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IN THE NEWS

The 2009 NAM MathFest will be held November 12, 13, and 14 at the University of District Columbia.

2008 AAAS Mentor Award Goes to former NAM board member Sylvia T. Bozeman of Spelman College and the AAAS Lifetime Mentor Award went to Percy A. Pierre (see article inside).

Beginning January 2010. The Editor of this Newsletter will be Dr. Talitha Washington (see article inside).

PLEASE Pay Your NAM Dues. This Newsletter and NAM's programs are financed by its dues paying membership. Please pay. See the end of the newsletter for the form.

Change of address? NAM gets an average of 30 or more Newsletters each issue. Why cause NAM to waste money, email the secretary your old and new address.

also see the **official NAM website at http://www.nam-math.org/**

AAAS Mentor Award

Dr. Sylvia T. Bozeman, a professor of mathematics and director of the Center for Scientific Applications of Mathematics at Spelman College in Atlanta has been honored by the American Association for the Advancement of Science for her commitment toward increasing the number of African-American women with doctorates in mathematics. Since Sylvia Bozeman became chair of the mathematics department at Spelman, 20 mathematics graduates have received doctoral degrees in mathematics or math education. Half of those students have said that their decision to attend graduate school could be attributed directly to Bozeman's encouragement and mentoring. She also is co-founder and co-director of the award-

winning Enhancing Diversity in Graduate Education initiative, or EDGE – a joint effort between Spelman and Bryn Mawr College to improve retention rates of female students in the schools' mathematics graduate programs. Between 1998 and 2006, 105 women completed the program, 14 of whom – including five who are African-American – received their doctoral degrees in mathematics.

Bozeman earned her doctoral degree in mathematics from Emory University, her master's degree from Vanderbilt University and her undergraduate degree from Alabama Agricultural & Mechanical College. She has taught at Atlanta University, Tennessee State University and, beginning in 1974 at Spelman College where she has served on the faculty and as a vice provost.

Her many honors and awards have included the Distinguished Alumni of the Year Award from Alabama A&M/National Association for Equal Opportunity; Spelman's Presidential Faculty Award for Distinguished Service; the Distinguished Teaching Award from the Southeastern Section of the Mathematical Association of America; the White House Initiative Faculty Award for Excellence in Science and Technology; Tenneco United Negro College Fund Award for Excellence in Teaching; and election to Phi Beta Kappa. In 1997, Bozeman became the first African-American to be elected a Section Governor in the MAA's 82-year history.

Established by the AAAS board of directors in 1996, the AAAS Mentor Award recognizes individuals who have, for less than 25 years, mentored significant numbers of underrepresented students (women, minorities, and persons with disabilities) toward a doctorate in the sciences, as well as scholarship, activism, and community building on behalf of underrepresented groups in science, technology, engineering and mathematics fields. Groups traditionally underrepresented in the sciences include women of all racial or ethnic groups; African-American, Native-American, and Hispanic men; and people with disabilities. The award includes a monetary prize of $5,000, a commemorative plaque, and complimentary registration to the AAAS Annual Meeting.

Each year, the AAAS board of directors also bestows a Lifetime Mentor Award, in addition to the Mentor Award. The Lifetime Mentor Award went to Percy A. Pierre, vice president emeritus and professor emeritus of electrical and computer engineering at Michigan State University in East Lansing. Pierre was recognized for his lifelong dedication to increasing the number of African-American and Hispanic-American doctorates in engineering.

The AAAS Mentor Award was presented at the 175th AAAS Annual Meeting in Chicago, Feb. 12-16, 2009.

For more information on AAAS awards, see http://www.aaas.org/aboutaaas/awards.
This article was abstracted from the AAAS News Release.

The MAD web pages on Sylvia Bozeman and Percy Pierre are http://www.math.buffalo.edu/mad/PEEPS/bozeman_sylviat.html and http://www.math.buffalo.edu/mad/PEEPS/pierre_percya.html

At its Fourteenth Annual Meeting, The Conference of African Americans Researchers in the Mathematical Sciences gave its first J. Ernest Wilkins Lifetime Achievement Prize. Below is the transcript of the address given by the CAARMS Wilkins prize recipient.

An Obligation Once Deferred

Scott W. Williams

J. Ernest Wilkins, Jr. Address
Atlanta, GA Thursday July 25, 2008

By way of a thank you for this opportunity, I would like to show some photos.

