

Watts CURRENT

MTI Students Win, Place at National SkillsUSA

Ryan Risseuw, Clear Lake, a first-year Electrical Construction and Maintenance student at MTI, placed first in the nation, receiving a gold medal in Residential Wiring at the SkillsUSA Championships held in June in Kansas City, Missouri. Risseuw had previously won the state competition for the right to compete at the national event.

More than 5000 students from across the country competed in 91 contests held June 24-27, 2008.

The SkillsUSA Championships is the national-level competition for public high school and postsecondary college and technical students enrolled in trade, technical, and skilled service profession instructional programs including allied health occupations. SkillsUSA organizes this event as the single greatest day of industry competition in America every year at an estimated cost of \$30 million.

A total of eight students from MTI traveled to the annual event. Other students and their competitions and places included:

Marissa Blais	5th place	First Aid/CPR
Cory Schoenfelder	6th place	Sheet Metal
Kody Bullock	7th place	Industrial Motor Controls
Nick Waldner	7th place	Electronics Applications
William Quinn	11th place	HVAC
Michelle Kats	13th place	Computer Maint. Tech.
Josh Hagen	22nd place	Culinary Arts

They were accompanied by MTI advisers Amanda Patzer and Kelly Odens.

Thank you to our 2008 Conference Sponsors

Border States Electric Supply

Butler Machinery Company

Cooper Lighting

Dakota Supply Group

J.H. Larson Electrical Company

Muth Electric, Inc.

SD Municipal Electric Association

Touchstone Energy Cooperatives

of South Dakota

Underwriters Laboratories

2009 Annual Conference

Hosted by the Black Hills Chapter

April 24-25, 2009

Ramkota Hotel, Rapid City

Inside this Issue

President's Notes	2
2008 Person of the Year - Harold Kortum.....	2
Arne Electro Tech Seminars	3
Website Advertising Contract.....	4
Person of the Year Nomination Form.....	5
Video Order Form	6
Commission and Chapter News.....	7
Calendar of Events	8

Check www.sdec.org for the latest Chapter meeting dates.

PRESIDENT'S NOTES - Mike Miller

2008 Person of the Year - Harold Kortum

*Thank you
to
Ron Nagel
for your service to the
South Dakota
Electrical Council Board*

Harold Kortum was born and raised on a ranch south-west of Presho, South Dakota where he attended High School. He enlisted in the United States Marine Corps where he served during the Korean War. On his return to South Dakota, he married and moved to Columbia Falls, Montana. He was employed by Plum Creek Lumber Company as an Apprentice Electrician. He attended classes and training with the Electrical Workers Union at the Aluminum Plant near Columbia Falls. After several years of working at Plum Creek, he returned to South Dakota and the family farm. He raised four children and worked in the winter months as an Electrician. He then moved to Pierre, South Dakota where he worked for Mid Dakota Electric and Ferding Electric.

In 1978, he began employment with the South Dakota Electrical Commission. He inspected in the Western fourth of South Dakota and in the early 1980's he had an area from Lemmon to Martin to the Wyoming border. He has lived in Custer, South Dakota since his employment with the State.

Harold's philosophy with inspections was if he could not give you a reason for a code requirement you would, you have to do it. His advice to new inspectors was you had to be able to go in a homeowner wired house that was all wired wrong and before you left everything will be done right and the owner will think it was their idea.

Harold considered himself an electrician's inspector because he learned everything about wiring by doing it. He also tried to get electricians to take pride in their work and complimented them, when they did.

**Upcoming Board Meeting
January 29, 2009
Ramkota Hotel
Rapid City, South Dakota**

SDEC Advertising Rate Sheet

The "Watts Current" is a semi-annual (8 1/2 x 11) publication that is mailed to our membership, and advertisers. The current mailing list exceeds 1100 people. We mail the publication in March and October.

Ads are due to our office by the **15th of the month prior to publication.**

Page	Approximate	Rates	
Size	Dimension	Issue	Year
Full	7.5" x 9.5"	\$200	\$325
Half	5" x 7.5" or 3.5" x 9.5"	\$75	\$140
Quarter	3.5" x 5"	\$50	\$90
Eighth	3.5" x 2.25"	\$35	\$50

For more information contact:
South Dakota Electrical Council
Kelli Fuhrmann, Council Administrator
PO Box 1820
Sioux Falls, SD 57101-1820
(888) 299-1675 or (605) 339-8888
sdec@iw.net - www.sdec.org

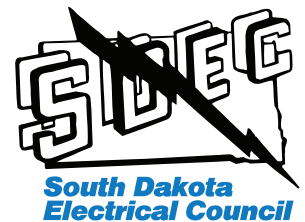
Board of Directors

Mike Miller President
Mike Fisher Vice-President
Kelli Fuhrmann Council Administrator

