

Camp Reach Newsletter

June 2004



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JOIN US FOR THE SUMMER REUNION!

The next reunion activity for all alumnae (campers and staff) is planned for

Friday, July 30
5:00-8:30pm
and it's FREE!



5:00: Join Reach 2004 campers for dinner in Higgins House courtyard. Higgins House is behind the Campus Center.

5:45: Fun interactive games and activities.

6:30-8:30: Karaoke, back by popular demand! This will take place in the food court on the lower level of the Campus Center. Karaoke is fun for everyone— for those who love to sing, those who who want to *try* to sing, and those who love to watch other people sing!

8:30: Pick-up time, in front of Alumni Gym.

RSVP by returning the response card on page 11, OR by calling the Office of Diversity and Women's Programs at (508) 831-5819 , OR by sending an e-mail message to reach@wpi.edu by Friday, July 23. If directions are needed, please call the Reach phone number given above, or refer to the campus map on WPI's web site (<http://www.wpi.edu/About/Visitors/campusmap.html>). Sorry, we're not able to accommodate friends— only Reach alumnae.

HOPE TO SEE YOU THERE!

WHY IT'S IMPORTANT TO RSVP

We need to pre-order the correct number of meals for the dinner, and we get charged for that number, regardless of how many people show up! We also want to make sure to have enough food for everyone. So please respond to help us with these logistics!

SUPPORT FOR CAMP REACH 2004

Camp Reach— both the two-week program and all of the alumnae activities that follow— would not be possible without the support of the following corporations, foundations, and individuals who are committed to the diversification of our nation's technological workforce. Our sincere thanks for your support!

3M Company
J. Irving & Jane England Charitable Trust
Nadene Hausmann
Intel Corporation
Mercury Computer Systems

Richard M. Nicoletti, PE
Teradyne
The TJX Foundation
Anonymous Alumna
The WPI Administration and Corporate Relations

2003 Design Project Update

The Flagg Street Community Has Built Its Playground!

The efforts of a Camp Reach design team were brought to fruition in April when the Flagg Street community gathered together for its playground construction day on April 17. The organizing committee was able to meet its fundraising goal of \$25,000 thanks in part to the field day last September that was designed by Camp Reach participants. The design team also developed a recess rotation scheme for each grade and class at Flagg Street School to ensure equal access to the playground. After the playground construction was complete, a ribbon-cutting ceremony and celebration was held on April 26.



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Congratulations to all of the engineers on the Flagg Street team whose hard work and creativity will have a lasting impact on the Flagg Street School and the surrounding neighborhood: **Megan Beaver, Tori Bonazoli, Kayla Carreau, Gilixsa Herrera, Shannon Ludy, Brittany Murphy, Megan Roy, Kelsey Sterczala, Amber Taylor, Amanda Wrigley.** Staff members: **Christina Kach, Alissa Paquette, Lindsey Woodhull, and Julie Guerin.**



After the ribbon cutting, Megan and Kelsey pose with Mr. Hippert, Principal of Flagg Street School. The plaque he is holding, which is on permanent display at the school, acknowledges important contributors to the playground effort and includes WPI Camp Reach Engineers.

"The field day was such a successful launch of our fundraising efforts, and it wouldn't have been possible without the Camp Reach engineers."

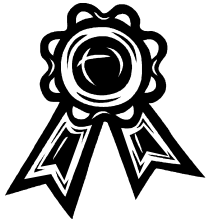
—Stephanie Blaisdell, on behalf of the Flagg Street Community Playground Initiative Committee

American Red Cross of Central Massachusetts Moves Into Its New Headquarters

A 2003 Reach design team made recommendations to the Central Massachusetts chapter of the American Red Cross regarding audio/visual needs and opportunities in the training classrooms of its new facility, which was then under construction. Construction was completed this spring, and the Red Cross moved into its new home in late May. Lisa Piehler, Executive Director of the ARC Central Massachusetts chapter, wrote to us recently: "I have not forgotten you! We have all been out straight with packing, moving, unpacking and getting settled." She will be in touch with us soon regarding a gathering in the new building, so that last year's team can see the results of its hard work!

Henry Lee Willis Family Care Program

Another 2003 Reach design team developed a plan to convert a multipurpose room at the Henry Lee Willis Family Care Program into a dedicated computer lab and study area for their foster care clients. Carpenters were scheduled to start work installing the desk countertops in late April. Unfortunately, there was a delay and setback when there were some emergency situations at some of the Center's other facilities, including a fire at one of their halfway houses. Resources to address those emergencies took precedence, so the computer lab project has been delayed temporarily. They'll let us know soon when they can begin work again!



