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President:
Chris Tippett

Vice President:
Sonya Reiser

Secretary:
Laurie Valaer

Treasurer:
Aspen Obering

CSR Representatives:
**Lori Stucky and
Sandy Thwaites**

THE SWE-RMS ELECTION RESULTS ARE IN!

The results of the SWE-RMS election of officers for FY2008 are shown below. There were 26 returned valid ballots.

Congratulations to our slate of officers for the coming year. I hope all members of the Rocky Mountain Section will step forward and support our officers. Remember the quilting bees and the barn raisings of long ago. Working together, each doing our part, makes for a fun time and a great new year.



President : Chris Tippett
Vice-President: Sonya Reiser
Secretary: Laurie Valaer (accepted the position as a write in candidate)
Treasurer: Aspen Obering
Council of Representatives: Lori Stucky and Sandy Thwaites

NEW SWE-RMS EMAIL DISTRIBUTION LIST

Submitted By: Heather Doty

SWE-RMS has migrated its email list to a new server hosted by SWE HQ. If you have been receiving section email since early June, you are subscribed to the list. Please send all subscription requests to owner-swe-rms@swe.org.

Unfortunately, the new server is having issues with the Comcast and

AOL email addresses that I have not been resolved. If you would like to supply an alternate email address, please send the information to owner-swe-rms@swe.org. You can likely set up a free email account through services such as gmail, hotmail, yahoo or others and set up automatic forwarding to your preferred email address to get around the fact that comcast

and aol appear to block email from the SWE server, or you can try contacting your service provider to see if you can get the issue resolved.

THE SWE-RMS NEWSLETTER TO TRANSITION TO AN ONLINE FORMAT!

For each issue, starting in January 2008, an email with a link to the newsletter will be sent to the SWE-RMS email list unless otherwise requested. If you prefer to receive a hardcopy of the newsletter please respond by November 15, 2007 to sandra.wiese@gmail.com or send a letter to SWE-RMS at P.O. Box 260692, Lakewood, CO 80226-0692 .

The electronic newsletter can always be found at: www.swe-rms.org Click on the "Newsletters" button on left

SWE-RMS NETWORKING NIGHTS

South Denver Networking Night

Submitted By: Laurie Valaer

Join us for August's SWE-RMS South Denver Networking Night on Tuesday, August 21st!!!

This is a fun, informal get-together with fellow SWE members and women engineers. There is no cost to attend, except for the cost of your food and drinks.

For August, we'll also be including a discussion around SWE National Conference Planning. We want review the available sessions and meetings so that we can hit the high points of the conference and bring some great information back to the section.

South Denver Networking Night Details

Discussion Topic: **SWE National Conference Planning**

When: **Tuesday, August 21st at 6:00 pm**

Where: **Rock Bottom Restaurant & Brewery**

1001 16th Street #A-100

Denver, CO 80265

Phone: (303) 534-7616

(this is on the northwest corner of 16th and Curtis)

Please RSVP by COB on 8/17/07 to laurie@spiraloflife-coach.com or lvalaer@hotmail.com.

North Denver/Boulder/Longmont Networking Night and National Conference Planning

Submitted By: Heather Doty

Join us Wednesday, August 22nd at Gordon Biersch at Flatiron Crossing from 6:00 to 8:00 pm. Cost based on your own food and beverages. RSVP by Monday, August 20 to heather.doty@swe.org so that I can make reservations. We'd especially like to see you if you are attending the national conference in Nashville, TN October 25--27 so the section can coordinate session attendance to make the most of this great event for the section.

"I like to define networking as cultivating mutually beneficial, give-and-take, win-win relationships... The end result may be to develop a large and diverse group of people who will gladly and continually refer a lot of business to us, while we do the same for them."

- Bob Burg, *Endless Referrals*

PEACOCK OF THE WALK

Taken from Gazette.com

Why, hello there! Surely you know me — or you've heard of me, at least? You haven't? Huh. Perhaps you've seen my blog, where I write about my thoughts (brilliant, obviously) and my manifold accomplishments.

Hey, aren't we friends on Facebook? Sweet. Then you saw that I updated my profile to include a quote from my boss, who said I'm "smart, funny and ambitious." I'm really good at a lot of things, actually. Including, of course, self-promotion. So, let's talk.

There is a reason the word "shameless" is so often paired with "self-promotion": We are taught that bragging is bad, and self-promotion is regarded as, well, bragging.

Or is it?

Modesty is endearing, sure, but is it always the best approach? Perhaps some peacockery is needed to get what we want. That's certainly the case on the campaign trail and in the boardroom, where success hinges on our ability to splay our feathers, but also in the dating world, where a little strut may be just the charm.

But what's the secret to pulling it off? Is it a matter of subtlety or simply confidence? And if we can make the case that self-promotion is necessary, why are so many of us uncomfortable with tooting our own horn?

