

**21st Annual**  
**Joint Utility**  
**Training School**

**January 16-17-18, 1996**  
**Ramkota Inn**  
**Sioux Falls, SD**  
**605-336-0650**



**Sponsored by:**  
**Joint Utility Training Committee**  
**South Dakota Electrical Council**

## **SESSIONS PROGRAM INFORMATION**

Each session is designed as a 16-hour mini-course  
Registration will be for one session only per individual  
You will remain in that session for the entire length of  
the course Certificates will be sent to your respective  
company if attendance has been continuous

To obtain continuing education credit for sessions that  
qualify, a copy of your completion certificate must be  
sent to SD Electrical Commission, 302 S Pawnee,  
Pierre, SD 57501

### **REGISTRATION**

Tuesday, January 16, 1996

10 00 a m to 12 00 noon

\$100 per person

Pre-paid registration will include breakfast on Wednes-  
day and Thursday morning at 6 30 a m -8 00 a m in  
the Exhibit Hall and a noon meal on Wednesday in the  
Exhibit Hall

### **LUNCHEON**

Wednesday, January 17, 1996

12 00 noon to 1 00 p m

**Speaker** Brad Schardin - Turner-Hutchinson Elec-  
tric, Marion, SD

### **Mini-courses will be:**

Tuesday 1 00 p m -5 00 p m

Wednesday 8 00 a m -5 00 p m

Thursday 8 00 a m -12 00 noon

# **SESSION 1-A and SESSION 1-B**

SESSION 1-A - Harvest Room

SESSION 1-B - Viking Room

## **ENHANCING TEAMWORK**

Tuesday, Jan 16, 1 00 p m -5 00 p m

Wednesday, Jan 17, 8 00 a m -5 00 p m

Thursday, Jan 18, 8 00 a m -12 00 noon

**Description:** Whether you're a team leader, field technician, administrator, engineer or the newest person on the team, this session is designed for you! This session will be taught by two instructors. Each will work with half the participants at one time, then switch to work with the other half. Enrollment is limited to 50 people, 25 in each group.

**TITLE:** Tools to Handle Those Tough People and Tough Situations

- How does a person communicate for maximum effectiveness whether giving orders, teaching a new job, offering suggestions to the boss, or getting along within a team?
- How can a person learn to confront disagreements and conflict without ruining the relationships already in place? (We need to be able to apply these skills whether we're working with our subordinates, our team, our boss, or our customers.)
- How can we learn to better understand "where the other person is coming from?"
- How can we learn more about why people are the way they are and how others are most comfortable getting the job done?
- What are the benefits to your team, your company, your family, and yourself, as you learn more about how to be most effective in your dealings with others?
- How does a person learn to balance the stress of work and the demands of a personal life?
- How does a person learn to handle conflict better?

**Instructors:** Jim Kellar - Kellar Training Associates,  
Sioux Falls, SD  
Suzanne Knudson - Human Relations  
Training Consultant, Sioux Falls, SD

**Coordinator:** James Mergen

**COURSE LIMITED TO 50 STUDENTS**

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# SESSION II

Exhibit Hall

## OCR & REGULATOR MAINTENANCE AND TESTING

### Part I

Tuesday, 1 00 p m -5 00 p m

Wednesday, 8 00 a m -12 00 noon

**TITLE:** Regulator Operation and Troubleshooting

**Description:** In this 8-hour course, students will deal with testing, maintenance, repair and operation of regulators. Regulators, panels, and mechanism parts will be available for inspection and troubleshooting. Students get an opportunity to learn how to troubleshoot panels in the shop and techniques for troubleshooting out in the field.

**Instructors:** Ron Hoeft - East River Electric, Madison, SD  
Randy Otto, Northwestern Public Service, Huron, SD

### Part II

Wednesday, 1 00 p m -5 00 p m

Thursday, 8 00 a m -12 00 noon

**TITLE:** OCR Maintenance

**Description:** An 8-hour course on the basics of hydraulic OCR operation, maintenance and testing with hands-on experience and problem solving techniques. Three phase OCR operation, maintenance and testing will be included in this year's session. The course will also touch briefly on electronic OCRs and their operation.

**Instructors:** Ron Globke, Robert Schrag and Don Kettwig - Turner-Hutchinson Electric, Marion, SD  
Jim Karolevitz - Bon Homme-Yankton Electric, Tabor, SD

**Coordinators:** Don Hook and Bob Crawford

**COURSE LIMITED TO 20 STUDENTS**

# SESSION III

Washington Room

## TRANSFORMER CONNECTIONS

A 16-hour workshop designed for apprentice linemen or for experienced linemen and servicemen who are willing to go through a refresher course seeking ideas for communicating and explaining electrical terms and transformer connections to employees whom they may supervise. The workshop experience will be valuable to senior linemen who did not have the opportunity to learn the trade at a lineman's school. A pocket calculator would be helpful in determining the anticipated voltage.

### Part I

Tuesday, 1 00 p m - 5 00 p m

**Description:** Recognizing that the majority of work done with transformers is for single-phase loads, we will begin with basic transformers. This will include turns ratios, polarities, calculations, connections, and troubleshooting. We will use lecture, open discussion, and hands-on connections with miniature equipment.

### Parts II and III

Wednesday, 8 00 a m - 5 00 p m

**Description:** This part will discuss basic three-phase systems. We will work with some basic phasor diagrams and try to explain the relationship of the phasors to the transformer itself. We will also make transformer connections with miniature equipment.

### Part IV

Thursday, 8 00 a m - 12 00 noon

**Description:** We will continue to build miniature transformer banks and work on troubleshooting. We will also discuss motor rotation as it relates to three-phase systems, as well as discuss ways to prevent voltage surges during switching a three-phase bank.

