



“The Doctor”

McNair Scholars Program Wichita State University Division of Student Affairs

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• *PHD* • *DBA* • *JD* • *EdD* • *MD* • *DMus* • *DPH* • *PsyD* •

McNair Scholars Program Participates in National TRIO Day Celebration

February 16, 2005, marked the National TRIO Day Celebration: The Blueprint for a Lifetime of Success. Over 200 middle school, high school and college students came together with representatives from all of the Wichita State University TRIO Programs: Upward Bound/Wichita Prep, Upward Bound/Math and Science, Talent Search, Student Support Services, McNair Scholars Program, Disability Support Services, Educational Opportunity Centers, Kansas Kids @ Gear Up and the Office of Disability Services.

This was a day celebrating the accomplishments of the programs that motivate students to complete high school, enroll in postsecondary education and receive college degrees. Students attended several workshops that included resume building, networking, interviewing and information on careers in the medical profession. The keynote speaker **Robert Love**, a Gear Up Counselor from Alcott Middle School, shared his life story with the audience and spoke directly to the students about doing their best to succeed in life.

Guests from the university community, city officials, public school personnel, congressional staff, guest speakers, volunteers, students and parents were present, making this National TRIO Day a special celebration.



Accepting Applications for the 2005 - 2006 Academic Year

The McNair Scholars Program is looking for new participants for the 2005 - 2006 academic year. To be eligible for the Program, one must meet the following requirements: be a U.S. citizen or permanent resident, a full-time WSU student with at least second semester sophomore standing (not graduating in May 2006), have a minimum cumulative GPA of 2.75 or a 3.0 or better in the last 60 hours, and be eligible for federal TRIO programs. Students who are members of groups that are traditionally underrepresented in graduate education (i.e. African American, Hispanic/Latino and Native American/Alaskan Native) are encouraged to apply.

The Program is designed for students who are interested in pursuing a doctoral degree. The Program offers students the opportunity to interact with faculty members, explore the process of participating in scholarly research and attend local, regional and national conferences. The application period is **March 1 - April 18, 2005**. Students may stop by the McNair Office, located in Grace Wilkie Annex, room 173, to pick up an application. **Faculty and staff may also contact the office with the names of potential candidates.**



Grammatically Speaking



Writing an Abstract

Now that your literature review has been turned in, it is time to focus on the next step of your research: the abstract. “What are the essential elements of an abstract?” you may ask. Take a look at the following insightful information provided by the Writing Up Research website (<http://www.languages.ait.ac.th/el21abst.htm>).

Definition of an Abstract: A one-paragraph summary of your research, typically 100 to 200 words (word count varies depending upon the publication/conference to which the research abstract is being submitted).

An Abstract Should Briefly...

- Re-establish the topic of the research
- Give the research problem and/or main objective of the research
- Indicate the methodology used
- Present the main findings
- Present the main conclusions

Dissection of an Abstract:

Main Objective:

The long-term performance of various systems was determined and economic aspects of solar hot water production were investigated in this work.

Methodology:

The effect of the collector inclination angle, collector area and storage volume was calculated.

Main Findings: It was found that the collector inclination angle does not have a significant effect on system performance. Large collector areas have a diminishing effect on the system’s overall efficiency. The increase in storage volume has a detrimental effect for the small daily load volumes, but a beneficial one when there is a large daily consumption.

Main Conclusions/Recommendations:

Solar energy was found to be truly competitive when the conventional fuel being substituted is electricity, and it should not replace diesel oil on pure economic

grounds. Large daily load volumes and large collector areas are in general associated with shorter payback periods. Overall, the systems are oversized and are economically suitable for large daily hot water load volumes.

Common Problems

- Too Long
- Too Much Detail
- Too Short
- Failure to Include Important Information

Emily Christinat
Writing Tutor

**McNair
Spotlight**

Martecia Belk has been accepted into the Sociology graduate program at WSU.

Sue Webb has been accepted into the English graduate program at WSU.

A FEW WORDS OF WISDOM

Are You Challenging Yourself?

In order to be truly outstanding you must get out of your comfort zone. Stretch yourself to activity that others may think too hard or not probable. When others tell you that you probably will not accomplish what you have set out to do, tell yourself that you will do it. Avoid these naysayers as much as possible and concentrate on accomplishing your goals.

After you have succeeded then it will be alright to see these persons again. There will be no need to mention your accomplishments because the one who told you that you couldn’t will be the first to tell you “I told you that you could do it.” Just smile and say thank you.

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“What you get by achieving your goals is not as important as what you become by achieving your goals.”

~ Zig Ziglar

Now That I Know, I'm Going to Tell You....

- ~ **I**t is okay to ask for help.
- ~ People change.
- ~ Honesty is the best thing for you, no matter how much it hurts.

Seth Perkins, Senior, Biology

- ~ **W**hen presenting, do not wear uncomfortable shoes! People can really sense if you are relaxed and comfortable.
- ~ Making your most positive qualities shine will give you additional time to work on the things you would like to improve.

Elischewah Basting, Senior, Psychology

- ~ **P**ay for classes during the lunch hour because that is when no one is at tuition and fees!

David Diaz II, Senior, Music Education

- ~ **A**pplying to graduate school is so time consuming.
- ~ College and relationships do not mix. It's almost like drinking and driving!
- ~ College and bad hair days go hand in hand.
- ~ It is best to wait until your senior year to take the GRE so you know exactly what graduate schools you want to apply to. This will save you \$10.00 per additional school you want the scores sent to.

