



The Engineering Informer

INSIDE THIS ISSUE:

TREASURER'S REPORT	2
CALENDAR	2
HUMOR	2
MATHCOUNTS	3
SECOND SCIENCE SATURDAYS	3
AWARDS BANQUET INFORMATION	4
SCHOLARSHIP RECIPIENTS	5
MEMBER BIO	6
WEBEX LOGIN	6
MISC.	7
ADVERTISEMENTS	8-11
ATTACHMENT 1: SDES BANQUET RSVP FORM	
ATTACHMENT 2: FEBRUARY SECOND SCIENCE SATURDAY SCHEDULE	

WebEx: this month's presentation will be broadcast on WebEx so please plan on tuning in on the web if you can't be here in person! See the instruc-

IMPORTANT NEWS

NEXT MEETING:

No December Meeting.
February 14, 11:30 AM
@ 41st Street Pizza Ranch
- SDSU Engineers Without Borders will provide an update.

NEW MEMBERS:

- None

PRESIDENT'S COLUMN BY KURT PEPPEL—PE

As I prepare this message I am watching several contractors submit street construction bids which can only mean one thing....golf is just around the corner!!! And I suppose construction season is not far off as well. It's really hard to believe we are getting close to that time of year already.

I again would like to remind everyone our society has a busy month ahead of us. Volunteers are needed for MATHCOUNTS, Second Science Saturday, and E-Week, and nomination forms are out for our annual awards. Please consider volunteering and submitting nominations, and also plan to attend the annual awards banquet Saturday, February 25. Also, please mark your calendar for the SDES Annual Conference which is to be held April 26-28 in Spearfish. Registration info should be out soon.

Our next membership meeting will be Tuesday, February 14 at the Pizza Ranch on 41st Street. Come early for pizza and the opportunity to socialize with your peers. SDSU Engineers without

Boards will provide information on their endeavors; hopefully the weather allows. In March we welcome representatives from the City of Sioux Falls and Sioux Falls Area DOT to present on their respective construction programs. I am still looking for April and May speakers, so if you have an idea please let me know.

I would like to remind everyone our membership meetings can be watched via WebEx, if you are unable to attend in person. WebEx instructions can be found within this newsletter.

Lastly, I would like to thank Dan Kvasnicka for assuming the newsletter duties. Please contact Dan if you have newsletter items.

Kurt Peppel, SDES Eastern Chapter President

**TREASURER'S REPORT
BY BRETT LOVRO, PE**

Balance as of	2/1/2017	
1/1/2017		\$ 28,862.07
Expenses:		
Board Planning	\$ (92.45)	
Board Planning (Scholarship Meeting)	\$ (95.12)	
WebEx (Oct-Jan)	\$ (208.76)	
Total		\$ (396.33)
Deposits:		
Conference Revenue	\$ 3,607.26	
Interest (Jan)	\$ 2.68	
Total		\$ 3,609.94
Total General Fund		\$ 32,075.68
1/1/2017		\$ 6,637.80
Expenses:		
N/A	\$ -	
Total		\$ -
Deposits:		
N/A	\$ -	
Total		\$ -
Total Scholarship Fund		\$ 6,637.80
Total Account Balance		\$ 38,713.48

LET ME KNOW IF YOU FIND TYPOS...



**IMPORTANT
CALENDAR
ITEMS**



EASTERN CHAPTER

MEETINGS:

- February 14, 11:30 @ Pizza Ranch on 41st Street
- March 14, 11:30 @ Pizza Ranch on 41st Street
- April 11, 11:30 @ Pizza Ranch on 41st Street
- May 9, 11:30 @ Pizza Ranch on 41st Street

E-Week

February 19—25

Second Science Saturday

February 11 @ 10am-2pm
(Volunteers Needed, see page 3)

Eastern Chapter MathCounts

February 23 @ 2:00
Southeast Technical Institute
(Volunteers Needed, see page 3)

Eastern Chapter Awards

Banquet

February 25
Sioux Falls Holiday Inn
City Centre

2017 Annual Conference

April 26—28
@ Spearfish Holiday Inn
Convention Center

2017 Fall PDH Conference

Date and Location TBD

To add a calendar item please contact Dan Kvasnicka @ Daniel.kvasnicka@hdrinc.com

MATHCOUNTS®

Save the Date

When: Thursday, February 23, 2017, 2pm-7pm

**Where: Southeast Technical Institute
Room HC 257**

Who: 6 middle Schools from SE South Dakota

Volunteers needed to help with the registration table, hand out tests, watch for cheating, grade tests, and keep time. Volunteer Sign-up sheet will be available at February's lunch meeting.

