



North Dakota



PROFESSIONAL ENGINEER

March 2003

NDSPE 62nd ANNUAL CONVENTION

April 11th & 12th, 2003

Ramkota Inn - Bismarck, ND

Thursday - April 10th

4:00 P.M. Board of Directors Meeting
6:00 P.M. Ice Breaker Social

Friday - April 11th

7:30 A.M. Registration Opens
Continental Breakfast
8:00 A.M. Convene Annual Meeting
Welcome by City Official –
Connie Sprynczynatyk
President's Report
President-Elect's Report
8:30 A.M. Ethics in Other Professions
9:30 A.M. Executive Secretary's Report
9:45 A.M. Break
**10:00 A.M. Leadership Training – The
Rainmaker Group**
12:00 P.M. Past Presidents' Luncheon
12:40 P.M. Speaker- Howard Blitman, P.E. -
NSPE President
1:00 P.M. Tour – Tesoro Refinery, Mandan
Audit Books
3:00 P.M. Manitoba Update
Saskatchewan Update
Board of Registration Report
3:30 P.M. Business Ethics – Kevin Kramer
4:30 P.M. Nominations Committee Report
Elections
Chapter Reports
5:00 P.M. Recess Meeting
5:30 P.M. Social

7:00 P.M. Banquet

Saturday - April 12th

7:30 A.M. Educational Foundation Board of
Trustees Breakfast
Chandler Award Recipients'
Breakfast
Practice Section Meetings
8:30 A.M. Continental Breakfast
9:00 A.M. Reconvene Annual Meeting
Educational Foundation Report
Committee Reports
Awards
Budget
Constitution, Bylaws & Ethics
Education
Publications
10:30 A.M. Break
10:45 A.M. Committee Reports Continue
Public Relations
Membership
Legislative
Professional Relations
11:30 A.M. Closing Session - Business Meeting
12:00 P.M. Adjourn
12:10 P.M. Board of Directors Luncheon
Meeting

North Dakota
**PROFESSIONAL
ENGINEER**

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North Dakota State Society
of Professional Engineers**

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President-elect

Gary Doerr, PE Bismarck
Vice-President

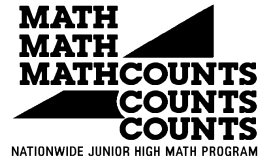
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The NORTH DAKOTA PROFESSIONAL ENGINEER is the official publication of the North Dakota Society of Professional Engineers published twice a year at Fargo, ND.

MATHCOUNTS
Linda Oster
State Coordinator



The 2002-2003 MATHCOUNTS season is nearly over. Across the state, MATHCOUNTS has received the help of over 800 volunteers. We continued to have excellent participation with 172 schools participating this year.

This year North Dakota MATHCOUNTS sponsored a t-shirt design competition. MATHCOUNTS participants throughout the state were given the opportunity to design the t-shirt to be used at the state competition. Seven entries were received with the winning entry being submitted by Kali Ann Bauer from Max, ND. Ms. Bauer's theme for the t-shirt was "Have A Brain Storm...Math Will Blow You Away." Ms. Bauer received a CD Player and a t-shirt for her winning entry. Given the success of the design competition this year, plans are being made to continue with the competition in future years.

On March 10, the State MATHCOUNTS competition was held in Bismarck at the Ramkota Inn. Mr. Jerry Marschke served as moderator with North Dakota's First Lady, Mikey Hoeven handing out awards. The 2003 Mathcounts team is as follows:

Samuel Balinghasay, Jamestown Middle School, Jamestown
Greg Brockman, South Middle School, Grand Forks
Andrew Sand, Jamestown Middle School, Jamestown
Dan Bergerson, Sullivan Middle School, Fargo
Coach Dawn Zinke, Jamestown Middle School, Jamestown

Both Samuel and Greg represented North Dakota at the National Competition as members of the 2002 ND Mathcounts team and Coach Dawn Zinke was the coach of the 2001 ND Mathcounts team. The National Competition will be held in Chicago on May 9th. The team will travel to Chicago on May 8th and will return on May 11th.

