

# ASCE Northern Colorado Branch *NEWSLETTER*

Spring 2006

As we finish up our last General Membership meeting of the ASCE year on May 11th, I would like to thank everyone who attended and helped organize the very successful group of programs this year. We had numerous meeting attendees this year express how great that night's meeting was and how much they enjoyed learning about: engineering in third world countries; the historical role that the Cache la Poudre River has played in the development of Northern Colorado; post Katrina structural building damage along the Gulf Coast; and development activities in the City of Loveland specifically around U.S. 34 and I-25. Many of the ideas for these great programs came from you, the members of the Northern Colorado Branch (NCB). Please contact any Executive Committee Member with any ideas you might have for presentations at future meetings (up to date contact information is located on the Branch's website <http://branches.asce.org/ncolorado/index.htm> )

On April 13th the Northern Colorado Branch had the privilege of hosting ASCE National President Elect Bill Marcuson for the day. During his visit Mr. Marcuson provided insight to many national issues of concern to civil engineers. Mr. Marcuson participated in a tour of Horsetooth Reservoir Dams given by the U.S. Bureau of Reclamation. The extremely successful tour was arranged by NCB Vice President **Amber Kauffman**, and was attended by over 40 people. He also solicited feedback on various issues of local and national concern during lunch with the NCB Executive Committee. The busy day in Northern Colorado was completed at Colorado State University with a tour of the Civil Engineering facilities and a presentation to the Senior Design Class.

I would also like to thank this year's officers: Vice President **Amber Kauffman**, Secretary **Cortni Ward**, Treasurer **Aaron McKelvey**, Past President **Martina Wilkinson**, and all the Committee Chairs for their hard work and dedication in keeping the Branch running so smoothly. Please look for, vote, and send in your 2006-07 NCB election ballot later this summer. If you are interested in an officer's role, contact our election committee, headed up by Martina Wilkinson.

In closing, I would again like to say thank you for letting us serve your American Society of Civil Engineering needs in Northern Colorado. Membership in ASCE has many benefits both quantitative and qualitative. Since my undergraduate days, my experience with ASCE has been that I get far more out of it than I could ever put into it. Have a good summer and look forward to seeing you next fall.

**Chris Pauley, PE**  
**2005-06 President**  
**ASCE Northern Colorado Branch**



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The year has gone by quickly as once again we are wrapping up our ASCE calendar year with May as our last general membership meeting. One of the perks of being the vice-president for the branch is the ability to attend the Zone Leadership Conference. This year's conference was held February 17-19 in Houston, Texas. The goal of the conference was to get the upcoming leaders of ASCE more acquainted with all ASCE has to offer and to present ideas to encourage more involvement with ASCE at the local level. The amount of information was incredible and the benefits and services that ASCE offers to its members are outstanding. Not only does ASCE provide publications, magazines, and continuing education classes but ASCE also serves members with savings on insurance plans, rental cars, and shipping as well as a free career resource website. This website allows anyone to view jobs opportunities and post your resume on-line for free. More information on all the membership perks can be found on the Society's website at <http://www.asce.org/membership/benefits.cfm>.

Another item on the vice-president's list is management of a community service project. The Northern Colorado Branch has had two successful community service projects completed in the last several years, the first project being the Windsor Skate Park and the second being the Larimer County Soderberg Trailhead at Horsetooth Park. ASCE members have donated their time and resources to design projects that are appreciated by the general public and promote ASCE and the civil engineering profession. The Branch is currently looking for a new project to work on. If you or anyone you know have ideas for a new project, please let the Branch know. An application form that identifies project criteria can be found on the community portion of the Branch's website at <http://branches.asce.org/ncolorado/community.html>.

There are always ways for members to become more active at the local, branch, section or national level. Please feel free to contact any of the officers no matter what your level of interest may be.

Amber Kauffman, PE  
2005-06 Vice President  
ASCE Northern Colorado Branch



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**STANDLEY LAKE REHABILITATION PROJECT**  
Join the Northern Colorado Branch for a lively presentation by our own Colorado Section President, Christoph Goss, on the rehabilitation project of the Standley Lake Dam. The Standley Lake Dam and Reservoir, located in the northwestern part of the greater Denver Metropolitan area, stores raw water for several Denver suburbs and cannot be drained without causing a major interruption in water service. The dam was originally constructed in 1908. The dam has been plagued with a series of slope failures, both upstream and downstream from the very beginning. More recently, the old pressurized outlet works, constructed through the maximum section of the earth dam, began to experience separation problems at the joints due to creep and sliding of the embankment and foundation. The \$32.5 million renovation carried out 2002-2004 included construction of new, tunneled outlet works in the abutment (separate from the embankment), a new spillway, and placement of additional stability berms. The complete replacement of the outlet works required two microtunneled wet lake taps, a permanent valve shaft, and an outlet tunnel driven with a roadheader.