An Award for Camp Reach

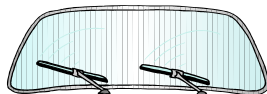
Camp Reach received one of two Honorable Mention recognitions in the 2004 Building the Future Award Program administered by the Society of Manufacturing Engineers (SME) Education Foundation and the National Youth Program Council (NYPC). A total of 18 nominations from 11 states and Canada were received. Michigan Technological University Youth Programs was the award winner, and the Expanding Your Horizons in Science and Mathematics program sponsored by the Math/Science Network at Mills College in Oakland, CA received the other Honorable Mention. Camp Reach will be recognized along with the other award winners at the SME Annual Meeting and in various award announcements, and aspects of our program will be disseminated among best practices in engineering education outreach. The award letter states: "One aspect of your program that especially impressed the NYPC was the follow-up activities, reunions, and newsletter." !!

Reach Gatherings: Ice Cream and Inventors

In February, more than 30 Reach alumnae and staff gathered for our winter reunion. After swimming in a warm pool, everyone cooled off by making ice cream with liquid nitrogen. Most would agree it wasn't as good as Ben & Jerry's, but it sure wasn't bad! We also had fun seeing how inflated balloons react to the very cold temperature of liquid nitrogen.

In March, several Reach alumnae (**Amelja Kukli '02**, **Amanda Kristoff '98**, **Christina Ouellette '02**) along with Chrys and Stephanie attended "Forgotten Women and Their Unforgettable Ideas," an entertaining presentation by Ethlie Ann Vare, author of several books on inventions by women: *Mothers of Invention* and *Patently Female*. This event was part of Women's History Month at WPI. We learned that women invented all of the following:

- Cotton gin: Although most history books have credited the invention of the cotton gin to Eli Whitney, it's now known that Catharine Littlefield Green led the effort and that the design was her idea. Vare writes: "In spite of her free spirit, putting her name on a patent application was unthinkable to a pre-nineteenth century woman of her class."
- Windshield wipers
- Cordless phones



- Paper bags
- Drip coffeemaker ("Melitta" comes from her name, Melitta Bentz!)
- Carpet sweeper (the Bissell brand carpet sweeper is named after the inventor, Anna Bissell)
- Laser cataract surgery
- Disposable diapers
- The first Mars Rover (1997), named Sojourner Truth
- The cure for childhood leukemia
- Kevlar, a polymer fiber that's used in bulletproof vests and all sorts of sports and recreational equipment, was invented by a Dupont Chemist named Stephanie Kwolek.
- The chocolate chip cookie
- Maritime signal flares
- Bette Nesmith Graham, a single mom working as a secretary, invented "Liquid paper", or "white-out" in 1951. She got the idea from her love for painting. Why not paint over a typing mistake? Voila! By 1979, her Liquid Paper Company was producing 25 million bottles a year, and Bette had earned almost \$50 million!
- And thousands more!





FOCUS QUESTION

We asked: Have you ever been teased in school for being smart or working hard, particularly in math and science? How did that feel, and what advice do you have for handling the situation?

Here's what Reach alumnae said!

Sarah Rich ('98,TA'03): At Mass. Academy, there is no way someone would make fun of you for being smart, since everyone is. However, one of my friends recently told me that back when we started junior year, before we really knew each other, he had assumed I wasn't smart. This was because I worked hard at my school work, and he assumed the only reason someone would do this is because they needed to in order to do well. Later, he learned that just because you put effort into your school work doesn't mean you are stupid.

Megan Roy ('03): I've been teased before in math and science. Whenever I do extra credit someone will say that I already have an A average, why do I even need extra credit? Or stop being so smart, or even just saying "smarty" in a teasing way. Teasing like this usually doesn't bother me... it's kind of like the people are complimenting you in the only way they know how... teasing.

Nicolette Schlichting ('98,TA'03): I don't ever remember being teased in school for being smart or working hard. Camp Reach really helped boost my confidence in regards to being smart so if anyone ever did say anything, I just disregarded it and con-

tinued to work hard for my grades. For the most part, all of my peers and teachers are very supportive of smart girls (the top 5 in my graduating class are all girls!) My advice to anyone who has been teased is to ignore it. If someone feels that they need to pull you down, then obviously they are just jealous of your intelligence and are looking for a way to make themselves feel better. If the teasing gets to a point where it is unbearable, tell a teacher or someone else at school that you trust and let them help you handle the situation. Never stop working hard because of something that someone else says; every girl that has ever attended Reach has so much potential and only needs to believe in herself to do whatever she wants!