Contact Krista May at
kristam@infrastructuredg.com or 605-929-0267

SECOND SCIENCE SATURDAYS! BY ERIN STEEVER, PE

SDES will provide two engineering activities (Activity 1: Water Balloon Towers and Activity 2: What is Water Pressure) to celebrate engineering on Saturday, February 11, 2017. Although our activities are water related this year all engineers are encouraged to participate. Two volunteer shifts are available: 10am-Noon, and Noon-2pm. Free admission to the Kirby Science Discovery Center for all volunteers. You may also want to check out the immersive mission films at the Wells Fargo CineDome (including the Journey to Space, sponsored in part by SDES). Please contact Erin Steever (erins@bannerassociates.com) to volunteer.



**SAVE THE DATE - UPCOMING ENGINEERING AWARDS
BANQUET
BY WES PHILIPS, PE**

While it is an engineering banquet, our goal is to celebrate engineering in South Dakota and make this a fun and enjoyable evening for all in attendance. Tickets are only \$25 each and include a plethora of food as well as entertainment (a pretty cheap date night if you ask me!!). Entertainment this year will be provided by carActors for a Murder Mystery script "Dying for a Drink". It is a fun, yet intriguing mystery that we'll enjoy trying to solve. carActors will be providing the acting and attendees will place "votes on the killer" at the end of the performance.

(See first attachment for Awards Banquet Invitation)



SCHOLARSHIP WINNERS BY LANCE MAYER, PE

As part of the 2016-2017 scholarship program, SDES-Eastern Chapter awarded three \$2000 Engineering Scholarships out of 45 applicants to the following high school seniors:

Joshua Powell is ranked 1st in his class at Brandon Valley High School and actively participates in a number of extracurricular school activities. Those activities include: Sioux Falls CTE Robotics (Team Captain), Springdell 4-H Club (13-year member holding offices of Vice President, Historian & Camp Counselor), Cross Country (Team Captain and Academic All State), National Honor Society (3 years), 3-time Academic Letter Winner, Band (6-years including First Chair 2 years along with BEC Honor Band, Quad State Honor Band and East Central Honor Band) Peer Minister, Quiz Bowl (3 years), Science Bowl, FFA, and 250 volunteer hours with the Serve and Learn Student Association.

Joshua's most satisfying achievement was becoming a 4-H camp counselor. As a counselor he was responsible for 10 to 15 children for a week straight where he was woken up at all hours of the night, complained to and both physically and mentally worn out by a group of very active young boys. However, in the end it was all worth it for Joshua to see the development of each child both individually and as a group. They gave him confidence as a leader and, in the end, there is nothing in the world Joshua would trade for his time as a camp counselor. Joshua plans on attending the South Dakota School of Mines and Technology to study Mechanical Engineering.

Jarod Osborn, attending Watertown High School, stood out academically while also being involved in a variety of school and community activities. These activities include: National Honor Society, Football (2016 Academic All-State), Wrestling, BEST Robotics Team (Vice-President and Head Technological Architect) and the Debate Team. Jarod is also a member of the National Forensics League and has been an active member of the Boy Scouts of America where he has attained the rank of "Life Scout" as well as being a Brotherhood member of the Order of the Arrow.

The achievement that has given Jarod the most satisfaction is when he became a Brotherhood member of the Order of the Arrow (OA). The OA is the national honor society of the Boy Scouts and becoming a member requires being nominated by other Boy Scouts. Once nominated, a scout must complete an ordeal, including volunteer work and sleeping outdoors, before they are an official member of the OA. An ordeal member must repeat the ordeal again in ten months to become a Brotherhood member. It took time and effort to achieve this honor as well as being noticed by others for his dedication to Boy Scouts. Jarod enjoys performing community service in Boy Scouts and becoming a Brotherhood member allowed him to work with others that shared his same dedication along with preparing him with important life skills. Jarod plans to attend South Dakota School of Mines and Technology and major in Computer Science/Engineering.

Ellie Burczek has excelled academically as a senior at Watertown High School in the top 3% of her class. She has been a member of the Robotics Club for 4 years and is in her second year as Head of Engineering. Other activities Ellie is involved with includes: National Honor Society, ABC Book Club, Key Club, and Cross Country. She has volunteered in Teen Court and Keystone over the last year and is a youth development professional at the Boys and Girls Club.

