

# UB/WI Newsletter

Berea College TRIO Programs

December 2003

## **UB JUST KEEPS GROWING AND GROWING! IT'S ALL GOOD!**

UB recently accepted about 25 new people into the program. Hopefully many will be at the December Reunion. After we get all the returned paperwork sorted, we will print a list of new members in the January Newsletter. If you have a friend that did not get an acceptance letter—tell them not to despair. We will be

accepting another round of new people in February or March.

This is an excellent time to apply because we have several more openings than we usually have at this time of year. Plus it's such a good way to meet some darn good people so why wouldn't you want to be in Upward Bound?!!!

LET IT SNOW! LET IT SNOW! LET IT SNOW!

### **REUNION DATES**

**December 6**

**January 10**

**February 14**

**March 13**

**April 17**

**May 8**

**Know these well and please plan to attend**

### **12/01/03—Why have a world aids Day?**

According to UNAIDS estimates there were 38.6 million adults and 3.2 million children living with HIV at the end of 2002, and during the year 5 million new people became infected with the virus. Around half of all people who become infected with HIV do so before they are 25 and are killed by AIDS before they are 35. 95% of the total number of

people with HIV live in the developing world. But HIV still remains a threat to people of all ages and nationalities.

#### *Stigma and Discrimination*

In the theme of the 2003 World AIDS day. In many parts of the world, discrimination prevents people who are known to have HIV from securing a job or caring for their families. Discrimination can cause isolation and marginalizes people who have HIV and AIDS. This can prevent people from being offered or seeking the treatment which could save their lives.

In order for HIV to be effectively tackled on an international level, efforts need to be made to

End the discrimination against people with

- HIV and AIDS.
  - Educate people in safer sex and drug use, using appropriate media.
  - Provide condoms freely to people in the developing world.
  - Provide financial and medical assistance so that people with HIV and AIDS can be treated.
- Started in 1988, World AIDS Day is not just about raising money, but also about raising awareness, education and fighting prejudice.

## UB Students get to crow-A-little

AJ—I can bench press 115 lbs and going to be letting plates by Thanksgiving.

Jennifer S.—We had a concert the other night and I messed up. We have a new choir teacher.

Andrew W.—I'm Assistant Network Administrator/Tech Coordinator of Berea High and Berea Sch. District.

Infigeeks.org

Curtis—I made all festival choir with a perfect score and awaiting the results of All-State. I made 96.9 out of 100. I am also vice-president of the Beta Club.

Lauren W.—I am working at McDonald's.

Brandi M.—I made the All-Festival. I auditioned for All-State and made a 92.2 out of 100. We don't know cut-offs yet.

Maxine—I get to try for my license this month.

Farooq—UB Rocks!

Phillip—My sister totaled her car and killed a guard rail.

Brittany M.—I gave blood!

Jason P.—My GPA is 3.2-the best I've ever had in high school!

Jonna A.—I am the next Mcdonald's employee.

Ashley M.— I'm 18.

BJ—check out Infigeeks.org

Derek—I was on the forestry team.

David P.—Our football team is 10-1, 3rd in the state and they are going all the way this year (I hope).

Doug V.—Matrix 3—great!

Michael H.—Bourbon Co. went to regional for the first time in many years.

Travis-I took the ACT.

Kristin-I saw the president, acing my college class and Williamsburg went to Playoffs.

Rebecca-I am happy college class is cool.

Susanna-I met the president, got my license, trained my last game at play-offs and completed my senior class hours.

Landon—I'm just glad to be here.

## Resa Takes ThinkQuest to Hawaii

Hello again! A few weeks ago I had the great fortune to travel to Kona, Hawaii to attend a TRIO Best Practices Training. I attended classes for 3 days and learned even more about digital cameras, editing pictures, PowerPoint, sound recording, and web design. I enjoyed both the classes and the sight-seeing around the island. During the conference, I gave a presentation on our ThinkQuest students, shared with the group about our TRIO Program, and showed Erin Johnson's and Shani Glasby's ThinkQuest site. I told them our program had four semifinalist groups, three finalists groups, and one top ten group. I also related a story to the group about a concentration camp survivor that Erin and Shani met through emailing for permission to use a poem. Because of our accomplishments, we were given a standing ovation. I believe our program had the most semifinalists and finalists of any. Those groups will be honored during a ceremony in Mississippi in the spring. As part of the conference, I created a PowerPoint about research skills and after judging, my group came in 2nd of ten groups. All in all I had a great time and am excited about next summer's ThinkQuest Center. See you then!!