Board Members

Craig Anderson
Douglas Hamilton
Steven Hietpas
Ray Kub
Marty Larson
Roger Larson
Carl Maas
Tom Nelson
Mike Sprang
Jeff Stone
Troy Swift

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STRENGTH FOR THE FUTURE*



www.sdec.org

NEC Code Classes

“Continuing Education is Your Best Investment in the Future”



Arne Electro-Tech Seminars

P.O. Box 2272 Rapid City, SD 57709-2272

(605) 342-9088 Fax: (605) 342-9087

Website: www.AETech.com

1-888-603-5050 toll free

Email: Arne@AETech.com

The Instructor: **Steve Arne** is an experienced Electrician, Licensed Inspector and Certified Technical Educator with over 20 years of electrical teaching experience. Steve is the Technical Editorial Director for Mike Holt Enterprises.

2008 NEC Code Update Class

Approved for 16 hours of Code in SD & WY and also accepted in other states

Rawlins, WY	Holiday Inn Express	Oct. 14-15, 2008 (Tues-Wed)	NEC Code Update
Cheyenne, WY	Holiday Inn	Oct. 17-18, 2008 (Fri-Sat)	NEC Code Update
Mitchell, SD	Ramada	Oct. 24-25, 2008 (Fri-Sat)	NEC Code Update
Gillette, WY	Holiday Inn Express	Oct. 30-31, 2008 (Thur-Fri)	NEC Code Update
Casper, WY	Holiday Inn Express	Nov. 21-22, 2008 (Fri-Sat)	NEC Code Update
Huron, SD	Crossroads Hotel	Dec. 12-13, 2008 (Fri-Sat)	NEC Code Update
Rapid City, SD	Rushmore Plaza Holiday Inn	Jan. 16-17, 2009 (Fri-Sat)	NEC Code Update
Huron, SD	Crossroads Hotel	May 28-29, 2009 (Thur-Fri)	NEC Code Update

Hours: 7:30 AM sign in, 8 AM class starts; **PLEASE REGISTER at AETech.com or PHONE 605-342-9088**

Cost: \$195.00 for 16 hrs/ \$135 for 8 hrs. (includes class workbook or reference book)

Discount: Advance Registration, paid 14 days before class \$185.00 for 16 hrs / \$125.00 for 8 hrs.

You Can Pass Your Electrical Exam!

NEC Electrical Code Calculations for Exam Prep

Complete your continuing education requirements while you study for a licensing exam!

Approved for 16 hours of Code in SD & WY and also accepted in other states, including NE

Rapid City, SD	AETech Conference Room	Oct 9 - 10, 2008 (Thur-Fri)	Exam Prep
Rapid City, SD	AETech Conference Room	Nov. 6-7, 2008 (Thur-Fri)	Exam Prep
Rapid City, SD	AETech Conference Room	Dec. 4-5, 2008 (Thur-Fri)	Exam Prep
Rapid City, SD	AETech Conference Room	Jan. 8-9, 2009 (Thur-Fri)	Exam Prep
Rapid City, SD	AETech Conference Room	Feb. 5-6, 2009 (Thur-Fri)	Exam Prep
Rapid City, SD	AETech Conference Room	Mar. 5-6, 2009 (Thur-Fri)	Exam Prep
Rapid City, SD	AETech Conference Room	Apr. 2-3, 2009 (Thur-Fri)	Exam Prep

Check our website or call us for updates as more classes will be added.

Hours: 7:30 AM sign in, 8 AM class starts; **PLEASE REGISTER at AETech.com or PHONE 605-342-9088**

Cost: \$355.00 16 hours; includes Mike Holt's Exam Prep book (required): \$295.00 without book

Discount: Advance Registration, paid 14 days before class date: \$335.00 with book, \$275.00 without book

- Exam Prep Guarantee: If you do not pass your electrical exam after taking this class, you may retake it for half price within six months of attending the class

Advanced Master Exam Prep

Approved for 8 hours of Code in SD, WY and NE

This class is intended to cover some of the more advanced topics that we don't have time for in the 2-day Exam Prep class.

This class is to be taken in addition to the Exam Prep Class.

Rapid City, SD	AETech Conference Room	Oct. 11, 2008 (Sat)	Master Commercial Calculations
Rapid City, SD	AETech Conference Room	Jan. 10, 2009 (Sat)	Master Commercial Calculations
Rapid City, SD	AETech Conference Room	Apr. 4, 2009 (Sat)	Master Commercial Calculations

Prerequisite: must have taken the Exam Prep class within the last year. **Book: Mike Holt's Exam Prep**

Hours: 7:30 AM sign in; 8 AM class starts; **PLEASE REGISTER AT AETech.com or PHONE 605-342-9088**

Cost: \$160.00 + \$60 for Exam Prep book (book required)

Discount \$150.00 (advance registration, paid 14 days before class) + \$60.00 for Exam Prep Book

Get Email Schedule Updates

Go to AETech.com/schedule.htm and sign up for email updates

Visa- Master Card- Discover/ Novus- American Express

All classes are subject to enrollment limits and enrollment minimums.