Last year and again this year, Kadrmas, Lee & Jackson purchased Team Jackets for the five member of the ND team. The State MATHCOUNTS thanks KL&J for their support of our team. We would also like to extend an offer to others who would like to contribute prizes to future state teams to contact Linda Oster at loster@kljeng.com.

ND MATHCOUNTS continues to look for several volunteers to help throughout the year with the planning and implementation of several areas of the state program. Please contact Linda Oster at (701) 355-8437 or Michael Gunsch at (701) 323-0200 if you would be willing to donate your time throughout the year.

President's Report

Roger Kluck, PE

This past year has gone by quickly. Shortly after being voted in as president, I changed career paths from private consulting to county government. The new challenges have resulted in teaching an old dog new tricks.

I had the distinct pleasure of representing our state at the national meeting in Orlando Florida in July. There were a lot of good education presentations and interesting speakers. There was also a convention of NASA type scientists and companies doing business with the military on remote guided vehicles. This convention had a lot of interesting gadgets to look at. It was very interesting to compare notes with engineers from all over the country at the NSPE meetings. I would like to thank our members for allowing me to go to the National meeting. I found that big guys from North Dakota can melt in the heat of south Florida in July.

I have visited with Scott Zainhofsky from Grand Forks and he has agreed to head up our membership initiative. I will be looking for a volunteer from each chapter to work with Scott in the coming months. If volunteers don't come forward I will appoint people to fill these slots.



News from the State Board of Registration

Clifford E. Keller, Executive Secretary

Examination Schedule for 2003 Released:

The next examination administration will be April 11th and 12th. The Principles and Practice of Engineering (PE) Examination and the Principles and Practice of Land Surveying (PLS) will be administered on April 11th in Bismarck. The Fundamentals of Land Surveying (FLS) Examination will be given on April 12th in Bismarck. On April 12th, the Fundamentals of Engineering (FE) Examination will be administered in Bismarck, in Fargo at NDSU and at UND in Grand Forks. The fall examination administration will have the PE and PLS given on October 24th with the FE and FLS examinations to be given on October 25th.

Board Meeting Schedule:

March 18, 2003 - State Board Teleconference

April 30, 2003 - State Board Meeting, Minot (Check with the State Board Office for additional information)

All of the meetings of the State Board are open to the public and you are invited to attend. Please call the State Board office for further information such as meeting times and locations.

Report on Legislation:

The State Board of Registration is sponsoring two pieces of legislation. HB 1236 would remove the present fee cap of \$100.00 per biennium for engineers and surveyors and increase it to \$200.00 per biennium. The State Board has no immediate plans to increase renewal fees. HB 1236 would simply allow the State Board to increase the biennial fee without going back to the Legislature. The present \$100.00/biennium fee cap level has lasted for over forty years. The other part of HB 1236 would allow the State Board to assess its legal and investigative costs against a registrant in disciplinary matters that reach the administrative hearing level and where the registrant is found guilty of the charges specified in the complaint

The other bill, HB 1256, would provide for a retired status for engineers and surveyors, changes in the engineer registration laws and would provide for a continuing education requirement for engineers and land surveyors. Both bills were passed by the State House and are currently awaiting committee hearings in the State Senate. You can assist the State Board in this process by contacting your State Senator and letting them know how you feel about these two bills. Both of these bills will be heard before the Senate Industry, Business & Labor Committee which is composed of Senator Duane Mutch, Senator Jerry Klein, Senator Duane Espgaard, Senator Karen Krebsbach, Senator David Nething, Senator Joel Heitkamp and Senator Mike Every. These committee members are especially interested in your views on the two bills. You may call them at 701-328-3373. Both HB 1236 and HB 1256 were endorsed by the North Dakota State Society of Professional Engineers.