"There's nothing wrong with self-promoting," says Sam Solovey of Washington, who was on Season 1 of NBC's "The Apprentice," vying for the tutelage of Donald Trump. "If you don't do it, no one else is going to do it for you."

Indeed.

"Modesty: the gentle art of enhancing your charm by pretending not to be aware of it," — Oliver Herford.

If we're taught at an early age to be humble, perhaps it's because talent and success seem self-evident. Johnny is the starting center midfielder on the soccer team? He's a great player. Kate gets straight A's? Yeah, she's quite the student. Jane was the lead in the school play? We know; we saw.

With a school structure based on student performance — tracked through class rankings, test scores and multi-tiered sports — we've grown up believing that such measurements speak for us. "When you're in school, they assess you all the time, and you never necessarily have to put yourself forward," says Carol Dweck, a psychology professor at Stanford University and author of "Mindset: The New Psychology of Success" (Random House, 2006), which examines how people's self-conceptions guide their behavior.

Dweck and her colleagues conducted a study in which fifth-graders were divided into two groups. After taking a relatively easy test, half of them were praised for their intelligence, the other half for their hard work. Dweck found that telling children how smart they are is, in essence, a false promise.

"It's saying you can just sit here with your brains and talent, and success will come," Dweck says. "In real life, you've got to go out and self-promote. In the real world, how are people going to know about your abilities unless you tell them?"

Logically, we need to become better self-promoters the moment we leave the familiar, which for many begins with college admissions.

"It puts on students the responsibility of figuring out how to present themselves to people whom they're never going to know," says Nina Marks, owner of Marks Consulting, a college-admissions counseling firm in Bethesda, Md. "It's so much easier if they can sit across the table from the ad-

missions committee and read some signals — but they don't ever get to meet them."

Without cues to guide them, many students try to present themselves as some ideal they think colleges want, Marks says, creating a discord that ultimately hinders their case. In today's hypercompetitive environment, "we get this message that our accomplishments need to be as unique and as extraordinary as possible," she says. "We're so tired of reading about saints and victims in the college process."

Disingenuousness flops because, let's face it, how can you self-promote when it's not the real you? So, when one student wrote an essay about how training her puppy taught her patience and persistence, instead of how she represented Uganda at a Model United Nations conference, admissions officials loved it.

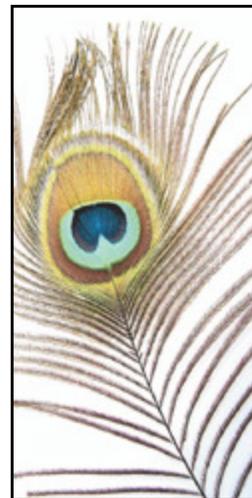
"It's got to be authentic," Marks says. "It's got to feel right to you."

Still, although it's important to be true to yourself, it helps to take into account how you'll be perceived. When another student titled her essay "All About Me," Marks promptly nixed it.

"She was very confident and actually a great person, but she didn't have the sense of how somebody who didn't know her might look at that title and think, 'That might be a little self-absorbed.'"

"It's hard to be humble when you're as great as I am." — Muhammad Ali

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PEACOCK OF THE WALK

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The need for self-promotion in job interviews is indisputable. After all, you're there for one reason: to sell yourself.

But how do you do that when there's a thin line between confident and cocky? The balancing act is tricky, and to teeter toward immodest is to risk alienating people.

Experts say the best way to work around this is — surprise! — to show, rather than simply tell.

"I'd much rather hear 'I achieved this and really enjoyed it' than 'I'm great at this,'" says

Anne Jones, director of career management at Georgetown University's McDonough School of Business. "Then it's not so much self-promotion, it's just making things clear."

One mistake that interviewees make, she says, is offering up bits of self-promotion that are irrelevant and not necessarily valuable to a company. But if you can use unusual experiences to demonstrate traits the employer is looking for, all the better. For instance, one student played pro basketball in Europe — a tangential experience that, told alone, might sound like bragging. But when mentioned as evidence of his capacity for quick decision making and working with a team, the detail made him a memorable candidate.

Of course, the need for self-promotion doesn't end at the interview. Say you get the job. Then what? Do you work hard and wait to be noticed?

"You get what you demand, not necessarily what you deserve," says Mikell Valterra, author of "Why Women Earn Less: How to Make What You're Really Worth" (Career Press, 2004). "You've got to learn to toot your own horn."

"I'd much rather hear 'I achieved this and really enjoyed it' than 'I'm great at this,'"

When it comes to playing up what you're worth, it's easier said than done. In a 2002 study that examined the starting salaries of students graduating from Carnegie Mellon University with master's degrees, only 7 percent of the women negotiated for more money, compared with 57 percent of the men. The students who negotiated increased their starting salaries by an average of 7.4 percent, or \$4,053.

For many women (and men, too), the hesitancy to fight for what they're worth is rooted in a fear of inconveniencing people. Asking for a raise, after all, requires your boss to reconfigure the budget or to haggle with superiors on your behalf.

