



# Southern Exposure

COPE News

April 2008

## REMINDERS

### COPE/ASCE LUNCH MEETING

Thursday, June 5,  
2008 at 11:30 a.m. in  
"The Tavern" at  
Rosario's.

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## APRIL MEETING – STUDENT NIGHT!

Tuesday, April 1, 2008

Giacomo's Restaurant

910 U.S. Hwy 50 West, Pueblo

The top two regional MATHCOUNTS teams from Craver and Salida Middle Schools as well as the top seven individual students in our Southeastern Colorado area MATHCOUNTS competition held last month on February 23<sup>rd</sup> were invited to compete in the Colorado State competition on March 8<sup>th</sup>. They will be joining us for our dinner meeting this coming Tuesday, April 1<sup>st</sup>. We'll all have an opportunity to personally congratulate them on their achievement.

Also coming on Tuesday evening to present their Senior Projects are Engineering and Engineering Technology Students from CSU-Pueblo.

GROUP #	DESIGN TEAM	PROJECT TITLE	OWNER/LOCATION
1.	Kyle W. Ninness Nathan V. Shawcroft Jamie L. Vigil	Design of Hydraulic System to Enhance Supply of Irrigation Water	Mr. Mark Anderson (Salida, Colorado)
2.	Jessica M. Gross Robert H. Pettit	Design of a Bridge for a Park Trail	U.S. Forest Service
3.	Josh Matthews Scott Dickerson Sean Cannon Katie Cline Brett Ford	2008 IEEE Robotics Competition Robot Design	CSU-Senior Project

**Meeting Schedule:** 6:30 p.m. Meet and Greet (cash bar); 7:00 p.m. Business Meeting & Dinner Orders; 7:15 p.m. Student Presentations (20 minutes each, including questions); 8:15 p.m. Dinner

## ELEVENTH ANNUAL GOLF EXTRAVAGANZA!

by Ed St. Clair

The 26th of April is fast approaching! And with it, comes the "11th Engineering Golf Extravaganza," sponsored by COPE. Members of the golf committee are feverishly contacting businesses for hole sponsorship and door prizes. A few teams have already signed up, but we need more. Help us get individual and/or team players and notify Val or Kim at ESL, 543-7722. Hole sponsorships are a mere \$100; and greens fees (playing fees) are \$65. It's a great bargain, and a fun filled day. The Extravaganza will be held at Walking Stick, starting at 8 am, Saturday, 26 April 2008. Ed and the course pro, Dave, have done an Indian Rain Dance, and the weather promises to be good! WE NEED YOUR HELP on Saturday, April 26th from 7 am until about 1 pm. Please contact Ed or Val, and let us know if you can help. Tournament helpers will be rewarded with a barbeque lunch. Early birds who can help with registration, posting signs, and assuring the tournament goes off without a hitch, will be bribed with coffee and doughnuts in the morning. Sign up to help or form a team or both!

## PRESIDENT'S CORNER

As the end of my first year as president rapidly approaches, I find that I am rushing to try to accomplish some personal goals I had set a year ago. One of my goals was to determine how to attract more engineers to COPE. I think our officers and membership have done a great job of bringing in friends and acquaintances to the organization. I plan to add another program to COPE this summer that may appeal to a different engineering crowd. The intent is to provide a less formal meeting environment with a lot lower cost. I have already talked to Giacomo's about hosting one of these gatherings on the bar side of the restaurant, and would like to find some venues in town with pool tables, dart boards, and maybe a sand volleyball pit. If you would be interested in coming to these 'meetings', scouting out a venue, or coming up with a catchy name (we used to call it "fluids lab" in college in reference to fluid dynamics class), please let me know.

### Upcoming Events:

Our COPE monthly meeting is April 1<sup>st</sup> at Giacomo's on West Hwy 50. Our program will be focused on engineering students at CSU-Pueblo who will highlight their senior engineering projects. We will honor the top MathCounts students from our area as well.

The next joint lunch meeting with ASCE (American Society of Civil Engineers) will be in May.

The 11<sup>th</sup> Annual Engineers Golf Extravaganza will be held April 26<sup>th</sup> at Walking Stick Golf Course. Proceeds from the tournament will help provide scholarship money to Pueblo area high school graduates who are pursuing engineering degrees in our State. We still need hole sponsors and teams. Contact Ed St.Clair if you are interested in helping with this year's tournament preparation, if you want to put a team together, and/or if your company is willing to become a sponsor at \$100, \$200, or \$250.

