National Association of Mathematicians

Newsletter

Volume LII   **Number 4**   **Winter 2021**

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The National Association of Mathematicians (NAM)

publishes the NAM Newsletter four times per year.

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.
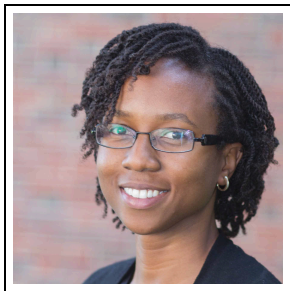
From the Editor

Hello friends,

In this, the first NAM newsletter of 2022, it feels appropriate to mark the passage of time and the changing of the seasons. Some of our young folk have just gotten into graduate school, or found academic jobs. Some of our most distinguished mathematicians have passed away, marked in the Newsletter Legacy Notices.

In this season, the National Association of Mathematicians (NAM) also has a new executive director. Dr Leona Harris, our outgoing Executive Director, will become AMS Director of Equity, Diversity, and Inclusion (see article below). We thank Dr. Harris for her accomplished service and wish her continued success. Dr Aris Winger, of Georgia Gwinnett College, now joins the NAM board as the new Executive Director.

Dr. Aris Winger, NAM Executive Director

Aris already has such a wonderful impact and voice the mathematical community; you can find him on twitter at @ArisWinger or listen to his podcast Mathematically Uncensored (hosted with Dr. Pamela Harris) at `minoritymath.org` or on Spotify. We look forward to hearing from both Aris and Leona in future Newsletters.

Be well,
Dr. Haydee Lindo

Publishing in the NAM Newsletter

Submissions: The *NAM Newsletter* is a quarterly publication. Articles and letters should be submitted electronically to the editor at `editor@nam-math.org`. 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		D. Two-thirds page	$500
B. One-third page	$300		E. Three-fourths page	$600
C. One-half page	$400		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 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		Edition	Deadline
Spring	February 13		Fall	August 13
Summer	May 13		Winter	November 13

Advertisements should be submitted electronically to the editor at `editor@nam-math.org`.

*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.*

Revised 11/19

Leona Harris to be AMS Director of Equity, Diversity, and Inclusion

This article was first published by the AMS and is republished here with permission.

Leona Harris, the new AMS Director of Equity, Diversity, and Inclusion. Credit: Irene Abdou

Dr. Leona Harris has been hired as Director of Equity, Diversity, and Inclusion (EDI) at the American Mathematical Society (AMS). Harris is currently executive director of the National Association of Mathematicians (NAM) and is concluding a position as a program analyst at the U.S. Food and Drug Administration (FDA). She will start at the AMS on January 24, 2022, based in the AMS's Washington, D.C. office.

In her new role, Harris will lead efforts to advance equity, diversity, and inclusion at the AMS and within mathematics. Reporting to Executive Director Dr. Catherine Roberts, Harris will oversee the design and implementation of EDI initiatives, examine historical trends and data, and cultivate relationships and trust within the mathematics community. She will also support the AMS Committee on Equity, Diversity, and Inclusion.

"Throughout my professional life, I have been an advocate for underrepresented, underserved, and marginalized populations, and I am deeply honored to have been selected to do this extremely important work with the AMS and the broader mathematics community," Harris said. "I am passionate about and fully committed to this work, and I strongly believe that together we can make the mathematics community more diverse, equitable, and inclusive through community engagement, collaboration, and institutional partnerships."

The creation of a high-level staff position on EDI was a recommendation of the AMS Task Force on Understanding and Documenting the Historical Role of the AMS in Racial Discrimination. "As evidenced by the Task Force report, racism is a concern in our mathematics community and true inclusion will strengthen the advancement of research," said Roberts. "Clearly, the AMS has a role in addressing racism in our profession."

Harris is an applied mathematician specializing in mathematical biology, with expertise in data analysis, modeling, programming, and simulation. She earned her PhD in applied mathematics from North Carolina State University in 2001 after completing undergraduate studies at Spelman College. She finished a postdoc at the National Health and Environmental Effects Research Laboratory of the U.S. Environmental Protection Agency and went on to hold faculty positions at Bennett College, The College of New Jersey, Georgetown University, Marymount University, and the University of the District of Columbia.

Harris spent 10 years at The College of New Jersey, where she was promoted to associate professor of mathematics and held several leadership roles. From 2017 to 2020, she was an associate professor at the University of the District of Columbia, also serving as chair of the Division of Sciences and Mathematics for two years. Since 2020, Harris has worked as a program analyst in the Office of Science at the Center for Tobacco Products of the FDA. In this role, she led the data strategy, reporting, and analysis efforts for a team that implements and sup-

ports the Office of Science's strategic planning and process improvement initiatives.

