



# **NORTH DAKOTA STATE ELECTRICAL BOARD**

P.O. Box 7335  
Bismarck, ND 58507-7335  
(701) 328-9522 - [www.ndseb.com](http://www.ndseb.com)

Donald Offerdahl, Executive Director

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**NOVEMBER, 2008**

**NEWSLETTER**

**NO. 227**

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## **2009 N.D.S.E.B. CONTINUING EDUCATION CLASSES**

**\*\* PRE-REGISTRATION REQUIRED \*\***

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The N.D. State Electrical Board will be providing 8-hour code continuing education courses covering branch circuits, feeders, service calculations, common code violations and, as always, a code panel with local inspectors. **You will need to bring with you a 2008 National Electrical Code book, a notebook and a calculator.** In order to receive credit, you **must** attend the entire session. For the 2009 classes, the price includes lunch.

<b>PLACE</b>	<b>DATE</b>	<b>DEADLINE</b>	<b>LOCATION</b>	<b>PHONE #</b>	<b>PRICE</b>
Dickinson	Fri., 1/9	<b>1/2</b>	Dickinson Eagles Club, 31 1 <sup>st</sup> Ave. E.	(701) 483-3561	\$18.00
Williston	Fri., 1/16	<b>1/8</b>	El Rancho Hotel, 1623 2 <sup>nd</sup> Ave. W.	(701) 572-6321	\$20.00
Minot	Sat., 1/17	<b>1/8</b>	Holiday Inn, 2200 Burdick Expy. E	(701) 852-2504	\$19.00
Jamestown	Fri., 1/23	<b>1/15</b>	Quality Inn, Hwy. 281 S. & I-94	(701) 252-3611	\$19.00
Bis./Man.	Sat., 1/24	<b>1/15</b>	Seven Seas, 2611 Old Red Trail	(701) 663-7401	\$18.00
Fargo	Fri., 1/30	<b>1/22</b>	Ramada Plaza, 1635 42 <sup>nd</sup> Street S.	(701) 277-9000	\$22.00
Grand Forks	Sat., 1/31	<b>1/22</b>	Ramada Inn, 1205 N. 43 <sup>rd</sup> Street	(701) 775-3951	\$20.50

\*\* Pre-registration is required before the registration deadline (posted above). **Registrations will not be accepted at the door, by phone or e-mail.** Any registration received after the posted deadline will **NOT** be accepted, so please register early. Refunds will only be given if you cancel by calling (701) 328-9522 or e-mailing [electric@nd.gov](mailto:electric@nd.gov) before 5:00 p.m. Monday before the scheduled class.

You can register either online at [www.ndseb.com](http://www.ndseb.com), "Continuing Education Registration" or complete the mail-in form included with this newsletter. If you register online, you can print-out your confirmation receipt at the end of registration. If you register by mail and provide an e-mail address, a confirmation receipt will be sent to you.

Please arrive so you can check-in before 7:45 a.m. A picture ID will be required for check-in.

→ Check-In Times: 7:15 a.m. to **7:45 a.m.** (PLEASE BE PROMPT)

→ Class Start Time: 8:00 a.m.

In case of inclement weather, please call (701) 328-9522.

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## PROCEDURES TO FOLLOW WHEN APPLYING FOR AN ELECTRICAL LICENSE

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Procedures to follow when applying to take an electrical license examination are covered in the North Dakota Laws, Rules and Wiring Standards §24-02-01-02. Before an applicant applies to take the Journeyman exam, the applicant has to have 8,000 hours of verified practical experience. Once the State Electrical Board receives an application, the applicant needs to allow thirty (30) days for the Board to process the application. Once the application is approved, the applicant will be notified of the available dates for the next ninety (90) days to take the exam. Once approved your application for an examination will be valid for six (6) months. After this time frame, you will need to reapply.

We have people very anxious for us to complete the application verification process by calling this office several times. Once the application is approved, we have noticed that the applicant doesn't take the exam for four to six months. This makes us

wonder why they are in such a hurry when we were processing the application. Please follow the above procedures when applying for an exam, so you will be able to take the exam at the earliest possible date.

If applying for a Journeyman reciprocal license from another state, an applicant needs to fill out the application completely and submit two checks for \$25.00 (one for the application fee and one for the annual license fee). The time frame that an applicant should allow for a reciprocal license depends on the department in the state that the applicant is reciprocating from. Once we receive the information, in most cases, it is processed within 48 hours. If you are applying for a Master reciprocal license, you need to contact this office.

We want to thank the people who are following these procedures. This helps the process to work more efficiently.

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## N.D. CHAPTER IAEI RECOGNIZES CONTRACTOR FOR DISASTER RECOVERY EFFORTS

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The International Association of Electrical Inspectors (IAEI) held its North Dakota Chapter Meeting on October 23-24, 2008. At that meeting, a thank you went out to all companies, firms and individuals that were a part of the August, 2007 Northwood tornado disaster recovery.

