

# The Engineering Informer

## INSIDE THIS

### ISSUE:

<b>TREASURER'S REPORT</b>	<b>2</b>
<b>CALENDAR</b>	<b>2</b>
<b>STAMPEDE HOCKEY</b>	<b>2</b>
<b>AWARDS &amp; SCHOLARSHIPS</b>	<b>3</b>
<b>DESIGN CHALLENGE</b>	<b>4</b>
<b>BANQUET PICS</b>	<b>5</b>
<b>THANK YOU</b>	<b>6</b>
<b>THANK YOU</b>	<b>7</b>
<b>WEBEX LOGIN</b>	<b>8</b>
<b>MISC.</b>	<b>8</b>
<b>ADVERTISEMENTS</b>	<b>9</b>

**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 instructions on how to use WebEx on page 6 of this newsletter.

## IMPORTANT NEWS

### NEXT MEETING:

March 10th, 11:30 AM @ Pizza Ranch on 41st Street

- Dave Burwitz and Mike Gutenkauf from Clark Engineering will present on the Spring Creek Drainage Improvements project .

### NEW MEMBERS:

- Luis Duque, SDSU Student
- Daniel Ostrem, USDA

## PRESIDENT'S COLUMN

BY RYAN JOHNSON-PE

Hello Eastern Chapter Members,

The annual Awards Banquet held on February 28<sup>th</sup> at the Downtown Holiday Inn was a fantastic success. Erin Steever and Wes Philips organized the event which included a short presentation by Mayor Mike Huether, awards, and entertainment by Mike Bliss, a comedian/illusionist/juggler from Kansas City. It was a great time and our hope is to make next year's event even bigger and better!

Congratulations to engineers, projects, and scholarship winners. Thank you to members from ASCE who participated as well. If you are a professional engineer affiliated with other professional societies such as IEEE and ASME, consider working with them to attend this event as well. SDES/NSPE advocates for all engineering disciplines.

Many other events were held during the month of February as well. These events included:

- ♦ "Engineering with Leo" on February 6 at the Washington Pavilion's Kirby Science & Discovery Center.
- ♦ STEM Girls at George McGovern, Whittier, and Edison Middle Schools in Sioux Falls, SD
- ♦ Math Counts at Morningside Community Center.

Thanks to everyone who volunteered to work at these events.

Our next monthly meeting will be March 10<sup>th</sup> from 12:00 to 1:00 at the 41<sup>st</sup>

Street Pizza Ranch. Our presenters will be Dave Burwitz and Mike Gutenkauf from Clark Engineering who will present on the Spring Creek Drainage Improvements project. This project was a candidate for the People's Choice award and received many votes. As always, come early to socialize with your peers. (Please note, the meeting will not be held at Hancock Concrete as previously mentioned.)

Thank you to Shannon Ausen from the City of Sioux Falls for presenting the capital programs for both the City of Sioux Falls and SD DOT at our February monthly meeting. Also, thanks to Craig Smith from the SD DOT for the bonus presentation on the Governor's recommended transportation funding package.

The April monthly meeting will be April 14<sup>th</sup> from 12:00 to 1:00 at the 41<sup>st</sup> Street Pizza Ranch. Our presenter will be John Walters, PMP from Construction Support Services, who will present on the Critical Path Method for construction phase planning. This will be a presentation that you will not want to miss.

Please help me in welcoming new members Luis Duque who is a student at SDSU and Daniel Ostrem from Mitchell who works for the USDA.

Have a great spring and thank you!

Ryan Johnson

**TREASURER'S REPORT**

BY LANCE WEATHERLY, PE

**IMPORTANT CALENDAR ITEMS****EASTERN CHAPTER MEETINGS:**

- February 10, 11:30 @ Pizza Ranch on 41st Street
- March 10, 11:30 @ Hancock Concrete Products
- April 14, 11:30 @ Pizza Ranch on 41st Street