Lindsey Woodhull (TA'02,'03): Some of my friends do tease me, even now, about choosing to go to a technical school for college. However, I just remember that I made the choice for me, not for anyone else. What I want to do is study engineering, and I'm not going to change what I want to learn about because someone else has a different opinion of engineering than I do. It's important to do what you want to do, not what someone else is pressuring you



Staff and Projects for Reach 2004 in Place!

Again this year we have assembled a terrific group of TAs, MSTs, and RAs who become the heart of the Reach program, and many of the TAs are Reach alumnae! Congratulations and thanks to the following alumnae who will be serving as TAs: Caitlin Connor ('99), Allie Hoch ('00), Carolyn Purington ('00), Jessica Stevens ('99), and Samantha Wilner ('99, returning from 2003). They will be joined by Meenal Datta, Kara Potter (returning from 2003), and Liz Zamora.

Middle School Teachers (MSTs) will include Robin Belisle, an 8th grade science teacher at Tantasqua Regional Junior High; Melissa Kapeckas, a 6th grade science teacher at Thurston Middle School in Westwood; and Karen Shenette, a middle school math teacher in the Shrewsbury school system.

We are thrilled to be collaborating with three terrific non-profit organizations in the Worcester community who will be sponsoring this year's design projects: Hope Lodge (American Cancer Society), the Regional Environmental Council, and the YWCA of Central Massachusetts. Watch for details in the next newsletter!

Class and Staff News



Class of '97

Aimee Hart (TA'01,'02): Well, my life has completely changed since a year ago. I now attend the United States Coast Guard Academy, which is rated I believe somewhere within the top five or ten as the best engineering schools in the nation. I plan on majoring in civil engineering, which finds an application to the Coast Guard through different missions such as repairing lighthouses, buoys, designing towers and buildings around the Coast Guard stations, and making these structures self-sufficient through solar and wind power. The courses have been challenging as have been the military obligations but I'm enjoying it immensely. Over the past year I also ran cross country and swam on the Academy swim team which was a lot of fun.



Right now, as a part of our summer session, I am interning on a 225 foot Coast Guard cutter, the *Cypress*, which is also called a buoytender. As this name suggests, the boat's main priority is to make repairs and replace them. While living on this boat for 6 weeks, I will be experiencing all the various departmental jobs that the enlisted have on board including the engineering department which maintains the 2-diesel engines, generators, all electric devices, and a number of other services for the ship. Without the engineers, the boat would be literally motionless—yet another example of how vital engineers are to every job description. After next week, I will be spending the next five weeks on a the Coast Guard's famed tallship, the *Eagle*, which is a 298-foot sailing ship. We'll be meeting in Charleston, SC and be going to Bermuda, Boston, Newport, RI, and New London, CT. I have enjoyed the summer very much so far and am looking forward to the rest of it.

If anyone has any questions about the Coast Guard or the Academy and what it really is... besides a "lifeguard service," which is a common misinterpretation, please feel free to either visit the Coast Guard's site at <http://www.uscg.mil/USCG.shtm>, visit the Coast Guard Academy site at <http://www.cga.edu/>, or email me at ahart_26@yahoo.com with any questions. There are really many opportunities for engineers in the Coast Guard as well as all the armed forces.

I miss seeing everyone and hope that everyone is enjoying or soon to enjoy the pleasures of summer vacation. Good luck to all those starting the college search or are anticipating their first fall semester in college!

Jenelle Pope (TA'01,'02): This past year was my first at WPI. It was a lot of work, but a ton of fun! I played field hockey, was part of the FIRST Robotics Team, a member of the Social Committee, the Girls Night Out planning board, and I joined a sorority! It was crazy at times, but there was always something to do, most of the time it was homework.



Erin Young (TA'02): I've just finished my freshman year of college and can't wait until the new school year starts! I'm even going back to school early so I can train to be a peer academic leader, which means that I'll be helping freshmen to pick classes and showing them around during orientation. Also, next year I will be working as a Head Chemistry Tutor with my school's Academic Resource Center. Currently I'm taking summer classes at Tufts to try to get ahead and lighten my course load for next year. In addition to that I'm working at the Center for Engineering Education Outreach (CEEO) at Tufts and working on developing engineering camps for middle schoolers. Hope everyone is having a great summer!

Class of '98

Congratulations to all the high school graduates in our Reach Class of 1998!