She is a co-founder of the Infinite Possibilities Conference, which promotes, educates, and supports minority women interested in the mathematical sciences. Harris also served as a member (2010-2017) and co-chair (2016-2017) of the Diversity Committee for the Park City Mathematics Institute (PCMI), aiming to increase the participation of underrepresented minorities in PCMI's programs for students, college faculty, and secondary school teachers.

"I am looking forward to rolling up my sleeves and beginning the work with AMS leadership, staff, governance, membership, and community to develop and implement an agenda that focuses on breaking down barriers that hinder success in the profession, creating a more inclusive climate in the mathematics community, and moving the organization toward full participation," Harris said.

Harris has served as executive director of NAM since 2019 (her term concludes at the end of January 2022) and was the organization's interim president from June 2020 through January 2021. A two-time instructor in the Enhancing Diversity in Graduate Education (EDGE) Summer Program, she co-edited the 2019 book A Celebration of the EDGE Program's Impact on the Mathematics Community and Beyond.

"Dr. Harris will make an excellent leader of our EDI work. She has an extensive and impressive track record of addressing educational and professional inequities and fostering inclusion in mathematics," Roberts said. "She brings a deep understanding of the challenges we face and actionable ideas for how we can do better."

AMS Communications, *The American Mathematical Society is dedicated to advancing research and connecting the diverse global mathematical community through our publications, meetings and conferences, MathSciNet, professional services, advocacy, and awareness programs.* □
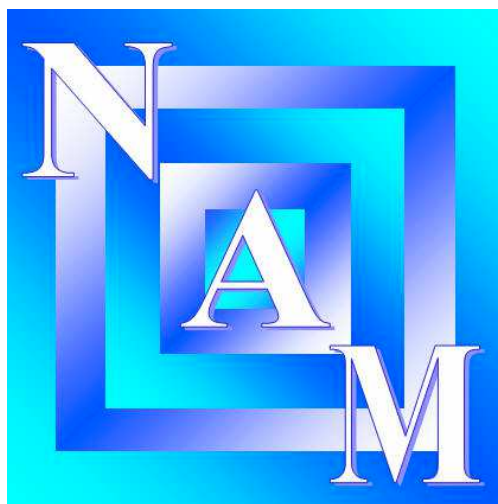
Mathematically Gifted and Black and SIAM announce MSEC Fellowship

In the wake of ongoing protests for racial justice, in the summer of 2020, the founders of the Mathematically Gifted & Black (MGB) website asked the general community to support our efforts to provide financial assistance to mathematics predoctoral students. The response we received in the way of donations was surprising and overwhelming. Although SIAM immediately made an offer to contribute, the MGB founders felt very strongly that SIAM could contribute in a way that directly helped dismantle the current status quo in the mathematical sciences, which arguably poses a more significant barrier to Black members of the mathematical community. The response to MGB's request was positive, and after a year of collaboration, the MGB-SIAM Early Career (MSEC) Fellowship was launched.

The MSEC Fellowship recognizes the achievements of early-career applied mathematicians–particularly those belonging to racial and ethnic groups historically excluded from the mathematical sciences in the United States — and provides support for professional activities and career development. The MSEC Fellowship reflects a joint commitment by MGB and SIAM to promote long-term engagement of MSEC Fellows within SIAM and continued success within the broader applied mathematics and computational sciences community. Each year, a cohort of 5-8 MSEC Fellows will be awarded a three-year fellowship. Among other things, for the period of the Fellowship, MSEC Fellows will receive complimentary SIAM membership, have registration fees waived, and receive $700 of travel support to attend the SIAM Annual Meeting each year. In addition, fellows will be required to co-organize at least one minisymposium in their research area at the SIAM Annual Meeting or another SIAM conference of the MSEC Fellow's choice in the United States or Canada and present a talk in at least one Workshop Celebrating Diversity session.

Visit https://www.siam.org/students-education/programs-initiatives/ mgb-siam-early-career-fellowship to learn more.