1. Wilkins Jr's parents, Lucille Robinson Wilkins and Jesse Ernest Wilkins, Sr. were successful in their own. Both had graduated from the University of Chicago, Lucille was an educator while Wilkins, Sr. whose Bachelor's degree was in Mathematics, was an accomplished attorney. In 1954 Wilkins, Sr was the first Black to attain a position in the Federal Government as high as Assistant Secretary of Labor (appointed by President Eisenhower). On the left is Senior on the right is Junior

Jesse Ernest Wilkins, Sr.

Jesse Ernest Wilkins, Jr.

2. In 2003 I was fortunate to be able to attend J. Ernest Wilkins' 80th birthday party held at MSRI.

3. I am standing next to Wilkins at the party - behind us is David Blackwell.

An Obligation Once Deferred

What happens to an obligation deferred?
Does it dry up
Like a raisin in the sun?
Or fester like a sore--
And then run?
Does it stink like rotten meat?
Or crust and sugar over--
like a syrupy sweet?

Maybe it just sags
like a heavy load.

Or, *does it explode?*

adapted from *A Dream Deferred*
by Langston Hughes - 1951

To tell this story of a lifetime of this mathematician, I shall begin before the beginning and end before the ending. Because my parents bought the houses either side of ours, for their parents, I have strong and close memories of three grandparents. For the most part I will play down my experiences with racism.

My mother's father descended from Black British Loyalists who settled in Nova Scotia. In life he was a Pullman porter on the Boston & Maine Railroad, just about the best job that could held by an early 20th century Black at that time. He died the month before I was born. My mother's mother, though an Algonquin Indian, had some notoriety in the history of African Americans in the state of Maine. She was deeply embedded in the black community as the employer of a successful "Colored" catering company and began a reading group which helped many African American women in the town of Bangor.

My mother (below on the left) was the second Black to attend the local college, The University of Maine, where she was a star athelete (field hockey), a musician and a double major - English and Mathematics. She was also the first Black to earn a Masters degree (Mathematics - 1940), she taught Mathematics alongside of, Marjorie Lee Browne (on the right), the third African American woman to earn (1950) a Mathematics PhD.

Before I was born, my mother wanted to study for the PhD in Mathematics but with two strikes (a woman and a Black) could not find a school to admit her. During my youth, as cellist, she was the first woman with a Baltimore symphony. The department of Mathematics at Morgan State did not hire women permanently so my mother returned to school to earn a second Masters degree from Johns Hopkins University in order to teach English at Morgan. Mother was very active in the African American community, she was once President of the Baltimore School Board, was offered Lieutenant Governorship of Maryland, and has been written as one of the twenty most important African American women in the history of Maryland. One of my strongest memories were frequent visits to the Baltimore Art Galleries, and her monthly borrowing of famous paintings to hang in our living room.
From my mother I learned to stretch, constantly, for excellence, a deep interest in the arts, an interest in travel, and a consuming advocacy for my fellow African Americans. She often instructed me to follow my own path and not mimic, or at least, know when I did. Her path to life can be summed up by the statement, “Never Do as Others do.” and is a life long effort.

My father’s family was descended from slaves in New Orleans and Virginia. Grandfather Williams was an elementary school teacher by day and a bellboy in the hotel adjacent to the capitol building of Pennsylvania [a hotel which, ironically, refused to serve me, a suited black man, in 1970]. But each of my grandfather’s four children earned at least a Masters Degree by 1950, my aunt in Music, my uncles in Art and Mathematics. My father, Roger Kenton Williams, was one of the first African Americans allowed to earn a PhD in Psychology. His wish was to be a researcher but for a Black man in the 1940s, there was only employment in a school teaching 18 to 24 hours a week - unless you were chair, when you only had to teach 12 hours per week.

My mother was classically trained in the piano and cello and gave lessons to pay for her schooling, but my father paid for his schooling paying jazz piano around Pennsylvania. Thus, from both parents came a wide interest in music genre. From my father specifically came an interest in technology, the concern for all less fortunate people, and the observation that holding grudges is self-defeating - a philosophy I sum with the statement, “What appears to be coming at you IS coming from you.”

My father earned his Masters before World War II, but I was born 7 months after he left for the war. He then used the GI Bill to pay for his doctorate at Pennsylvania State University. After a couple of years on the faculty of North Carolina A&T my father was hired as chairman of Psychology at Morgan State where he remained until his death. Though I was born in a Naval Hospital on Staten Island, New York, I consider Baltimore as my home.

During the 1950s Morgan State was renowned for its group of African American historians, Virgil Cliff, August Meier, and Benjamin Quarles and they were friends of my parents who came to dinner. My parents were also close to Clarence and Harriet Stephens. Stephens was the chair of the mathematics department at Morgan. This is the same Clarence Stephens who was the tenth African American to earn a PhD in Mathematics, and whose teaching methods at Morgan State, SUNY Geneseo, and SUNY Potsdam gave a stellar production of PhD mathematicians.