**Eastern Chapter Hockey Outing**

March 26, 2015, 7:05PM  
Denny Sanford Premier Center

**2015 Annual Conference**

April 8, 2015  
Ramkota Hotel, Pierre

	Balance as of	3/6/2015	
<b>Previous General Fund Balance</b>	<b>2/5/2015</b>		<b>\$ 19,873.97</b>
<b><u>Expenses:</u></b>			
Board Planning	\$	(86.40)	
Fall PDH Conf. deposit	\$	(500.00)	
Banquet expense - awards	\$	(235.32)	
Board Planning	\$	(77.93)	
Banquet Expense - overpayment reimbursement	\$	(25.00)	
WebEx (February)	\$	(51.94)	
Banquet Expense - Entertainment	\$	(736.00)	
speaker lunch - February	\$	(21.38)	
Total	\$	(1,733.97)	
<b><u>Deposits:</u></b>			
Interest (February)	\$	2.11	
Banquest Revenue	\$	1,250.00	
Total	\$	1,252.11	
<b>Total General Fund</b>			<b>\$ 19,392.11</b>
<b>Previous Scholarship Fund Balance</b>	<b>2/5/2015</b>		<b>\$ 7,845.86</b>
<b><u>Expenses:</u></b>			
Scholarship expenses	\$	(9.41)	
Total	\$	(9.41)	
<b><u>Deposits:</u></b>			
Total	\$	-	
<b>Total Scholarship Fund</b>			<b>\$ 7,836.45</b>
<b>Total Account Balance</b>			<b>\$ 27,228.56</b>

THURSDAY MARCH 26<sup>TH</sup>

@ 7:05 P.M.

**SDES Hockey Outing**

Come out and cheer on the Herd as they battle the Fargo Force in their new home at the Denny Sanford Premier Center. The Eastern Chapter will purchase the tickets for all members that attend. Families are encouraged to attend and ticket prices will be at a reduced group rate. Bring a new member and be eligible for a \$50 raffle prize to be shared between you and your guest. RSVP to glaber@stockwellengineers.com

To add a calendar item, please contact Josh Peterson at JPeterson@siouxfalls.org

## **EASTERN CHAPTER AWARDS AND SCHOLARSHIPS— LANCE WEATHERLY, PE**

The Eastern Chapter of the South Dakota Engineering Society (SDES) held its annual awards banquet on Saturday, February 28, 2015 at the Downtown Holiday Inn – City Centre in Sioux Falls, SD. The Honorable Mayor Mike Huether provided the keynote speech to a group of 90 attendees representing a wide array of engineering disciplines. Chad Hanisch, P.E. with Infrastructure Design Group based in Sioux Falls, SD was awarded the Eastern Chapter Engineer of the Year. Michelle Carter, P.E. with HDR Engineering in Sioux Falls, SD was awarded the Eastern Chapter Young Engineer of the Year. The first Eastern Chapter project of the year award recipient was the Denny Sanford PREMIER Center represented by the City of Sioux Falls. The second Eastern Chapter Project of the Year award recipient was the Bel Brands Wastewater Pre-Treatment Facility designed by Banner Associates based in Brookings, SD. Chapter award winners will compete at the state level during the South Dakota Engineering Society's Annual Conference to be held April 9th and 10th in [Pierre](#) .

The SDES Eastern Chapter is funding \$8,800 in Engineering scholarships in 2015, whose scholarship recipients were recognized at the Eastern Chapter banquet. Nicholas Zolnowsky from Parkston, SD, the recipient of a \$2000 Engineering scholarship, plans to attend South Dakota State University and major in Civil Engineering. Alex Spies from Watertown, SD, the receipt of a \$2000 Engineering scholarship, plans to attend South Dakota School of Mines & Technology and major in Mechanical Engineering. Jamison French from Brookings, SD, the recipient of a \$2000 Engineering scholarship, plans to attend South Dakota State University and major in Mechanical Engineering. James Hisek from Yankton,SD, the recipient of a \$1000 Engineering scholarship, currently attends South Dakota State University majoring in General Engineering. John Miller from Minnetonka, MN, the recipient of a \$1000 Engineering scholarship, currently attends South Dakota State University majoring in Operations Management and German. Emily Lawrenson from Beresford, SD, the recipient of a \$800 Engineering scholarship, plans to attend South Dakota State University and major in Civil Engineering.