So, if you have any interest at all in learning about microtunneled wet lake taps, valve shafts, or an outlet tunnel driven with a roadheader, be sure to mark Thursday, May 11th on your calendar for our final meeting of the year. Even if you have no interest at all in any of these things, but would like to sit in on a presentation by an outstanding speaker and meet with many local engineers, we would be more than happy to see you at this month's meeting. Christoph has been a speaker at previous Branch meetings and is truly gifted at presenting interesting and fun information about the projects he has worked on.

This will be the final program of the year for the Northern Branch. As such, we should all begin brainstorming ideas for topics, projects, and ideas for programs for next year. If you have heard a particularly interesting presentation, or have been involved in anyway on a project that warrants presenting to our members, please contact Jim Brady at [jbrady@e-470.com](mailto:jbrady@e-470.com) or (303) 537-3711, or any member of our Executive Committee with your thoughts and suggestions.

**Jim Brady, PE**



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## NEW ASCE BOARD OF GOVERNORS CREATED FOR SECTION 7

The national ASCE structure is in the process of changing from a system of Zones and Districts to a system comprised of 10 Regions. A goal of this reorganization is to provide streamlined and efficient communication between sections and branches and the National organization. Colorado belongs to Region 7, which was officially created by the ASCE National Board of Direction last week.

I was nominated by the Section leadership and have accepted a position on the Board of Governors for Region 7. The Region 7 makeup and representation are as follows:

Section	No. of Governors
Colorado	2
Iowa/South Dakota	1
St Louis/Mid-Missouri	1
Nebraska/Wyoming	1
Kansas City/Kansas	1
At-Large	1

My term will be for an interim period of one year. The Colorado Section, including Northern and Southern Colorado Branches, will elect a governor to this position for a three-year term next year, and a second governor will be elected in 2008 (Jaqueline Arcaris has accepted an appointment as the second Colorado Region 7 Governor. She will serve a two-year term). Six members of the Board of Governors have been selected by their respective Sections. The final, At-Large Governor will be appointed by the six governors as one of our first tasks. We will begin this process in a conference call on May 16. Many of the initial tasks of the Board will involve organizing the Region for future operations. It will be an exciting opportunity to be a part of this "ground floor" process. This position will provide a conduit for the flow of information between ASCE members and the National organization. It will also be an excellent opportunity to keep Colorado issues, concerns, ideas, and philosophies in the forefront of the National ASCE organization. In addition to the four mandated Board of Governors meetings (either teleconference or on site within the Region), I anticipate attending functions and meetings of the various ASCE groups and representing Colorado engineers at the Region and National level. I will need your input to effectively carry out this assignment. Please contact me with ideas, questions, comments and/or concerns.

Thomas A. Chapel, CPG, PE



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## EDUCATION/STUDENT AFFAIRS COMMITTEE ACTIVITIES

Thanks to the time and effort of a host of professional engineers turned volunteers, the ASCE Northern Colorado Branch education committee has another stellar year in their efforts to introduce engineering to elementary aged students.

**Webelos Engineering Badge Day** was held on October 8, 2005. This was a joint program between ASCE-NCB, CSU College of Engineering, and the CSU Student Chapter of ASCE. 77 Webelos Scouts (with more on a wait list) attended the event, and in the course of about 5 hours completed all the requirements for their engineering badge. Eight ASCE-NCB members together with 27 CSU students gave presentations about Surveying, Floor Plans, Electricity Generation, Electrical Circuits, Bridges, Pulleys, Catapults, and Engineering Careers.



### Thank You Notes and Feedback

"Once again thank you for the great event."

"The feedback I got was overwhelming positive! It really was a model event. The next batch of Webelos in our pack are looking forward to it already."

"All four of my boys loved it!!!! And, I mean loved it! They each had a different station that was their favorite and I found that interesting. That told me that they were all good."