Legacy: Dr. Janis M. Oldham (1956-2021)
Prepared by Johnny L. Houston, PhD

Dr. Janis M. Oldham

Dr. Janis M. Oldham was born March 31, 1956 in Indianapolis, Indiana. She passed July 14, 2021. Dr. Oldham graduated from North Central High School in 1974 and earned degrees in mathematics from the University of Chicago (BS), Purdue University (MS), and University of California at Berkeley (PhD). Her area of specialization was Differential Geometry. She completed a thesis on Connections in Super Principal Fiber Bundles. Dr. Oldham spent more than 25 years of her professional life as a highly respected faculty member in the Department of Mathematics at North Carolina A & T State University teaching both undergraduate and graduate courses. In addition to her valuable teaching and inspiring mentoring of her appreciative students, she engaged in research and was active as a professional mathematician at the national level with the National Science Foundation, The American Mathematical Society (AMS), the Mathematical Association of America (MAA), and the National Association of Mathematicians (NAM). Although her participation was comprehensive, she was particularly interested in events and activities that promoted mathematical excellence for underrepresented minorities.

For examples, in the fall of 1994, she was one of two Coordinators who hosted the very large and successful NAM Undergraduate MATHFest IV on the campus of NC A&T State University. From 1997-2000 she served as NAM's Newsletter Editor. In 2002, Dr. Oldham served as a member of a committee that organized the NSF funded conference on Mathematical Studies in Nonlinear Wave Propagation in which 10 principal lectures on fiber optics were given by professionals in mathematics, engineering, and physics.

Dr. Oldham hosted the EDGE Summer Session for beginning graduate students at NC A&T in 2005, following an earlier summer as an EDGE instructor. For several years thereafter she was a leader of the NC EDGE Mentoring Cluster (with Ellen Kirkman and Kim Weems) in which she was determined to keep each student in the Cluster on target to earn the PhD degree. For decades, Dr. Oldham was a Life Member of NAM. In 1994, she was a recipient of a NAM Distinguished Service Award. At NAM's 50th Anniversary Banquet in 2019, Dr. Oldham was the recipient of NAM's Stephens-Shabazz Teaching Award. She received the 2005 Etta Z. Falconer Award for Mentoring and Commitment to Diversity at the Infinite Possibilities Conference, as well as the Bridge Builders Award from the Greensboro Club of the National Association of Negro Business and Professional Women's Clubs, Inc. Her Legacy was well-defined by her activities.

Dr. Houston first met Dr. Oldham on the campus of Purdue University when she was studying for her MS degree in mathematics. Dr. Bozeman has

worked with her over many years with EDGE Program. All three have continued to relate in many capacities over the years. Dr. Oldham was passionate about her work as a dedicated member of the mathematics faculty at NC A&T State University.

She also exhibited a strong Faith in God and a great love for family.

Johnny L. Houston, Ph.D is the Chair of the NAM Historical and Archival Committee (HAC) □

Legacy: Dr. John W. Alexander (1938-2022)
Prepared by Johnny L. Houston, PhD

Dr. John W. Alexander

John W. (Jack) Alexander, Jr. was born May 17, 1938, in Salem, OH. He passed January13, 2022 in Miami, FL at the age of 83. Dr. Alexander was a very scholarly individual, having earned five degrees in higher education. He earned the BS in Mathematics (1961, Boston University); the MA in Mathematics (1965, Bowling Green State University); the EdD in Mathematics Education (1985, Boston University), the MBA (1987, California Coast University(CCU)); and PhD in Management Science/Operation Research (1989, CCU). He retired as a Professor of Mathematics from Miami Dade College, Miami, Florida in 2020.

Dr. Alexander's interest in the broad applications of numerical knowledge is reflected by the diversity of his professional positions and activities. His professional positions included: Mathematics Consulting Director to the West African Regional Mathematics Program of the State Department (1970-77); Actuary for Connecticut Mutual Life Insurance Co. (1978-81); Chief Statistician, Futures Group Think Tank, Glastonbury, Connecticut, (1981-82); Associate Prof., Wentworth Institute of Tech (1982) and later Dean of the College of Arts & Sc. (1984-90); faculty member at the U. of the District of Columbia (1990-97) and served a term as Mathematics Department Chair. Later he served as Staff Officer and Research Mathematician for the Board on Mathematical Sciences (1995-96), and Director of the Board (1996-97) at the National Academy of Sciences. He returned to academia as Professor of Mathematics at Atlanta Metropolitan College and Spelman College (1998-2002) and ended his academic career as Professor of Mathematics at Miami Dade College (2002-2020).

Dr. Alexander had a long and distinguished relationship with the National Association of Mathematicians, Inc. (NAM). In 1992 Dr. Alexander was elected to NAM's Board of Directors as Vice President. Later he served a productive 10-year term as President of NAM (1994-2004). An effective President, he was highly admired by NAM's General Membership and members of the Board of Directors.

