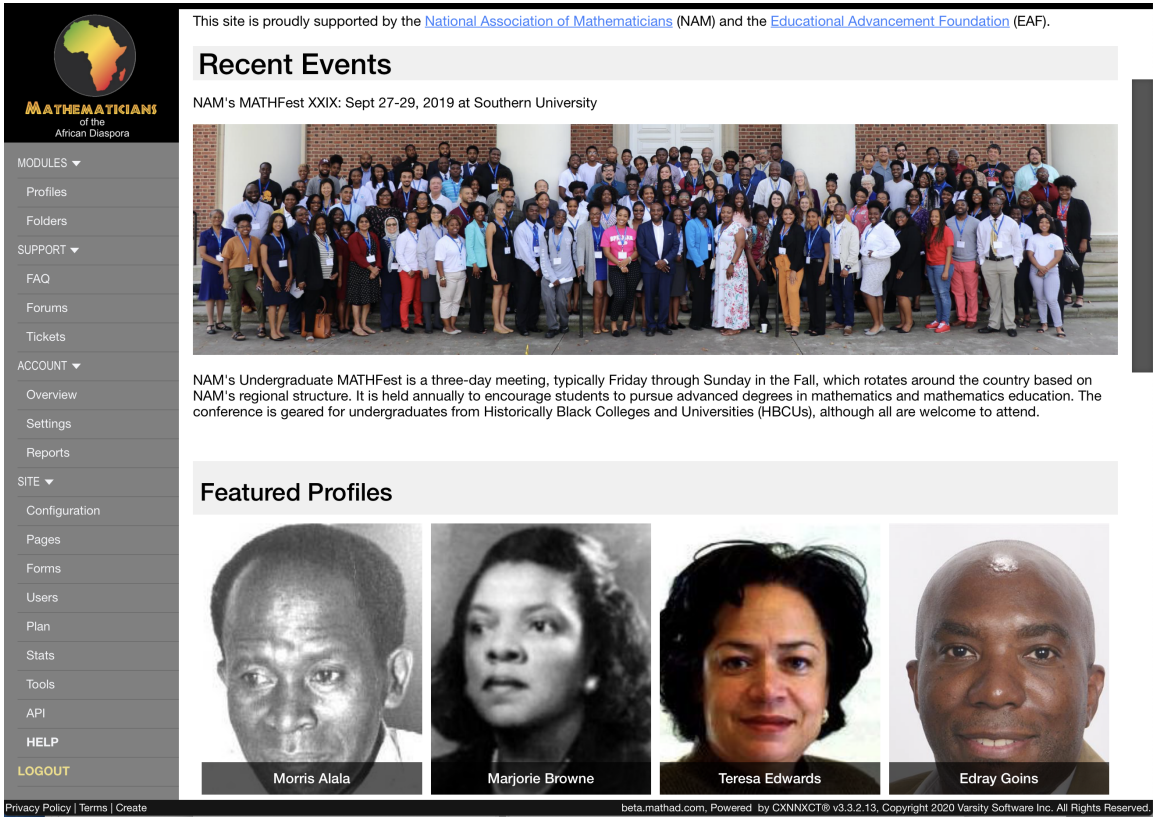
Don King



Asamoah Nkwanta



John Weaver



`http://beta.mathad.com`

Goins, King, Nkwanta, and Weaver have been working since 2010 to update the Pages. There are 712 names in the MAD Pages Database.

Pomona Research in Mathematics Experience (PRiME)

PRiME, an NSF-funded REU, ran from Monday, June 15 - Friday, July 24. We received 100 applications, but had 8 undergraduates participate.

Goals

1. Work on a database which will provide information about African Americans in the mathematical sciences.

   There are 712 names in the database. Students will add (1) a photo, (2) employment information, and (3) contact information including an e-mail address and web site. We updated all but 70 names.

2. Write biographies of Black mathematicians.

   Some names have old information from the original MAD Pages, while others have no information at all. We updated 54 biographies.

3. Attend biweekly colloquia to take place on Tuesdays and Thursdays.

   There were 12 virtual seminars. All but two appear on YouTube.