Amanda Kristoff writes: I graduated this year from St. Peter-Marian. I am going to Fairfield University in the fall to study Software Engineering. This year was very busy, between preparing for graduation, getting into college, applying for scholarships and getting a new job, I still managed to find time to enjoy my senior year. This summer I will be going with a group called Young Neighbors in Action to San Antonio to work with young kids at a summer camp for a week. I'm very excited for this summer and to start college in the fall. Congratulations to the Class of 2004!

Sarah Rich (TA'03): I will be going to MIT in the fall, and am planning on majoring in some type of engineering, although I'm not sure which kind. Going to Reach in sixth grade and also being a TA there definitely helped influence my decision. This summer I am interning at a biochemistry lab.

Nicolette Schlichting (TA'03) writes: I can't believe that I am going to be graduating this weekend (June 12). It seems like just yesterday that I was a camper at Camp Reach! I really enjoyed second semester of senior year because of all the fun activities (also senioritis kicked in so school suddenly became much easier!). Next year, I will attend Tufts University, which

(Continued on page 8)



Spotlight on Industrial Engineering

Excerpted with permission from the April 2004 issue of *Pre-Engineering Times*, edited by Celeste Baine. You can get your own FREE subscription to their on-line newsletter by going to <http://www.engineeringedu.com/petimes.htm>.

Maybe you've never heard of Industrial Engineering? In the Camp Reach program, we've never had an industrial engineering activity. (There are so many different types of engineering that we can't address them all!) Industrial engineers figure out how to improve everything. They work with people to help them do things better. ***Industrial engineers see the big picture and focus on what makes a system perform efficiently, safely, and effectively to produce the highest quality.*** Industrial engineers save employers money by streamlining systems, often making the workplace better for employees too. They improve productivity and quality while saving time and money.

From the name, you might think that industrial engineers work in manufacturing plants. Some do, but industrial engineers work in all types of businesses and organizations. They also apply their special skills in hospitals, banks, insurance companies, or government agencies. Major employers of industrial engineers include corporations such as Microsoft, Boeing, Disney, Intel, and Nike.

As an industrial engineer, you may...

- Participate in the long-range planning and facility design for a major transportation company.
- Design the admissions procedure at a hospital or health institution
- Discover a new way to assemble a product that will prevent worker injury.
- Train workers how to operate new equipment.
- Use software programs to analyze equipment maintenance requirements.
- Write proposals to justify the purchase of new equipment for a manufacturing facility.

Career Tracks in Industrial Engineering

While most industrial engineers choose to work in a manufacturing setting, you may choose to apply your industrial engineering skills in a variety of settings. Here are just a few examples:

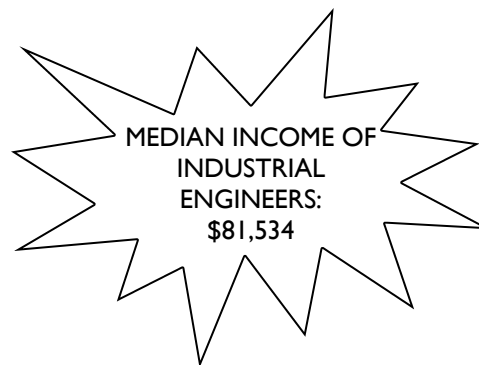
- As a management engineer in a hospital, you could help doctors and nurses make the best use of their time in treating patients. You may also design procedures for optimum use of medical facilities to help bring the cost of healthcare down.
- As an ergonomist in a television manufacturing plant, you may change the tools workers use to assemble televisions to reduce the risk of repetitive stress injuries.
- As an operations analyst for an airline, you may design a bar coding system for identifying and transporting passengers' luggage to ensure that it does not get lost.
- As a quality engineer for a public gas and electric utility company, you may improve customer satisfaction by designing a process to schedule service calls around the availability of the customer.
- As an industrial engineer for the government Centers for Disease Control and Prevention (CDC), you might analyze and recommend how to most efficiently vaccinate a large population of people in the event of an infectious disease outbreak.

Skills and Qualities Beneficial for Industrial Engineers*

- Good math skills
- Strong time management skills
- Mechanical aptitude
- Good common sense
- Strong desire for organization and efficiency
- Excellent communication and salesmanship
- Creative problem solving
- Quantitative skills
- Technical competency
- Continuous drive for improvement
- Resourcefulness
- Listening skills
- Negotiation skills
- Diplomacy
- Patience
- Ability to adapt to many environments, wear many hats, and interact with a diverse group of individuals
- Inquisitive mind
- Continuous desire to learn
- Leadership skills
- Ethics
- Passion for improvement

DO THESE SOUND FAMILIAR?

