



Southern Exposure

APRIL MEETING – STUDENT NIGHT!

6:30 p.m. Tuesday, April 5, 2011

**La Renaissance Restaurant
217 E. Routh Avenue, Pueblo**

This year’s top regional MATHCOUNTS team, Craver Middle School, as well as the top five individual students in our Southeastern Colorado Area MATHCOUNTS Competition held on February 26th, competed in the Colorado State Competition on March 12th. They have been invited to join us for our dinner meeting this coming Tuesday, April 5th.

Our program on Tuesday evening is the presentation of their Senior Projects by Engineering and Engineering Technology Students from CSU-Pueblo as follows.

“The Effect of a Synbiotic Diet on Bone Mass and Mechanical Strength in Adult Male Rates during Simulated Weightlessness” – Will Berry and Jon Berry—In cooperation with a biology professor, engineering students designed and built a device to measure the strength of rat thigh bones, in order to test the effect of different diets on loss of bone mineral density due to weightlessness.

“Digital Tea Infuser” – Marques Cordova, Josh Medina, and Peju Obalereko—Engineering students are designing and building a digital tea infuser. The user will be able to select a type of tea and the device will sense the water temperature and signal when the tea is ready to be consumed.

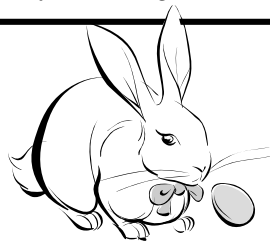
“The Rye Colorado Green Horn Creek Intake Redesign Project” – Josh Sickles, Steve Dear, and David Berg —This entails the replacement design for the City of Rye Colorado’s municipal water intake from Green Horn Creek. This involves the consideration of creek flow and structures to facilitate a newer and more reliable water supply system to the city’s reservoir.

“The Woodland Park Red Mountain Park Parking Lot” – Karl Mertens, Tiffany Moala, and Chris Miller—This project is the design of a parking lot to serve a new park being constructed in Woodland Park. The design encompasses the lot design as well as the associated hydrology.

Meeting Schedule:	6:30 p.m.	Meet and Greet (cash bar)
	7:00 p.m.	Business Meeting
	7:15 p.m.	Dinner Buffet
	7:45 p.m.	Program

Any questions about the meeting, contact Harvey E. Smith, COPE Vice President; email: HarveyESmith@aol.com; telephone (719)406-9735.

For seat count purposes, if you have not been contacted via telephone by Monday, April 4th at Noon and wish to attend, please call one of the calling committee members: Val Henderson 543-7722-h/w Jim Meyer 253-06419-h Mark White 584-0502-w



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COPE MEMBERSHIP LIST AS OF 3/28/11

Allee, Robert E	Fries, Robert H.	Lee, Paige	Pollack, John M.
Andorka, Mark J.	Gagliano, Joseph	Lemons, Michael	Smith, Harvey
Avalos, Sonia	Gilcrest, James A.	Leverington, Robert	St Clair, Ed
Berends, Bruce	Gustafson, Charles	Link, Al	Turner, Melanie
Bloxsom, William	Haemer, Frederick	Maal, Luis	Valentine, Jim
Brown, Scott C.	Hayden, Howard	Malone, Jerry	Vukich, John
Brown, William	Hayson, Jimmie	Marino, Kevin	Werme, John
Burgers, George	Healy, Mike	Mathews, Josh	White, Mark
Cabot, Perry E.	Henderson, Dan	Meyer, Jim	Witte, Matt
Carrasco, Hector	Henderson, Val	Mitchell, Anthony W.	Wolgram, Travis
Cuppy, Michael	Hunt, Florence	Moore, Larry G.	Wood, Daryl
Deheart, Joe	Jagunich, Tom	Morgan, Richard	Woolford, William
Denney, P. Paul	Johnson, William	Moring, Jill	Workentine, Richard
Ducic, Jon	Kock, Kim	Paredes, Humberto	Zanini, John

If your name is not in **bold** on this list, be sure to fill in the enclosed application and mail it with your \$30 dues to COPE, P.O. Box 1841, Pueblo, CO 81002, ASAP or call Hector Carrasco, Treasurer, to confirm your membership.

President's Message – Mark White, P.E.