I entered 7th grade in 1955 during the first year of full integration and subsequently attended a new school in the White community but a few blocks from the Black community in which I lived. There seemed to be weekly neighborhood interracial mob fights, and I was frequently attacked on the playground. Math and Latin teachers said I had to be cheating to do so well. Guidance counselors said as a cheater I was prohibited from the curricula for college bound students. In high school teachers and counselors decided a grading error accounted for a 165 IQ score. Yet one high school math teacher did recognize my performance on exams and in class was stellar and honest. He became excited upon learning I had invented what I later discovered was matrix algebra. His strident support was vindicated by my 770 (out of a possible 800) score on the Math part of what is now called the Scholastic Aptitude Test.

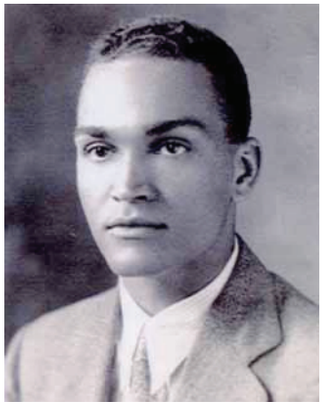
I was my wish to study either saxophone at a Baltimore conservatory or mathematics at MIT. Thought I was not admitted in MIT, it was Clarence Stephens influence that caused me to study Mathematics at Morgan. My years of college, though exciting under Stephens direction, was the time of civil rights strife. I was involved in several local protests that made national news and had photos in Time and Life.

Before our 1964 graduating class, only one student had earned above the 70th percentile on the Advanced Graduate Record Exam. In our class six students earned above the 90th percentile. Three of us, Arthur Grainger, Earl Barnes and I, eventually obtained a PhD. On the right is shown a 1997 photo of Clarence and Harriet Stephens along four former Stephens students who earned the doctorate. From left to right A. Grainger, E. Barnes, Sylvester Reeves, and S. Williams.

What have my parents given me? From my Mother came the stretch for excellence, a deep interest in the arts, a love of travel, and an advocacy for the Black community. From my Father came and a resistance to the status quo, humanity towards all, especially concern for those less fortunate, and that holding grudges is self-defeating - a philosophy best summed up with the statement: “What appears to be coming at you IS coming from you”. A search for discovery came from both, and they were the foundation upon which my research career was built.

I was a very radical young man in the 1960s. Colleagues at International Business Machines required me to account for rioting blacks in Harlem and Watts. The entire time I was in graduate school, Lehigh University had less than ten Black students, and I became active in changing those numbers. In 1969 I was one of the founders of an organization I called Black and Third World Mathematicians which subsequently renamed itself as The National Association of Mathematicians. Still as a young PhD, I saw that my anger got in the way of a clarity I needed to do research.

Fortunately, there came a realization that the African American community needed my rare research ability more than as just another protester. Correspondingly, I needed a research community and it was that which found me weekly commuting the 90 minutes between work at the University at Buffalo and participating in a seminar at the University of Toronto. Thus this desire to settle my obligation to the African American community had to be deferred. Elsewhere I have documented the spirited struggle to obtain tenure at the University at Buffalo. Seven years later, it was my international reputation that made it easy to become a Full Professor of Mathematics.



An aside, in my father’s department was also one of the first African American women to allowed to earn the PhD in Psychology, Mae. P. Claytor. My parents were close to Mae and her husband Walter. Walter Claytor (shown on the right) was the third African American Ph.D. in Mathematics. Walter Claytor, had classic highly regarded papers on the topology of the Plane. As I chose Topology as my field, upon his death and my PhD in Topology I discovered he had willed his entire library (which included the first 40 volumes of Fundamenta Mathematicae) to me.

Genesis of MAD

A major step toward payment of my debt to he African American community came with the website MAD (Mathematicians of the African Diaspora: http://www.math.buffalo.edu/mad/). May 2008 was the tenth birthday of MAD. During this period it has had six million visitors. During Black History Month 2006 there were over 400,000 visitors. MAD has received a dozen awards. Because of MAD I received a plaque in 2004 for being one of the "50 Most Important Blacks in Research Science." Thus, some natural questions present themselves: Why did I create it? How did I do it? What is its state now? What should be its future? Why the World Wide Web in stead of a book?