The South Dakota Engineering Society is a state affiliate of the National Society of Professional Engineers. The Society's mission is to promote 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. All engineering professionals are encouraged to participate. More information can be found at the state's website: <http://sdes.org/>

## DESIGN CHALLENGE—ERIN STEEVER, PE

Design Challenge is an annual Pavilion program that aims to motivate and inspire innovation in students in grade K-12 through a hands-on engineering challenge. We've just announced this year's Design Challenge, which will take place on Saturday, March 28. We are looking for volunteers to help with the various activities of this very exciting day!

There are a variety of opportunities to help:

- **Part I Judge:** Working in teams of two, Part I judges evaluate the “At Home” part of the challenge, where teams must build a working device that theoretically could make potable drinking water, and demonstrate their device on-site during Design Challenge. Devices will be judged using specific criteria, which Part I Judges will receive prior to March 28. No prior knowledge is required, but familiarity with camping/nature/basic science concepts would be helpful.
- **Part II Judge:** Working in teams of two, Part II judges evaluate the “On-Site” part of the challenge, where teams are given a series of wilderness survival situation cards and a crate of materials, and must complete the tasks on the situation cards within a certain timeframe. Task completion will be judged using specific criteria, which Part II Judges will receive prior to March 28. No prior knowledge is required, but familiarity with camping/nature/basic science concepts would be helpful.
- **Master of Ceremonies:** The Master of Ceremonies announces teams as they begin the on-site challenge, possibly doing interview with team members, offering a play-by-play commentary at times. Individuals with outgoing personalities are preferred.
- **Environmental Assistants:** The location of the on-site challenge will be a simulated prairie, where rocks, fake trees, “rivers” of water, etc. will be set up. Environmental Assistants reset the environment after each team completes the on-site challenge.
- **Registration/Information Table:** These individuals assist with team check-in, passing out schedules and team gift bags, answer questions about locations, etc.
- **Youth Area:** We plan to have a kids area with activities for younger siblings to participate in while others are competing. Parents would be required to remain in the same room as the activity area, but volunteers in the Youth Area need to be welcoming and engaging. Previous experience with young children is preferred.

Below is the link to the Volunteer Sign Up.

[https://urldefense.proofpoint.com/v2/url?u=https-3A\\_docs.google.com\\_spreadsheets\\_d\\_1ZOpihP92W54qyxRJ6iEwfcWlpuk7G-2D2j9t1myxd2bSE\\_edit-3Fusp-3Dsharing&d=AwlF-g&c=IONHArOjSDrD7xnFRHVIR3e4819iOzc-JNGd6QSdb8k&r=ddplrEMAMQNivlLdqab-SdGnjAZhS81VOj8U2EapjJs&m=8kjX6hy91-zHzDRQH30m3Sfxj3oclzTxpnL82nfAf7Y&s=Xekq77t1cqmH8jd5mzymcD2afUIY4SvAfNh1Kp8z7nU&e](https://urldefense.proofpoint.com/v2/url?u=https-3A_docs.google.com_spreadsheets_d_1ZOpihP92W54qyxRJ6iEwfcWlpuk7G-2D2j9t1myxd2bSE_edit-3Fusp-3Dsharing&d=AwlF-g&c=IONHArOjSDrD7xnFRHVIR3e4819iOzc-JNGd6QSdb8k&r=ddplrEMAMQNivlLdqab-SdGnjAZhS81VOj8U2EapjJs&m=8kjX6hy91-zHzDRQH30m3Sfxj3oclzTxpnL82nfAf7Y&s=Xekq77t1cqmH8jd5mzymcD2afUIY4SvAfNh1Kp8z7nU&e)

Please feel free to contact Lynne Jones with any questions.