(all prices, dates, and locations are tentative and are subject to change)

Visit our Web site at: <http://www.AETech.com>

Electrician Books and Training Videos can be Ordered Online!



“In God we Trust”

SOUTH DAKOTA ELECTRICAL COUNCIL
WEBSITE ADVERTISING CONTRACT 2009

Since the launch of the SDEC Web site in early 2005, activity has increased to an average of over 1000 visitors per month. This year, with the implementation of online RSVP for monthly meetings, even more people in the electrical industry will be visiting the site. Please review the following advertising rates, and ad formats, for the calendar year 2009.

_____ Option 1 Page width x 2” \$300.00 for 12 month contract

_____ Option 2 Business Card Size \$150.00 for 12 month contract

Your Logo, with a direct link to your web site will appear on the SDEC site.
Please email your camera ready company Logo in jpeg or gif format, to: webmaster@aetech.com
Please limit Advertising to Logo only. SDEC reserves to right to control advertisement content.

***** Please Complete the Banner Advertising Contract Below *****

Name for Ad _____

Link for Ad _____

Company Name _____

Contact Person _____

Company Address _____

Phone: _____ Fax: _____

EMAIL Address _____

_____ Payment Enclosed _____ Please Invoice our Company

Date _____ Authorized Signature _____

Please return this form along with payment to the:
South Dakota Electrical Council
P.O. Box 1820
Sioux Falls, SD 57101-1820
Phone (888) 299-1675 Fax (605) 367-8998 sdec@sdec.org
THANK YOU FOR YOUR SUPPORT OF SDEC

“Education is not merely meeting a requirement, but the pursuit of continued growth in self and industry.”



SOUTH DAKOTA ELECTRICAL COUNCIL

Person of the Year Requirements and Nomination Form

1. The person must have been active in the electric industry for a period of at least fifteen (15) years.
2. The person must be recognized as an authority in his segment of the electric industry in South Dakota.
3. The person must be recognized for his/her sincerity, willingness, tactfulness, sobriety in connection with his/her approach to the advancement of the electric industry, and for having devoted time and energy above and beyond that of the normal course of his/her work.
4. He/She must have made contributions to the practice of electric education, safety, generation transmission or utilization within the State of South Dakota.
5. He/She must be recognized as one who over the years has also made significant contributions outside of those within the industry and one who has been active in the general public interest.
6. One other consideration should be to someone with fewer years in the electrical business but who has done outstanding work in promoting electricity. (Amended - December 16, 1966)
7. An effort shall be made to award this achievement to the person in the proximity of the annual conclave. (Amended - December 7, 1987)
8. The president of the SDEC shall present an award, to the achievement winner along with a lifetime membership to the SDEC. (Amended - April 7, 1987)

Name: _____

Nominee Phone Number: _____

Nominee Local Chapter: _____

Submitted by: _____

Contact Address: _____

Phone: _____

Email: _____

Return the nomination form to: **Mike Sprang by January 26, 2009.**

Mike Sprang
JH Larson Electrical Company
3501 South Phillips Ave
Sioux Falls, SD 57105

SDEC VIDEO ORDER FORM

Videos are available for current members and chapters. Please circle up to 4 Videos and return to SDEC, PO Box 1820, Sioux Falls, SD 57101-1820.