NDSPE SECRETARY/TREASURER'S REPORT

Kevin G. Nelson, PE/LSI

Annual Meeting Time

This year's annual meeting will be in Bismarck, hosted by Chapter 3. In addition to the business that needs to be addressed, we will have educational sessions on business leadership and business ethics. This is the opportunity for our general membership to assist with the governance, guidance and leadership of our society and at the same time learn about being an ethical leader in our profession. Don't miss out; plan to attend.

"Service is the rent we pay for being. It is the very purpose of life, and not something you do in your spare time."

Marion Wright Edelman

The business we need to conduct includes nominating three individuals for a position on the Board of Registration and electing officers for the coming year. Offices open for election to the state society are the Vice President and the President-Elect. If you are interested in any of these offices, or in serving on the Board of Registration, contact one of the Society officers. Contact information can be obtained from our web site, www.NDSPE.org.

More information on the meeting is given in the newsletter.

North Central Region

NDSPE is part of the North Central Region of NSPE. The other states in our region are Minnesota, South Dakota, Iowa, Nebraska, Kansas and Missouri. We have two regional vice presidents. They are Er. Karen Pederson, of Iowa, and Er. Larry Emig, of Kansas. Er. Pederson is our senior vice president and Er. Emig is our junior vice president. They can be contacted via e-mail at KSPedersen@midamerican.com and Larry@ksdot.org, respectively.

The Regional Conference will be held in Bismarck this year. It will be held 11-12 September. The conference will be of interest to general membership as well as society leaders. Educational sessions will include society membership training and society leadership training. Look in the newsletter for more information about the Regional Conference.

National Level

NDSPE's President-Elect, Er. Don Andersen, and I attended NSPE's Winter Meeting in San Francisco. At the meeting, we participated in the Consensus Congress, a part of NSPE's Strategic Planning Process. The Consensus Congress is a great way to involve the ideas and desires of the general membership in formulating policies and goals for our national society.

Our National Society has the mindset of reaching out to the regions, the states and the individual members. The staff and officers are trying to make themselves as available to us as is feasible. If we want to plan any activities, such as training seminars that involve staff or officers, national will send the necessary people to us. We will be expected to pay for their meals, registrations and rooms. NDSPE will have our national president, Er. Howard Blitman at our annual meeting in April. We will also invite some of the national officers and staff to the Regional Conference to facilitate the membership training.

"Do not go where the path may lead, go instead where there is no path and leave a trail."

Ralph Waldo Emerson

Our Greatest Wealth

We are born with two eyes in front because we must not always look behind, but see what lies ahead beyond ourselves.


We are born to have two ears-one left, one right so we can hear both sides, collect both the compliments and criticisms, to see which are right.

We are born with a brain concealed in a skull then no matter how poor we are, we are still rich, for no one can steal what our brain contains, packing in more jewels and rings than you can think.

We are born with two eyes, two ears, but one mouth for the mouth is a sharp weapon, it can hurt, flirt, and kill. Remember our motto: talk less, listen and see more.

We are born with only one heart, deep in our ribs it reminds us to appreciate and give love from deep within.

Your Society



***“We make a living by
what we get,
but we make a life by
what we give.”***
Sir Winston Churchill

NDSPE is growing! In fact, we are leading the North Central Region in membership growth and retention. Growth and retention don't just happen. They happen because of dedication and hard work. This dedication and hard work needs to come from all of us and from each of us. NDSPE is **our** society – it only works if **we** make it work. Give back to your profession. Get involved. Make a difference!

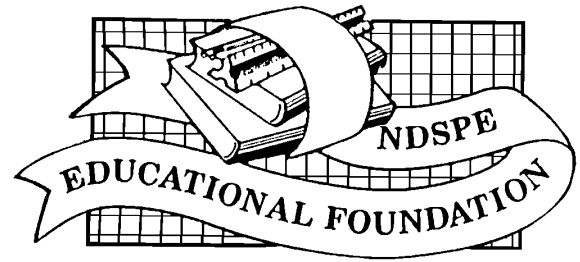
Membership in our society involves membership in five communities of service: National, Regional, State, Local Chapter and Cyberspace. Feel free to get involved at any level. Feel free to suggest improvements at any level.