At the beginning of his Presidency NAM celebrated its 25th Anniversary Year during which

the Board examined its past activities and made future plans. The Board then charged President Alexander and Executive Secretary Johnny Houston with critically reviewing the ideas that emerged and proposing plans to guide the organization's activities for the next 5-25 years. The major elements of the 1994 Alexander–Houston Proposal which were adopted by the Board included: a 5-year Strategic Plan; establishment of an annual Regional Faculty Conference with a Bharucha-Reid Lecture; establishment of named lectures for notable mathematicians David Blackwell and J. Ernest Wilkins, Jr.; establishment of the annual Haynes-Granville-Browne Recent PhDs Presentations; creation of the NAM Lifetime Achievement Award; and upgrading NAM's Newsletter. In 2004 John W. Alexander received the NAM Lifetime Achievement Award in recognition of his extraordinary leadership and service to NAM.

Dr. Alexander was a master teacher of mathematics, a visionary of ideas for the use of mathematics and an effective and impactful leader of NAM. Colleagues describe him as "very positive," and "terrific at engaging with students." We will miss his cheerful personality and his dynamic presence.

Johnny L. Houston, *Ph.D is the Chair of the NAM Historical and Archival Committee (HAC)* □

Legacy: Dr. Nathaniel Dean (1956-2021)
Prepared by Johnny L. Houston, PhD

Dr. Nathaniel Dean

Nathaniel Dean, an American mathematician and educator who made significant contributions to abstract and algorithmic graph theory, as well as data visualization and parallel computing, was born in Mississippi on January 9, 1956 and passed in Texas on February 18, 2021. He received the BS in mathematics and physics from Mississippi St U (1978), the MS in applied mathematics from Northeastern U (1983) and the PhD in mathematics from Vanderbilt U (1987). He had a stellar career in both industry and higher education. After receiving his PhD degree in graph theory in 1987, Dr. Dean worked for the next 11 years in the Software Production Research Department of Bell Labs where he produced over thirty scientific publications. In 1997, he received the President's Silver Award from Bell Labs.

In 1998, Dr. Dean became an Associate Professor of Computational and Applied Mathematics at Rice University. While at Rice, he supervised four PhD students with thesis topics ranging from algorithmic graph theory to biological computing. In 2003 he moved from Rice Univ to Texas Southern Univ (TSU). He became a full professor and served as chair of the Mathematics Department at TSU. He was funded by a grant from the National In-

stitutes of Health as Director of the Computational Research Laboratory at TSU. Dr. Dean's departure from TSU to Texas State Univ (TX-St) occurred in 2006. At TX-St he supervised his fifth PhD student and served as chair of the mathematics department for several years. He was very popular and highly respected by his peer faculty and by students. He retired in 2016.

Dr. Dean's research focused on constructing mathematical models of complex systems and developing computer tools to visualize, design and analyze such systems. His research areas included discrete mathematics, optimization, data mining, and network visualization. Before retirement, Dr. Dean produced over 60 publications in these fields, and some of his work in data mining was highlighted in the PBS television series Life by the Numbers in 1998. Some of the data mining in this series also reflected software that he had developed to teach discrete mathematics at the K-12 levels. In 1995 Dr. Dean posed a conjecture which led to progress on the second neighborhood problem, which remains open as of 2021. In addition to his scientific research, Dean focused on mathematics education and outreach throughout his career. He was always recruiting students to study mathematics, especially, underrepresented American minorities. One of his aims was to help address the issue of the serious under-representation of underrepresented American minorities in the workforce in the mathematical sciences. In 2001, Dr. Dean was elected Vice President of the National Association of Mathematicians (NAM). Subsequently he served as President (2005-2015) where he led NAM with excellence and was a Life Member of NAM.

Dr. Dean served as an Associate Editor of the Notices of the American Mathematical Society (AMS) and served on the Board of Governors for the Mathematical Association of America (MAA). Additionally, Dr. Dean served as Managing Editor of the Journal of Graph Theory, co-organizer of several mathematics conferences, and served as Editor of four volumes for the AMS: Computational Support for Discrete Mathematics, African Americans in Mathematics, African Americans in Mathematics II, and Robust Communication Networks. He was active with the Society for Industrial and Applied Mathematics (SIAM) and with the annual Conference for African American Researchers in the Mathematical Sciences (CAARMS). He received several recognitions for his achievements and outreach, including NAM's Lifetime Achievement Award. He is recognized as one of the great USA Graph Theorists and he held a 2nd degree Black Belt in Martial Arts. We extend our Highest Regards in Sympathy to his family; especially his spouse and his four sons.