`http://research.pomona.edu/prime`

PRiME 2020 Students and Staff

Staff

- Edray Herber Goins, Principal Investigator
- Amy Oden, Administrative Assistant
- Zakiya Jones, Research Asisstant

Students

- Malike Conteh (Pomona College)
- Nevin Etter (Washington and Lee University)
- Jonalyn Fair (Southern University and A&M College)
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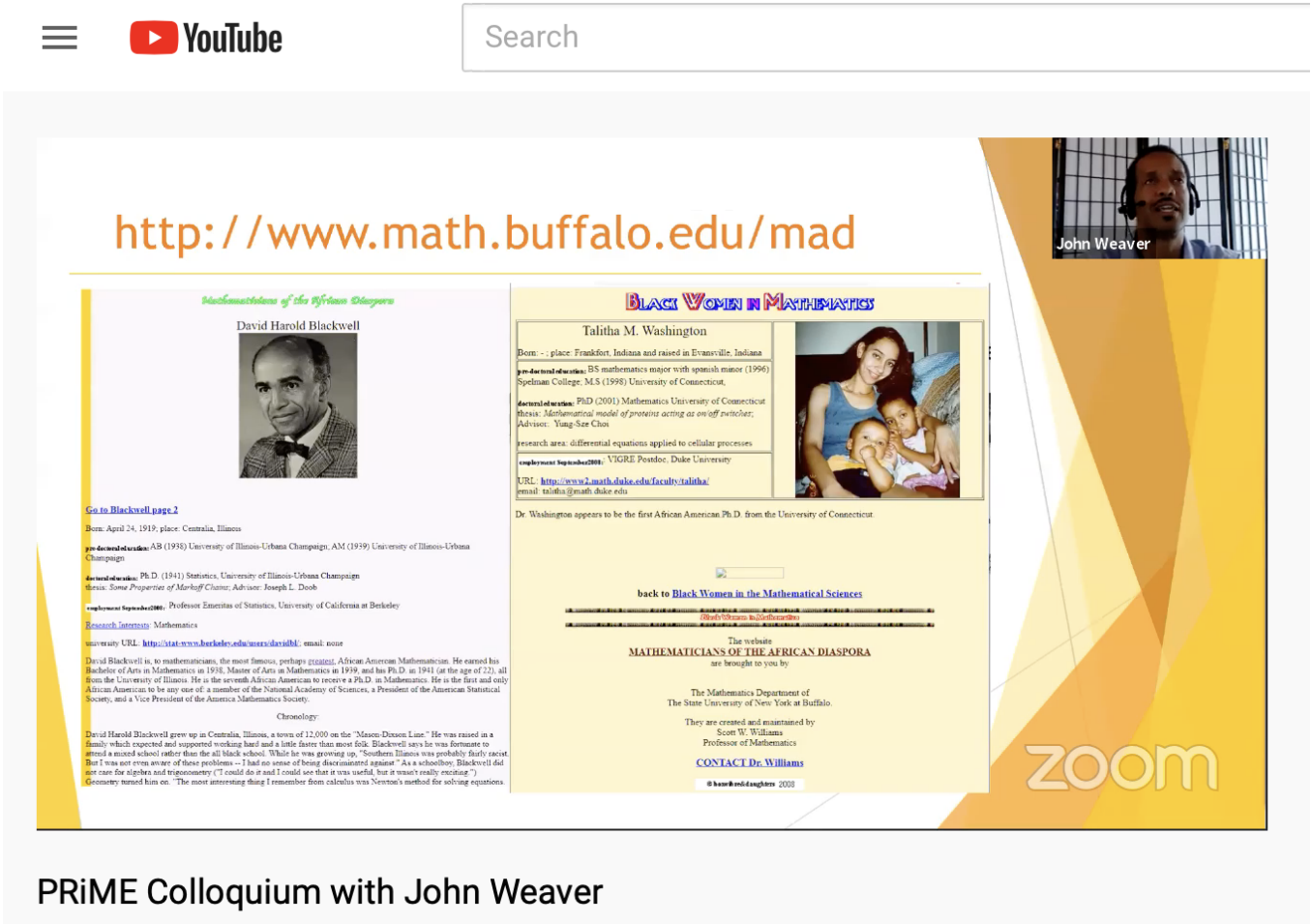
`http://research.pomona.edu/prime`