It is a pleasure to serve as NDSPE's Secretary/Treasurer. Thank you for your trust and confidence in me.

Er. Kevin G. Nelson, P.E./L.S.I.
NDSPE Secretary/Treasurer
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Bismarck, ND 58502-1077
(701) 258-1110
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Secretary@NDSPE.org (e-mail)
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NDSPE Educational Foundation Report

Kevin G. Nelson, PE/LSI - Foundation
Secretary/Treasurer



Foundation Information

The Educational Foundation was started in 1985 by several dedicated members and officers of NDSPE. The following year the foundation gave \$400 in scholarships to North Dakota's two engineering schools, the University of North Dakota School of Engineering and Mines, and North Dakota State University College of Engineering. Each year since then, we have grown the Foundation's assets, albeit slowly – the average annual contributions are \$950.

***"Knowing is not enough;
We must apply.
Willing is not enough;
We must do."***
Goethe

The Foundation cannot spend any of the money collected in contributions, they are "Restricted Funds." Only the investment earnings, interest and dividend, can be used for operating expenses and for scholarships. In recent years, the Foundation has not seen any operating expenses because supplies, materials and labor have all been donated by individual engineers and engineering companies. To all of you who have graciously given your time, your talent and your contributions, the

Foundation extends a sincere "Thank you!" because of all that each of you do, we have been able to distribute scholarships of \$1,200 for the past few years. This is especially notable considering how low interest rates have been lately.

In order to disburse more money as scholarships, especially when investment return rates are near historic lows, we must increase our investment assets. The primary method of accomplishing this is to encourage NDSPE members and other engineers and engineering companies to contribute more to the Foundation.

Summary

The following information is the summary report of financial activity for the calendar year 2002.

CD#	Account Value	Interest Rate	Maturity Date	Term (mos.)	Recent Earnings *	Monthly Earnings **
XXXX344	\$7,000.00	1.800%	01/26/03	6	\$52.82	\$10.50
XXXX346	\$7,000.00	2.250%	07/26/03	12	\$66.04	\$13.13
XXXX345	\$7,000.00	2.300%	04/26/03	9	\$67.47	\$13.42
XXXX401	\$7,000.00	2.000%	10/28/03	12	\$11.89	\$11.67
	<u>\$28,000.00</u>				<u>\$215.13</u>	<u>\$48.71</u>
Savings Account						
			Year End			
XXXX9208	\$7,293.13	1.010%	Balance	\$295.02	\$6.14	
Total Assets	\$35,293.13				<u>\$510.15</u>	<u>\$54.85</u>
Restricted Funds	\$33,058.64	Funds Donated or Contributed to the Foundation				
Unrestricted Funds	\$2,234.49	Funds Available for Distribution				

Board of Trustees Officers

The North Dakota Society of Professional Engineers Educational Foundation is operated exclusively for the educational benefit of North Dakota engineering students who are residents of North Dakota. It is run by a board of trustees, comprised of officers and members of NDSPE. The officers of the NDSPE Educational Foundation Board of Trustees, are:

- ✓ President – Er. Jeff LeDoux, P.E.
- ✓ Vice President – Er. Steve Smith, P.E.
- ✓ Secretary/Treasurer – Er. Kevin G. Nelson, P.E./L.S.I.

Other trustees are Dr. Otto Helweg, P.E. – Dean of Engineering at NDSU, Dr. John Watson – Dean of Engineering at UND

Shaping Professional Lives

What we do, whether we realize it or not, can have far-reaching effects – especially to those who look to us for leadership and guidance. The following quote summarizes this quite well:

There comes that mysterious meeting in life when someone acknowledges who we are and what we can be, igniting the circuits of our highest potential.