"It's the 'good girl' syndrome: 'I want everybody to like me,'" Valterra says. "But people that make good money are not afraid to stick up for themselves, and they're not afraid to rock the boat."

So, Solovey, the "Apprentice" candidate, had it right: Ultimately, no one else can promote for us.

"Every day we're selling ourselves," says Solovey, who never became Trump's lackey — he was fired in the show's third episode. "People are secondarily buying the product — they're buying you and your beliefs and what you present."

TIPS FOR SELF PROMOTION

List — and review — your accomplishments. Don't prattle on. Increase your visibility. Focus on the positive. Practice sharing your achievements.

TEST YOUR PROMO KNOW-HOW

Curious about how you stack up as a self-promoter? Take this quiz to find out.

1. When it comes to your business cards, you:

- A. Hand them out only when asked.
- B. Distribute them to most everybody you meet.
- C. Offer them to people with whom you've conversed and might like to follow up. If they don't want the card, they can throw it away later.

2. At the end of a job interview, you're asked whether there's anything else you'd like to add. You:

- A. Smile, thank the interviewer for meeting with you and reiterate your interest in the job.
- B. Tell her you know you've got the smarts and the experience to be a great asset to the company and that you're really excited about this job possibility.
- C. Mention that you'd read in the job description that the company was looking for leaders, and offer a few anecdotes that demonstrate your leadership skills.

3. You've just discovered an award that you're eligible for, but you need to be nominated. You:

- A. Hope someone will realize that you deserve it and nominate you.
- B. Nominate yourself. So long as you're a contender, who cares who does it?
- C. Go to your closest friend and ask him to nominate you.

4. Seems as if everyone has a blog these days. You've thought about starting one and decided:

- A. No way. It'd probably seem egotistical. Why assume that other people care to read my thoughts?
- B. Absolutely! It'll be a great forum for talking about my accomplishments. Now I just need a glamorous head shot.
- C. It could be fun — and, done right, it could be a good way to get noticed.

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PEACOCK OF THE WALK

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5. You've just wrapped up a year-long group project, and now it's time for your annual review. You stress:

- A. How great your team was: Your successes were really part of a larger group effort.
- B. All the great ideas you single-handedly conceived and executed. Although you always do impressive work, you must say that you really outdid yourself this time.
- C. How great it was to collaborate with your colleagues and that working in a group really highlighted your ability to manage people effectively and lead the

project to completion.

6. Your role model for self-promotion is:

- A. Rodney Dangerfield.
- B. Donald Trump.
- C. George Clooney.

WHAT'S YOUR SELF-PROMOTION QUOTIENT?

Mostly A's: Why are you holding back? A self-effacing nature can be endearing, sure, but speaking up for yourself isn't a bad thing and will probably help you get what you want.

Mostly B's: You certainly project confidence, which can be good; just be aware of how others react. If they seem

miffed by your assuredness, then self-promotion may land you in the back seat.

Mostly C's: Balance is good; you know how to assert yourself without alienating people. Even so, remember that there are times when the middle ground is too much or too little — instances when a little more humility might be in order, or when some bragging might help you along.

CONGRATULATIONS TO JILL TIETJEN

Taken from the Georgia Transmission Corporation newsletter

Jill Tietjen Named Distinguished Alumna at UVA

The University of Virginia has named GTC board member Jill Tietjen its 2007 Distinguished Alumna. UVA chose Tietjen in recognition of her support for women who pursue careers in engineering and technology.

Tietjen is one of the first 10 women to graduate from the university's school of engineering and is president and CEO of the engineering consulting firm Technically Speaking, Inc. She has spent her career in the electric utility industry. A former national president of the Society of Women Engineers, she frequently writes and speaks about the changing leadership roles of women in technical fields. Tietjen recently established a new program under which selected engineering undergraduates tackle a global engineering problem. She has served on the GTC board of directors since 1997.



*Jill Tietjen
Outside Director
GTC Board of Directors*

BILL RITTER ISSUES HONORARY PROCLAMATION TO ENGINEERING LICENSURE

Submitted by Chris Tippett

Bill Ritter, Colorado Governor, issued a proclamation on June 26, 2007 honoring 100 years of engineering licensure in the United States.

Honorary Proclamation



BILL RITTER, JR.
GOVERNOR

100TH ANNIVERSARY OF ENGINEERING LICENSURE IN THE UNITED STATES

WHEREAS, in 1907, the State of Wyoming passed the nation's first engineering licensure law, requiring that all who practiced engineering were licensed, and beginning a nationwide trend soon followed by the other 49 states; and

WHEREAS, throughout 2007, the National Council of Examiners for Engineering and Surveying (NCEES) will celebrate the 100th anniversary of the introduction of this historic legislation; and

WHEREAS, the NCEES helps develop, produce, and score the Fundamentals of Engineering examination and the Principles and Practice of Engineering examination – part of the licensing process for engineers – and maintains model guidelines that promote uniform licensing procedures nationwide; and