One firm and its employees were recognized for contribution of their time and efforts that went well above and beyond the call of duty - Ron Braun, Aaron Braun, Darin Braun and Cody Knetzger, along with Braun Electric of Northwood, North Dakota. With their efforts and without doubt, the citizens of Northwood would have been without power for a longer period of time. Again, the N.D. Chapter IAEI wants to thank these individuals and firm for their work, as well as all other participants.

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## CODE REQUIREMENTS TO REMEMBER

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» **Weather-resistant receptacles are required when being installed in damp or wet locations.** **Article 406.8(A)** was a change in the 2008 National Electrical Code. All 15 and 20 ampere, 125 and 250 volt, non-locking receptacles installed outdoors shall be a listed weather-resistant type. We have found that there has been some misunderstanding in the field concerning this requirement. It is important to remember that this requirement pertains to all outdoor locations and not just dwelling units.

» **Ungrounded conductors need to be identified.** **Article 210.5(C)** was originally introduced in the 2005 National Electrical Code and slightly modified in the 2008 National Electrical Code. It is important to point out when a building is supplied by more than one nominal voltage system, the means of the color coding or tagged selected by the installer is required to be permanently posted at each branch-circuit panelboard or similar branch-circuit distribution equipment or documented in a manner readily available as covered in this article.

» **High-leg switchboards and panelboards are required to be identified.** **Article 408.3(F)** was covered in the February, 2008 edition of our Newsletter. Prior to the 2008 National Electrical Code, the identification of high leg pertained to identifying the conductors. Effective in the 2008 National Electrical code, it also requires a permanent field marking at switchboards and panelboards to state as follows: "Caution \_\_\_\_\_ Phase Has \_\_\_\_\_ Volts to Ground." Article 408.3(E) has remained the same, and it is still required that the High-Leg phase is arranged to be terminated on the B phase.

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## INSPECTION REQUESTED ON PERMANENTLY INSTALLED SWIMMING POOLS

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If contractors have projects that involve swimming pools, we would ask you to please notify your inspector as soon as you can so the inspector can make arrangements to perform an inspection on the bonding prior to the concrete being poured. The equipotential bonding requirements covered in Article 680.26 are significant to a safe pool installation. Your cooperation by giving adequate notice to our inspector will result in not holding up the project.

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## IN MEMORY OF OTTO MAYER, FORMER BOARD MEMBER FOR THE N.D. STATE ELECTRICAL BOARD

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Otto Mayer, 83, Mandan, died September 3, 2008. Otto was a Board Member for the North Dakota State Electrical Board from 1976 to 1986. He represented a member associated with an investor-owned utility. We appreciated the time he spent as a Board Member. We wish to express our deepest sympathy to Connie, his wife, family and friends.

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## TIRED OF KEEPING TRACK OF PAPER WIRING CERTIFICATES – SWITCH TO FILING THEM ELECTRONICALLY

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The e-Cert system has been in existence since 2003 and has been widely accepted. It is designed to allow contractors to create & monitor electrical wiring certificates through our website at [www.ndseb.com](http://www.ndseb.com). Contractors can enter certificates, view certificates, pay for certificates, view correction reports and submit correction reports through the web. It also e-mails the certificate to the power supplier. This could save you the cost of postage (\$.42 x ?).

Paying for certificates is accomplished through either a Deposit Account or ACH (Automatic Clearing House [automatic withdrawal]). The Deposit Account is a non-interest bearing account set up with the North Dakota State Electrical Board. Funds need to be available in this account in order to submit the final electrical wiring certificates.

To apply, please complete the Application, which can be downloaded from our website and clicking on "e-Cert." Once we have processed the Application, a Login ID and Password are assigned and required for security reasons. The individual user can change the password at any time. All data entered in the system is encrypted utilizing Thawte's digital SSL - assuring that all online communications are secure while the information is being transmitted.

To review the actual e-Cert system, please contact the N.D. State Electrical Board. A complete e-Cert User Guide is also available upon request.

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## APPRENTICE REGISTRATION RENEWAL TIME

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Apprentice registration renewal forms will be mailed on December 2, 2008. For Masters, Journeyman and Class B electricians, please make sure your apprentices are aware that they need to renew their registration with the N.D. State Electrical Board by January 31, 2009. With all of the attempts to mail these forms to the correct addresses, we have discovered that many apprentices do not have current mailing addresses with this department. Apprentices who registered on or after **February 1, 2008** will be receiving forms to verify the hours of practical experience and the name of their related training provider along with the number of hours of training they have completed. Registrations will not be renewed until this office receives back the required forms.

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## IN MEMORIUM

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We regret to announce the death of Roger Vollmers, Devils Lake, ND; Lyle Peterson, New Salem, ND; James Larson, Mott, ND; and Chad McKibbin, West Fargo, ND. Roger obtained his Master license #1137 in 1978 and owned/operated Roger's Electric. Lyle obtained his Class B license #0248 in 1969 and owned/operated Lyle's Farm Service. James obtained his Master license #0952 in 1973 and owned/operated Jim Larson Electric. Chad obtained his Journeyman license #4436 in 2004. We wish to express our deepest sympathy.