PRiME 2020 Virtual Seminars

- June 18: **John Weaver** (Varsity Software, Inc.)
  Building Scalable Databases — My Experience with the Mathematicians of the African Diaspora (MAD) Website
- June 23: **Asamoah Nkwanta** (Morgan State University)
  Historical Notes on Black Mathematicians: No! It is not the Empty Set
- June 25: **Sastry Pantula** (California State University, San Bernardino)
  A conversation about Professor Blackwell
- June 30: **Johnny Houston** (Elizabeth City State University)
  Twelve African American Pioneers and Mathematicians Who Inspired Me!
- July 2: **Talitha Washington** (Howard University)
  Indiana: The Genesis of Black PhD Mathematicians
- July 7: **Shelly Jones** (Central Connecticut State University)
  A Conversation about Dr. Gloria C. Hewitt: Her Life, Her Work and Why She was a Great Educator
- July 9: **Ronald Mickens** (Clark Atlanta University)
  "Al" and "J. Ernest": Friends and Colleagues
- July 14: **Talithia Williams** (Harvey Mudd College)
  Not So Hidden Figures: Unveiling Mathematical Talent
- July 16: **Ranthony A. C. Edmonds and John H. Johnson, Jr.** (Ohio State University)
  Connecting the Dots: Dorothy Vaughan and Community in the Hidden Figures Story
- July 20: **Erica N. Walker** (Columbia University)
  Stories from "Beyond Banneker: Black Mathematicians and the Paths to Excellence"
- July 21: **Erica Graham, Raegan Higgins, Candice Price, and Shelby Wilson** (Mathematically Gifted and Black)
  Mathematically Gifted and Black: Changing the face of mathematics
- July 23: **Colm Mulcahy** (Spelman College)
  TITLE TBA

`http://pages.pomona.edu/~ehga2017/prime/speakerseries.html`

John Weaver (Varsity Software, Inc.) talks about *Building Scalable Databases — My Experience with the Mathematicians of the African Diaspora (MAD) Website* on Thursday, June 18, 2020



https://youtu.be/MUqy1pjsm6k

Asamoah Nkwanta (Morgan State University) talks about *Historical Notes on Black Mathematicians: No! It is not the Empty Set* on Tuesday, June 23, 2020



https://youtu.be/ZLVQQg-sOEY

What are some stories we've learned?

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1. Updating the MAD Database

2. PRiME 2020 Student Presentations
   - Malike Conteh (Pomona College)
   - Nevin Etter (Washington and Lee University)
   - Jonalyn A. Fair (Southern University and A&M College)
   - Ramoi Hammond (University of Connecticut)
   - Charles Hardnett (Vanderbilt University)
   - Alexis Kelley (University of California at Merced)
   - Jayla Langford (Purdue University)

3. What's Happening Now?

Student Presentations

Name	Presenter	Student's Institution
Kenzu Abdella	Malike Conteh	Pomona College
Donald Ray Cole	Nevin Etter	Washington and Lee
Dolores Richard Spikes	Jonalyn A. Fair	Southern University
Nancy Glenn-Griesinge	Ramoi Hammond	University of Connecticut
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Kenzu Abdella

1964-

- Born in Addis Ababa, Ethiopia
- Born in Communist government
- Currently resides in Petersborough, Canada
- Practices Islam

Academic Background

- 1984:

  Received International Baccalaureate from United World College in Trieste, Italy

- 1987:

  Received Bachelors in Science for Mathematics and Physics at Trent University in Canada

- 1989:

  Received Masters in Applied Mathematics at University of Alberta

- 1993:

  Received PhD in Applied Mathematics in University of Alberta

  Thesis on *Shear flow instability and numerical simulation of droplets*, with his advisor being Henning Rasmussen

Experience within the field

- 1990-1991:

  Started as a research assistant for a Canadian space agency through the University of Western Ontario

- 1992-1993:

  Became a lecturer for the department of Applied Mathematics at University of Western Ontario

- 1994-1996:

  He studied as a postdoctoral fellow at the Canadian Center for Climate Modeling and Analysis in Victoria, British Columbia, Canada

- 1997-2000:

  He was an Assistant Professor at the Dept. of Mathematics at Trent University

- May 2002-Sept 2002:

  Was a Visiting Professor for the Department of Applied Mathematics at University of Waterloo

Experience within the field (Continued)

- Sept 2002-Aug 2003:

  Visiting Professor at the American University of Sharjah in United Arab Emirates

- 2003-2006:

  Director of the Application of Modeling Graduate Program from at Trent University