WHEREAS, the NCEES facilitates mobility of licensed engineers among jurisdictions, and encourages students to consider careers in engineering and pursue licensure; and

WHEREAS, the State of Colorado recognizes NCEES on the 100th anniversary of the first engineering licensure laws, and appreciates all that NCEES has done to license engineers throughout Colorado;

Therefore, I, Bill Ritter, Jr., Governor of the State of Colorado, do hereby proclaim the

100TH ANNIVERSARY OF ENGINEERING LICENSURE IN THE UNITED STATES



GIVEN under my hand and the Executive Seal of the State of Colorado, this twenty-sixth day of June, 2007

Bill Ritter, Jr.
Bill Ritter, Jr.
Governor

XCEL ENERGY POWER PLANT TOURS

Take a field trip with us to see a wind farm that helped place our green pricing program first in the nation for customer participation. Learn how a pumped storage hydroelectric plant works, and how power plant emissions have been cut 70 percent with state-of-the-art technologies.

Ponnequin Wind Facility and Fort St. Vrain Station
(Departs from downtown Denver, full-day, includes chartered bus ride and lunch*)
August 17, 8 a.m. - 4 p.m.

Tour two very different facilities in one day. Our Ponnequin Wind Facility and Fort St. Vrain Station. Located in Platteville, Fort St. Vrain was the first nuclear plant in the United States to be decommissioned. The plant has been re-powered as a natural gas-fired facility and can generate up to 737 megawatts - three times as much as during its history as a nuclear facility.

Cherokee Station
(Two hours) August 24, 10 a.m. - 12 p.m.

In northeast Denver the Cherokee Station <http://www.xcelenergy.com/XLWEB/CDA/0,3080,1-1-1_1875_4797_4010-3665-2_171_256-0,00.html> is one of Xcel Energy's largest power plants, using low sulfur coal and with a generating capacity of 717 megawatts. One megawatt of fossil fuel generation can serve the electricity needs of about 1,000 residences. Special air emissions controls were installed as part of our voluntary Denver Metro Emissions Reduction Plan. Cherokee Station participates in a new Denver Water program that reduces the use of fresh, raw water from the South Platte River.

Register for a Tour

To register for a tour, please call (303) 294-2788 or send email to Barbara Hamblin <<mailto:Barbara.Hamblin@xcelenergy.com?subject=Power%20Plant%20tour%20registration>>. The generating stations are industrial facilities. A tour can involve heights, stair climbing and walking over grates. We recommend casual clothing and flat, comfortable shoes (no sandals), and a jacket for Ponnequin and Cabin Creek. You may be provided with special equipment, such as eye and hearing protection and a hardhat.

*For tours to Ponnequin, Fort St. Vrain, Cabin Creek, Wind2H2/NREL, there is a charge of \$15 for those subject to Amendment 41. Payments will be accepted upon arrival.

CABPES EVENT SUMMARY

CABPES Engineering Day A Success!

Submitted by Laurie Valaer

On Saturday, April 7th, SWE-RMS supported the Colorado Association of Black Professional Engineers & Scientist (CABPES) in the facilitation of a half day event to inspire middle school girls and raise their interest in math, engineering, science, and technology, as well as introduce them to the variety of programs that CABPES makes available for students.

We had 9 girls signed up for the event and 4 great activities for those who attended to participate in. We want to thank our volunteers for the great job they did! Kristy Stokke facilitated an activity introducing the girls to the challenges of programming a microprocessor. Jennifer Trotta led the girls in an activity around static electricity. Kari Kubista introduced the girls to the concepts of friction. And Laurie Valaer followed friction with a rather messy activity on lubrication!

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Ponnequin Wind Facility located in Northern Colorado, just south of the Wyoming border and east of I-25.



Cherokee Station is located just north of downtown Denver.



Friction Fun at CABPES event.

2007 GREAT WOMEN IN ENGINEERING ESSAY CONTEST RESULTS

Submitted by: Sonya Reiser

The results of the 20th annual "Great Women in Engineering and Science" essay contest are in! This year's essay contest was sponsored by the Xcel Energy Foundation. The competition was fierce again this year with a total of 157 entries from 11 schools in Colorado. A panel of 17 volunteer judges enjoyed reviewing all of the essays. Congratulations to every entrant!

The winners were announced at the Award Banquet and who won what. 1st place: Molly Brandt - \$500 savings bond, 2nd place: David Bjorklund - \$250 savings bond, 3rd Place: Bryce Grant - \$150 savings bond.

Molly Brandt of Holyoke, Colorado for her essay on Sally Ride 20th Century American Astronaut. Molly attends 6th grade Holyoke Elementary School and was sponsored by teacher Ms. Andrea Edwards.

David Bjorklund of Grand Junction, Colorado for his essay featuring Sally Ride 20th Century American Astronaut. David attends 6th grade at Bookcliff Christian School and was sponsored by teacher Mrs. Brown.