Lynne N. Jones  
Science Education Program Coordinator  
605 | 731 | 2374

[ljones@washingtonpavilion.org](mailto:ljones@washingtonpavilion.org)



# EASTERN CHAPTER BANQUET PICTURES





South Dakota  
State University

Jerome J. Lohr College of Engineering

Office of the Dean

Crothers Engineering Hall 201, Box 2219  
South Dakota State University  
Brookings, SD 57007-0096  
Phone: 605-688-4161  
Fax: 605-688-5878

February 18, 2015

Patrick Schwebach, PE  
Eastern Chapter South Dakota Engineering Society  
P.O. Box 1512  
Sioux Falls, SD 57101

Dear Mr. Schwebach:

Thank you for your generous contribution of \$2,000 for the Eastern Chapter South Dakota Engineering Scholarship Fund in the Jerome J. Lohr College of Engineering given in December. Scholarships are a tremendous way to help us recruit and retain the very best students, and they are only made possible by the generosity of donors like you.

Thank you for your support of our engineering students at South Dakota State University.

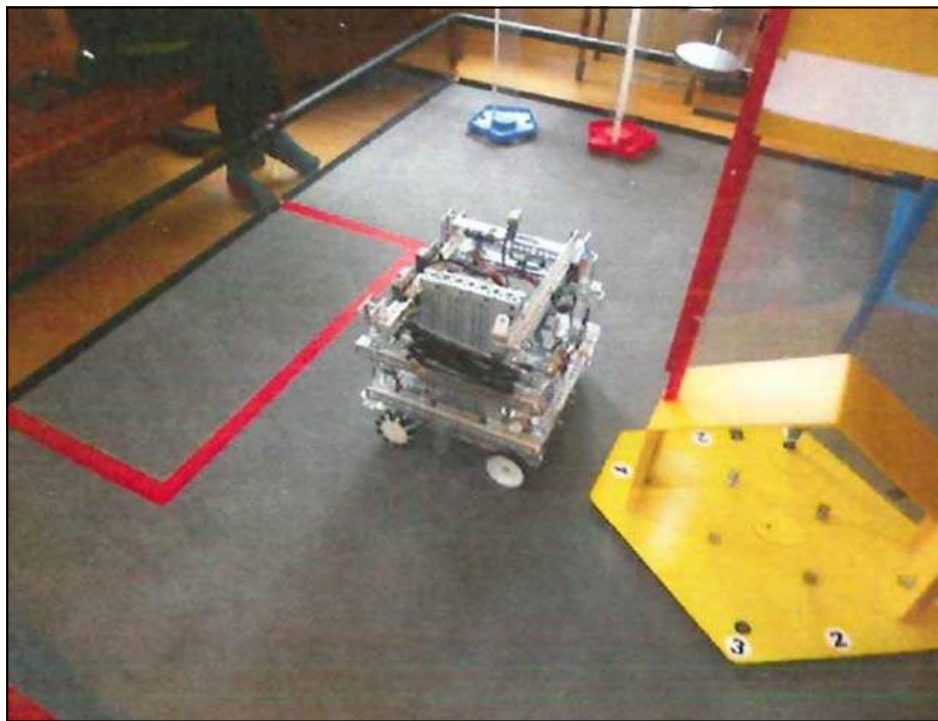
Sincerely,

Lewis F. Brown, Ph.D.  
Dean of Engineering

LFB:lr



# THANKS



Dear Erin,

Thanks so much for your donation of \$1,000! We have used the funds for parts of our robot and traveling to competitions. I have enclosed a picture of Legoless. We can't express enough how grateful we are for your help. We hope to continue and strengthen our relationship with your organization in the future! Thanks Again!

Leo Mullen  
FTC 7123

The Fellowship of the Loose Screws

We are on the web

<http://www.sdes.org/>

### 2014-2015 OFFICERS AND CHAIRPERSONS

#### Officers

President	Ryan Johnson, PE
President Elect	Ray Pierson, PE
Vice President	Kurt Peppel, PE
Secretary/Treasurer	Lance Weatherly, PE
Chapter Director(2nd term)	Travis Clark, PE
Chapter Director(1st term)	Joshua VandenBos, EIT
State Director	Kristen Gundvaldson, PE
Past President	Phil Gundvaldson, PE