Until Ellie became involved with Robotics, she thought she would end up studying fine arts. However, she learned how vital engineering is to solve humanity's greatest problems as well as being central to everyday life. Many people long to change the world and Ellie feels that studying engineering during this period of rapid technological progression is a realistic way to achieve such a noble goal. She finds engineering incredibly self-fulfilling and reaffirming stating "I feel useful and confident having the ability to create and engineer solutions to problems". Ellie plans to attend the South Dakota School of Mines and Technology and major in Electrical Engineering.

In 2016, the Eastern Chapter sponsored two \$1000 Engineering Scholarships at South Dakota State University. To qualify, students must be entering their junior or senior year and major under the College of Engineering. The two recipients selected by SDSU faculty were Zachary Grudem, majoring in Electrical Engineering, and Emily Lawrenson (a former 2015 Eastern Chapter Scholarship winner), majoring in Civil Engineering.

Also in 2016, the Eastern Chapter sponsored a \$400 Engineering Scholarship which was made available through a permanent endowed fund held within the South Dakota Community Foundation. Grant Gonsor was the recipient selected by the Scholarship Committee and he presently attends South Dakota School of Mines and Technology majoring in Electrical Engineering.

Congratulations to all of this year's SDES - Eastern Chapter Scholarship Recipients!

GETTING TO
KNOW YOU
Member Bio

JENNICA WILCOX

HR Green
431 North Phillips Avenue
Suite 400
Sioux Falls, SD 57104-5933
Phone: (605) 334 4499

What Jennica best likes being about an engineer...

What I do has an impact on everyone around, and I have the opportunity to improve those impacts

A brief history... A brief history... I was born in LaJunta, CO and grew up in a small ranch & farm community north of Lamar, CO. I attended Northwest Kansas Vocational College in Goodland, KS and immediately started working for a private consulting engineering firm in Denver, CO. I soon learned that I wanted to become an engineer and began attending classes at night, while continuing to work full time as a Roadway Designer. My husband and I lived in a little ranch community, Calhan, 70 miles south-east of Denver for 14 years. We ran some mama cows and had a small haying business also. When I was contacted about relocating to Sioux Falls, we were very excited about the opportunity. We had been looking for an opportunity to relocate to a smaller community without the long commute to work. We have been very thankful for the welcome arms we have received here, and is now a place we call home. We were able to keep a handful of our best mama cows, and they made the trek with us. My husband, Eric, is an Electrician for Lite Electric in Canton, SD. We also have some Hangin Tree Cattledogs, and I enjoy spending my free time training them to work cattle, and helping farmers around the area work their cattle. My husband and I also enjoy big game hunting when we have the time.



A LITTLE BIT MORE ABOUT OUR MEMBER OF THE MONTH:

Family: Husband – Eric Wilcox

Hometown: : Lamar, CO

Job Title and Years With Firm: Project Engineer – 1.5 years

Favorite Room in My House and Why: Living Room/Kitchen, I'm not typically an indoor type gal, but I like having a big enough Kitchen & Living Room area to have lots of friends over. I enjoy cooking for people.

My Normal Breakfast: 2 eggs and a hot cereal in the winter.

Last CD Purchased: Red Dirt Country CD

Last DVD (movie or game) Purchased: Not sure, not really a TV person

Hobbies: Raising & Working Cattle, Raising & Training Cattledogs, Mountain Horseback Pack Trips into the wilderness, Big Game Hunting

What do you collect? Dogs, unique coffee makers, cowboy gear, calculators

My Best Personality Trait: Sincerity

Pets: Working dogs, Chickens

Pet peeves: Bad Drivers & Inconsiderate people

Favorite beverage: Iced Tea

Favorite TV Show: Breaking Bad

Favorite Season: All of them

People may not know about me... I had the opportunity this past fall to take one of my stud dogs to the Hangin Tree Futurity in Moline, KS where we were able to take home a third place finish.

What made you want to be an engineer? I've always been a detail oriented person, so it was just a natural fit for me. And I enjoy designing roads, it's something that directly effects everyone, be it negatively or positively

Describe a significant event in your career. Going from being a project manager in Colorado with a firm I had been with for nearly 15 years, and deciding to take a step outside of my comfort zone and move across the country to a different firm and environment.