The April Meeting is a time we invite students who have excelled in math and science whom we wish to reward by being our guests. Of course, the winners of the MathCounts competition are invited so they can discover the possibilities and diversity in the field of engineering. Joseph Vigil from Pueblo East High School placed 2nd (out of 48) in the NSPE-Colorado bridge building contest, and will be going to the International Bridge Building Contest in Chicago. Also coming to the meeting are the Senior Engineering Students from CSU-Pueblo. They are both our guests and the program, each giving presentations on their senior design projects. It can be a little intimidating for them so we need to provide encouragement while drawing out the details. I have attended several of these events, and I always walk away with something of interest or an experience worth the effort. Please join us in making this a special event. We need members there to make that happen.

At our March Meeting, Ms. Noelle Cochran, P.E., URS Corporation, presented a program on ethics requirements that are a part of being a Licensed Professional Engineer. Noelle is the current President of NSPE-Colorado, and just recently received an award as the 2011 Outstanding Woman in Engineering from the American Council of Engineering Companies of Colorado. Noelle was among six industry engineers who were nominated for this prestigious award which is given annually by the Council. Candidates are recognized by peers for their professional achievements in the engineering profession and who are visible role models for young engineers. We want to thank her for the program, and congratulate her on receiving the award.

Our meeting on May 3 will be a field tour of the Vestas Towers America Plant located south of Pueblo. Tour will start at 5:00 p.m., with dinner to be at their cafeteria facility. They are requesting that we bring standard PPE for field activities, which includes a hard hat, steel toed shoes, safety glasses, and a florescent vest. There will be some extra PPE, but the steel toed shoes will be limited. This will be a joint meeting with the Pike's Peak Chapter of NSPE-CO.

Slate of Officers for this Fall

We will be voting on Officers at the April Meeting to serve for the next 2 years. The following slate has been recommended by the Executive Committee. Additional nominations will be taken from the floor prior to the vote.

President – Dan Henderson, ESI Consultant
 Vice President – Anthony (Tony) Mitchell, LB Foster
 Secretary / Treasurer – Joshua Mathews, TTCI
 Director, NSPE-CO – Paige Lee, ESI

GOLF TOURNAMENT

Please join us for the Fourteenth Fred Zook Memorial Golf Tournament this year at Walking Stick Golf Course (Pueblo, Co) on May 7, 2011. A Registration form is included with this newsletter. Money raised from this tournament is used to provide Engineering Scholarships to graduates of Pueblo area high schools. Awardees must be Junior/Senior Engineering Students enrolled in Colorado Colleges/Universities. Please contact me as soon as possible if you would like to Sponsor a hole or donate a prize. I can be reached at (719) 240-9425 or by email: jvg@inasys.com. See you on May 7th! - Joe Gagliano



Southern Exposure
Treasury Report
2010/11

Date Submitted: March 28, 2010

Date	Description	Income	Expenses	Balance
01/25/11	Balance from March Report			\$3,539.07
03/01/11	Net Income from March meeting	80.92		3,619.99
03/27/11	Matrix - Postage for March Newsletter		37.84	3,582.15
03/28/11	Dues - seven paid memberships	210.00		3,792.15
				3,792.15
	MathCounts Funding	Income	Expense	Balance
01/25/11	Balance from March Report			(340.78)
02/26/11	King Soopers - Ice and Donuts		45.52	(386.30)
03/01/11	CSU-Pueblo - 79 Lunches @ \$6.28 each		496.12	(882.42)
03/02/11	Purchased lunches - 15 @ \$7.00 each	105.00		(777.42)
03/17/11	Mark White - MathCounts Photography		102.87	(880.29)
				(880.29)
	Golf Tournament Funds	Income	Expense	Balance
01/25/11	Balance from March Report			2,625.38
				2,625.38
	Scholarship Funding	Income	Expense	Balance
01/25/11	Balance from March Report			1,175.00
				1,175.00
	Balance in Checking Account			\$6,712.24

12/31/10	Balance in Savings Account	\$2,761.26
12/31/10	Balance in Scholarship Account	\$46,479.52
03/08/11	Balance in MathCounts Fund in PEC Foundation	\$3,155.93
03/08/11	Brad Mullans Memorial Fund in PEC Foundation	\$23,447.86

Report on Southern Colorado MathCounts Competition

By Luis Maal, Coordinator

Despite of the low numbers of schools participating in at our Chapter Competition, we had a great event! Nine schools participated: Canon City, Harrison, Craver, La Junta, Pritchett, Heaton, St Therese, Rocky Ford, and Salida for a total of 57 students.