Resa

## Useless trivia to fill up your brain

The king of hearts is the only king without a mustache on a standard playing card.

Every day 20 banks are robbed—the average take is \$2500.

The most popular name in the world is Muhammad.

Forest fires move faster uphill than down!

Most lipsticks contain fish scales!! Ugh

No piece of square dry paper can be folded more than 7 times!

Over 2500 left handed people a year are killed from using products for right handed people.

One in every 4 Americans has appeared on TV.

A cockroach can live several weeks with its head cut off—it dies from starvation.

A quarter has 119 grooves on it's edge, a dime has 118!

Human thigh bones are stronger than concrete.

## Counselor's Corner

### Career Spotlight: Engineering

Are you good at Math and Science? Do you like solving problems? Are you good at playing video games and using computers? Can you communicate well with others and work as a team? If you answered yes to these questions you may have what it takes to become an engineer.

*What is an engineer?* An engineer is a person who solves problems. They use scientific and mathematical principals along with experience and good judgment in order to find solutions that help people. They design, build, improve on every thing from medical equipment, bridges and Dams to airplanes and automobiles.

*How much education is needed to become an engineer?* You can begin working as an engineer with a four year degree though many go on to earn a Master's or a Doctorate.

*How much do Engineers make?* The average starting salary for most engineers with a Bachelors degree was over \$40,000 per year. Some engineers start out earning more than \$50,000 per year. Currently, more than 1.2 million engineers work in the US.

### Women in Engineering

Women now comprise 19 percent of first year engineering students. Women are attracted to the field for the same reasons as men are, it's challenging, interesting and rewarding work, pays well and is considered prestigious. Many successful women engineers work hard and still have time for families as well as hobbies ranging from gardening to world travel. Eugenia Kalnay an Environmental Engineer from the University of Maryland advises students to acquire a strong background in sciences, math, computer science and physics, most importantly, you should work in areas that you enjoy.

For more information visit [www.engineergirl.com](http://www.engineergirl.com)

### FAMOUS ENGINEERS

Did you know these famous people have backgrounds in engineering?

- Frank Capra, Film Director "It's a Wonderful Life" and Mr. Smith Goes to Washington"
- Neil Armstrong, Astronaut , the first man to walk on the moon July 20th, 1969
- Jimmy Carter, 39th President of the United States
- Herbie Hancock, Jazz Musician
- Montel Williams, Talk Show Host and Author of inspirational books
- Alfred Hitchcock, Director and Producer "Psycho", "Rear Window", "The Birds"

(American Society for Engineering Education at [www.asee.org](http://www.asee.org))

### Scholarships

Check out these places for information on scholarships for engineering students:

1. National Society of Professional Engineers [www.nspe.org/scholarships/sc-home.asp](http://www.nspe.org/scholarships/sc-home.asp)
2. SAE International [www.sae.org/students/scholarships/](http://www.sae.org/students/scholarships/)

### 3. Society of Manufacturing

Engineers

[www.sme.org/foundation/](http://www.sme.org/foundation/)

#### Top 10 College Application Mistakes

Senior year is hectic, but don't let it affect the quality of your college applications. Take your time,

pay attention to detail and plan ahead so you can meet the deadlines.

Following are some of the top responses from counselors and admissions staff who shared the

most common mistakes on college applications.

1. Misspellings – This is a big pet peeve of admissions people. If you misspell on something as

important as the application, it shows that either you don't care or you aren't good at spelling.

Some students even misspell their intended major.

2. Grammatical errors – It isn't good enough to just spell check. Proofread for grammatical

errors.

3. Forgotten signatures – Make sure you sign and date the form. Often students overlook it if it's

on the back of the form. Make sure all spaces are completed.

4. County vs. Country? Read carefully. If the form asks what County you live in, the United States should not be the answer.

5. Listing extracurricular activities that aren't – Those that make the list include sports, the arts,

formal organizations and volunteer work. Talking on the phone and hanging out with friends

don't make the cut.

6. Not telling your guidance counselor where you've applied – Let your guidance counselor

know which colleges you're applying to, and ask to review your high school transcript before

it's sent to colleges. Sometimes transcripts have errors.

7. Writing illegibly – First impressions count, so take your time and use your best handwriting. It

will make a better impression.