Describe a significant event in your personal life. Moving across the country from everything that was familiar. I tend to like to stay in environments that I am comfortable with.

Describe an achievement from the past year you are proud of. Training my cowdog, Slate, who was able to perform well against some of the top trainers in the country at the Hangin Tree Futurity

What are you looking forward to in the next year? We'll be moving to a larger acreage and building fences and corrals for our cattle and having a better training facility for working dogs.

I hate it when... people dump their trash along the road.

Favorite Place to Visit and Why: New areas of the country. I enjoy getting to go to these new places and seeing how different people farm and work cattle. Nothing like the wide open spaces to hit the reset button on life.

2015-2016 OFFICERS AND CHAIRPERSONS

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<i>President</i>	<i>Kurt Peppel, PE</i>
<i>President Elect</i>	<i>Jonathan Wiegand, PE</i>
<i>Vice President</i>	<i>Lance Weatherly, PE</i>
<i>Secretary/Treasurer</i>	<i>Brett Lovro, PE</i>
<i>Chapter Director(2nd term)</i>	<i>Joshua VandenBos, PE</i>
<i>Chapter Director(1st term)</i>	<i>Daniel Kvasnicka, EIT</i>
<i>State Director</i>	<i>Ben Scholtz, PE</i>
<i>Past President</i>	<i>Ray Pierson, PE</i>

Committees

<i>Nominating Committee</i>	<i>Lee Kaffar</i>
<i>Mathcounts</i>	<i>Krista May, PE</i>
<i>Scholarship</i>	<i>Lance Mayer, PE</i>
<i>Events Coordinators</i>	
<i>eWeek</i>	<i>Erin Steever, PE</i>
<i>Free First Fridays</i>	<i>Erin Steever, PE</i>
<i>Winter Social</i>	<i>Gabe Laber, PE</i>
<i>Golf Outing</i>	<i>Gabe Laber, PE</i>
<i>Awards</i>	<i>Wes Philips, PE</i>
<i>Audio/Visual IT</i>	<i>Chad Stensland, PE</i>
<i>Newsletter</i>	<i>Joshua Peterson, PE</i>
<i>Membership List</i>	<i>Myron Adam, PE</i>

Webex Login Instructions

1. Navigate your internet browser to:
2. <https://sdes-eastern.webex.com>
3. Select the meeting date from the calendar in the "Browse Meetings" Window.
4. Click the "Register" link by the monthly meeting.
5. Fill in your first name, last name, email address and hit the "Register Now" button at the bottom.
6. A registration email will be sent with all the information to log into the meeting.

PDH Documentation

Sign-in sheets for Eastern Chapter meetings are posted on the SDES website for members to use for PDH documentation. Go to www.sdes.org to download sign-in sheets.

For any and all newsletter articles, additions, edits, corrections, and important dates contact:

Daniel Kvasnicka, EIT
 HDR,
 6300 S. Old Village Place
 Suite 100
 SIOUX FALLS, SD 57108-2102
 605-977.7757
 Daniel.kvasnicka@hdrinc.com

For all *State Society* membership information and other business, contact:

Gail Boddicker,
 Executive Director
 SDES
 Rapid City, SD 57709
 605-394-6674
 Gail.Boddicker@sdsmt.edu

SDS MISSION STATEMENT

SDS is the state society of engineers from all disciplines that promotes the ethical and competent practice of engineering, advocates licensure, enhances the image of its members, and advocates legislation and public policy for the betterment of human welfare and the profession.

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FEBRUARY 25, 2017 EASTERN SDES/ASCE AWARDS BANQUET

Holiday Inn Sioux Falls City Centre

100 W 8th Street, Sioux Falls, SD 57104

Join friends and colleagues at this year's SDES/ASCE awards banquet! Arrive early for social hour, hors d'oeuvres and review project displays while enjoying views from the Starlite Ballroom.

Dinner (buffet style) featuring roasted turkey breast with rosemary champagne sauce, herb roasted potatoes, green beans with roasted red peppers, caesar salad and fresh fruit.

Recognition of this year's SDES and ASCE award winners will be followed by an entertaining murder mystery, presented by charActors of Sioux Falls.

Members' guests are welcomed and encouraged to attend.