Bryce Grant of Grand Junction, Colorado for his essay on Eileen Collins, 20th Century American Astronaut. Bryce attends 6th grade at Bookcliff Christian School and was sponsored by teacher Mrs. Brown.

School Awards: This year seven schools will receive the school library award for outstanding participation in the essay contest. To qualify for this award, a teacher must submit essays from at least 20% of the 6th graders in her/his class. The award this year is *Changing Our World: True Stories of Women Engineers* by Sybil E. Hatch (2006). The books provide information on women engineers and scientists. This excellent reference will support teachers and classrooms in future research, not only for this contest, but also for other scientific, historical or biographical projects.

The aim of the school library award is two-fold: to supply 6th graders throughout Colorado and Wyoming with research materials, and to encourage teachers to include the essay contest in their curricula in order to expose all of their students to the significance and the opportunities of various science-related careers. The schools receiving awards this year are:

Bridge School of Boulder, Boulder, CO

Saint Joseph School, Fort Collins, CO

Notre Dame Catholic School, Denver, CO

Byers Elementary School, Byers, CO

Aurora Hills Middle School / Summit Academy, Aurora, CO

Holyoke Elementary, Holyoke, CO

Bookcliff Christian School, Grand Junction, CO

Honorable Merit Awards: Ten students will receive Honorable Merit Awards this year. This year's merit prize is a science kit from DiscoveryKids™. The Honorable Merit award recipients are:

Troy Echer	Notre Dame Catholic School
Kristy Nguyen	Notre Dame Catholic School
Aaron Rios	Notre Dame Catholic School
Lauren St. John	Notre Dame Catholic School
Knisely Sautel	Notre Dame Catholic School
Nic Crossley	Colorow Elementary
Cecelia Frisinger	Saint Joseph Catholic School
Kellie Gadenken	Resurrection Christian School
Logan Shirley	Bookcliff Christian School
Ashley Vicent	Bookcliff Christian School

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2007 GREAT WOMEN IN ENGINEERING ESSAY CONTEST RESULTS

(Continued from [previous page](#))

Honorable Mention Awards: Twenty students will receive Honorable Mention Awards this year. The award for Honorable Mention this year is *Mistakes That Worked: 40 Familiar Inventions and How They Came to Be* by Charlotte Foltz Jones (1991). The Honorable Mention award winners are:

Karen Williams	Byers Elementary School
James Minnick Jr	Byers Elementary School
Jessica Green	Byers Elementary School
Tyler Danner	Byers Elementary School
Holly Burnham	Saint Joseph Catholic School
Madalyn Gudenkauf	Saint Joseph Catholic School
Kaelin Trippe	Saint Joseph Catholic School
Hunter Robinson	Saint Joseph Catholic School
Tucker Clay	Saint Joseph Catholic School
David Ruth	Bookcliff Christian School
Erika Hoffman	Bookcliff Christian School
Selena Gonzales	Notre Dame Catholic School
Mary Carpenter	Notre Dame Catholic School
Devin Rumsey	Notre Dame Catholic School
Samuel Harry	Notre Dame Catholic School
Samantha Gonzalez	Notre Dame Catholic School
Kaming Quan	Notre Dame Catholic School
Brittany Truong	Notre Dame Catholic School
Ryan Cooper	Aurora Hills Middle School
Brianna Maldonado	Aurora Hills Middle School

All participants receive a certificate of participation and a Great Women in Engineering Essay Contest t-shirt. Announcements of the contest results will be featured in the Your Hub section of the Denver metro newspapers, as well as in the hometown newspapers of the top three prizewinners. Also enclosed are the students' original essays.

The Society of Women Engineers is a national organization of women and men who support the growth of women's roles as engineering students and professionals. One of the society's missions is to "inform young women, their parents, counselors and the general public of the qualifications and achievements of women engineers and the opportunities open to them." We hope the contest served to heighten your students' awareness of these opportunities, and that it was a fun learning experience, as well. Thank you for your participation. We look forward to reading more of your students' essays next year!



Register
Now.
1.877.SWE.INFO

October 25-27, 2007
Women In Tune With Technology
Nashville Convention Center

For additional information and to register online visit <http://www.swe07.org/>

2007 SWE-RMS SCHOLARSHIP WINNERS

Submitted by Barb Kontogiannis Mary Ann Tavery

2007 Freshman Scholarship Winners

The freshman scholarship winners were chosen this year from 45 applicants representing 39 different Colorado and Wyoming high schools. The most popular predicted field of study for the applicants is Chemical Engineering, followed by Biomedical Engineering. Over 80% of the applicants plan to attend a university in Colorado or Wyoming.

Laura Dempsey, \$500 SWE-RMS Scholarship

Laura is graduating at the top of her class from Poudre High School in Fort Collins. She will be attending the University of Pittsburgh, planning to study Bioengineering. She has always been fascinated by the human body and prosthetics, daydreaming of cyborgs and super-powered mechanical limbs. It is Laura's dream to conduct research in the field of neuroscience to assist in the development of precision equipment in the areas of fingers, knees, ankles, and toes, so that no one ever has to feel limited, even when their bodies are not fully capable.