May 6<sup>th</sup> will be the joint meeting with the Pike's Peak Chapter of the Professional Engineers of Colorado. The program will be at Fort Carson and will have a focus on Army tanks. Next month's newsletter will have a lot more information on the meeting.

May 8<sup>th</sup>-11<sup>th</sup> will be the National MathCounts competition at the Denver Marriott Tech Center. The competition can be viewed on a live webcast this year.

*Rick Workentine, P.E.*

## Unity in the Engineering Profession

*by Rick Workentine, P.E., COPE President*

The fifth objective of COPE's Bylaws is: "To work toward unity in the profession". To some this may seem pretty mundane; to others this may seem like a 'pie-in-the-sky' goal. I feel very comfortable about the unity within COPE. We don't have a table of civil engineers, a table of electrical engineers, a chair in the corner for me, etc. The discussions before, during, and after the meetings are between colleagues and friends and are not tied to a discipline-specific topic.

Recent articles and letters in *PE Magazine* and a discussion thread at our recent state Professional Engineers of Colorado (PEC) meeting have asked questions that I find hard to even believe are being asked. In summary, "Who should be the organization representing professional engineers?" The alphabet soup of acronyms (ASCE, ACEC, ASME, SWE, SME, IEEE, etc) that follows the discussion would amaze even the most hardened military veteran! And the discussion of why certain organizations are the better choice has plenty of merit; however, the more we try build up any one specialized organization, the less we tend to achieve the goal of bettering our overall cause of improving the profession of engineering.

COPE is affiliated with PEC as the Southern Chapter. PEC is the State Chapter of the National Society of Professional Engineers (NSPE). NSPE is open to all professional engineers (regardless of trade affiliation, industry focus, or engineering discipline) and has national lobbyists to work on registration issues, is at the forefront in engineering focus in college engineering programs, and provides numerous educational resources for Engineers-in-Training and P.E.'s alike.

If all the engineering organizations work together with and through NSPE, all the financing, lobbyists, members, teaching experience, etc. can be used to benefit all engineers. Sounds kind of like a 1970's rally speech, but we are all trying to advance the profession of engineering. Why not work together?

Someday when I retire from the military and become less involved in COPE/PEC/NSPE, I may try to become more involved in the Colorado AIChE (Chem E's) chapter for a variety of reasons. I won't be trying to tout AIChE as the primary engineers' organization, but would like to make sure we have plenty of outreach to high school students about the great need for chemical engineers for generations to come. Apparently my recent Chem E talk to a young student encouraged him to hold off on deciding on a discipline until closer to graduation, so my talk is obviously more focused on engineering in general right now.

I think we all understand the principle of working toward the goal of unity in our profession; the challenge is in becoming an advocate.

**Bridge Building**

High School students who were entrants in the regional bridge building contest, those of which reside in the southern region town of Buena Vista, have been invited to our monthly April meeting. The distance they would have to travel to attend our evening meeting seems to be the limiting factor, but they do send their regards, and if their circumstances change, they will notify us so that we can make appropriate plans.

*by Harvey Smith, Vice President*

**Treasurer's Report**

Sept 2007 Starting Balance	\$7,569.00
07-08 Income	4,899.00
07-08 Expenses	(5,074.96)
3/28/08 Ending Balance	\$7393.04
Savings Account	\$2,727.95 12/31/07

**COPE MEMBERSHIP AS OF 3/28/2008**

Allee, Robert	Hayden, Howard	Leverington, Robert	Smith, Harv
Andorka, Mark	Hayson, Jimmie	Link, Al	St Clair, Ed
Avalos, Sonia	Healy, Mike	Malone, Jerry	Valentine, Jim
Berends, Bruce	Henderson, Dan	Marino, Kevin	Vukich, John
Biolchini, Tim	Henderson, Val	Maroney, Dennis	Werme, John
Bloxsom, William	Hunt, Florence	Matthews, Josh	White, Mark
Brown, William (Bill)	Jones, Mary Clara	Meyer, Jim	Witte, Matt
Carrasco, Hector	Knuth, David	Moore, Bud	Wood, Daryl
Cuppy, Michael	Kock, Kim	Moring, Jill	Workentine, Richard
DeHeart, Joe	Lee, Paige	Olson, Lisa	Zook, Fred
Ducic, Jon	Lemons, Michael	Paredes, Humberto	

“COPE would like to welcome the new members that have joined since January 1 and encourage the new members to attend our April 1<sup>st</sup> meeting so that we can all get to know them better. The new members are Robert Allee, Sonia Avalos, Bruce Berends, William Bloxsom, Howard Hayden, Michael Lemons, Josh Matthews, Jill Moring, and John Vukich. “ *by Hector Carrasco, Membership Chair*

If your name is not on this list, be sure to fill in the enclosed application and send it with your \$30 dues ASAP or call Jim Meyer, Treasurer, to confirm your membership.