Over the 1995 Christmas-New Year week, my wife, Glo Aniebo, introduced me to The World Wide Web. At the time I had been communicating by email for 6 years and thought the Web something similar. But through Glo's help and encouragement I surfed and surfed and surfed over the next couple weeks, and by May 2006 I constructed my own web pages, The African American History of Western New York: http://www.math.buffalo.edu/~sww/0history/hwny.html and most notably a web site for Harlem Renaissance poet Jean Toomer http://www.math.buffalo.edu/~sww/toomer/jean-toomer.html. Through this site I met friends and family of Toomer and the site quickly grew beyond any published book. Soon it was cited by The Encyclopedia Britannica as a primary source on the internet. The Toomer web site showed me that a web site as a "living book" may have use that traditional texts lack. For individuals desirous of a book on the Mathematicians of the African Diaspora, write it and use the MAD site as a source.

During the Fall of 1996 I read a thoroughly engaging book by George Gheverghese Joseph, The Crest of the Peacock: Non-European Roots of Mathematics (Penguin Books 1991). It was an effort to refute the validity of history's ignorance of accomplishments in mathematics made in Asia, Africa, and The Americas independent of, or at times parallel with, or even prior to "discoveries" in Europe. This book provided an excellent source for the section in MAD on the ancient history of Africans in Mathematics. For more references see:
http://www.math.buffalo.edu/mad/Ancient-Africa/madrefs_ancient.html

Lifting Science

As a grade school child, I was struck by the emphasis, within the American culture, upon achievements in the Sports/Entertainment/Political Industry as indications of success. In the African American subculture, the indications are even stronger. Too my knowledge, no Mathematician, Physicist, or Chemist has received an NAACP Image Award (though an actor playing scientist Percy Julian received the Award). "Every February we trot out Marian Anderson, Paul Robeson, Jessie Owens, and/or Edward Brooke. And when science was mentioned it is almost always limited to George Washington Carver (peanuts), Daniel Hale Williams (open heart surgery) and Chares Drew (blood plasma).

Not that all these giants should be forgotten, but what about the Ghanaian ex-slave **Anton Amo**, the first (1730) Black man to earn a Doctorate of Philosophy (he taught mathematics)? What about **Charles Reason** the first (1849) African American professor at a majority college (he taught mathematics)? What about **Kelley Miller**, the first (1887) African American Mathematics graduate student? What about **Elbert Cox**, the first (1925) African American Mathematics Ph.D.? The accomplishments of the aforementioned were during the time of slavery or during the height of lynching, and we should be familiar with them.

Embarassement Energy

Not long after I was hired by The University at Buffalo in 1971, a local newspaper published an article captioned something like *"UB hires one of top five Black Mathematicians"*. When I saw this article several months later I was at first puzzled and later angry. What did "top five" mean? How were they ranked, presumably because of their research? I mean here I had published just one paper, and I was being called *one of the top five?* ABSURD! Either my people are woefully inept, or this statement was actually an insult to my people. It did

nothing for me that the author of the article claimed Black sources. It was an insult to my people.

Within the article, the other four mathematicians were not named but my chair asked me for the names of the other four. Embarrassedly I said, “David **Blackwell** and J. Ernest **Wilkins** are certainly two and Walter Claytor (a friend of my parents) possibly a third” but I did not know who had an established research career. Many letters and phone calls later I discovered all of the African American mathematicians I thought to contact had the same names. Finally it was White mathematicians who told me that Albert T. **Bharucha-Reid**, and possibly Charles **Bell** were the other two (note: Earl Barnes, John Ewell and James Joseph, were like me, each had just one published paper at the time). Shortly afterwards I had chance to speak with Beauregard Stubblefield, who with others who had begun writing the groundbreaking **BMW** (*Black Mathematicians and their Works*, Dorrance & Company 1980).

Until the 1970s institutional racism made it very difficult for us to earn the Ph.D. and nearly impossible to conduct research. Insults to Claytor, Blackwell, Wilkins and others are well detailed in MAD. In spite of the scarcity of Black Mathematicians, it was a very difficult task to discover all African American Mathematicians, but BMW was a just such an attempt, and it took nearly a decade of work. The result was a marvelous gift to us as was a series of articles on Black Women Mathematicians by Patricia Kenschaft. Finally, we had an idea of who and where we had been and where we are. References of MAD: http://www.math.buffalo.edu/mad/madrefs_modern.html

A Research Community

As I said previously, until the 1970s, it was very difficult for African Americans to obtain a Ph.D. and nearly impossible to maintain a research career afterwards. Yet we would like to train others for the Ph.D. Training students to a level of attainment best performed by individuals who have far exceeded that level. The first stage of training is in excitement about mathematics in the grade schools, the second stage is proper undergraduate foundation - even applied mathematics needs Analysis and Algebra, the third stage is graduate school professors. We have many individuals at the first two stages but a very small percentage of us are at the third stage. For the stage requires activity with and an environment within research.

