



Spring/Summer 2003
Issue No. 33

UBMS Journal

UBMS Gains New Director



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The mission of UBMS is to help participating students recognize and develop their potential to excel in math and science and to encourage them to pursue postsecondary degrees in these fields.



Darrin Thornton took over the reins of UBMS in May 2002 and led us through a very successful summer program and year.

Darrin comes to us with an educational background in Human Development and Social/Educational Policy, Curriculum and Instruction: Program Development and Curriculum Design and Music Performance.

Professionally, he has been involved with educational access programs similar to Upward Bound Math and Science for the past twelve years. His experiences have given him the opportunity to work with students in grade school, middle and high school, as well as college students, graduate students, and adult learners. In addition, he has considerable

experience administering educational projects through grants funded by the National Institutes of Health (NIH), the National Science Foundation (NSF), and the U.S. Department of Education.

Darrin feels that all of these experiences will assist him in administering UBMS. He states, "The common thread between my training and experience is academic access. The goal of most access programs is to control the first two elements, opportunity and training, and then allow the student to bring the desire along with hard work. In my mind UBMS is no different philosophically and offers students the unique experience of being immersed into the culture and content of math and science during the six-week summer program."

Feel free to contact Darrin via e-mail at dht2@psu.edu or at 1-800-596-4520 or 814-863-4291, with any comments or questions regarding UBMS.



"I feel strongly that anyone can be successful if they have the right opportunities, proper training, and a desire to work hard."

100% of 2002 UBMS Graduates go on to Postsecondary Education

One of the objectives of the Upward Bound Math and Science Center is to ensure that its participants move on to higher education after graduating from high school.

We are proud that 100 percent of our students who graduated

in 2002 moved on to postsecondary education!

Some of the colleges and universities our students are now attending include Queens University, Penn State University, Indiana University of Pennsylvania, Clark Atlanta University,

University of Miami, and Lycoming College.

To see all of our graduates and where they have matriculated, please see page 2.

Class of 2003 Prepare for Their Futures!



Frank Clark
Philadelphia



Jerome Crawford
Philadelphia



Vincent Costello
Philadelphia



Dung Dam
Philadelphia



Doryel Freeman
Philadelphia



Israel Garduno
West Chester



Antonette Grant
Philadelphia



Bianca Grant
Philadelphia



Azim Haywood
Philadelphia



Tamla Tiwin
Duquesne



Richard Jeffrey
Cairton



Khadijah Lupton
Philadelphia



James Mack
Philadelphia



Dionne Showell
Philadelphia



David Stanley
Philadelphia



Lydia Vincent
Philadelphia



Whitney Warfield
Philadelphia



Jackie Williams
Philadelphia

The Class of 2003 is now fully engaged in the bustle to gain acceptance to postsecondary education and secure the needed financial aid to begin classes next fall. Some colleges and universities have already made offers to the following students:

- Renae Hutchinson: Penn State
- Bianca Grant: Community College of Phila.

- Frank Clark: St. Augustine
- Jerome Crawford: Penn State, Univ. of Pittsburgh, St. Josephs, La Salle, Temple, Rowan
- Richard Jeffrey: Penn State
- David Stanley: Univ. of Pitts., Penn State
- Azim Haywood: Penn State

- Khadijah Lupton: Penn State, Univ. of Pittsburgh
- James Mack: Penn State
- Dionne Showell: Penn State
- Whitney Warfield: Kutztown, Edinboro
- Vincent Costello: Gettysburg
- Israel Garduno: Penn State

2002 Graduates Move on to (continued from page 1)



Both Mackara Hem and Rashanda Dalton received Board of Governor's scholarships for their entire undergraduate education. Quoc Dam and Shixiang Ou participated in Penn State's College Assistance Migrant Program (CAMP), which is a federally funded program designed for first-year college students from migrant and seasonal farmworker families. CAMP offers precollege transition and first-year services to help students

develop the skills needed to stay in college and graduate. Past participants also had a great deal of success in their academic pursuits: Melissa Miller ('99, '00) matriculated to Gettysburg University, Joe Cook ('99, '00) to Philadelphia University, and Veasna Ros ('99, '00) came to Penn State and participates in the CAMP program as well.



Nikki Breideman
Reading H.S.
Queens University



Jeremiah Cahill
Harrisburg H.S.
Marine Corps



Rashanda Dalton
Harrisburg H.S.
Shippensburg University



Quoc Dam
Multicultural Acad C.S. (Phila)
Penn State University



Mackara Hem
Harrisburg H.S.
Lycoming College



Jodian Johnson
Reading H.S.
Florida State University



Jodiene Johnson
Reading H.S.
University of Miami



Geronda Montalvo
Central H.S. (Phila.)
Clark Atlanta University



Shixiang Ou
South Phila. H.S.
Penn State University



Stephenie Watson
William Penn H.S. (Phila.)
Citone Institute



Students Focus on Forensics

Students who participated in the 2002 summer program of the Upward Bound Math and Science Center got a unique taste of a currently popular topic: forensics.

Students learned that forensics not only means investigating someone's death at a crime scene, but it also means, "pertaining to or employed in debate or argument" and can apply to a wide variety of topics and careers.

During the summer, the students learned about the forensics of weather from Dr. Dennis Thomson, professor of Meteor-

ology, and examined how the weather could affect people during disasters such as nuclear plant leaks or anthrax release into the atmosphere.

Interesting topics such as facial reconstruction and skeleton identification were presented through a hands-on, computer-generated experience with Dr. Diane Athanas, a former forensic anthropologist and current director of Penn State's Educational Opportunity Center in Philadelphia, who spoke to students regarding Forensic Anthropology. Students also enjoyed presentations about Forensic Psychology and Forensic

Entomology given respectively by Dr. Thomas Bowers, associate professor of Psychology and Dr. K.C. Kim, professor of Entomology and Curator of the Entomology Museum at Penn State.