**CURRENT 2007/2008 COPE SCHEDULE**

Tuesday, April 1, 2008	6:30 p.m.-8:30 p.m.	COPE Meeting at Giacomo’s Restaurant
Monday, April 7, 2008	5:00 p.m.-6:00 p.m.	COPE Executive Committee Meeting @ ESI
Saturday, April 26, 2008	8:00 a.m.-2:00 p.m.	COPE Golf Tournament at Walkingstick
Tuesday, May 6, 2008	6:30 p.m.-8:30 p.m.	COPE Meeting at Giacomo’s Restaurant
Monday, May 12, 2008	5:00 p.m.-6:00 p.m.	COPE Executive Committee Meeting @ ESI
Thursday June 5, 2008	11:30 a.m.-1:00 p.m.	COPE Lunch Meeting in “The Tavern” at Rosario’s

Check info @ pec.org for additional information on state, regional and national events.

# COALITION OF PUEBLO ENGINEERS (COPE)

## MEMBERSHIP APPLICATION

Name \_\_\_\_\_  
FIRST MIDDLE LAST

Preferred E-mail Address \_\_\_\_\_ Birth Date \_\_\_\_/\_\_\_\_/\_\_\_\_  
MM DD YY

Employer \_\_\_\_\_ Job Title \_\_\_\_\_

WORK ADDRESS \_\_\_\_\_

HOME ADDRESS \_\_\_\_\_

WORK ADDRESS \_\_\_\_\_

HOME ADDRESS \_\_\_\_\_

CITY STATE ZIP

CITY STATE ZIP

(\_\_\_\_) (\_\_\_\_)  
PHONE FAX

(\_\_\_\_) (\_\_\_\_)  
PHONE CELL

Professional Licensure (circle one) PE EI/EIT Graduate Engineer Other

Are you a current member of a State/National engineering/surveying society?

If so, which one? \_\_\_\_\_

### COPE DUES - \$30.00 annually (administrative year – July through June)

The following is a list of COPE activities. Please Check the ones in which you would be interested and/or would like more information.

Chapter Officer

MathCounts (middle school math competition)

Newsletter

Golf Tournament at Pueblo West

Other (open to suggestions)

CSU-Pueblo Scholarship Awards

Please return Membership  
Application Form to:

COPE  
P.O. Box 1841  
Pueblo, CO 81002

Coalition of Pueblo Engineers  
P.O. Box 1841  
Pueblo, CO 81002

## COPE Executive Committee 2007-2008

President:	Rick Workentine / All-Phase Environmental Consultants, Inc. (rickallphase@aculink.net)	545-0375 (w)	542-2807 (f)	719-596-3305 (h)
Vice-President:	Harvey Smith / H.E.S. Telecommunications (HarveyESmith@aol.com)	568-9735 (w)	543-0001 (f)	229-4440 (h)
Sec / Treas:	Jim Meyer / Trane Company (jwmeyer@trane.com)	585-3982 (w)	585-3808 (f)	253-0649 (h)
Director:	Mark White / Transportation Tech. Center (mark_white@aar.com)	584-0502 (w)	584-0787 (f)	543-6851 (h)
Director:	Dan Henderson / Engineered Systems Inc. (d.henderson@esipb.com)	543-7722 (w)	543-7749 (f)	545-6058 (h)
Past President:	Fred Zook / Fred Zook, Engineer (zookengr@quest.net)	545-4676 (w)	545-4568 (f)	542-4095 (h)
Membership:	Hector Carrasco / CSU-Pueblo (Hector.Carrasco@colostate-pueblo.edu)	549-2696 (w)	549-2519 (f)	544-3509 (h)
Golf Tournament:	Ed St. Clair (ramled3@comcast.net)	250-6439 (c)		545-5168 (h)
President of PEC:	Paige Lee / Engineered Systems Inc. (p.lee@esipb.com)	543-7722 (w)	543-7749 (f)	647-9123 (h)
MathCounts:	Zarela Paredes (zvidal@msn.com)	See home		547-7586 (h)
Newsletter Editor:	Val Henderson / Engineered Systems Inc. (val.henderson@esipb.com)	543-7722 (w)	543-7749 (f)	545-6058 (h)