# NEW LICENSES ISSUED

Examinations were conducted in Bismarck on August 25<sup>th</sup>, September 8<sup>th</sup>, September 15<sup>th</sup>, September 29<sup>th</sup>, October 13<sup>th</sup>, and October 27<sup>th</sup>, 2008. We had 17 individuals who took the Master exam and 26 who took the Journeyman exam. **Our congratulations to the following applicants who passed their examination and were issued a license.**

## MASTERS

® Represents Reciprocal Licenses

LICENSE #	NAME	ADDRESS	LICENSE #	NAME	ADDRESS
2559	Havlik, Jerry	LaPorte, TX	2572	Zaun, Chad	Valley City, ND
2560	Kramlich, Clint	Tappen, ND	2573 ®	Jezek, Lars	Kaylor, SD
2561 ®	Smolcich, Michael	Appleton, WI	2574 ®	Thies, Paul	Andover, MN
2562 ®	Kindt, Cory	Brookings, SD	2575	Buntrock, Kim	Driscoll, ND
2563	Block, Patrick	Moorhead, MN	2576 ®	Olson, Brent	Onge, SD
2564 ®	Erbes, Marc	Wheaton, MN	2577 ®	Baumgart, Jim	Perham, MN
2565	Haugen, Patrick	Williston, ND	2578 ®	Daniels, Dana	Minneapolis, MN
2566	Nikolayson, Denton	Erskine, MN	2579 ®	Myers, Robert	Hartford, SD
2567 ®	Kemmer, Donald	Bemidji, MN	2580	Hendershot, Dave	Minot, ND
2568 ®	Lamb, Robert	Nisland, SD	2581	Kono, Robert	Plevna, MT
2569 ®	Nelson, Steven	Hampton, MN	2582 ®	Frenzel, Jeffrey	Bemidji, MN
2570 ®	Quill, Scott	Hampton, MN	2583 ®	Williamson, Donahue	Piedmont, SD
2571	Witherell, Scott	Independence, MO	2584	Kenyon, Ryan	Lisbon, ND

## JOURNEYMAN

® Represents Reciprocal Licenses

LICENSE #	NAME	ADDRESS	LICENSE #	NAME	ADDRESS
5217	Hetland, Austin	Norwich, ND	5239	Oland, Bradley	Britton, SD
5218 ®	Moss, Kevin	Stanley, ND	5240 ®	Lundberg, Shane	Isanti, MN
5219	Tolbert, Seamus	Wilton, ND	5241 ®	Pederson, Brent	St. Cloud, MN
5220	Keller, Christopher	Ray, MI	5242	Mattson, Todd	Grand Forks, ND
5221	Peterson, Steven	Williston, ND	5243 ®	Dopler, Joe	Broomfield, CO
5222 ®	Wyland, Anthony	Clearbrook, MN	5244 ®	Doyle, Benjamin	Belgrade, MN
5223 ®	Davis, William	Burnsville, MN	5245 ®	Herll, Marty	Viborg, SD
5224 ®	Grandlund, Nathan	Pillager, MN	5246 ®	Heller, Noel	Berthold, ND
5225	Roth, Jacob	Fargo, ND	5247 ®	O'Connor, Kevin	Panama City, FL
5226 ®	Henry, Jacob	Otsego, MN	5248	Rice, Jay M.	Mohall, ND
5227 ®	Stark, Leslie	Lewiston, ID	5249	Marcuson, Cory	Fargo, ND
5228	Charboneau, Charles	West Fargo, ND	5250	Wald, Mitch	Bismarck, ND
5229	Fjelstad II, Michael	Carrington, ND	5251 ®	Mitbo, Dave	Devils Lake, ND
5230	Bohnenstingl, Ryan	Fargo, ND	5252 ®	Powell, Bernard	Grand Junction, CO
5231	Kremer, Eric	Minot, ND	5253 ®	Delzer, Douglas	Rogers, MN
5232 ®	Martens, Scott	Eden Prairie, MN	5254 ®	Warne, Matthew	Sioux Falls, SD
5233	Martin, Derek	Fargo, ND	5255 ®	Richardson, Sam	Blackhawk, SD
5234	Miller, Derrick	Ellendale, ND	5256	Hajek, Donavon	Forman, ND
5235	Jeide, Eric	Bismarck, ND	5257 ®	Richter, Shane	Prescott, WI
5236	Rudolph, Glenn	West Fargo, ND	5258 ®	Starn Jr, Ronald	Minneapolis, MN
5237	Atkinson, Allan	Perham, MN	5259 ®	Brown, Allen	Scandia, MN
5238	Kern, Jeremiah	Crookston, MN			