Rusty Berkus

“Neither years nor books have yet availed to extirpate a prejudice then rooted in me, that a scholar is the favorite of Heaven and earth, the excellency of his country, the happiest of men. His duties lead him directly into the holy ground where other men’s aspirations only point. His successes are occasions of the purest joy to all men. Eyes is he to the blind; feet is he to the lame. His failures, if he is worthy, are inlets to higher advantages.”

Raph Waldo Emerson

Please consider making a difference in the lives of our engineering students by helping them finance their educations. In order for the Foundation to give larger scholarships, we need to receive your contributions. Give to the Educational Foundation. Contributions can be sent to the address below:

NDSPE Educational Foundation
C/o Er. Kevin G. Nelson, P.E./L.S.I.
Secretary/Treasurer
3831 Kingston Drive
Bismarck, ND 58503-8286
(701) 258-2818
(701) 258-1111 fax
Secretary@NDSPE.org (e-mail)
www.Foundation.NDSPE.org (web site)

“The truth of the matter is that you always know the right thing to do. The hard part is doing it.”

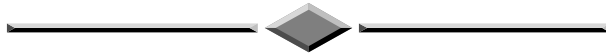
Gen. H. Norman
Schwarzkopf

Chapter 2 News - Minot **Roger Kluck, PE, Roving Reporter**

Chapter 2 has spent the past year looking at our future. Currently, we have six active members. Membership in Chapter 2 means that you are appointed to a position for life.

We made the decision to ask the Board to bypass our turn for annual meetings until such time as we can increase our membership.

This year we again helped with Mathcounts. Joan Holum, the County Superintendent of Schools, leads this program in Minot. Joan does a great job of organizing and always has things set up for us to help with at the annual competition. We had a great turnout for the math competition and a good crop of future engineers. During the competition we were able to present an introduction to what engineers do. We will also be presenting what engineers do, to the 8th and 9th grade students at Minot Central Campus. We have had good turnouts at the schools for this presentation.



Chapter 3 News - Bismarck/Mandan **Larry Kassian, PE, Chapter President**

Chapter 3 has been very active again this year. During this last summer, we sponsored two Seminars in Bismarck. The first entitled “Storm Rainfall Runoff Simulation Using HEC-HMS”. The seminar was limited to thirty participants, all thirty registrants attended. Thanks to Brian Schuck, our past President, for putting together the seminar. The second seminar was a FEMA Map Revision Workshop. Michael Gunsch, PE worked diligently to make the seminar a success. The money made from this seminar was used to help the Mathcounts program.

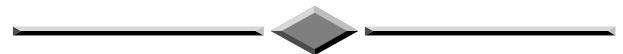
More recently, Chapter 3 has concluded the events for Engineers Week and we are looking forward to hosting the annual NDSPE convention in Bismarck. The dates for the annual convention are April 11 & 12th. During E-Week, members of Chapter 3 were judges for our annual roller coaster contest. Participants were students in Junior High and High School. Chapter 3 awarded

trophies to the top 3 teams in each division. We also awarded \$1,0000 in scholarships to two pre-engineering students at Bismarck State College who have exemplary grades and community activities. During E-Week, engineers from the Tesoro Refinery visited local schools to discuss our roles as engineers and the engineering profession. As in the past, we published the Proclamation, signed by Governor Hoeven, in the Bismarck Tribune and the Mandan Finder. The Proclamation Ad also mentioned the celebration of E-Week and was sponsored by area engineering businesses. The proclamation was also mailed to the other Chapters for their use in similar endeavors.

In October, a presentation was given by Kathleen Spilman, PE, representing Keitu Engineers, which provided an overview of the oil industry in North Dakota. With the rising gasoline prices we are all facing, the insight was interesting.

In November, Bruce Engelhart, PE, with the North Dakota State Water Commission, and Jerry Backes, PE, with Bartlett & West Engineers, gave a presentation on the rising Devils Lake. The presentation included past lake levels as well as future anticipated lake levels, and an overview of the proposed State sponsored outlet. A business meeting followed in which topics of E-Week and the support of upcoming legislative resolutions were discussed.