8. Using an e-mail address that friends might laugh about, but colleges won't – Select a professional e-mail address. Keep your fun address for friends, but select an address using your name for college admissions.

9. Not checking your e-mail regularly -- If you've given an e-mail address, the college will use it.

You don't want to miss out on anything because you didn't read your e-mail.

10. Letting Mom or Dad help you fill out your application – Admissions people know if your

parents help, whether you have two different styles of handwriting or if your admissions essay

sounds more like a 45-year-old than a 17-year-old. It's fine to get advice, but do the work yourself. (reprint from [www.act.org](http://www.act.org))

**[www.act.org](http://www.act.org)**

## **IMPORTANT DATES**

### **December**

6 (Saturday) - SAT I and SAT II offered

13 (Saturday) - ACT offered

22 (Monday) - Regular registration deadline for SAT on Saturday, January 24

31 (Wednesday) - Late registration deadline for SAT on Saturday, January 24

### **January**

2 (Friday) - Regular registration deadline for ACT on Saturday, February 7

16 (Friday) - Late registration deadline for ACT on Saturday, February 7

24 (Saturday) - SAT I and SAT II offered

Strength doesn't come from physical capacity. It comes from an indomitable will."

Mohandas Gandhi

# The Woodson Word

**Pass it on . . . Pass it on . . . Pass it on . . .  
. Pass it on . . .**

## How to Study Math and Science

Studying for math and science courses can be different than studying for other types of courses. The main thing to remember is to practice problems daily and to apply a systematic approach... (sounds like fun, huh?) The following information is from The University of Texas at Austin's Learning Center:

**Preview:** before class briefly preview the text material that will be covered in the lecture.

**Take Notes:** in class, listen actively and intend to learn from the lecture.

**Read the Text:** Read actively and read to understand thoroughly.

**Solve the Problems:** This is the most important aspect of math and science courses. Therefore, you must spend study time either working or studying the problems.

Analyze each Problem: This will help sharpen your understanding of this problem as well as aid you when you work future problems.

Prepare for Tests: If you have followed the approaches suggested above the prep time for exams should not be overly difficult.

**Berea College Admissions is sponsoring a Carter G Woodson weekend for African-American Seniors interested in attending Berea College Feb 20-22 2004. For more information you may call Sara or call the admissions office directly toll free at 800.326.5948**

### Carter G. Woodson His-story continues

After graduating from Harvard, Woodson began his career as a teacher. His real love, however, was black history. Before Woodson's time, there had been only sporadic attempts to document black history. Carter Woodson took it upon himself to fill in the gaps.

In 1915, he founded the Association for the Study of Negro Life and History, an organization whose contributions to the understanding of black life and culture cannot be overestimated. This group of respected scholars has published numerous research on black history and has fostered understanding within the black community and outside of it.

He was editor of its publication, the Journal of Negro History, for 34 years while accepting scholarly articles that revised prevailing views, particularly about slavery and Reconstruction. He was responsible for instituting Negro History Week, first observed in 1926, which later evolved into Black History Month a national observance.

A great organizer and inspirer of others, Woodson helped young scholars acquire formal training while building a grassroots base for promotion of the history of black people. Convinced that knowledge of the positive contributions of blacks to history and culture was necessary to inspire his race and gain respect from whites, he attacked the notion that some races, classes, etc., are superior to other.

Woodson also published many volumes of history, the most important including The Education of the Negro Prior to 1861 (1915), A Century of Negro Migration (1918) and The Negro in Our History (1922), which became the standard text on African-American history for many years.

If, as it is believed, ignorance is the cause of oppression, Woodson may have done more for oppressed people than anyone else. Woodson served as director of the Association for the Study of Negro Life until 1950 when he died at the age of 75.

#### **Getting In A Friend**

**We are accepting applications for the upcoming summer program. If you know someone who is interesting in applying to the Woodson Math and Science Institute, please share the following information with them:**

**What Students Do:**

- Spend six weeks on a college campus
- Increase your knowledge base in science and mathematics
- Learn from and work with creative teachers and college students with similar interest
- Discover new things about yourself and your abilities and have fun doing it
- Meet the friends of a lifetime

**Is the Student Eligible?**

- Students must be freshmen, sophomores or juniors at designated high schools
- Students must have a cumulative GPA of 2.5 and have taken at least one math and one science course with grades of a "B" or higher
- Students must be planning to major in math or science disciplines and pursue a career in these areas.

The toll free number to request an application is

1-877-987-9273