The primary ingredients for doing research are, (1) love of subject, (2) time to execute, (3) a community of researchers. As compared to the American society a half century ago, there is little racism in academics. Thus, the last ingredient, a community of research-oriented scientists is the most difficult. In 1997 I met the single individual who has done the most to produce an African American Presence in Research Mathematics. William Massey, one of the founders of CAARMS (The Conference For African American Researchers in the Mathematical Sciences), is responsible 60% of my discovery of African American mathematicians to earn the Ph. D. since 1990. MAD exists because we need to build and support a community of research-oriented mathematicians.

One of our greatest faults as African Americans has been to closely define those who are “worthy” our support. First it was skin color. More recent it has been birthplace and this too is of ignorance. Our landscape would look quite bare with the omission of Gaston N’Guerekata (born in the Central African Republic), Kate Okikiolu (born in England) or Arlie Petters (born in Belize), three of our greatest living Mathematicians. The MAA’s web site SUMMA is restricted its attention to African Americans. I believe we should expand to the African Diaspora beyond the provincial orientation within America.

The first five years, I worked evenings and weekends, accounting for 30 to 40 hours a week I spent focused on the site. My wife, Glo Aniebo and her Igbo son Vance advised me on African cultural values so that what I, an American took for a snub, was quite different coming from a Kenyan or Ghanaian. Through Paulus Gerdes of Mozambique, I developed a relationship with the African Mathematical Union by offering to develop and host a web site for its Commission on the History of Mathematics in Africa within MAD.

Obstacles

There are hidden tasks associated with MAD. Every day there are at least 30 non-spam emails about the site. In December and May this number doubles. During Black History Month there have been between 100 and 300 emails daily from grade school children, their parents, and teachers who hope I have information not exhibited. Sometimes my patience has been strained.

My patience became more than strained as I met African American Mathematicians who said the web site was racist, and who did not wish to be designated this way. It is a well-known technique of those on the right to call attempts at breaking racism, racism. But the harder they pushed, the more resistant I became. I have been threatened with law suits over the web site (my university backed me completely in this issue). Certainly no organization such as the MAA which contains SUMMA or the National Academy of Sciences could resist such threats.

I have received (physical) threats from “friends” of a Nigerian mathematician whose claims to a “nomination” of Nobel Prize in Physics for solving the Unified Field Theorem, I have publicly doubted.

In 2002, hackers from Europe and Asia used the MAD’s server to attempt entering the Pentagon’s computers. Because of the FBI investigation, I can no longer upload to the web site from off campus. Thus, I frequently carry files from home, where I work on MAD, to school where I upload.

I had a stroke in 1999 but my wife will attest that after the hospital stay, MAD continued on at nearly the same pace. But health has been the sole unyielding obstacle to this site. A two month hospital and bed stay in 2005, and resulting reduced energy has cut my work on the site this past 3 years from 30 hrs/wk down to 3 hrs/wk. Thus, I am several years and 1200 relevant emails behind in updates.

Still, MAD is a necessary voice too long in coming. It is a voice, not restricted to America or Americans, a voice not restricted to history, but the present with an eye upon the future. Even if it dies, its legacy, illuminated by the light of MAD, will not. That legacy?
The African Diaspora has and always will contribute to Mathematics.

Dr. Talitha Washington

Talitha Washington, shown below, was raised in the Evansville, Indiana area. In 1996, she earned an BS in Mathematics with minor in Spanish from Spelman College. She earned both an MS (1998) and a Ph.D. (2001) from The University of Connecticut. Her research area is Differential Equations applied to cellular processes, and her thesis was Mathematical Model of Proteins Acting as On/Off Switches. After her Ph.D., she served as a VIGRE Research Associate at Duke University, and as an Assistant Professor at The College of New Rochelle. Since 2005, Dr. Washington has been an Assistant Professor of Mathematics at the University of Evansville.

Recently, she has researched a fellow Evansville native, Dr. Elbert F. Cox, who is the first African American in the world to earn a PhD in mathematics. She caused a monument to be built honoring Cox and his father (see Notices of the American Mathematical Society Volume 55 Number 5).

NAM Calendar

You can find NAM's Online Conference Calendar and the most recent links to relevant conferences announcements at NAM's oficial website http://www.nam-math.org/
Many details concerning NAM's events are posted on the NAM headquarters website http://jewel.morgan.edu/~nam/

NAM Board, Elections and Terms

For Nominations to the NAM Board, Elections and Terms please contact NAM's Majority Institution member (the election supervisor) by August 1. Make certain the nominated individual agrees to run, and serve if elected. Send vita data such as Name, email address, School, position, and date of last degree.