Craver Middle School was the team winner of the competition (Sam Wolyn, Averly Lewis, Paul Slade and Justin Griffin) and the first five individual winners were:

1. Sam Wolyn – Craver Middle School
2. Paul Slade – Craver Middle School
3. Brendan Rea – Canon City Middle School
4. Averly Lewis – Craver Middle School
5. Will Gilchrist – Craver Middle School

Special thanks to our guest speaker Dr. Rick Kreminski, Dean of the College of Science and Mathematics at Colorado State University – Pueblo for entertaining us all with “The Magical World of Mathematics” demonstration.

Also I would like to thanks all the volunteers (proctors, graders, greeters, etc.) that helped us during the event. Please mark your calendars for the 2012 MathCounts Chapter Competition which will be at CSU-Pueblo, February 25, 2012.

2010-2011 COPE SCHEDULE

Tuesday, April 5, 2011	6:30 p.m.-8:30 p.m.	COPE Meeting at La Renaissance
Monday, April 11, 2011	5:30 p.m.-6:30 p.m.	COPE Executive Committee Meeting @ ESI
Tuesday, May 3, 2011	6:30 p.m.-8:30 p.m.	Joint Meeting with Pikes Peak Chapter in Pueblo
Saturday, May 7, 2011	9:00 a.m.	COPE Golf Tournament @ Walking Stick
Monday, May 9, 2011	5:30 p.m.-6:30 p.m.	COPE Executive Committee Meeting @ ESI

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

COPE Executive Committee 2010-2011

President:	Mark White / Transportation Tech. Center (mark_white@aar.com)	584-0502 (w)	584-0787 (f)	543-6851 (h)
Vice-President/ Membership Chairman:	Harvey Smith / H.E.S. Telecommunications (HarveyESmith@aol.com)	546-1418 (w)		406-9735 (c)
Sec / Treasurer:	Hector Carrasco / CSU-Pueblo (Hector.Carrasco@colostate-pueblo.edu)	549-2696 (w)	549-2519 (f)	544-3509 (h)
Director:	Dan Henderson / Engineered Systems Inc. (d.henderson@esipb.com)	543-7722 (w)	543-7749 (f)	545-6058 (h)
Golf Tournament:	Joe Gagliano jvg@incasys.com	240-9425 (c)		
Director/ Scholarship Chairman:	Paige Lee/Engineered Systems Inc. (p.lee@esipb.com)	543-7722 (w)	543-7749 (f)	252-4892 (c)
Newsletter Editor:	Val Henderson / Engineered Systems Inc. (val.henderson@esipb.com)	543-7722 (w)	543-7749 (f)	545-6058 (h)
MathCounts:	Luis Maal (luismaal@comcast.net)	584-0551 (w)		584-0508 (h)

*****Note*** The COPE Scholarship Application is available at www.esipb.com/cope**

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

Please list your foursome below. Individuals will be assigned to fill teams with less than four players wherever possible.

1. Name _____
Address _____
City/Zip _____
Phone No. _____
Email _____

2. Name _____
Address _____
City/Zip _____
Phone No. _____
Email _____

3. Name _____
Address _____
City/Zip _____
Phone No. _____
Email _____

4. Name _____
Address _____
City/Zip _____
Phone No. _____
Email _____

PLEASE SUBMIT PLAYER/TEAM ENTRIES IN ONE ENVELOPE WITH ALL MONIES DUE.

**Deadline date for players to sign up is
Monday, April 25, 2011**

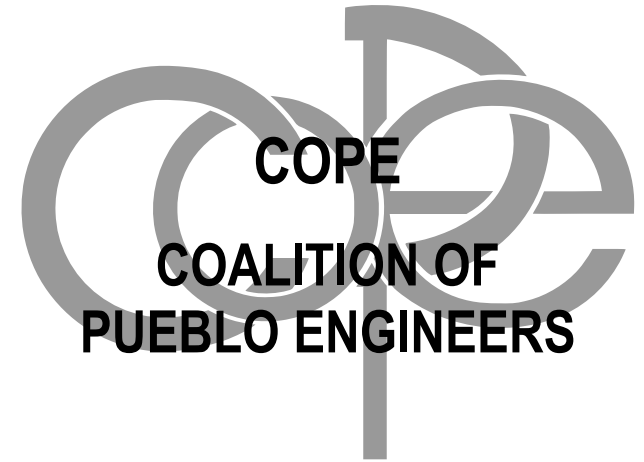
Limited to the first 100 paid entries.