Academically, Laura exhibits great strength, with all A's in a schedule full of Advanced Placement and International Baccalaureate courses. She is also a musician, an artist and an athlete. She plays violin in various orchestras, has participated in track, and her artwork has been displayed at several shows and competitions.

Laura's work at a CSU research laboratory last summer brought her intellectual and artistic talents together. She ran several complex genetic experiments, producing useful results, and also drew a beautiful series of pictures illustrating controlled pollination and pistil collection that the lab is using to teach new researchers.

Cyndi Kopetzky, \$500 Miner & Miner Scholarship

Cyndi Kopetzky is graduating first in her class from Wiggins Jr./Sr. High School, and will attend the Colorado School of Mines where she intends to study Chemical Engineering. Cyndi would like to make a difference in the world, and is interested in becoming a chemical engineer either to develop alternative fuel production, or conduct research to find cures for diseases such as Parkinson's or Alzheimer's. She believes as a chemical engineer she can positively impact people, the environment, and the economy.

Cyndi's academic record is very impressive, with the most A+ grades the scholarship committee has seen on a report card in over seven years! She has excelled in Physics, Calculus and Chemistry, as most budding engineers do, and she rounds it out very well with excellence in Journalism, Business Education, History and Government.

Cyndi is very involved in her school and community. She is a class officer, a varsity volleyball player, a sound technician for the drama department, and plays the saxophone in the concert band, to name a few of her activities. She is also very active in the Future Business Leaders of America (FBLA), and Family, Career, and Community Leaders of America (FCCLA). She is a leader in the classroom and out, holding an office in just about every club or activity she has been a part of.

One of Cyndi's teachers writes that Cyndi's desire to become an engineer makes perfect sense. "Engineering is an equal mix of technology, science, business, communication, and interpersonal skills. Cyndi represents that balance perfectly."

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2007 SWE-RMS SCHOLARSHIP WINNERS

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2007 College Scholarship Winners

Three college scholarship winners were selected this year from fifteen very strong candidates, representing Colorado State University, Colorado School of Mines, University of Colorado, and the University of Wyoming. The applicants represented a wide variety of disciplines, including Petroleum Engineering, Environmental Engineering, Architectural Engineering, Computer Science, Electrical Engineering, and Metallurgy & Materials Engineering.

Rebecca Theresa Johnson, \$1000 Pioneer Scholarship

Rebecca completes her second year in May 2007 at the University of Wyoming majoring in Architectural Engineering and achieving a 3.87 GPA. Upon graduation, she would like to provide housing for those who cannot afford it, through her own firm or connecting larger firms with lower income people.

In her essay, Rebecca mentions that reading Ayn Rand's *The Fountainhead*, the copy marked with pencil citations from her father, brought her to engineering. She relates to the protagonist, Howard Roark, and his passion for architecture. She wants to be able to look at a stretch of land and think, "These rocks...are here for me; waiting for the shape my hands will give them" (Rand 16).

Engineering runs through Rebecca's family for three generations, so she may have the engineering gene. She is enthused with mathematics, problem solving, and the sense that engineers make a difference in our daily lives.

Rebecca has worked as an intern for Bates Engineering where she was exposed to engineering fundamentals through computer-aided drafting, project meetings, and site visits. Outside of here studies, Rebecca is actively involved in the Pastoral Council and Catholics on Campus, associated with the St. Paul's Newman Center at the University of Wyoming.

Lauren Netherton, \$1000 Lottye Miner Scholarship

Lauren is finishing her third year at Colorado State University, majoring in Electrical Engineering, maintaining a GPA of 3.45 and a ranking of 15 out of 73 in her class. She would ultimately like to use electronics and biomedical engineering to create products that can improve the quality of life for physically challenged individuals.

Lauren is struck with how people in many countries have equal footing in the global business community through the use of e-mail, computer networks, teleconferencing, and educational achievements in emerging countries like China and India. These technologies and opportunities have enabled job outsourcing and the off-shoring of entire countries overseas. This phenomenon has been referred to as "flattening" as discussed in Tom Friedman's book, *The World is Flat*. Lauren plans to use this flattening phenomenon in her future career by using technological tools to collaborate and connect with others to find the best solution to a problem.

Lauren has been a participant in Agilent Technologies co-op program, a selective program with fewer than 2% of applicants receiving job offers. In her first assignment, she created a curriculum and lab manual to teach undergraduate electrical engineers how to use oscilloscopes. The lab manual received positive reviews from both Agilent and their academic partners, and is now a key component of Agilent's program.

Outside her studies and work, Lauren participates in SWE as Secretary and in fund raising activities. She, also, mentored elementary and middle school students in an engineering club sponsored by the Women and Minorities in Engineering Group.