Johnny L. Houston, *Ph.D is the Chair of the NAM Historical and Archival Committee (HAC)* □

Legacy: Eleanor Green Dawley-Jones (1929-2021)
Prepared by Johnny L. Houston, PhD

Dr. Eleanor Green Dawley-Jones

Dr. Eleanor Green Dawley-Jones, of Virginia Beach, VA, passed away on Monday, March 1, 2021. She was 91. Eleanor was born in Norfolk, VA on August 10, 1929 as one of six children to the late George Herbert Green, Sr., and Lillian Vaughn Green. At the age of 15, Eleanor graduated as valedictorian from Booker T. Washington High School in Norfolk (1945) and received a scholarship to attend Howard University, where she received her BS degree in Mathematics (1949), and an MS degree in Mathematics (1950). After graduating from Howard University, Eleanor returned to Booker T. Washington High School as a mathematics and science teacher for two years. Later she was hired as an instructor of mathematics at Hampton Institute (now Hampton University), in Hampton, VA. In 1962, Eleanor moved with her two young sons, to Syracuse, NY, where she supported her family while doing further grad study in math. She earned her PhD from Syracuse University in 1966.

Dr. Jones was subsequently elected to the Sigma Xi Science Honor Society and was quoted as the eleventh African American woman in the United States to earn her PhD degree in mathematics. In 1967, she rejoined the faculty at Hampton U. and, one year later took a position as Professor of Mathematics at Norfolk State U. (then Norfolk St. College), Norfolk, VA where she became a tenured professor and retired in 2003 as Professor Emeritus. Dr. Jones is listed with The HistoryMakers, the largest African American Video Oral History Collection in the United States. She has two peer-reviewed published papers in the American Mathematical Monthly.

Dr. Jones was committed to living the spiritual life of her Catholic faith that she so loved. She was a member of St. Matthew's Catholic Church and was regularly active in many facets of Catholic Charities of Eastern VA. She also served her community through many distinguished organizations. She was a golden life member of Delta Sigma Theta Sorority, Inc. (was active with the Norfolk Chapter). Dr. Jones was a member of the Norfolk Chapter of the Links, Inc. and held offices at the local and regional levels. Other affiliations included the Committee for Opportunities for Underrepresented Minorities of the American Mathematical Society, the Exec. Bd of the Association for Women in Mathematics; Bd of Gov. for the Mathematical Association of America; and as Vice President of the National Association of Mathematicians (NAM), 1975-83).

In 1971, Dr. Jones became active with NAM, serving as NAM's Editor (1973-74) and becoming VP in 1975. She helped Norfolk State to host a Regional Meeting in the mid 1970's. She was a NAM Institutional and a State representative for many years and had leadership roles at NAM's Tenth Anniversary Celebration in 1979 in Boulder, CO. In 1994, NAM gave her a Distinguished Service Award and in 2001 NAM gave her NAM's Lifetime Achievement Award. While a student at Howard she studied under some early Black pioneer

mathematicians like David Blackwell, Elbert Cox, William W. S. Claytor, George Butcher and Dudley Woodard. While on NAM's Board, Dr. Jones told me she met Euphemia L. Haynes in DC, the first Black woman to earn a PhD in mathematics, but she was not aware of Dr. Haynes unique status then.

Johnny L. Houston, *Ph.D is the Chair of the NAM Historical and Archival Committee (HAC)* □