- 2006-2012:

  He taught as a professor in the Department of of Applied Mathematics at Trent University while deciding to become a Visiting Professor for the Math, Stats, and Physics Department at Qatar University in Doha, Qatar

- 2012-Present:

  He has been a professor, as well as the Department Chair for the Mathematics at Trent University

Distinctions and Awards

- Dean's honor list at Trent University
- Received a Doctoral dissertation Award on behalf of the Canadian Applied Mathematics Society (CAMS)
- (1996) He received the National Sciences and Engineering Research Council (NSERC) visiting fellowship
- Received the National Merit Award for Research and Training from Trent University in 2001

Personal Life/ Achievements

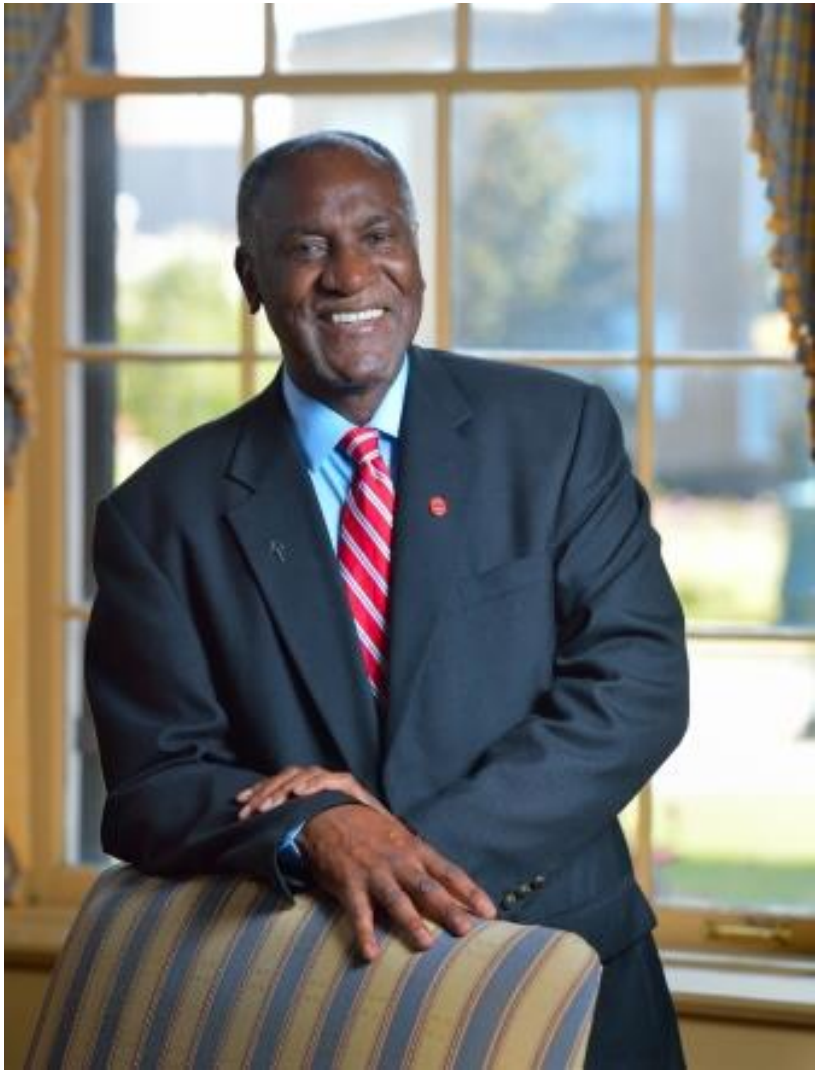
- He took care of the Muslim community in Petersburough when they needed them the most in 2003, when they were at their lowest, and in 2015, when their only community mosque burned down to the ground.

- He helped create mathematical products to help Qatar farmers predict events such as production/likely productions or severity of droughts, ultimately helping with food insecurity in Qatar.

- He was mentioned in Trent University's articles advocating about how math can help us predict climate change, as well as multiple international networks like AUS news, and awarded over 1.4 million in new research funding from Trent University in 2007

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Donald Ray Cole

1951 -

- Donald Ray Cole is a retired African American mathematician with research interests in Partial Differential Equations and Analysis
- Dr. Cole has worked in academia for the majority of his career and has been instrumental in creating a more inclusive and diverse community at the University of Mississippi and other universities in the south.