(In case of cancellation, Rain Checks will be given.)
Wheelbarrow Consolation Prize

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

FOURTEENTH YEAR FRED ZOOK MEMORIAL GOLF TOURNAMENT

(OPEN TO ALL GOLFERS)



**SATURDAY, MAY 7, 2011
WALKINGSTICK
GOLF COURSE
PUEBLO, COLORADO**

to provide
ENGINEERING SCHOLARSHIPS
for Graduates of Pueblo Area High Schools.
Awardees must be Junior/Senior
Engineering Students attending Colorado
Colleges/Universities.

TYPE OF TOURNAMENT:

Four person best ball scramble.
Callaway Handicap System will be used.
(No regular handicap required.)

WHERE:

Walkingstick Golf Course, Pueblo, Colorado
719-553-1188

WHEN:

Saturday, May 7, 2011

TIME:

Check-in at 7:30 a.m.
Shotgun Start at 9:00 a.m.

ENTRY FEE:

\$75 per person payable to: COPE. No refunds, but a replacement may play.

ENTRY FEE INCLUDES:

Green fees, cart, prizes, awards, door prizes and buffet lunch at WALKINGSTICK.

Mulligans will be sold for \$5 each with maximum of 2 per player. Mulligans may not be used for any hole-in-one contests.

TEAM PRIZES:

First Place - \$90 cash per Player
Second Place - \$75 cash per Player
Third Place - \$60 gift certificate per Player

\$41,500 in scholarships were awarded since 1987 to outstanding upper class engineering and engineering technology students at CSU-Pueblo and its predecessors by the PEC Southern Chapter Auxiliary. The Coalition of Professional Engineers is now handling this program and is providing engineering scholarships for Graduates of Pueblo Area High Schools who are Junior/Senior Engineering Students attending accredited Colorado Colleges/Universities.

CONTEST PRIZES



Hole-in-One Prizes

**2011 Buick Regal
Golf Clubs
Golf Balls
Vacation**



**EVERY HOLE WILL HAVE A
CONTEST PRIZE!**

**Contact Joe Gagliano
with questions at 719-240-9425
or email: jvg@incasys.com**

REGISTRATION FORM

**FOURTEENTH YEAR
FRED ZOOK MEMORIAL
GOLF TOURNAMENT
May 7, 2011
Walkingstick Golf Course
Pueblo, Colorado**

- I want to play in the 14th Engineering Fred Zook Golf Tournament. My check payable to COPE is enclosed.
- I can't be with you on May 7, 2011, but here is my contribution of:
\$25 ___ \$50 ___ \$75 ___ \$100 ___.
- I would like to sponsor a hole for:
\$100 ___ Exclusive Hole \$200 ___.
- I would like to donate a door or hole prize.
- I would like to donate materials for the Goodies@ table to be given to players.
- Please call me at the number below.

Name: _____

Address: _____

City: _____ Zip: _____

Phone: _____

Mail to: Engineering Golf Tournament
COPE
P.O. Box 1841
Pueblo, CO 81002

COALITION OF PUEBLO ENGINEERS (COPE)

MEMBERSHIP APPLICATION

Date _____

Name _____
FIRST MIDDLE LAST

Preferred E-Mail Address for Meeting Notices _____

Birth Date ____/____/____
MM DD YY

Employer _____ Job Title _____

MAILING ADDRESS OF EMPLOYER

HOME ADDRESS OF APPLICANT

CITY STATE ZIP

CITY STATE ZIP

() ()
PHONE FAX

() ()
PHONE CELL

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

Are you a current member of a State or National Engineering / Surveying Society? _____
Yes No

If so, which one(s)? _____

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.

- | | |
|--|---|
| <input type="checkbox"/> Chapter Officer | <input type="checkbox"/> MathCounts (annual middle school math competition) |
| <input type="checkbox"/> Newsletter | <input type="checkbox"/> Annual Fundraising Area Golf Tournament |
| <input type="checkbox"/> Guest Speaker Suggestions | <input type="checkbox"/> Colorado Engineering Scholarship Awards |
| <input type="checkbox"/> Other (open to suggestions) | |

Please return Membership Application Form to:

COPE
P.O. Box 1841
Pueblo, CO 81002