#### Committees

Nominating Committee	Paul Korn, PE
Mathcounts	Phil Gundvaldson, PE
Scholarship	Lance Mayer, PE
Events Coordinators	
eWeek	Erin Steever, PE
STEMS Girls	Erin Steever, PE
Free First Fridays	Erin Steever, PE
Winter Social	Gabe Laber, PE
Golf Outing	Gabe Laber, PE
Awards	Brad Ludens, PE
Audio/Visual IT	Chad Stensland, PE
Newsletter	Joshua Peterson, PE
Membership List	Myron Adam, PE

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

#### CONTACT:

JOSHUA PETERSON, PE  
CITY OF SIOUX FALLS, PUBLIC WORKS  
224 W NINTH STREET  
PO BOX 7402  
SIOUX FALLS, SD 57117-7402  
605-367-8616  
[jpeterson@siouxfalls.org](mailto:jpeterson@siouxfalls.org)

#### 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.



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](mailto:Gail.Boddicker@sdsmt.edu)

## SDES MISSION STATEMENT

SDES 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.

#### 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](http://www.sdes.org) to





# MINNEHAHA COUNTY

## Minnehaha County Highway Department

2124 East 60th Street North  
Sioux Falls, SD 57104  
(605) 367-4316  
www.minnehahacounty.org

Transportation Excellence.

www.bannerassociates.com

Brookings  
Sioux Falls  
Vermillion  
Milbank  
Rapid City

Toll Free  
1.855.323.6342

Civil/Transportation  
Municipal Engineering  
Land/Site Development  
Water Treatment, Storage & Distribution  
Wastewater Collection & Treatment  
Water Resources  
Surveying

**BANNER**  
Engineering | Architecture | Surveying



Providing Quality Engineering  
for over 60 years!

- Aviation
- Electrical Power
- Civil / Survey
- Water / Wastewater

Sioux Falls, SD 605.339.4157  
Rock Rapids, IA 712.472.2531  
Sioux City, IA 712.266.1554

email: dgr@dgr.com - website: dgr.com

**SERVING OUR COMMUNITIES FOR OVER 100 YEARS.**

Phone 605.334.4499 | Learn more at HRGreen.com

TRANSPORTATION | WATER | GOVERNMENTAL SERVICES | SENIOR LIVING | ENERGY | LAND DEVELOPMENT

**LASTING PRECAST SOLUTIONS FOR AMERICA'S INFRASTRUCTURE**

**Hancock**<sup>TM</sup>  
www.hancockconcrete.com

Sioux Falls, SD | Devils Lake, ND  
Lake View, IA | Hancock, MN  
Cannon Falls, MN | Courtland, MN | Moorhead, MN

**JSA ENGINEERS AND LAND SURVEYORS**  
Land Development • Municipal • Streets • Water • Sewer • GPS • Construction Staking

6810 S. Lyncrest Avenue • Suite 101  
Sioux Falls, South Dakota 57108-2515  
605-367-1036 • Fax 605-367-1002

**Ulteig** Engineering, Surveying, and Consulting Services

5701 South Corporate Place  
Suite 1  
Sioux Falls, SD 57108  
Tel: 605-323-2306

[in](#) [f](#) [t](#) [You Tube](#)

www.ulteig.com

**YOUR SOURCE FOR CONSTRUCTION MATERIALS**

**BROCKWHITE**  
CONSTRUCTION MATERIALS

**SIOUX FALLS**  
818 East 50th Street N  
605-339-1977 1-888-265-5315  
www.BrockWhite.com

HELPING BUILD YOUR SUCCESS



**GEOTEK** GEOTEK ENGINEERING & TESTING SERVICES, INC.

*Resources for Design & Construction*

909 East 50<sup>th</sup> Street North  
 Sioux Falls, South Dakota 57104  
 P: 605-335-5512 F: 605-335-0773  
 1-800-354-5512  
 www.geotekeng.com



Geotechnical Engineering · Construction Materials/NDT  
 Environmental · Indoor Air Quality/Industrial Hygiene



**CITY OF SIOUX FALLS  
 PUBLIC WORKS**

Providing a Better Quality of Life for You!