Legacy: Dr. Llayron Leon Clarkson (1924-2022)
Prepared by Johnny L. Houston, PhD
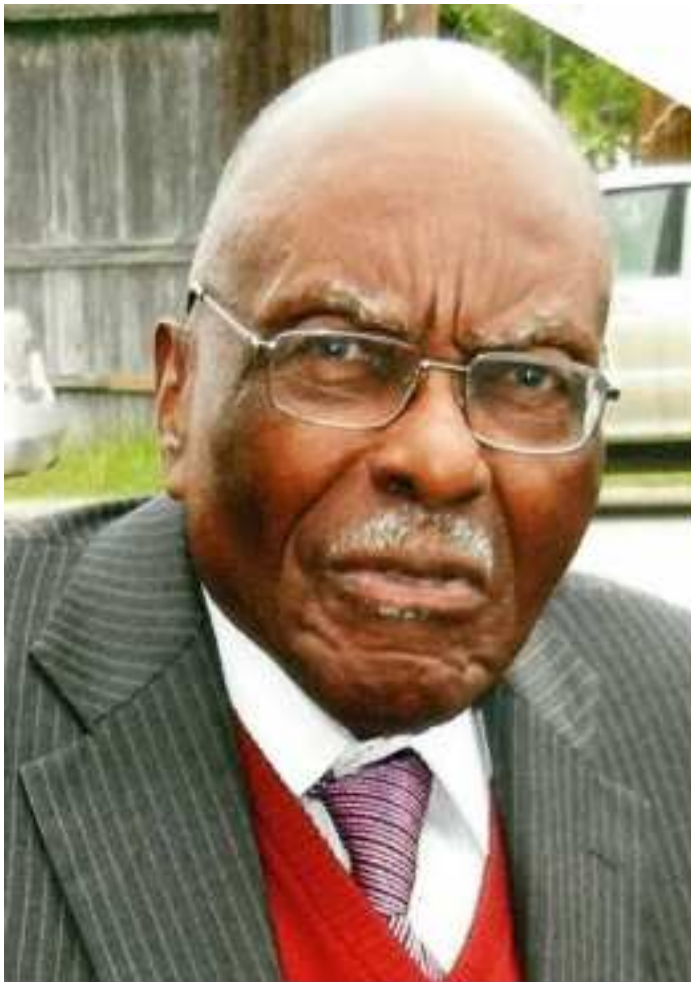
Dr. Llayron Leon Clarkson

Llayron Leon Clarkson, Sr., a native of Houston, TX, was born August 31, 1924, and passed on January 29, 2022 at the age of 97. After graduating from Jack Yates High School in 1940, Clarkson joined the National Youth Administration, a program established under President Franklin Roosevelt's New Deal to help combat the problem of youth unemployment by providing them with vocational skills. There, Clarkson acquired the skills of carpentry, plumbing and electricity. In 1943 Clarkson was drafted into the U.S. Army where his tour of duty took him to parts of Africa, Italy, France, Germany, and England. He was honorably discharged in 1945.

On March 3, 1947, when the state of Texas established Texas State University for Negroes (now Texas Southern University) as the first state university in the city of Houston for African Americans, Clarkson became one of its first students. There, he earned the BS and MS degrees in mathematics. Later he enrolled at the University of Texas at Austin (UT Austin) and became the second male African American to earn a PhD in math (1967) from this flagship university, A. D. Stewart was the first male in 1964 and in 1966, Vivienne Malone Mayes was the first African American female to earn a PhD in math from UT Austin. Some years later, Clarkson did post-doctoral work at Massachusetts Institute of Technology (MIT) and attended Stanford University as a Shell Merit Fellow. In addition to his academic accomplishments, Clarkson was a member of Kappa Alpha Psi Fraternity.

Clarkson taught at Jack Yates High School from 1951 to 1960, and later accepted a teaching position at Texas Southern University (TSU). At TSU, Clarkson held several positions including Head of the Department of Mathematics, Dean of the College of Arts and Sciences, V. President of Academic Affairs, Exec. V. President, Director of Campus-

Wide Academic and Information Systems, and Director of Institutional Research. He was also appointed as the Joseph S. Pierce Professor of Mathematics and Education. Clarkson was an impactful mathematician-educator, founder of the L. L. Clarkson Mathematical Summer Research Experience at TSU and founder of an Aerospace Firm (1988). and Clarkco Industries (1992). He retired from TSU (1994). Clarkson served as Bd Chair-CEO of Clarkson Aerospace Corp., a research, development, and engineering firm that provided some services for NASA.

Among other honors and recognitions, Clarkson received a Distinguished Service Award from NAM in 1995 and a Distinguished Alumni Award from TSU in 2010. He was active in several professional organizations, including the Mathematical Associa-

tion of America (MAA) and the National Association of Mathematicians (NAM). He produced several publications and he assisted in making successful many mathematical activities.

Clarkson was a strong, kind, caring and gentle man. He was devoted to family, dedicated to the education of Black people, and faithful to his Christian upbringing. He was a trailblazer who paved the way for many as he served, mentored, nurtured, and guided generations of TSU students, as well as notable persons in Texas and in the USA. His influence impacted those who encountered him. Llayron L. Clarkson's motto was11If I can help somebody along the way, then my living will not be in vain."

Johnny L. Houston, *Ph.D is the Chair of the NAM Historical and Archival Committee (HAC)* □

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Recent Events

Learning Lab Webinar

CLOSING THE CALCULUS EQUITY GAP

Join us for a discussion with leading scholars and educators on the role college Calculus plays in achieving racial and gender equity in STEM, and how educators and policymakers can support student success in STEM pathways.