The upcoming March meeting will include a presentation by the FAA and Ulteig Engineers on the proposed work at the Bismarck airport. April will be taken up by our sponsorship of the NDSPE annual meeting. May will conclude our year with the annual Golf Tournament and Picnic.



Chapter 4 News - Fargo **Gregg Thielman, PE, Chapter President**

It has been another busy year for the F-M Engineers Club. The club’s current membership is 82. We continue to meet the last Tuesday evening of the month from September to May. Typical attendance for the monthly meetings is 40 to 45. In September, the new officers took their positions. The officers are Gregg

Thielman – President, Bill Neuhauser – President Elect, Dain Miller – Vice President, Troy Vareberg – Secretary, and Jon Chose continues to serve as the club’s treasurer. The monthly meetings are followed by a speaker or combined with a field trip. This year’s speakers have included Josh Wong from the Department of Mechanical Engineering at NDSU, who gave a presentation on “Establishing a Center of Excellence in Biomedical Engineering at NDSU” and Lawrence Woodbury from the North Dakota Board of Registration, who gave a presentation on proposed changes to North Dakota legislation affecting professional registration.

F-M Engineers has continued to support education at all levels. This spring we expect to give three \$500 scholarships to NDSU engineering students. We also provide local support for various NDSU national engineering competitions, including \$500 for the concrete canoe race. Our chapter also provides support for the annual Mathcounts Competition for junior high students. During E-week we sponsor the annual Toothpick Bridge Competition for area elementary,

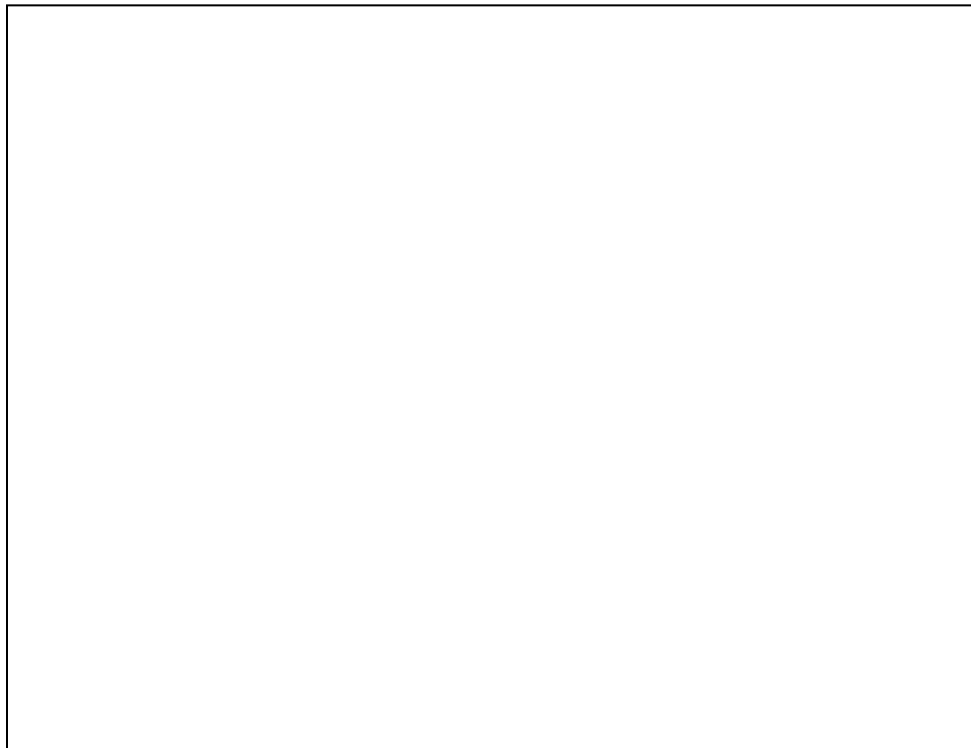
junior high, senior high and college students. A donation of \$500 was given for the North Dakota State Science Fair to be held at NDSU in April.