All members of the Board shall be elected to a term of office for a period of two years and elections shall be staggered for continuity. Regular elections shall occur in the fall of each year and the persons elected shall be duly installed at the first Annual NAM meeting following the election. The term of each elected position is three (3) years. The editor will be an appointed position for a period of three years. The Editor shall be responsible for the production of the Newsletter and shall perform such other duties as the Board of Directors may specify. The Executive Secretary shall be selected to serve for a period of five (5) years and shall begin the term of office at the Spring Board Meeting. His/her selection must be the unanimous choice of the existing Board of Directors.

The election of the members of the Board of Directors shall be by official ballots and shall be supervised by the Board of Director's Committee on Legislation-Nomination when the election is by mail, all current members in good standing in NAM shall be provided a ballot and given reasonable time to return it.

The year when positions commence is shown below. The elections are held in the year before. So in 2010 the election is held for the president's term beginning January 2011.

2010: Secretary/Treasurer; Region C Representative; Community College Representative.
2011: President; Region A Representative; Government/Industry Representative
2012: Vice President; Region B representative; Majority Institution Representative.
2013: Secretary/Treasurer; Region C Representative; Community College Representative.
2014: President; Region A Representative; Government/Industry Representative
2015: Vice President; Region B representative; Majority Institution Representative.
2016: Secretary/Treasurer; Region C Representative; Community College Representative.
2017: President; Region A Representative; Government/Industry Representative
2018: Vice President; Region B representative; Majority Institution Representative.
2019: Secretary/Treasurer; Region C Representative; Community College Representative.

Job Openings

Recall that for several years, NAM has had a web site with listings of open positions. This process is open to advertisers in the Newsletter. Advertisements too late for the publication date appear there. The remainder of the advertisements appear there six or more weeks before they appear in print in the Newsletter. See the editor's web site within MAD: http://www.math.buffalo.edu/mad/NAM/

COLGATE UNIVERSITY

The Department of Mathematics at Colgate University is accepting applications for a tenure-stream, full-time position. The position is at the level of assistant professor and begins July 1, 2010. PhD required, preferably in analysis or applied mathematics. The successful applicant will demonstrate excellence both in conducting independent research and in teaching. Teaching specialties must include numerical analysis or applications of mathematics to the physical or social sciences, and contributions to curricular development are welcome.

Colgate University is a highly selective liberal arts college with 2800 students. Faculty members teach five courses per year, including all-university programs. Applicants must apply through mathjobs (at http://www.mathjobs.org). A complete application must include a cover letter, a vita, an unofficial graduate transcript, statements on teaching and research, and three letters of recommendation (one of which should address teaching in detail). Screening of applications will begin December 1, 2009. Colgate is an equal opportunity, affirmative action employer. Developing and sustaining a diverse faculty, student body, and staff further the University's educational mission. Applications from women and minorities are encouraged.

MSRI

The Mathematical Sciences Research Institute in Berkeley, California, solicits applications for membership in its 2010-11 programs:
Random Matrix Theory, Interacting Particle Systems and Integrable Systems (Fall 2010); Inverse Problems and Applications (Fall 2010); Free Boundary Problems, Theory and Applications (Spring 2011); Arithmetic Statistics (Spring 2011)
Apply online: Research Professorships (Deadline: October 1, 2009); Postdoctoral Fellowships (Deadline: December 1, 2009); Research Memberships (Deadline: December 1, 2009).
FURTHER INFORMATION: www.msri.org
ONLINE APPLICATION: www.mathjobs.org
The Institute is committed to the principles of Equal Opportunity and Affirmative Action.

NORTHWESTERN UNIVERSITY

Ralph Boas Assistant Professorship

Applications are solicited for up to four Ralph Boas assistant professorships of three years each starting September 2010. These are non-tenure track positions with a teaching load of four quarter courses per year. We invite applications from qualified mathematicians in all fields.
Applications should be made electronically at www.mathjobs.org and should include (1) the American Mathematical Society Cover Sheet for Academic Employment, (2) a curriculum vitae, (3) a research statement, (4) a teaching statement, and (5) three letters of recommendation, one of which discusses the candidate's teaching qualifications. Inquiries may be sent to: boas@math.northwestern.edu.
Applications are welcomed at any time, but the review process starts December 1, 2009. AA/EOE. Women and minority candidates are especially encouraged to apply.