Panelists include (from left to right) Omayra Ortega (Sonoma State University), Pamela Burdman (Just Equations), Nathan Alexander (Morehouse College), Frances Henderson (Just Equations), and Christopher Jett (University of West Georgia)

REGISTER

Thursday, February 3rd | 12pm-1:15pm (PT)

Moderated by
Rob Shorette (Learning Lab)
& Melodie Baker (Just Equations)

Events of Interest to NAM Members

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

https://www.nam-math.org/upcoming-activities.html

∗ **The Julia Robinson Mathematics Festival** (JRMF) seeks to inspire joy in mathematics through exploration and collaboration. Due to COVID-19, the JRMF team has been organizing Zoom Webinars in 3 different languages: English (Saturdays at 7 pm EDT), Spanish (Saturdays at 12 pm EDT) and Hebrew (Thursdays at 12 pm EDT). These virtual events are free and open to the general public, which means that kids and adults of all ages are welcome to join. Every week we explore a different fun math Activity.

If you are interested in volunteering to become a facilitator of the JRMF Webinars, please contact Dr. Jeanette Shakali, the JRMF Outreach and Marketing Consultant, at jeanette.shakalli@jrmf.org.

∗ **MAA-NAM Blackwell Lecture at MAA-MathFest** speaker will be Dr. Tai-Danae Bradley. MAA-MathFest will be held August 3-6, 2022.

∗ **Nonlocal School on Fractional Equations NSFE 2022** The second edition of the Nonlocal School on Fractional Equations NSFE 2022 will be held in person at Iowa State University from June 9-11, 2022: https://pabloraulstinga.github.io/NSFE2022 The school topics are analysis, numerics, and applications of fractional and nonlocal equations. There will be two mini-courses, each with 3 lectures, aimed towards graduate students, postdocs, and early career researchers, as well as six distinguished invited talks. NSFE 2022 keynote lecturers are

- Ovidiu Savin (Columbia University); topic: Nonlocal Minimal Surfaces; and

- Mahamadi Warma (George Mason University); topic: Control Theory for Fractional Equations.

Limited funds are available to support graduate students to attend the school. Students are encouraged to apply in advance. The application deadline for funding is March 4, 2022.

NSFE 2022 holds the "in cooperation with the Association for Women in Mathematics" status and supports the AWM Welcoming Environment Statement. Women and members of underrepresented and minority groups are strongly encouraged to attend and to apply for graduate student funding.

The Organizing Committee: Harbir Antil (George Mason University), Paul Sacks (Iowa State University), Pablo Raúl Stinga (Iowa State University).

∗ **The Faculty Conference on Research and Teaching Excellence** will held May 13-14 2022 at Norfolk State University, Virginia. The NAM FCRTE Barucha-Reid Speaker will be Dr. Dawn Lott.

* **The MAA NAM Section Lecturer Series** selects early-career mathematicians to bring new faces and ideas to MAA Section Meetings. Our speakers span the mathematical spectrum from theoretical to applied, academia to industry. But they all have one thing in common: a love of mathematics.

The MAA NAM Section Lecturer Series was developed in 2021 to better engage partnerships at MAA Section Meetings.

See this year's speakers and learn more about this lecture series at MAA.org here.

NAM Programs at the 2022 Joint Mathematical Meetings
All events are in PacificTime.

Wednesday April 6th:

- Joint Awards Ceremony
  4:15 PM - 6:15 PM PST

Thursday April 7th:

- Claytor-Woodard Lecture
  2:40 PM - 3:30 PM PST

Friday April 8th:

- Haynes-Granville-Brown Session
  9:00 AM - 11:15 AM PST

- Cox-Talbot Address
  11:10 AM - 12:00 PM PST

- NAM Awards Reception
  12:00PM - 12:30PM PST

- Passing the torch: A reflective panel dialogue and social
  12:30 PM - 2:00 PM PST

Saturday April 9th:

- NAM Business Meeting
  10:00 AM - 11:00 AM PST

Claytor-Woodard Lecture
Thursday January 6th, 11:00 AM - 12:30 PM
Dr. Monica Jackson, American University

Title: Spatial Data Analysis for Public Health Data

Spatial data analysis concerns data that are correlated by location, and relies upon the assumption that objects closer together in space (e.g. geographical location) will most likely have similar responses. This talk provides an overview of graphical and quantitative methods I developed for the analysis of spatial data. Emphasis is on lattice data (also known as areal data or aggregated data) however modeling of geostatistical data and point patterns will be discussed. I will apply these methods to public health data with applications to cancer trends, maternal mortality in the Dominican Republic, and COVID-19 disease surveillance.