**From the Institute of Industrial Engineers (IIE) website:
<http://www.iienet.org>.*



Engineering the Human Body

A special section of the *Boston Globe* (February 23, 2004) identified the “renovation of the human body” as a growth industry. Here are some fascinating examples of advancements in medical devices, implants, surgery, pharmaceuticals, and biotechnology. You can bet that biomedical engineers are involved in all of them!

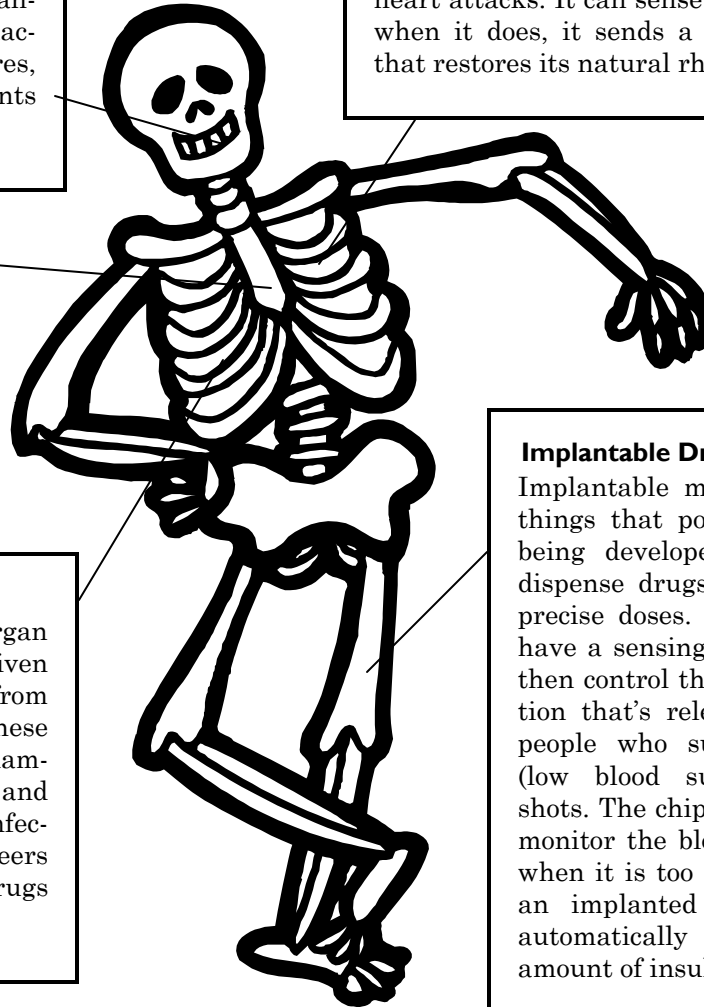
Growing Replacement Teeth

Tissue engineering is being used in an attempt to grow living teeth. It's possible that in another decade instead of replacing lost teeth with dentures, we'll use real replacements grown from our own cells.

Implantable Heart Defibrillators

These devices, smaller than a deck of cards, are implanted in patients who are at risk of heart attacks. It can sense a heart attack, and when it does, it sends a shock to the heart that restores its natural rhythm.

Artificial hips and knees are now fairly routine. But in the not-too-distant future **artificial hearts, veins, vertebrae, and livers** may be just as common!



Anti-Rejection Drugs

When patients receive organ transplants they are also given drugs that prevent the body from rejecting the new organ. These drugs, however, can inflict damage on the kidneys and liver and leave the body exposed to infections. Pharmaceutical engineers are working to develop new drugs that lessen these side effects.

Implantable Drug Delivery Devices

Implantable microchips (the same things that power computers) are being developed to automatically dispense drugs inside the body in precise doses. The chips may also have a sensing function which will then control the amount of medication that's released. For example, people who suffer from diabetes (low blood sugar) need insulin shots. The chip could automatically monitor the blood sugar level, and when it is too low send a signal to an implanted pump that would automatically deliver the correct amount of insulin.

Robot-Assisted Surgery

Engineering advances in robotics, imaging, and computer and control systems have made robot-assisted surgery possible. In an increasing number of surgical procedures, surgeons don't move surgical instruments using their hands. Instead, they sit at a console next to the operating table, see an image of the patient's organs, and use joysticks similar to those used in video games to perform surgical tasks. This process is known as tele-manipulation. Robotic arms inside the patient then mimic the surgeon's motions. The slight shaking in the surgeon's hands can even be removed! While at first it may seem that this is taking the “personal touch” away from surgery, it is much less invasive than traditional surgery because of the smaller size of the robotic arms and imaging system compared to a surgeon's hands. With smaller incisions there is less trauma and pain for the patient, and faster recovery times.