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2007 SWE-RMS SCHOLARSHIP WINNERS

(continued from [previous page](#))

2007 College Scholarship Winners (continued)

Allison Gehrke, \$1000 Dorolyn Lines Scholarship

After receiving a B.S. in Telecommunications and Film, and a M.S. in Telecommunications, Allison is pursuing a PhD in Computer Science at the University of Colorado at Denver Health Sciences Center where she has achieved a GPA of 3.8.

While Allison was studying for her M.S., she was hired as a software engineer at MCI. At the time, she had some practical programming experience, but no formal education in computer science. At MCI, she was part of a design team that implemented architecture for an automated voice response platform that was a complete paradigm shift in MCI's normal development and operation. What used to take six months could now be accomplished in two weeks. Some developers feared they were coding themselves out of a job. However, the opposite occurred. The ability to do the core business more efficiently opened doors for new initiatives and job opportunities. Allison realized then she wanted to pursue an advanced degree in computer science.

The collaboration of computer and biological sciences is known as bioinformatics or computational biology. In this relatively new discipline, Allison is interested in biomimetics, research in how living organisms solve problems and apply those principals in computational methods. In parallel, she wants to use computational methods to solve biological problems.

Allison currently volunteers with the IEEE Denver section to encourage pre-college students to pursue careers in engineering. She wants to help girls identify and overcome artificial barriers that may keep them from studying the sciences and engineering. Allison is also motivated to work with the IEEE program to increase the number of US students trained in science, technology, engineering, and mathematics to maintain the country's competitive strength in the global marketplace.

A huge Thank You to all of the 2007 Scholarship Judges: Lisa Clarke, Aspen Coombs, Diana Dede, Sandra Herhold, Andrea Keough, Juliet Kissel, Sallyanne Ofner, Nancy Peck, Mary Petryszyn, Kristin Ramey, Sally Rautio, Tricia Schwaller, Emily Skalsky, Kristy Stokke, Chris Tippet, Lisa Walker, Sandra Wiese, Christi Wisleder, and Cynthia Woempner-Martin

WELCOME TO OUR NEW SWE-RMS MEMBERS!

We'd like to welcome our SWE members NEW to the Rocky Mountain Section:

March

Christine T Mollenkopf, Boulder
 Douglas Neam, Boulder
 Amy B. Newbury, Boulder
 Karl James Pendergast, Boulder
 Sarah L. Rickard, Golden
 Stephanie Selina Ruybal, Greenwood Village
 Janelle M. Wadas, Golden

April

Joseph D. Girard, Boulder
 Angela Christine Hall, Westminster
 Sarah Ghiazza Herron, Englewood
 Lisa Jean Hewitt, Boulder
 Kimberly K. Mulder, Arvada
 Michelle R. Narciso, Longmont
 Tamara A. Nichelson, Aurora

The above data is compiled from reports pulled from data maintained on SWE's online directory. The city listed above is from the Preferred Address listed in the directory. If you have any questions on the information listed above, or there are any errors, feel free to contact me at Kristin.Ramey@swe.org

CELEBRATION OF CULTURE AND DIVERSITY

Agilent Technologies, Inc. a valued and long time sponsor of SWE Pikes Peak Section would like to invite you to attend:

Celebration of Culture and Diversity - August 18

To demonstrate and celebrate the many contributions different cultures already bring to our community, the Colorado Springs Diversity Forum presents:



Featuring:

- Performances – Diverse and cultural dance & music
- Cultural food and crafts – sold at booths
- Information Booths – share & encourage participation in diverse and cultural organizations
- Beer tent
- Cooking demonstrations
- Children's activities

Location: Acacia Park, City Auditorium, the City's Show-mobile, Bijou and Kiowa streets between Nevada and Weber, and Weber Street between Bijou and Kiowa.

Agilent Technologies is a sponsor of this event. Please forward this information to all those who may be interested. Thank you for your continued support.

CABPES EVENT SUMMARY

(continued from [page 7](#))

The girls enjoyed the day, had a great lunch, and got many questions answered. CABPES Executive Director, Francie Miran, was very pleased with the success of the program and is interested in hosting more of these events in the future and she looks forward to working with SWE-RMS to facilitate them.



Students learning about static electricity at CABPES event.

SWE-RMS AWARD ANNOUNCEMENT FOR 2008

Submitted by Joan Graf

Rocky Mountain Section is announcing an award program for 2008. Please review the new award information and consider members/non members for these awards for next year. There will be a nomination process- watch for it and the deadlines in 2008.

Awards Info

General Requirements – All SWE-RMS members are eligible for each award unless the award has specific requirements. Nominees must demonstrate outstanding contributions to be eligible. Contributions must be above and beyond the regular duties of officers and committee chairs.

There is also a non SWE-RMS member award.

Award recipients would receive:

- Recognition at the annual SWE-RMS awards banquet
- Recognition in the newsletter
- Letter sent to their work manager
- Certificate

Awards are not required to be given annually if no one fits the criteria.