Our annual banquet was held in February as part of the E-Week celebration. This years banquet was held at the Plains Art Museum and included a casino event. Casino games, donated prizes, and an excellent meal were enjoyed by the nearly 100 members and guests who attended. During the banquet, we presented this year’s Young Engineer of the Year award to Erik Jones, and the Outstanding Design Award to Houston Engineering for the Northwest Area Water Supply (NAWS) Contract 2-1A. Newly registered Professional Engineers were also recognized at the banquet. The North Dakota Consulting Engineers Council presented state awards at the banquet.

We will elect new officers for next year at our regular meeting in April. May will include a golf outing and we conclude the year with our annual family picnic.

- ART CONTEST -

Draw your favorite past or present NDSPE state officer and bring your drawing to the NDSPE 62nd ANNUAL CONVENTION, April 11th & 12th, 2003, Ramkota Inn - Bismarck, ND. Must be present to win. Prizes will be awarded.





Ethics and Leadership – two hot topics in our country and in our profession. Join us on April 10-12 at the NDSPE annual meeting in Bismarck to learn about each of these and how they interrelate. You will find a proposed agenda in this newsletter. In addition to the educational sessions, we will conduct the business of the Society and take a tour of the Tesoro Refinery in Mandan.

Socializing/Networking:

- Join us **Thursday** night for a social.
- Join us **Friday** night for our banquet.

Business:

- General Business of the Society
- Election of Officers
- Election of Board of Registration Member
- Roll up your sleeves and work with our Officers at making this Society strong and growing. Yes, you can make a difference. Yes, your opinion matters. Without you, NDSPE ceases to exist.

Educational Sessions: Professional Development Hour Certificates will be issued

Leadership:

Creating Sustainable Change

Learn how to – Boost the Confidence and Self Esteem of Team Leaders
Satisfy the Innate Drive to Realize Your Full Potential
Learn about the Spirit of Service

This session will be led by The Rainmaker Group. The Rainmaker Group / Frontline Learning is made up of Chris Young and Michael Lindblom. It was founded as a result of their desire to help organizations grow more effectively by focusing on the performance and motivation of employees/members and teams. Frontline Learning is a 15-year-old training resource publisher with whom they are very closely aligned.

Ethics:

How do ethics affect other professions

This session will have two professionals from other walks of life explain how ethics impact the work they do. One will be from the financial profession. The other will be from the medical profession.

Ethics, What Are They and Does It Matter?

This session will be given by Mr. Kevin Cramer. Mr. Cramer will discuss the origin of business ethics and help the audience explore their own values system. We will look at the current ethics situation in America and talk about how we can avoid having a crisis of ethics in our own companies and lives.

Join us in April. We look forward to seeing you there. For more information, check out our website, www.NDSPE.org or directly at <http://meetings.ndspe.org>. And don't forget about the upcoming North Central Region Annual Conference in September! Bismarck will host the conference this year. Check for more information in this newsletter.

**This year NDSPE is
hosting the North Central
Regional Conference!**



It will be in Bismarck on 11-12 September. The conference will give you the opportunity to network with colleagues from across our region. We will also sponsor leadership training and review membership development for our professional society. We will provide certificates for 8 hours of Professional Development Hours.

Here is a preview of the Conference:

Thursday, September 11

12:30 p.m. - 5:00 p.m.

1:00 p.m. - 5:00 p.m.

6:00 p.m. - 7:00 p.m.

Registration

GENERAL SESSION

Professional Development

ICE BREAKER RECEPTION

Social with Light Hors D'oeuvres

(Dinner on your own)

Friday, September 12

7:00 a.m. - 8:00 a.m.

8:00 a.m. - 12:00 p.m.

12:00 p.m. - 1:00 p.m.

Continental Breakfast

NC Region Business Meeting

GENERAL SESSION

Professional Development

Closing Lunch

For more information check the web site at <http://ncregion.ndspe.org>. You can also get to the information from our website www.NDSPE.org.