SERIES VOLUME #	TITLE OF VIDEO	LENGTH OF VIDEO
NEC EXPERT - 2005 NFPA SERIES 2005		
NFPA 1	Grounded Systems	54:14 minutes
NFPA 2	Overcurrent Protection of Conductors	44:15 minutes
NFPA 3	Installing Services	42:42 minutes
NFPA 4	Installing Motors and Transformers	58:56 minutes
NFPA 5	Remote Control & Signaling Circuits	37:31 minutes
MASTERING THE NEC - 2005 SERIES		
NEC 1	Basic Electrical DC Calculations	1 hour 17:15 min.
NEC 2	Basic Electrical AC Calculations	1 hour 27:25 min.
NEC 3	Residential Wiring Code	1 hour 21:50 min.
NEC 4	Residential Service Calculations	1 hour 19:40 min.
NEC 5	Commercial & Industrial Service	1 hour 10:50 min.
NEC 6	Calculations -Ampacities & Derating	1 hour 25:10 min.
NEC 7	Continuous Loads, Overcurrent Protections -Transformers & Tap Rules	1 hour 15:15 min.
NEC 8	Understanding Grounding Part 1 - Systems & Services	1 hour 14:35 min.
NEC 9	Understanding Grounding Part 11 - Circuits & Equipment	1 hour 12:14 min.
NEC 10	Raceways, Boxes & Cabinets: Fill & Dimensions	1 hour 19:18 min.
NEC 11	Motor Circuits: Understanding Article 430	1 hour 18:50 min.
NEC 12	Understanding the Second Half of the Code	1 hour 31:35 min.
NEC 13	NEC 2002 Guide to Major Changes	1 hour 25:48 min.
NEC 14	Mastering the NEC 2005 Important Changes	
TOM HENRY SERIES		
501	The Exam	approx. 1.5 hours
502	Ohms Law - Theory	approx. 2 hours
503	Voltage Drop - Resistance	1 hr. 45 min.
504	Ampacity Correction Factors	approx. 1.5 hours
505	Motors	approx. 1.5 hours
506	Cooking Equipment Demand Factors	approx. 2 hours
507	Dwelling Service Sizing	approx. 2 hours
508	Box and Conduit Sizing	approx. 2 hours
509	Single Phase Transformers	approx. 2 hours
510	Three Phase Transformers	approx. 1.5 hours
511	Commercial Multifamily Service Sizing	approx. 1.5 hours
512	Motor Controls Switch Connections	approx. 1.5 hours
IAEI DVD	Analysis of Changes - 2005	
IAEI DVD	Soares Book on Grounding and Bonding PowerPoint	
IAEI DVD	Mark Shapiro Understanding & Applying Electrical Grounding	
IAEI Video	Conduit Bending Made Simple 30 minutes	
IAEI CD	Transformers / Motors & AC Equipment PowerPoint	
IAEI CD	Swimming Pools / Conductor Installations PowerPoint	
IAEI CD	Equipment Grounding & Bonding PowerPoint	
IAEI CD	Hazardous Locations PowerPoint	
IAEI CD	Health Care Facilities PowerPoint	
CDA CD	Premium-Efficiency Motors & Transformers	
CDA CD	Power Quality	

Name: _____

Mailing address: _____

City: _____ State: _____ Zip: _____

Phone: _____

Chapter: _____

SD Electrical Commission News

Commission Appointments:

Harlan E. Nielsen, Rapid City, was reappointed on April 15, 2008, to the State Electrical Commission, effective immediately and shall continue until April 14, 2011.

Larry A Simonson, Rapid City, was reappointed on April 18, 2008, to the State Electrical Commission, effective immediately and shall continue until April 14, 2011.

Jesse J. Smith, Sioux Falls, was appointed on October 7, 2008, to the State Electrical Commission, to replace Allen B. Brown, effective October 7, 2008, and shall continue until April 14, 2009.

Mission Statement

The Mission of the South Dakota Electrical Commission is the practical safeguarding of persons and property from hazards arising from the use of electricity.

Executive Director:
(Interim Director, Todd Kolden)

Address: 308 S. Pierre St.,
%1320 E. Sioux Ave.,
Pierre, SD 57501

Phone: (800) 233-7765 or (605) 773-3573
Fax: (605) 773-6213

Secretary: Roxie Mobley
Continuing Education,
Exam Information, Inspections
Email: roxie.mobley@state.sd.us

Secretary: Diana Peterson
Billing, Insurance, Licensing
Email: diana.peterson@state.sd.us

Chapter News

Support Your Local Chapter of SDEC

Black Hills Chapter

President Steve Arne (605) 342-9088

Brookings/Watertown Area Chapter

President Terry Kos
(605) 532-3696

Hub Area Chapter

President Tony Simon (605) 426-6510

Huron Area Chapter

President Carl Maas - (605) 352-8411
email: huron@sdec.org

Oahe Chapter

Sioux Chapter

President Mike Fisher (605) 323-2306
email: sioux@sdec.org

For a complete list of
upcoming Chapter meetings
www.sdec.org

Mission Statement

Founded on December 3, 1952, the South Dakota Electrical Council's purpose is to promote and improve the electrical industry within South Dakota. The council strives to promote technical and product knowledge, continuing education, and better communication among its members through trade shows, joint utility training, newsletters, awards and individual chapters of the South Dakota Electrical Council. The SDEC and its membership are committed to building cooperation, fostering goodwill, and developing pride among all segments of the electrical industry.

SDEC Calendar of Events

Save the Date:

Board of Director Meetings
January 29, 2009
April 23, 2009
Ramkota Hotel
Rapid City, SD

Open to:

- Chapter Presidents
• Chapter Representatives
• Conference Chairs
• Board Members

Chapter Meeting Information
Posted online at www.sdec.org

2009 Annual Conference
Hosted by the Black Hills Chapter
April 24-25, 2009
Ramkota Hotel, Rapid City

... "Every man owes a part of his time and money to the business or industry to which he is engaged. No man has a moral right to withhold his support from an organization that is striving to improve conditions within his sphere."
Theodore Roosevelt

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