Undergraduate Studies and Civil Rights Movement

- Dr. Cole enrolled at the University of Mississippi in 1968.
- In 1970, Dr. Cole took part in a protest that demanded better treatment of African Americans on campus. This resulted in his expulsion from the University.
- After his expulsion, Dr. Cole transferred to Tougaloo College where he completed his bachelor's degree.

Graduate Studies and Returning to Ole Miss

- After a recommendation from his mentor, Dr. David Blackwell, Cole attended the University of Michigan where he completed his master's degree in mathematics.

- Cole then went to the State University of New York at Buffalo to pursue his doctorate, however, but he transferred back to the University of Mississippi to complete the degree.

- On the reason why he decided to return to the university that expelled him, Cole stated:

  I had left in disgrace, left with a jail certificate, and I had come here, not by myself, but come here representing so many others, and I suspect that I had feelings about letting so many other folk down, and maybe this gave me another shot at redeeming myself, and that's the nearest that I can answer.

Career and Retirement

- After completing his PhD, Dr. Cole moved to Fort Worth, Texas, to work in the aerospace industry.
- He returned to academia several years later when he accepted a position as an professor of mathematics at Florida Agricultural and Mechanical University.
- In 1993, Dr. Cole returned to the University of Mississippi where he orchestrated many policy changes to better improve the inclusion of all students on campus.
- He remained at Ole Miss until his retirement in 2019.

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Dolores Margaret Richard Spikes

August 24, 1936 - June 1, 2015

- First African American to earn a Ph.D. in Mathematics from Louisiana State University
- First Woman to head a university system in the United States (Southern University System)
- First Female to lead a public, land-grant institution in the State of Louisiana (Southern University at Baton Rouge and New Orleans)

Upbringing and Early Career





Education to Administration





Making History





Impactful Journey





Legacy





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Dr. Nancy Glenn-Griesinger

January 26, 1965 -

- She is an African-American Mathematician and Statistician.
- She is the first African-American to receive a PhD in Statistics at Rice University.
- Founded a tutoring a Statistical Company for youths within the Mathematical Sciences.

Early Life and Education

- Dr. Glenn-Griesinger was born in Charleston, South Carolina on January 26, 1965.
- She received her Bachelor of Science in Mathematics from the University of South Carolina in 1987.
- She received a second Bachelor of Science degree in Statistics in 1995 at the same institution.
- Received her Doctor of Philosophy in Statistics in May 2002 from Rice University. She was the first African-American to do so.
- Her Doctoral Dissertation was on "Robust Empirical Likelihood." (Her Advisor for her program was Professor David W. Scott.)

Post-Academic Engagement

- In 1995, she founded a Math, Tutoring, College Advisory and Statistical Company named Mobile Math LLC.
- In May 2002, after graduation, Dr. Glenn worked as a Postdoctoral Associate in the Department of Statistics at Rice University.
- It was funded by the National Security Agency and spanned for 3 months. (May 2002 - August 2002).
- In 2008, Dr. Glenn served as the Lead Investigator on a research grant from the National Institutes of Health.
- Dr. Glenn after which had served as the Co-Investigator of a research project funded by NASA Johnson Space Center, from June - August 2013.

Teaching Experience

- From 1990-1992, Dr. Glenn was employed as an Instructor of College Algebra at Southwestern College (San Diego, California).
- She served as an Instructor of College Algebra at Midlands Technical College (Columbia, SC) in Fall 1995.
- From 1996-2000, during her graduate studies, Dr. Glenn-Griesinger served as a Graduate Lab Assistant for Introductory Statistics at Rice University in Houston, Texas.
- After completing her studies, Dr. Glenn became an Assistant Professor of Statistics at the University of South Carolina at Columbia, SC.
- In 2007, she left her previous position to accept a position as an Assistant Professor of Mathematics at Texas Southern University in Houston, Texas.

Accolades/Memberships

- During her Undergraduate studies, Dr. Glenn was awarded a full academic scholarship. (James F. Byrnes, Air Force ROTC Scholarship).
- Dr. Glenn was also inducted into the nationally-renowned, Pi Mu Epsilon National Mathematics Honor Society.
- She was also, during her second Bachelors degree, inducted into the Mu Sigma Rho National Statistics Honor Society.
- Dr. Glenn-Griesinger had received a full academic fellowship at Rice University to pursue her Doctorate in Statistics.
- She graduated from her Doctorate Program at the top of her entire class.
- Dr. Glenn-Griesinger has been well established in the research of her discipline, having been awarded a total of 8 different Research grants to date.