Students then had the opportunity to conduct their own experiments with a forensics focus. Some students took on this challenge and designed, conducted, and presented research on topics such as "The Effect of Burial Depth on the Decomposition of Organic Material" by Eلسen Jacob (Reading High School) and "The Effect of Various Light Sources on the



UBMS students learn about forensic entomology lab procedures from Dr. J. C. Kim

Decomposition of Fruit" by Evette Carlton (William Penn High School).

PHEAA Partners with UBMS to Help Students Succeed

The Pennsylvania Higher Education Assistance Agency (PHEAA) has partnered with UBMS and provided \$10,000 to assist in funding an Academic Year Program that will assist students in preparing for and achieving their goal of postsecondary education enrollment.

Some of the goals of the Academic Year Program include

having students maintain a "B" or higher in their math and science courses, improving their performance on math and science standardized tests, identifying math/science-related careers they wish to pursue, graduating from high school, and enrolling in postsecondary education.

This new funding will help to

provide new enrichment activities, such as visits to career sites, colleges and universities, and science centers, as well as involve more students and parents in the UBMS program and in college readiness activities.

For more pictures and information about activities, please see page 4.



Student James Mack (2000, 2001) and father, Jerone Mack, complete paperwork for James' college applications for the fall 2003 semester at a recent UBMS workshop in Philadelphia.

UBMS Alumni "Give Back" in 2002 as Tutor/Counselors

Three UBMS alumni joined the summer staff for the 2002 program, all serving as Tutor/Counselors (TCs), live-in staff who are role models for UBMS students, offering tutoring, planning cultural, recreational, and educational activities, and bringing real world advice to students as they strive to pursue higher education.

Serving in this capacity can be a

meaningful experience, as Sharon Scott-Brown shares: "All of my experiences with the summer program, both as a student and now as a tutor/counselor, have been wonderful. Being a tutor/counselor is a joyous position. You have the chance to interact with many different people, as well as be both a mentor and helper for the students. The tutor/counselor position is not just an authority position; it is a position that is used by wonderful

people to help bring out the best features of the program."

Anyone interested in applying to be a TC in a future summer program, please contact Jody Markley at jm110@psu.edu or at 1-800-596-4520.



Sharon Scott-Brown
(UBMS 97-98)
Penn State
Science, Math minor



Cameron Cornelius
(UBMS 99-00)
Penn State
Engineering



Khary Johnson
(UBMS 00)
Penn State
Biology

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Providing Opportunities to Excel

WE'RE ON THE WEB!
WWW.EQUITY.PSU.EDU/AAP/UBMS



The Upward Bound Math
and Science Center@
Penn State University

Family News

- Nigel Charles— Distinguished Honor Roll
 - Ashley Diggs— Meritorious Honor Roll
 - Evette Carlton— selected for National Honor Roll
 - Jeffrey (formerly Johnson) Stanton placed first in the Harrisburg H.S. Science Fair
 - Andrea (Angel) Love ('02)— 2nd Honor Roll
 - Heather Hill ('02)— 1st Honor Roll
 - Bianca Grant placed 3rd in the Philadelphia Citywide Youth Poetry Slam held by Free Library of Philadelphia
 - Lonziane Joseph ('01, '02)— Distinguished Honor Roll
- Nikki Reidlegam ('00, '01) writes:
"Hey, Jody: It's me, Nikki B. I just want to tell you how I am doing. I go to Queens University in Charlotte in beautiful North Carolina. It has been an interesting first year. I made friends who have become my family; we even have a family tree. I made the Dean's List my first semester with a 3.8 GPA. I took a biology class, a religion class, some English, some Spanish, and an interdisciplinary class called "Core." College has been great for me—the people, the experiences (Jody, I went white water rafting with class 5 rapids!), but mostly everything I am learning, like IHOP is the best restaurant ever!"

This publication is available in alternative media on request.

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From Jody's Desk...

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You know, participating in UBM S is like becoming part of a big family. The staff and students care about each other, students and alumni help each other with academic and personal struggles, and we all celebrate each other's successes and accomplishments.

This new sletter is a great way to keep in touch with what is going on in the UBM S family, but you may not know that you can also keep in touch with us electronically. Of course, you may e-mail us at any time, but UBM S also has a Web site (a Yahoo Group) at <http://groups.yahoo.com/group/psu-ubms/>.

At this site, we can share and post pictures, messages, chat, and there are links to helpful and informative sights, a calendar with important dates regarding UBM S and when we are going to be in different parts of Pennsylvania. It is a great way to keep in touch with your UBM S family and let us know how you are doing. If you would like to join, please e-mail me at jim110@psu.edu and I will send you an invitation. SEE YOU ONLINE!

Got News?

Any news, announcements or information you would like to share can be sent to ubmsnewsletter@yahoo.com!

*Blessings and
Peace,*

Jody



2003 EVENTS:

- March 8: UBM S Philadelphia: Student/Parent Workshop, "Staying on Track for College"
- March 10: UBM S Reading: A bright College visit
- March 29: UBM S Pennsylvania, Earth and Mineral Science Day at Penn State University
- April 3: UBM S Pittsburgh— Play, "Ashes to Africa" by the Kuntu Repertory Theatre and Univ. of Pittsburgh campus visit



Khadijah Lupton learns about the diet and eating habits of butterflies at a Philadelphia site visit.



UBM S Pittsburgh students, mentor, Natasha Perkins, and assistant director, Jody Markley attend "Ballad Hunter" at the Heymann Theatre at the University of Pittsburgh.

**UBMS SUMMER
PROGRAM 2003:
JUNE 15—JULY 26**