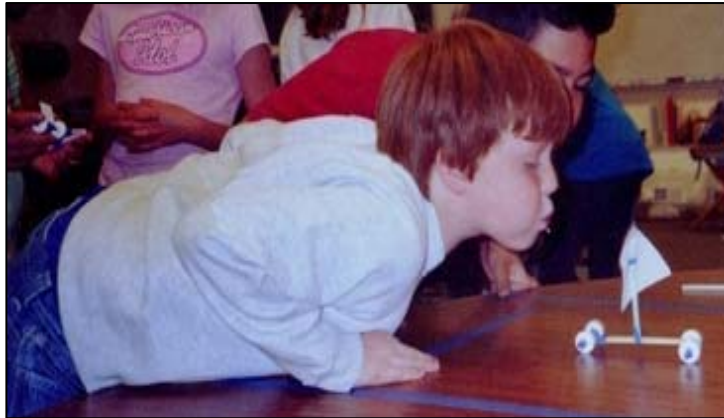


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## EDUCATION/STUDENT AFFAIRS COMMITTEE ACTIVITIES (continued)

**Zoom Elementary Classroom Programs** were presented to over 400 students between the 2nd and 5th grade in elementary schools from north Fort Collins to Windsor. These programs consisted of one to two hour presentations of either the Paper Tower or Puff Mobile.



### Thank You Notes and Feedback

"... I learned that if you build a building you have to study to build a building. Trust me I tried to build a tower out of 2 newspapers..."

"...My speaker was great. I learned engineers make everyday things. They also design them...."

"... Thank you for coming to my class. I'm sorry that you had to take work off to come here, and I hope you didn't get fired because being an engineer is cool...."

**Boy Scout Merit Badge University** was held on January 7th and January 14th, 2006. ASCE members assisted with the Computers, Drafting, and Traffic Safety Merit Badges.

### Activities Planned for Next Year

The Education/Student Affairs Committee plans to continue these programs as well as others in 2007. We always need volunteers so if you are interested in participating in the activities of the Education and Student Affairs Committee, please contact Dan Overton and 970-223-9600, [dan.overton@mfgenv.com](mailto:dan.overton@mfgenv.com), or Martina Wilkinson at 970-988-0143, [martinawilkinson@msn.com](mailto:martinawilkinson@msn.com).

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## NEWS FROM THE MEMBERSHIP COMMITTEE

There are currently 502 ASCE members in the Northern Colorado Branch. Membership in ASCE can be a benefit to you and your career, so if you or anyone you know would like to renew your membership or join ASCE you can do so at [www.ASCE.org/membership](http://www.ASCE.org/membership) or by contacting me for forms. Also please let me know if the information on your name tag (used at the meetings) needs to be updated. Sheri Wamhoff, Membership Committee Chair, [swamhoff@fcgov.com](mailto:swamhoff@fcgov.com).

**Sheri Wamhoff**  
Membership Committee Chair



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## PUBLIC RELATIONS

I would like to thank everyone who attended our monthly meetings this year because as I understand it attendance was up. It is quite an effort to get interesting topics each month and believe me when I say our intentions are not to put people to sleep. So if any of you have great ideas/topics please feel free to contact any one of the executive committee members. Remember this is your organization.

We have been struggling on getting a new Community Service Project (CSP) for the past couple of years so if you know of a community project that doesn't have the funding for design, we can help. ASCE Northern Colorado Branch will volunteer the design consulting time to assist in getting the project constructed. This is a great program so please keep your eyes and ears open for opportunities.

I like to thank Chris Pauley for being President this year. He did a great job as a leader by knowing when to crack the whip and when to let things go. I would like to encourage those of you who are not members of ASCE to join and get involved. It is a great way to network and meet some great people. If you are already a member, try to find ways to get more involved and help us find ways to improve. I can be reached at 970.674.3300, ext 102 or by email at [rprovencio@interwestgrp.com](mailto:rprovencio@interwestgrp.com). Have a great summer!!!!

Randall K. Provencio, Public Relations

## WANT TO KNOW MORE?

To get on the ASCE NCB email distribution list, send your email address to: [hurstg@edaw.com](mailto:hurstg@edaw.com)

Want to get involved? The northern Colorado Branch is always looking for members to become more involved beyond attendance at regular meetings. There are officer positions and a number of committees that provide members a variety of ways to contribute. Please contact Amber Kauffman at [AKauffman@tec-engrs.com](mailto:AKauffman@tec-engrs.com) for more information.