Personal Life/Interest



- Dr. Glenn has a passion for teaching the youth of tomorrow.
- Her favorite color is black and she enjoys the Holiday season. (Christmas)
- Presently, she is still employed at Texas Southern University.

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Joseph Alphonso Pierce

August 10, 1902
- September 18, 1969

- One of the first African-Americans to receive their PhD in Mathematics
- Bachelor's Degree (1925):

  Atlanta University (now Clark Atlanta University)
- Master's Degree (1930):

  Atlanta University
- PhD (1938):

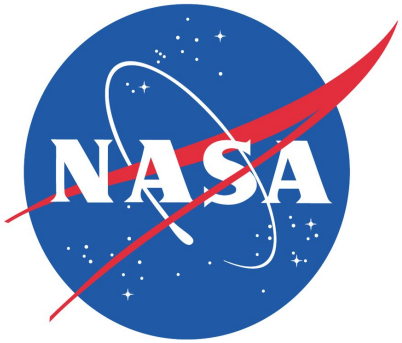
  University of Michigan

Educational Pursuits

- Doctoral Thesis: "A Study of a Universe of n Finite Populations with Application to Moment-Function Adjustments for Grouped Data"
- Taught at a number of institutions including Texas College, Booker T. Washington High School in Atlanta, Wiley College, and Texas State College (now Texas Southern University) where he became the President (1967)
- Involved with a large study of black businesses from 1944-1946, the findings of which were published in his book "Negro Business and Business Education" (1947)
- Foresaw the need for cooperation between educational and business communities among black people in an effort to create jobs and wealth in the black community
- Research led to the establishment of the graduate School of Business Administration at Atlanta University

Industrial Pursuits

- Served as a liason between TSU and NASA's Manned Spacecraft Center (1963)
- Instrumental in the integration of NASA through affirmative action
- Served as a consultant for NASA in the couple of years leading up to his death in 1969



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Shelby Wilson

- Completed her B.S. in Applied Mathematics and Computer Science from Spelman College (2006)
- Completed Ph.D. in Applied Mathematics from the University of Maryland at College Park (2012)

  "Mathematical Models of Immune Regulation and Cancer Vaccines"

Career Timeline

- 2004: NASA Marshall Flight Center

  Created web database interfaces that aided in the management NASA's Integrated Financial Management Program.

- 2004: NASA Dryden Flight Center

  Managed missions and planned NASA's DC-8 aircraft on the Intercontinental Chemical Transport Experiment

- 2012-2013: Postdoctoral Research Associate at INRIA Gernoble

  "The Stochastic Approximation of Expectation Maximization Yields Individualized Predictions for Optimal Combined Cancer Treatment"

- 2014-2019: Assistant Professor of Mathematics at Morehouse College

- 2019: Associate Professor of Mathematics at Morehouse College

- 2019: Assistant Professor of Biology at University of Maryland, College Park

Research Interests

- Mathematical problems with applications in Neuroscience, Oncology, and Evolutionary Biology.

- Uses parameter estimation, machine learning, dynamical systems and network theory to create models of biological phenomenon in her current projects:

  - *Ectoparasites:* Link between parasitism and sociality (survival response of environmental responses) in animals

  - *Sleep Dynamics:* Determining the relationship between ambient temperature and human sleep patterns.

  - *Cancer:* Optimization of combined cancer treatments

Leadership

She serves as a committee member for various organizations to increase the number of black women in STEM

- Co-organizer Network of Mathematicians of Color Workshop
- AWM Humphreys Award Committee Member
- Future Leaders in interdisciplinary Cancer Research (FLiiCR) Summer Program Co-organizer
- University of Maryland MAPS REU Project Co-Leader
- Howard Engineering GEAR UP Project External Advisory Committee Member
- SIAM Diversity Advisory Committee Member

Mentorship

Inspired by the film *Hidden Figures*, she alongside Erica Graham, Raegan Higgins, and Candice Price, created the *Mathematically Gifted and Black Website* to highlight the contributions made by African American Mathematicians