Cox-Talbot Address
Friday January 7th, 7:45 PM - 8:35 PM
Dr. Robert Q. Berry III, University of Virginia

Title: Interest Convergence: An analytical viewpoint for examining how power dictates policies and reforms in mathematics

This Cox-Talbot talk uses a hybrid policy analysis-critical race theory lens informed largely by legal scholars like Derrick Bell to make the case that policies and reforms in mathematics education failed to address the needs of historically excluded learners. Rather, these policies and reforms are often designed and enacted to protect those in power's economic, technological, and social interests. This talk offers contrasting narratives between policy intentions and policy enactment, highlighting how the language of mathematics policies positions historically excluded learners as deficient within their cultures and communities. Finally, this talk considers features necessary in mathematics policies and reform documents when discussing the historically excluded learners.

Job Openings, Fellowships & Other Opportunities

Harvey Mudd College
Department of Mathematics

Visiting Professor of Mathematics

Harvey Mudd College invites applications for the position of Visiting Professor in Mathematics for the 2022-2023 academic year. The visitor will teach five courses during the 2022-23 academic year. The specific courses will be finalized with the visiting professor, but are expected to include courses in multivariable calculus and statistics. One of the criteria for employment is the candidate's experience with teaching practices that promote greater inclusivity, equity, and justice in the mathematical sciences. All areas of the mathematical sciences will be considered. More information and application at: `https://www.mathjobs.org/jobs/list/19620`

Case Western Reserve University
Department of Mathematics, Applied Mathematics, and Statistics

Visiting Assistant Professor (fixed term)

The Department of Mathematics, Applied Mathematics, and Statistics at Case Western Reserve University (CWRU) is searching for a visiting assistant professor in mathematics to begin in either Fall 2022 or Spring 2023. Preference will be given to candidates whose research is in algebra, geometry, or topology and are well-suited to collaborate with current faculty. The appointment will be for a one year period with the possibility of renewal for up to two additional one-year periods.

All candidates should hold a Ph.D. in Mathematics or a related field by the time of the appointment, and have demonstrated both research and teaching experience appropriate to rank. Candidates should be committed to working with a diverse population of faculty, staff, and students. Candidates should submit a letter of application, curriculum vitae, a statement of current and future research plans, a statement of teaching philosophy and experience, and the candidate should arrange for three letters of recommendation to be submitted directly by the writers, at least one of which should address teaching. In addition, applicants are asked to submit a statement explaining how they value diversity, equity, and inclusion within their research and discipline(s) and how their own scholarly work might contribute to structural justice inside and outside institutions of higher learning. This statement should also suggest how the candidate's work, while as a member of Case Western Reserve University, will contribute to diversity, equity, and inclusion and how moving forward they intend to foster a culture of diversity, pluralism, and individual difference.

All application materials should be submitted electronically through the AMS website `mathjobs.org`. Applications will be reviewed upon arrival. All applications received prior to April 15, 2022, will get full consideration.

Case Western Reserve University is located in the University Circle cultural district of Cleveland, Ohio, home of the nationally top-ranked Cleveland Clinic, internationally famous Cleveland Orchestra, the Cleveland Museum of Art, the Cleveland Institute of Music, and the Cleveland Institute of Art. Within a five-mile radius from CWRU are the nation's second largest theater district, several professional sports teams, a wide range of musical, artistic, and culinary venues, recreational opportunities, and numerous diverse communities in which to live.

In employment, as in education, Case Western Reserve University strives to maintain a diverse and inclusive work environment. All applicants are protected under Federal law from discrimination based on race, color, religion, sex, national origin, disability, age and genetics.As a recipient of the national Higher Education Excellence in Diversity (HEED) award for the past ten years, CWRU has been recognized nationally as a leader

in advancing equity and inclusivity. The university and the College of Arts & Sciences at CWRU are committed to creating an inclusive community where all are welcome, valued, and heard.

Case Western Reserve University provides reasonable accommodations to applicants with disabilities. Applicants requiring a reasonable accommodation for any part of the application and hiring process should contact the Office of Equity at 216.368.3066 to request a reasonable accommodation. Determinations as to granting reasonable accommodations for any applicant will be made on a case by-case basis.

General correspondence about this position should be sent to Nick Gurski, Search Committee Chair, at nick.gurski@case.edu

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NAM Newsletter
c/o Dr. Haydee Lindo, Editor
National Association of Mathematicians
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Winter 2021