RSVP by Feb. 17, 2017

Name(s): _____

Number of persons attending (Guests encouraged): _____

Member of: ASCE _____ SDES _____ Other _____

SCHEDULE

SOCIAL [5:30-6:30]

DINNER [6:30-7:30]

PROGRAM & AWARDS

ENTERTAINMENT

[8:00-9:30]

Directions: From I-90: Take Exit 400 (I-229) and travel south 4 miles to Exit 6 (10th Street). Turn Right (West) on 10th Street and travel 2.5 miles to Phillips Ave. Turn Right (North) on Phillips Ave and go to 8th Street. Proceed thru the intersection and turn left and arrival at the hotel.

Parking: Parking lot in front of the hotel, additional parking in hotel parking ramp accessible from the west side of the parking lot, and N. Phillips Avenue.

Banquet: The banquet will be held in the Starlite Ballroom on the top floor of the Holiday Inn.

RSVP & SEND PREPAYMENT TO:

JSA Consulting Engineers
Attn: Myron Adam

6810 S. Lyncrest Ave, Suite 101
Sioux Falls, SD 57108

Cost: \$25/person
[Make checks payable to
Eastern Chapter SDES]



Visual Arts Center | Super 2nd Saturday
February 11, 2017 | **Printmaking Palooza**



Join us each 2nd Saturday as artwork comes to life through hands-on activities and unique tour experiences!

Learn about printmaking at the Visual Arts Center! Visitors of all ages are invited to join us for a special Printmaking Demo with artist Chad Nelson and the Brandon Valley High School Art Club. Then, visit our new exhibition of local printmaker and art collector Carl Grupp's work and collection, *Carl Grupp: Artist and Collector*.

In the Raven Children's Studio, join us for Storytime and an art project. Using our special stencils, make a leaf rubbing masterpiece, and enjoy a little bit of spring in the middle of winter. Then, visit our exhibition *Elsewhere and Here* by Ceca Cooper, featuring art inspired by nature.

RAVEN CHILDREN'S STUDIO

10 a.m.-2 p.m. | **Art in Nature: Leaf Rubbing.** Use our special leaf stencils to create a masterpiece!

10:30 a.m.-11:15 a.m. | **Storytime.** Join us for interactive storybook fun!

GALLERIES

10 a.m.-5 p.m. | **Scavenger Hunts available at the VAC front desk**

11 a.m.-1 p.m. | **Printmaking Demos.** Join us for a behind-the-scenes look at printmaking with artist Chad Nelson and the Brandon Valley High School Art Club.



Experience **Your** Washington Pavilion



Kirby Science Discovery Center | Super 2nd Saturday
February 11, 2017 | **Engineering**

Join us each 2nd Saturday as science comes to life through hands-on activities and unique demonstration experiences!

Discover the world of engineering! Featuring special presenters and hands-on activities where you can discover why engineering is so important in our world. Visit the Engineering Lab on 3rd floor to explore activities with South Dakota Engineering Society and Southeast Technical Institute or head up to the 4th floor for an engineering challenge!

DEMONSTRATIONS:

11:15 a.m. - 1:15 p.m. | **Engineering our World:** 3rd floor Stage Science

Learn how simple machines inspired Leonardo da Vinci's experiments and futuristic inventions.

ACTIVITIES:

Engineering Lab: 3rd floor next to Stage Science

Paper Rollercoaster: Design a rollercoaster using only recyclable items like paper.

Imagination Playground: Complete a challenge on 4th floor using our new blue blocks to create life-size creatures and robots.

GUEST PRESENTERS:

South Dakota Engineering Society: Work through a water tower challenge with local Civil Engineers.

Southeast Technical Institute: Learn how surveyors make maps for their projects from Civil Engineering Technology and Land Surveying Science program students.

WELLS FARGO CINEDOME:

10 a.m. | Journey to Space

1:45 p.m. | TBD*

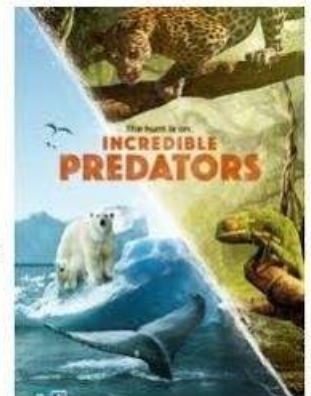
11 a.m. | Incredible Predators

*\$3 youth, \$5 adults

12 p.m. | Journey to Space

Admission to the CineDome can be purchased at the [Box Office](#) in the main floor lobby or at the [Discovery Store](#) on the second floor.

1 p.m. | Extreme Weather



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