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2005/2006  
BUDGET

Northern Colorado Branch ASCE Budget								
Budget 2005/2006 Fiscal Year Approved September 15, 2005								
Budget Item #	Budget Item Description	Actual (\$) 2005/2006	Budget (\$) 2005/2006	Actual (\$) 2004/2005	Actual (\$) 2003/2004	Actual (\$) 2002/2003	Actual (\$) 2001/2002	Actual (\$) 2000/2001
<b>RECEIPTS</b>								
21	Local Section Dues				0.00	0.00	0.00	0.00
22	Society Allotments - Branch	4,175.00	5,400.00	6,260.57	4,551.25	4,752.68	6,939.16	4,546.24
23	Interest Income	63.20	100.00	115.12	84.66	113.02	252.86	385.58
24	Dividend Income						0.00	0.00
25	Contributions and Gifts					50.00	0.00	0.00
26	Grants	825.00		1,025.00	1,350.00		0.00	0.00
27	Assessments - Membership Retention						0.00	80.00
28	Other				3.00		0.00	0.00
34	Meetings	2,792.00	3,400.00	2,174.00	3,378.00	4,755.50	4,336.00	4,577.00
36	Educational Courses						0.00	0.00
	Zone III Public Service Award				100.00		0.00	0.00
40	Miscellaneous Petty Cash					100.00	100.00	100.00
	<b>TOTAL</b>	7,855.20	8,900.00	9,574.69	9,466.91	9,771.20	11,628.02	9,688.82
	Cash on Hand October 1, 2005	15,112.76	15,112.76	12,869.84	9,909.33	11,523.44	9,989.21	6,953.36
	<b>TOTALS</b>	22,967.96	24,012.76	22,444.53	19,376.24	21,294.64	21,617.23	16,642.18
<b>DISBURSEMENTS</b>								
34	Dinners & Luncheons					150.00	0.00	74.90
35	ASCE Conferences (Zone III/National)	1,862.79	1,850.00	1,835.66	1,875.74	1,597.76	321.47	1,052.01
36	Educational Courses						0.00	61.00
40	Miscellaneous	1,260.00					0.00	781.75
49	Contributions, Gifts & Grants			100.00			25.00	0.00
51	Stationary & Office Supplies						23.19	0.00
52	Postage		150.00		148.74	100.01	155.40	0.00
53	Website	300.00	500.00	700.00			0.00	0.00
54	Newsletter						0.00	179.76
55	Year Book						0.00	0.00
56	General Printing (Ballot Printing)		100.00		69.10		40.80	0.00
57	Meetings (Catering)	3,033.20	3,400.00	2,450.47	3,465.85	5,028.67	5,140.68	4,346.30
58	Branches						0.00	0.00
59	Younger Members Group						0.00	0.00
60	Student Activities							
A	CSU Student Chapter Grant	1,750.00	1,750.00	1,000.00	1,850.00	2,135.83	4,133.25	0.00
B	Colorado Section Student Chap.s Special Needs Request		200.00			600.00	0.00	0.00
61	Secretarial Services						0.00	0.00
62A	Branch President Expenses (Breakfast, Pins, Misc.)	166.86	150.00	22.34	150.97	124.33	25.00	0.00
62B	Branch Treasurer Expenses (Fees, Ck. Orders)	13.95	25.00		7.50		29.00	0.00
63	Official Travel						0.00	37.25
64	Technical Groups & Committees							
A	Awards (CSU Student Awards)		50.00	21.32	28.78	150.00	100.00	
B	Membership (Badge Materials)		25.00		3.78	36.13	0.00	0.00
C	Educational (Misc.)	981.60	1,000.00	301.98	156.60		0.00	0.00
D	Public Relations Coordinator		50.00		27.04	220.00	0.00	0.00
E	Community Service Project (TBD)		400.00	1,000.00	310.40	1,242.58		
	<b>TOTAL</b>	9,368.40	9,650.00	7,431.77	8,094.50	11,385.31	9,993.79	6,532.97
	Check Book Balance	8,056.87	9,584.26	9,584.26	7,463.00	4,774.72	10,412.81	
	Savings Balance	5,442.69	5,428.50	5,428.50	5,406.84	5,034.61	1,110.63	
	Petty Cash	100.00	100.00	100.00	100.00	100.00	100.00	
	Cash on Hand (Check Book Balance+Savings+Petty Cash)	13,599.56	15,112.76	15,112.76	12,969.84	9,909.33	11,623.44	10,089.21
	<b>TOTALS</b>	22,967.96	24,762.76	22,544.53	21,064.34	21,294.64	21,617.23	16,622.18