For more information, check out her personal website
`http://www.shelby-wilson.com/index.html`

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Etta Zuber Falconer

November 21, 1933
- September 19, 2002

- B.A in Mathematics with a minor in Chemistry from Fisk University (1953)
- M.S. in Mathematics at the University of Wisconsin (1954)
- Ph.D. in Mathematics at Emory University (1969)

Teaching Career

- 1954-1963

  Okolona Junior College in Okolona, MS

- 1963-1964

  Howard High School in Chattanooga, TN

- 1965-1971

  Spelman College in Atlanta, GA

- 1971-1972

  Norfolk State University in Norfolk, VA

- 1972-1991

  Spelman College in Atlanta, GA

Accomplishments

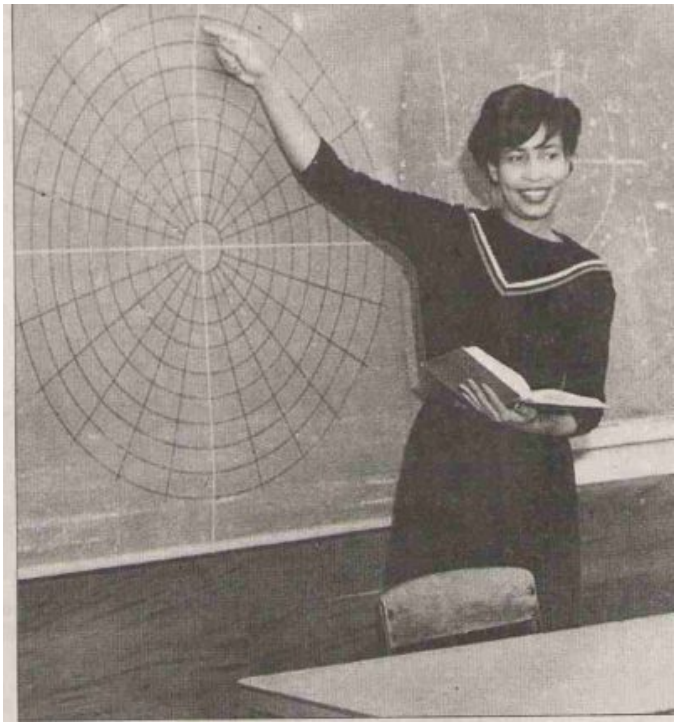
Her several honors, awards and recognitions include:

- NSF Faculty Fellow
- UNCF Distinguished Faculty Award
- Spelman's Presidential Award for Excellence in Teaching
- Spelman's Presidential Faculty Award for Distinguished Service
- NAM's Distinguished Service Award
- AWM's Louis Hay Award for contributions to Mathematics Education

and many more . . .

Paying It Forward

- Dr. Lee Lorch, Dr. Evelyn Boyd Granville, and Dr. Trevor Evans were the mentors who had a tremendous impact on her professional life
- Dr. Falconer's mission in life was to impact hundreds of African American ladies in the STEM Field
- Founded the NASA Women in Science Program
- Founded the National Association of Mathematicians



High expectations, the building of self-confidence, and the creation of a nurturing environment have been essential components for the success of these students. Perhaps the most rewarding moments have come when younger faculty have undertaken the same goal and have surpassed my efforts - reaching out to the broader community to help minorities and women achieve in mathematics.

Outline of Talk

1. Updating the MAD Database
2. PRiME 2020 Student Presentations
3. What's Happening Now?
   - National Association of Mathematicians, Inc.
   - Other Organizations and Conferences

What is being done to increase participation?

1969 Joint Mathematics Meetings

On Sunday January 26, 1969, several underrepresented minorities met to discuss how they could advocate for inclusion, and no longer let minorities be excluded from the mathematical community.

1. James Ashley Donaldson (University of Illinois at Chicago)
2. Samuel Douglas (Grambling College)
3. Henry Madison Eldridge (Fayetteville State College)
4. Thyrsa Anne Frazier Svager (Central State University)
5. Richard J. Griego (University of New Mexico at Albuquerque)
6. Johnny L. Houston (Stillman College)
7. Curtis Jefferson (Cuyahoga Community College)
8. Vivienne Lucille Malone-Mayes (Baylor University)
9. Theodore Portis (Alabama State University)
10. Arbeligic Rodriquez (Bishop College)
11. Charles Smith (Paine College)
12. Robert S. Smith (Pennsylvania State University)
13. Beauregard Stubblefield (Texas Southern University)
14. Henry Taggert (Jarvis Christian College)
15. Walter Talbot (Morgan State College)
16. Harriett R. Junior Walton (Morehouse College)
17. Scott W. Williams (Lehigh University)

Eventually they formed the *National Association of Mathematicians*.