Tenure Or Tenure Track Position

Applications are invited for job-ad-2009-2 tenured or tenure-track positions starting September 2010. Priority will be given to exceptionally promising research mathematicians. We invite applications from qualified mathematicians in all fields.
Applications should be made electronically at www.mathjobs.org and should include (1) the American Mathematical Society Cover Sheet for Academic Employment, (2) a curriculum vitae, (3) a research statement, (4) a teaching statement, and (5) three letters of recommendation, one of which discusses the candidate's teaching qualifications. Inquiries may be sent to: hiring@math.northwestern.edu.
Applications received by November 1st will be given priority. AA/EOE. Women and minority candidates are especially encouraged to apply.

OHIO STATE UNIVERSITY

The Department of Mathematics in the College of Mathematical and Physical Sciences at The Ohio State University anticipates having tenure track positions available, effective Autumn Quarter 2010. We are interested in all areas of pure and applied math, including financial mathematics. Candidates are expected to have a Ph.D. in mathematics (or related area) and to present evidence of excellence in teaching and research. Further information about the department can be found at http://www.math.ohio-state.edu.

Applications should be submitted online at http://www.mathjobs.org. If you cannot apply online, please contact facultysearch@math.ohio-state.edu or write to: Hiring Committee, Department of Mathematics, The Ohio State University, 231 W. 18th Avenue, Columbus, OH 43210.

Applications will be considered on a continuing basis, but the annual review process begins November 16, 2009.

To build a diverse workforce, Ohio State encourages applications from minorities, veterans, women, and individuals with disabilities. EEO/AA Employer.

UNIVERSITY OF TEXAS AT AUSTIN

Expected openings for Fall include: (a) Instructorships, some that have R.H. Bing Faculty Fellowships attached to them, and (b) possibly two or more positions at the tenure-track/tenure level.

(a) Instructorships at The University of Texas at Austin are postdoctoral appointments, renewable for two additional years. It is assumed that applicants for Instructorships will have completed all Ph.D. requirements by August 17, 2010. Other factors being equal, preference will be given to those whose doctorates were conferred in 2009 or 2010. Candidates should show superior research ability and have a strong commitment to teaching. Consideration will be given only to persons whose research interests have some overlap with those of the permanent faculty. Duties consist of teaching undergraduate or graduate courses and conducting independent research. The projected salary is $45,000 for the nine-month academic year.

Each **R.H. Bing Fellow** holds an Instructorship in the Mathematics Department, with a teaching load of two courses in one semester and one course in the other. The combined Instructorship-Fellowship stipend for nine-months is $54,000, which is supplemented by a travel allowance of $1,000. Pending satisfactory performance of teaching duties, the Fellowship can be renewed for two additional years. Applicants must show outstanding promise in research. Bing Fellowship applicants will automatically be considered for other departmental openings at the postdoctoral level, so a separate application for such a position is unnecessary.

Those wishing to apply for Instructor positions are asked to send a vita and a brief research summary to the above address c/o Instructor Committee. Transmission of the preceding items via the internet (URL: https://www.ma.utexas.edu/jobs/application) is encouraged.

(b) An applicant for a **tenure-track** or **tenured** position must present a record of exceptional achievement in her or his research area and must demonstrate a proficiency at teaching. In addition to the duties indicated above for Instructors, such an appointment will typically entail the supervision of M.A or Ph.D. students. The salary will be commensurate with the level at which the position is filled and the qualifications of the person who fills it.

Those wishing to apply for tenure-track/tenured positions are asked to send a vita and a brief research summary to the above address, c/o Recruiting Committee. Transmission of the preceding items via the internet (URL: https://www.ma.utexas.edu/jobs/application/TenureTrack) is encouraged.

All applications should be supported by four or more letters of recommendation, at least one of which speaks to the applicant's teaching credentials. The screening of applications will begin on November 1, 2009. Background check will be conducted on the applicant selected.

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UNIVERSITY OF PITTSBURGH

Representation Theory/Algebraic Geometry/Number Theory/Combinatorics

The Mathematics Department of the University of Pittsburgh invites applications for two tenure-track or tenured positions in Representation Theory/Algebraic Geometry/Number Theory/Combinatorics to begin in the Fall Term 2010, pending budgetary approval. The appointments are at the Assistant Professor level or above, depending on the credentials of the applicant. A Ph.D. in Mathematical Sciences is required. We seek excellence in teaching and research so applicants should demonstrate substantial research accomplishment and dedication to teaching. Send a vita, three letters of recommendation, a research statement and evidence of teaching accomplishments electronically through http://www.mathjobs.org. If the candidate is unable to submit electronically, materials may be sent to: Search Committee in Algebra, Department of Mathematics, University of Pittsburgh, Pittsburgh, PA 15260. Review of completed files will begin on November 15, 2009 and continue until the position is filled. The University of Pittsburgh is an Affirmative Action, Equal Opportunity Employer. Women and members of minority groups under-represented in academia are especially encouraged to apply.