More Class and Staff News

(Continued from page 5)

is just outside of Boston. I can't wait to become a Jumbo (that's the school mascot)! The college application process was pretty tough. A few words of advice to the upcoming seniors: start your applications early!!!!...and commonapp.org is one of the most wonderful websites ever invented!!!! As to my summer plans...I am supposed to be getting a job, but I have been avoiding this because I would like to spend a few weeks in New York and New Jersey with all of my relatives. I am looking forward to the reunion and getting a chance to see everybody again!

Mary Kate Toomey will be attending WPI this fall and plans to major in civil engineering. She writes: "Reach was among the best two weeks of my life. I had fun and it really cemented that I wanted to be an engineer." She also recalls: "In eighth grade we did an experiment similar to one at camp with slight variations and somehow the groups were split up into one all girls group and three all guys groups and the girls had the most success."

Allison Winacoo writes: I graduated on June 12th from Wachusett and I'm attending BU in the fall. This summer, I'm working and taking summer classes.

Sofia Wronski: This fall I'm heading off to the University of Pennsylvania. I'll be studying to be a nurse. I am very excited about it, and am totally ready to take on the ivy league experience. This summer I'll be working at Old Navy at the Greendale Mall. Then I leave for school July 31, because I'll be attending a pre-freshman program at Penn. Here, I'll take a couple classes that will count towards my credits, get to know the campus before the other freshmen, and get to explore Philadelphia. My Camp Reach experiences live with me still today, as I remember how it started getting me on the track to success.

Class of '99

Gillian Murphy writes: This has been my junior year at Burncoat High School. It was definitely one of the toughest years for me. My classes were tougher and expectations were higher, but everything all worked out. I had a lot on my plate, I was on the school's varsity cross country team, was a part of varsity dance team, and ran the 2 mile for indoor track. Plus I have been taking dance class six days a week. As for college stuff, I'm still not exactly sure of where I want to go and what do in college but that's what this summer is for. I have been jumping



around a history and a physical therapy major as of now. I plan on visiting some more colleges this summer to get a better idea of what they have to offer.

On some other notes I am still dancing! Either I am crazy or obsessed but I am still hanging in there. This was my 10th year in Performing Art's School of Worcester's annual production of the Nutcracker, but other than that I haven't had many performances with my dance school. However, I am a part of Burncoat's Dance Dept. and we performed for several times for the area elementary schools in a dance productions of Seussical and Grease. Just recently we were able to go to New York and take dance classes there which was real eye opening.

This summer I will be going to the Cape for a bit, training with the cross country team (I'm going to be captain next year!), but otherwise you can find me scooping up yummy Friendly's ice cream on Lincoln St.



Sam Wilner (TA'03): This was my first year at Mass Academy, so I enjoyed meeting a lot of new people and making new friends. I also loved swimming with the Wachusett swim team even though I did not attend Wachusett Regional High School. Over the past year, I won a third place award at the Massachusetts State Science Fair and I received the Smith Book Award for excellence in academics. Besides lifeguarding this summer, I will be going to Ecuador for three weeks. I will stay with a host family and attend Spanish classes at a college in Quito, Ecuador. I will also be a TA at Reach again, so I hope to see everyone at the reunion!



Class of '00

Carolyn Purington writes: This year I've been busy with school as well as singing for 2 school choruses, sports and volunteer work. My family is going on a trip to Mexico after school gets out. I am very excited to be a TA at Camp Reach this summer. In the fall, I will start Mass. Academy at WPI. That's all that is new with me!

Class of '01

Abby Cooney writes: I started high school and it has been a blast. One of the great things was that two of my fellow Reach campers were there with me, and one is in 5 of my classes! I entered the Science Fair (my first one!) with a project of "The absorbant efficiencies of different materials and how they affect ultraviolet exposure." This summer I am going to a 3 week camp at Yale and taking abnormal psych and

Mandarin Chinese. Can't wait for school to get out!