**Engineers Supporting SDES Eastern Chapter:** Shannon Ausen, Andy Berg, Nick Borns, Mark Cotter, Jeff DesLauriers, Kerry Ellis, Rod Harms, Heath Hoftiezer, Chad Huwe, Ryan Johnson, Dena Knutson, Brett Lovro, Brad Ludens, Jacob Maras, Troy Miller, John Osman, Kurt Peppel, Mark Perry, Josh Peterson, Wes Philips, Nick Ritter, Tim Stefanich, Curt Struck, Josh VandenBos, Shannon VerHey, Lance Weatherly



**SUPPLYING PRECAST  
 CONCRETE PRODUCTS  
 FOR OVER 90 YEARS**

CONCRETE PIPE



ARCH PIPE



TUNNELS & UNDERPASS



MANHOLES & INLETS



ARCH BRIDGE



BOX CULVERTS



Our Precast Concrete Products have withstood the test of time, providing quality, dependable services for over 90 years to cities and counties in South Dakota.

**SALES REPRESENTATIVES**

**Steve Myer, PE**  
 Eastern SD Sales  
 Cell: 605-933-0112  
 Fax: 605-718-0808

**Bill Huber**  
 Western SD Sales  
 Cell: 605-209-0979  
 Fax: 605-718-0808

**Dan Bjerke, PE**  
 Bridges and Box Culverts  
 Cell: 605-381-0493  
 Fax: 605-718-0808

www.cretexconcreteproducts.com

**Subsurface  
 Utility Exploration™**

**Brent Anderson**  
 605.351.5139

**Evan Dailey**  
 205.903.3260

PO Box 1206, Sioux Falls, SD, 57101

"Providing quality, professional utility locating services for the region since 2002"

**SAVE MONEY**

and gain effective capacity quickly and affordably with  
 Ess Brothers & Sons, Inc. I & I Prevention Products

FLEX SEAL  
 UTILITY  
 SEALANT®



9350 County Road 19  
 Loretto, MN 55357  
 Phone: (763) 478-2027

Go to [www.essbrothers.com](http://www.essbrothers.com)  
 to see details on all our  
 products.



INFI-SHIELD®  
 UNI-BAND



1111 N. Lake Avenue  
 Sioux Falls, SD 57104

**605-271-5527**

[infrastructuredg.com](http://infrastructuredg.com)



Municipal Engineering | Transportation Engineering/Planning | Water Resources  
 Site Development | Construction Observation | Parks & Recreation  
 Land Surveying

# DAKOTA PUMP INC.

*The Total Solution*

## Sewage Pump Stations

- Wet Well Mounted Lift Stations
- Flooded Suction Lift Stations
- Self-Priming Lift Stations
- Obround Package Pump Stations

## Water Pump Stations

- Modular Water Booster Stations
- Grade Mounted Water Booster Stations
- Water Booster Pump Stations
- Water Control Vaults

### Offices:

po box 947  
25524 413th Ave  
Mitchell, SD 57301  
ph. 605.996.6636 | fax. 605.996.6067

[www.dakotapump.com](http://www.dakotapump.com)

# H&W Contracting, LLC

**Thomas Hurd**  
President/Owner

3416 W. Hovland Drive  
Sioux Falls, SD 57107  
Phone: 605/339-8834  
Fax: 605/339-9175  
Cellular: 605/351-3339  
E-mail: [tom@h-wcontracting.com](mailto:tom@h-wcontracting.com)



# Certified Testing Services, Inc.

Geotechnical Engineering - Construction QC - Construction Observation - Materials Testing

**SIOUX CITY**  
(712) 252-5132

**STORM LAKE**  
(712) 213-8378

# Ideas transform communities



Sioux Falls 605.977.7740  
[hdrinc.com](http://hdrinc.com)



## Durable. Dependable. Delivered.

Call CEMCAST today and let us put our concrete expertise to work for you.

Reinforced Concrete Pipe • Concrete Manholes

26088 466th Avenue Hartford, S.D., 57033 Phone 605 528 3530 Fax 605 528 3531

To advertise in this publication, contact Joshua Peterson at: [jpeterson@siouxfalls.org](mailto:jpeterson@siouxfalls.org) or 367-8616.

The cost is \$75 for a standard business card-size advertisement.

*Thank you to all of you who continue to generously support the Eastern Chapter of SDES.*