Awards

Career Guidance Award

This is presented to a SWE-RMS member who has made an outstanding contribution to Career Guidance within the section for the current fiscal year. Nominees will be judged based on the significance of the achievements cited on behalf of the nominee and the impact of these achievements on the SWE-RMS Career Guidance programs. Examples – developed a new program or an expansion of an existing program.

Professional Development Award

This is presented to a SWE-RMS member who has made an outstanding contribution to Professional Development within the section for the current fiscal year. Nominees will be judged based on the significance of the achievements cited on behalf of the nominee and the impact of these achievements on the SWE-RMS Professional Development programs. Example – assist members with expansion of professional information using new tools, techniques or a new program.

Membership Award

This is presented to a SWE-RMS member who has made an outstanding contribution to increasing and enhancing membership within the section for the current fiscal year. Nominees will be judged based on the significance of the achievements cited on behalf of the nominee and the impact of these achievements on the SWE-RMS Membership programs.

Fund Raising Award

This is presented to a SWE-RMS member who has made an outstanding contribution to the finances of SWE-RMS during the fiscal year by creative fundraising. This is not intended for recognizing the person who designated the most money, but the person who put the most creativity and effort into raising funds for our section. Nominees will be judged based on the significance of the achievements cited on behalf of the nominee and the impact of these achievements on the SWE-RMS fund raising activities.

Communicator Award

This is presented to a SWE-RMS member who has made an outstanding contribution to communication within SWE-RMS during the current fiscal year. Nominees will be judged based on the significance of the achievements cited on behalf of the nominee and the impact of these achievements on the SWE-RMS Communication activities.

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This is presented to a SWE-RMS member who has made a strong contribution to national SWE activities during the current fiscal year

SWE-RMS AWARD ANNOUNCEMENT FOR 2008

(continued from [previous page](#))

National Contributions Award

This is presented to a SWE-RMS member who has made a strong contribution to national SWE activities during the current fiscal year and has been an outstanding representative for the section at the national level. Nominees will be judged based on the significance of the achievements cited on behalf of the nominee and the impact of these achievements on the national level. Nominations must include a letter of recommendation from a national officer or committee chair who is familiar with the nominee's work at the national level. Individuals may receive this award only once.

Technical Award

The Technical Award is presented to a SWE-RMS member who has been actively engaged in engineering and demonstrated outstanding technical accomplishment. Participation in technical societies is highly desirable. Letters of reference should come from:

- nominating society member
- someone familiar with the nominee's engineering experience

Nominees will be judged based on their technical achievements.

SWE - RMS New Engineer Award

This award is presented to a SWE-RMS member with less than 10 years of experience who has made outstanding contributions to the field of engineering, the SWE-RMS section and other community activities. Nominees will be judged based on 40% engineering contributions, 40% SWE contributions and 20% other community activities. Nomination must include a resume and must demonstrate progressive engineering work and SWE responsibilities.

Newcomer Award

This award is presented to a SWE-RMS member who is new to the section or newly active in the section and has made an outstanding contribution to the section during the current fiscal year. Nominees will be judged based on the significance of the achievements cited on behalf of the nominee and on the contributions of the nominee to the Rocky Mountain Section. This can include a person who has taken on a committee chair or officer position in their first active year in the section or other similar responsibility.

Superior Supporter Award

This award is presented to a NON-SWE member who has made a superior contribution of time and effort to help with a SWE-RMS during the current fiscal year. Nominees for this award must be nominated by a SWE-RMS member. Nominees will be judged on the significance of the achievements cited on behalf of the nominee and on the contributions of the nominee to the section. This is not intended for financial or in-kind contributions as those should always be provided 'thanks' and recognition.

Watch for more information on these awards and the nomination process.

If you have any questions on these awards, please contact Joan Graf at grafji@msn.com or Jackie Schirmer at jackie.schirmer@wgint.com.

Newsletter Sponsor

We thank Washington Group International, Inc., for their support in printing and mailing the SWE-RMS newsletter.

Society of Women
Engineers

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View the SWE-RMS
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mation on events and programs
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*Note, to unsubscribe send an
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Bulletin Board

No postings this month.

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Awards	OPEN	

Calendar of Events

For complete details, directions, and more, visit the RMS website calendar

Aug. 13, 2007	Celebration of Culture and Diversity, 10 a.m. to 6 p.m. at Colorado Spring's Acacia Park, City Auditorium
Aug. 21, 2007	South Denver Networking Night, 6 p.m. at Rock Bottom at 1001 16th Street #A-100, Denver
Aug. 22, 2007	North Denver/Boulder/Longmont Networking Night at Gordon Biersch at Flatiron Crossing from 6:00 to 8:00 p.m.
Oct. 25–27, 2007	SWE National Conference, Nashville, TN
Feb. 29-Mar. 1, 2008	SWE Region i Conference (Univ. of Colorado, Boulder, CO)
January, 2008	SWE-RMS Newsletter transitions to an online format

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