Nitya Durvasula writes: This past year I went to a public school, Algonquin Region HS, after being at a private school, Worcester Academy, for the last 3 years. It's a big change, but I've gotten used to it now, and I really like my new school. This year, I doubled up on science, so I took Biology and Chemistry. And next year, I'm taking Physics and Physiology. I tried out for the JV Football (boys) team at my school because there isn't a girls team, and I made the team. So, that's exciting since I'm obsessed with football, lol. This summer I don't have any really big plans (no travelling), but I'm going to be studying for my SAT II's in October (Bio and Chem) and getting ready for football!



Class of '02

Brittany Garrett writes: I attended an awards ceremony in June because my friend and I were picked as two New Hampshire "scholar leaders." I am also involved in soccer for Manchester United and we have a tournament for Father's Day. Wish us luck! This summer, I plan to go to California and Arizona each for a week and a week or two for soccer camp.

Amanda Griffin will begin her freshman year in high school at the Francis W. Parker Charter School in Devens, MA in September. She plans to work babysitting this summer to help earn airfare for the ski trip she will be taking next winter with her class to

Davos, Switzerland. She competed in downhill ski racing at the New England Piche Ski Championship Races at Gunstock Mountain this winter. She also volunteers as a rock climbing instructor at the Burroughs YMCA in Westboro. She enjoys indoor as well as outdoor rock climbing in various New England



locations.

Emily Langille: It's been a very busy year for me this year. I played field hockey outdoor/indoor and also was elected president of my class and just recently finished my speech for graduation. I also stayed busy with the drama club at my school and was honored to play Rosie this year in our production of ByeBye-Birdie. Right now I'm finishing up a mural that I am working on at school in art as a tribute to my grade the class of 2008, and I also got voted nicest eyes in the yearbook! Its been a long year and I glad summer's finally here! See everyone at the reunion!



Annie MacNeal: This summer I plan to be a "PA" at

Girl Scout Camp for two weeks. I am also being a counselor at VBS (Vacation Bible School) in NY. I am going to work on my silver award for Girl Scouts this summer, too. I also plan to go camping at the ocean for a week.

Class of '03

Tori Bonazoli is going to Scotland this summer!

Shannon Ludy writes: I'm going to camp, then to Lockport, NY with my youth group to work on houses for people who are too old, are unable to work on them themselves. Then going down south to West Virginia, for a wedding, and spending most of the summer down there with my family.



Katie O'Koren writes: I really didn't have anything very interesting happen in school this year but I did receive Perfect Attendance. Also, this year I went on my first plane ride to Baltimore. It was lots of fun and I don't know what I'm doing over the summer.

Megan Roy writes: I made the Central Mass junior district band for trombone and my friend and I won the funniest act award at our school's talent show. This summer I plan to play volleyball, basketball, do crew, and keep up with soccer. I really like my new school. This was my first year in a

public school and it was a good experience for me. There are so many extra kinds of activities like a whole class dedicated to computers and an after school jazz band, which I joined. I found that joining bands helps to group alike people and do what you love to do - play music.



Bekah Wheeler writes: During this school year at Murdock I played field hockey, basketball, and was on swim team. I really enjoyed all of these sports. Throughout the entire school year I got high honors on all my report cards. During the summer I plan to vacation at Vermont, Maine, and Washington, D.C.

Staff

Kristden Cornaire (MST'03): After spending 7 months with my mother in NY I have been hired to teach 8th grade science at Shrewsbury Middle School. This summer I am waitressing at Dino's restaurant on Plantation St. and will be teaching a science enrichment program through the College Gate Academy in Maynard. Hope all is well!

Anna Foss (RA'02): I have been busy in the last year

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finishing up school but I haven't forgotten about Camp Reach! After graduating from WPI in May I got a job in Nashua, NH at a company called Tera-dyne. It's great and there are lots of women in Engineering!

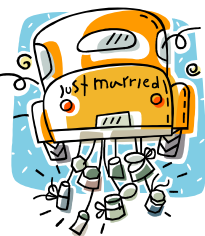
Julie Guerin (MST'03): I am now teaching at Tantasqua Junior High School in Sturbridge as an art teacher. It is my dream job and things have been going very well. Just like everyone else, I am ready for summer fun! This is the first summer that I will not have a second job since I began teaching. My husband and I purchased a very tiny beach cottage in Dennis, MA on Cape Cod. We plan on spending lots of time working on the cottage and enjoying the beach. I hope all is well with everyone.

Sara Hicks (TA'00,'01): I just finished my undergrad degree at Merrimack College. This past year was amazing but flew by! I will start a Masters program this summer in Student Affairs in Higher Education at IUP (Indiana University of Pennsylvania). While working on my Masters I will be a Residence Hall Director at St. Vincent College in nearby Latrobe, PA. Every time I drive by WPI I am reminded of the memorable two Reach experiences I had!! Best wishes for this summer!!