NAM's Signature Programs

Winter Event	**Joint Mathematics Meetings** • Haynes-Granville-Browne Session of Presentations by Recent Doctoral Recipients • Claytor-Woodard Lecture • NAM Panel Discussion • Cox-Talbot Lecture • NAM Lifetime Achievement Award • NSF-Funded Math Institutes Presentation Awards • Clarence Stephens / Abdulalim Shabazz Teaching Award
Spring Event	**Regional Faculty Conference on Research and Teaching Excellence (FCRTE)** • Albert Turner Bharucha-Reid Lecture
Early Summer Event	**Computational Science Institute (CSI)**
Late Summer Event	**MAA MathFest** • MAA-NAM David Harold Blackwell Lecture
Fall Event	**NAM Undergraduate MATHFest** • J. Ernest Wilkins Lecture







NAM Events at the Joint Mathematics Meetings

January 16-19, 2019 in Baltimore, MD

https://www.nam-math.org/jmm-events.html#2019







Regional Faculty Conference on Research and Teaching Excellence

April 26-27, 2019 at Texas Southern University

`https://www.nam-math.org/fcrte.html#2019`







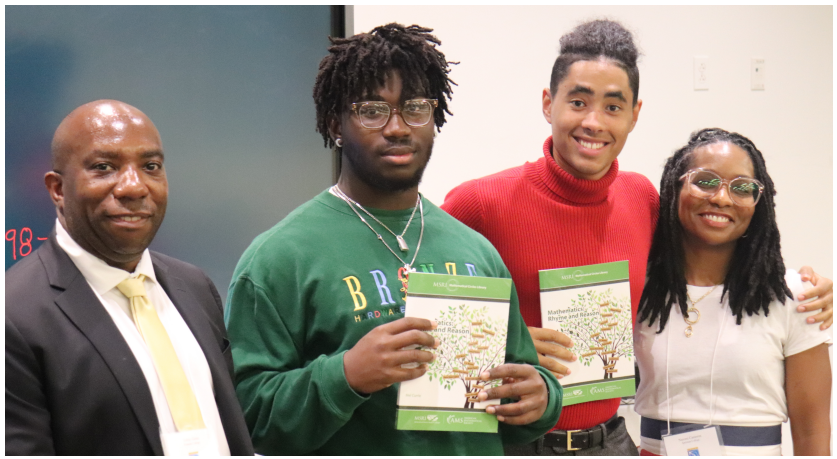
MAA-NAM David Harold Blackwell Lecture

August 2, 2019 in Cincinnati, OH

https://www.nam-math.org/blackwell-lecture.html







NAM Undergraduate MATHFest XXIX

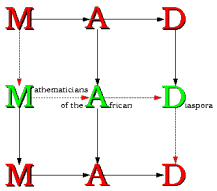
September 27-29, 2019 at Southern University of New Orleans

https://www.nam-math.org/mathfest.html#XXIX

Activities to Increase Black Participation in Math



Conf for Af-Amer Researchers in the Math Sci (CAARMS)
Started in 1994 by Raymond Johnson, Bill Massey, James Turner
`http://www.caarms.net`



Mathematicians of the African Diaspora (MAD Pages)
Started in 1997 by Scott Williams
`http://www.math.buffalo.edu/mad/`



Enhancing Diversity in Graduate Education (EDGE)
Started in 1998 by Sylvia Bozeman and Rhonda Hughes
`https://www.edgeforwomen.org`



Infinite Possibilities Conference (IPC)
Started in 2005 by Leona Harris, Tanya Moore, Nagambal Shah
`http://www.ipcmath.org`



Mathematically Gifted and Black
Started in 2017 by Erica Graham, Raegan Higgins, Candice Price, Shelby Wilson / `http://mathematicallygiftedandblack.com`

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- John Weaver

Look out for the new MAD Pages in October 2020!

`http://beta.mathad.com`

Thank You!









http://research.pomona.edu/prime