Topology/Geometry

The Mathematics Department of the University of Pittsburgh invites applications for a tenure-track position in Topology/Geometry to begin in the Fall Term 2010, pending budgetary approval. The appointment is at the Assistant Professor level. A Ph.D. in Mathematical Sciences is required. We seek excellence in teaching and research so applicants should demonstrate substantial research accomplishment and dedication to teaching. Submit a vita, three letters of recommendation, a research statement and evidence of teaching accomplishments electronically through http://www.mathjobs.org. If the candidate is unable to submit electronically, materials may be sent to: Search Committee in Topology/Geometry, Department of Mathematics, University of Pittsburgh, Pittsburgh, PA 15260. Review of completed files will begin on November 15, 2009 and continue until the position is filled. The University of Pittsburgh is an Affirmative Action, Equal Opportunity Employer. Women and members of minority groups under-represented in academia are especially encouraged to apply.

Scientific Computing/Numerical Analysis

The Mathematics Department of the University of Pittsburgh invites applications for a tenure-track position in Scientific Computing/Numerical Analysis to begin in the Fall Term 2010, pending budgetary approval. The appointment is at the Assistant Professor level. A Ph.D. in Mathematical Sciences is required. We seek excellence in teaching and research so applicants should demonstrate substantial research accomplishment and dedication to teaching. Submit a vita, three letters of recommendation, a research statement and evidence of teaching accomplishments electronically through http://www.mathjobs.org. If the candidate is unable to submit electronically, materials may be sent to: Search Committee in
Scientific Computing/Numerical Analysis, Department of Mathematics, University of Pittsburgh, Pittsburgh, PA 15260. Review of completed files will begin on November 15, 2009 and continue until the position is filled. The University of Pittsburgh is an Affirmative Action, Equal Opportunity Employer. Women and members of minority groups under-represented in academia are especially encouraged to apply.

UNIVERSITY OF ILLINOIS AT CHICAGO

The Department of Mathematics, Statistics, and Computer Science has active research programs in a broad spectrum of centrally important areas of pure mathematics, computational and applied mathematics, combinatorics, mathematical computer science and scientific computing, probability and statistics, and mathematics education. See http://www.math.uic.edu for more information.

Applications are invited for the following position, effective August 16, 2010. Final authorization of the position is subject to the availability of state funding.

Research Assistant Professorship. This is a non-tenure track position, normally renewable annually to a maximum of three years. This position carries a teaching responsibility of three courses per year, and the expectation that the incumbent play a significant role in the research life of the Department. The salary for AY 2009-2010 for this position is $54,500. Applicants must have a Ph.D. or equivalent degree in mathematics, computer science, statistics, mathematics education or related field, and evidence of outstanding research potential. Preference will be given to candidates in areas related to number theory or dynamical systems.

Send vita and at least three (3) letters of recommendation, clearly indicating the position being applied for, to: Appointments Committee; Dept. of Mathematics, Statistics, and Computer Science; University of Illinois at Chicago; 851 S. Morgan (m/c 249); Box R; Chicago, IL 60607. Applications through mathjobs.org are encouraged. No e-mail applications will be accepted. To ensure full consideration, materials must be received by December 31, 2009. However, we will continue considering candidates until all positions have been filled. Minorities, persons with disabilities, and women are particularly encouraged to apply. UIC is an AA/EOE.

Assistant Professor or tenured Associate Professor positions. Applications are invited for tenure track Assistant Professor or tenured Associate Professor positions, effective August 16, 2010. Preference will be given to applicants in statistics and related areas, but outstanding applicants in all specialties will be considered. Final authorization of the position is subject to the availability of state funding.

Applicants must have a Ph.D. or equivalent degree in mathematics, computer science, statistics, mathematics education or related field, an outstanding research record, and evidence of strong teaching ability. The salary is negotiable.

Send vita and at least three (3) letters of recommendation, clearly indicating the position being applied for, to: Appointments Committee; Dept. of Mathematics, Statistics, and Computer Science; University of Illinois at Chicago; 851 S. Morgan (m/c 249); Box T; Chicago, IL 60607. Applications through mathjobs.org are encouraged. No e-mail applications will be accepted. To ensure full consideration, materials must be received by November 16, 2009. However, we will continue considering candidates until all positions have been filled. Minorities, persons with disabilities, and women are particularly encouraged to apply. UIC is an AA/EOE.

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