Martecia Belk, Senior, Communications



The McNair staff wishes those celebrating birthdays in March, April & May a Happy Birthday!

Martecia Belk - April 20
Elischewah Basting - May 6

Events to Come

MARCH

- 4 Student Group Meeting
2 - 3 p.m., Room 206, HC
Connie Dietz,
Cooperative Education
"Portraying a Professional Image"
Research Assembly Meeting
3 - 4 p.m., Room 206, HC
- 12 Faculty-led Seminar
10 - Noon, Room 106, DV
Dr. Rhonda Lewis, Psychology
"What it Took to Receive My Doctorate"
- 21 -27 **Spring Break! Enjoy**

APRIL

- 1 Student Group Meeting
2 -3 p.m., Room 206, HC
Stephanie Hargrave & Mary Benton, Psychology
"Critical Thinking"
- 6 - 8 MO-KAN-NE Conference,
Kansas City, MO. (Staff)
- 9 Faculty-led Seminar
10 - Noon, Room 106, DV
Dr. Ken Pitetti
"Mentoring and Networking"
- 22 Wichita State University
Research and Creative Forum,
Hughes Metroplex

MAY

- 6 Student Group Meeting
2-3 p.m., Room 206, HC
"Closing the Semester"
Research Assembly Meeting
3 - 4 p.m., Room 206, HC
- 10 Study Day
- 11 - 17 Final Exams
- 13 - 14 Spring Commencement
- 30 Memorial Day - No Classes
- 31 Registration begins for Summer Classes

Someone Like Me?

What do these young women have in common? All three received their PhD's in Mathematics from the University of Maryland at College Park in 2000, all at the same time. This is such a rarity. Data from the American Math Society show that there were only 12 math PhD's awarded to African Americans in the entire United States in 1998 - 1999, the most recent data available. **Tasha Inniss, Kimberly Weems and Sherry Scott** are the first African American women to receive PhD's in Mathematics from the university since 1970 when the university awarded **Genevieve Knight** a PhD in Mathematics Education.

Tasha Inniss (left) received her bachelors degree at Xavier University, and her masters degree in Applied Mathematics from Georgia Institute of Technology. She is currently employed as a Clare Booth Lee Assistant Professor of Mathematics at Trinity College, Washington, D.C.. Inniss accredits her mother, who taught sociology at Florida A & M University grade math and has a mater's degree education. She never grew up with the nor were suppose to do math. There fostered and encouraged the love of



Sherry Scott (middle) received her mathematics before heading for her Assistant Professor of Mathematics at visiting assistant professor in George department. Scott's mother, a and inspired her to pursue higher education and was taught "that the math had to be there if you wanted to succeed."

and her grandfather, who taught 6th from Harvard, to believe in the value of impression that women could not do were many people around her who math.

bachelors of science degree in doctoral work. She is currently an Bowie State University and was also a Washington Universities statistics professor of education, encouraged

Kimberly Weems (right) received her bachelors from Spelman College and her masters from the University of Maryland College Park. She is currently a postdoctoral in statistics at North Carolina State University. Weem's interest in math began as a young child, where she would play after school in her mother's classroom, a middle school math and science teacher. Her mother always encouraged her to pursue her interest in math. Weems indicated that she later drew strength from African American women math professors she had at Spelman College and feels that she has been fortunate to have strong influential women in her life and hopes to be a role model for young girls to inspire them to pursue mathematical careers. All three women also commended the University of Maryland College Park for welcoming them, extending opportunities and allowing them to work with excellent faculty.



**MARCH IS
WOMEN'S
HISTORY
MONTH!**

McNair on The Move!

Meet Norma Campos



My name is Norma V. Campos and I am a senior in Aerospace Engineering. I was born in Wichita, Kansas, but grew up in Mexico. At age 19, I made the difficult decision of leaving my family and friends back home to come to the United States to pursue my dream of becoming an Aerospace engineer. I faced very difficult moments at the beginning of my career, but thanks to the generous financial aid that Wichita State University offered me, I was able to continue my education. Since my sophomore year, I have been involved in icing research conducted through the Aerospace Engineering department at WSU. Along with my academic curricula, this research experience gave me the necessary tools to participate in the co-op program at NASA Dryden Flight Research Center, where I am currently taking my third tour as a student engineer.

Thanks to the McNair Scholars Program, I have seen the results of my research efforts translated into publications, presentations, and graduate school preparation. In addition to my love for science, I am passionate about languages and cultures, which helped me to be named as a student ambassador to Orleáns, France, during the summer of 2002. In addition, I have been careful to keep close ties with my Hispanic heritage through different community service endeavors. The journey has not been easy but it has been lots of fun. Hence, I am excited to announce that I will be graduating in May 2006 and expect to pursue a Master's and a PhD in Flight Dynamics and Control.

I am currently working with **Dr. Chan-gi Pak**, Analysis, at the NASA Dryden Flight Research Center.



Fastest Growing Occupations: Doctoral Degrees

According to the U.S. Department of Labor, below are the fastest growing occupations and the largest increases in employment between 2002 - 2013 for occupations that require a doctoral degree.

Fastest Growing Occupations



Postsecondary Teachers (professors)



Computer and Information Scientists and Researchers



Medical Scientists except Epidemiologists



Clinical, Counseling and School Psychologists



Biochemists and Biophysicists