Kara Potter (TA'03) writes: Hi everyone, I hope that you all had a really great year in school, I know I am very excited to start my senior year. Lately my focus has been on looking at colleges, and preparing application materials. Also, for the past 8 months I have been working on a design project where my challenge was to design a new high school. I have FINALLY finished the project and I will soon be presenting my design to the school committee and the building commission as a possible design for a new high school that may be built in our town, who knows maybe someday I'll actually be able to walk through my design. I will be coming back to Camp Reach this summer as a TA, so I hope that I will get to see you all at the reunion!! Have a great summer and I hope to see everyone soon.



Amanda (Kight) Muller (RA'01) writes: I have big plans for the summer--I'm getting married! Campers from 2001 may remember my boyfriend Paul, and after 4 years together, we're tying the knot on June 19. After that, it's off to a honeymoon in Jamaica! All of this will be a nice respite from my work towards a Ph.D. in Electrical and



Human Factors Engineering, but when I return to our new home in Dayton, Ohio in July, I'll be back in the lab. I hope you are all pursuing your dreams and reaching your fullest potential, and I look forward to hearing about all of your post-REACH adventures!

Lindsey Woodhull (TA'02,'03): I just graduated from Medfield High School! I will be attending Rensselaer Polytechnic Institute in the fall to study biomedical engineering. Even though I am sad about leaving all of my high school friends, I am very excited to be going to college to study engineering. This spring has been very busy for me. I coached a seventh grade girls soccer team, and I have been working at an ice cream place in my town. Also, my Destination Imagination team placed second at our state tournament, which was held at WPI. Because of this, we were able to represent Massachusetts at the Global Finals in Knoxville, Tennessee during the last week of May! We had a lot of fun and we met many other students from around the country and the world.

Career Options with an Engineering Degree

Did you know that people with degrees in engineering don't always pursue careers as an engineer in industry? An engineering education builds skills in problem solving and analysis that are valued in a variety of professions and that provide lots of flexibility for career changes in today's technical world.

Following are some of the many career options that someone with an engineering degree might pursue:

- Peace Corps Volunteer
- Lawyer
- Professor or Math/Science Teacher
- Doctor or Dentist
- Veterinarian
- Sales Manager
- Marketing Director
- U.S. Military Officer
- Web Designer
- Video Game Designer
- Museum Curator
- Environmental Consultant
- Financial Analyst
- Lighting or Sound Designer for films or theatre
- College Administrator
- Technical Writer or Journalist
- FBI Investigator
- Politician

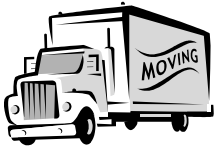
VOLUNTEER OPPORTUNITIES WITH REACH

Many of you have community service or volunteer requirements to fulfill during the school year. Or maybe you're just interested in helping out with Camp Reach! We can always use assistance in preparing these newsletters! Specifically, we would welcome writers for "stories" regarding engineering- and technology-related topics that are of interest to you. The next newsletter will be prepared in November and December and may have an environmental theme. If you are interested in helping, contact Chrys!

Did You Know? There's a Link Between Gender Diversity and Better Corporate Performance!

Findings of a study released in January showed that Fortune 500 companies with a higher representation of women in senior management positions financially outperform companies with proportionally fewer women in leadership positions. The study was conducted by *Catalyst*, a non-profit advisory and research organization.

We want your new postal and E-MAIL addresses!



If you move: Please take a moment to contact us, either by phone, letter, or e-mail. We very much want to keep in contact with everyone!

AND if you get access to e-mail or change your e-mail address or screen name please let us know so we can update our e-mail list!

This allows you to get announcements of Reach events as soon as they are known, as well as other useful postings (typically no more than one per month).



There is an easy form you can use on the Reach website to submit changes in postal and e-mail addresses. The Reach website is <http://www.wpi.edu/+reach>, and the change of address form is in the Alumnae section.

Response Card for the Summer Reunion Friday, July 30, 2004

Remember to save the front page of this newsletter so you remember the details of time and location!

Yes, I plan to attend the reunion!

Name: _____

Reach Year: _____

Please cut out this response card and **return by Friday, July 23** to:

WPI Camp Reach
Office of Diversity and Women's Programs
100 Institute Rd.
Worcester, MA 01609

OR call us at (508) 831-5819

OR e-mail reach@wpi.edu

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