(continued)

**Instructor.** Scott Meinecke, Powerline Instructor,  
Northwest Iowa Community College,  
Sheldon, Iowa

**Supervisors:** Richard Davis - Northwestern  
PublicService Co , Huron, SD  
Dennis Wagner - Northwestern Pub-  
lic Service Co , Huron, SD  
Ken Herren - Northern States Power  
Co , Sioux Falls, SD  
Ken Paul - Montana-Dakota Utilities,  
Bismarck, ND  
Kenneth Booze - East River Electric,  
Madison, SD

**Coordinators:** Tom Honkomp and Chuck Birkholt

4 non-code hours will be given by the SD Electrical  
Commission

**COURSE LIMITED TO 40 STUDENTS**

# SESSION IV

Lincoln Room

## OCCUPATIONAL SAFETY & HEALTH MANAGEMENT

### PART I

Tuesday, 1 00 p m - 5 00 p m

**TITLE:** Safe and Proper Use of Herbicides

**Description:** This 4-hour presentation is to discuss the safe and proper use of herbicides. Taking such factors into consideration as the proper choice for your needs, their effect, if any, on the environment, and how to explain this to your "neighbors." Safety will be discussed in relationship to handling (toxicity) of herbicides.

- Topics:**
- 1 Video - "Safe & Proper use of Herbicides"
  - 2 Why use herbicides. Slides to be used as support
  - 3 Choosing the proper herbicides - hazards to humans and animals - discuss labels - how to determine what is and is not safe
  - 4 Advantages and disadvantages of herbicides

**Instructors:** Darrel Odle - Chem-trol Inc, Kansas City, KS  
Bill Iverson - Chem-trol Inc, Willmar, MN

### PART II

Wednesday, 8 00 a m - 5 00 p m

**TITLE:** Safety Management

**Description:** This 8-hour class will focus on the concepts of safety management, where accidents come from, the true costs of accidents, and the elements of effective accident prevention programs.

**Instructor:** Tom Slattery - South Dakota Safety Council, Sioux Falls, SD

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### **PART III**

Thursday, 8 00 a m - 10 00 a m

**TITLE:** Impaired Driving Presentation

**Description.** This 2-hour presentation on impaired driving combines the National Safety Council programs "It's Closer Than You Think" and "Need to Know"

**Instructor:** Tom Slattery - South Dakota Safety Council, Sioux Falls, SD

### **PART IV**

Thursday, 10 00 a m - 12 00 noon

**TITLE:** Personal Protective Equipment

**Description:** This 2-hour program will help the employee recognize the necessity of personal protective equipment

**Instructor:** Tom Slattery - South Dakota Safety Council, Sioux Falls, SD

**Coordinator:** Bruce Brunick



# SESSION V

Exhibit Hall Annex

## METERING WORKSHOP

**Description:** A 16-hour course designed for linemen and individuals with previous meter background

**Topics:** The first day of the workshop will consist of four workstations of factory representatives from ABB, Landis & Gyr, G E and Schlumberger

The second and third day will consist of 1) basic concepts of metering, 2) current and potential transformers, 3) transformer-rated poly-phase wiring schemes, 4) wiring and testing meter installations and 5) troubleshooting metering installations

All students are to bring their personal safety equipment - rubber gloves, safety glasses, stop watch, hand tools and a 10-amp digital multi-amp meter

**Instructors:** Ernie Leesch - Burmeister Electric, Vermillion, SD  
Steve Bode - Burmeister Electric, Minneapolis, MN  
Larry Chapman - Chapman Metering Co , Avoca, IA  
Bob Johnson - Codington-Clark Electric, Watertown, SD  
Mike Kruse - Clay-Union Electric, Vermillion, SD  
Steve Stephens - Tri-County Electric, Plankinton, SD  
Neal Drury - West River Electric, Wall, SD

**Coordinators:** Jim Lewis and Don Seeklander

16 non-code hours will be given by the SD Electrical Commission

**COURSE LIMITED TO 40 STUDENTS**

# SESSION VI

Amphitheater II

## ENGINEERING

### Part I

Tuesday, 1 00 p m -5 00 p m

**TITLE:** Extending Underground Cable Life

**Description:** There are alternatives to underground cable replacement. In this session, a process will be discussed in which energized URD cables are injected with a dielectric enhancement fluid. This fluid permeates the cable insulation, "heals" water trees, increases the dielectric strength and extends the life of the cable.

**Instructors:** Daniel Kohman - UTILX Corporation, St. Cloud, MN  
Glen Bertini - UTILX Corporation, Kent, WA

### Part II

Wednesday, 8 00 a m -12 00 noon

**TITLE:** Laminated Wood Structures

**Description:** This session will cover an alternative to typical wood pole design. Laminated wood structures are being used in all types of installations ranging from self-supporting distribution corner poles to main line transmission structures. Product history, development, applications and hardware considerations will be a few of the topics covered.

**Instructor:** Bob Reisdorff - Laminated Wood Systems, Inc., Seward, NE

### Part III

Wednesday, 1 00 p m -5 00 p m

**TITLE:** Alternatives to Pole Change-out

**Description:** This session will cover some of the alternatives to pole change-out that are available in today's cost-conscious utility environment. Applications, materials and the process of pole reinforcement will be discussed.

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For situations where increased ground clearance is required, a process will be presented in which the existing pole is actually "grown" to the required height by the addition of new material at the groundline

**Instructor:** Bob Reisdorff - Laminated Wood Systems, Inc , Seward, NE

#### **Part IV**

Thursday, 8 00 a m -12 00 noon

**TITLE:** Cable Fault Locating

**Description:** In this session you will learn how to use your equipment and your senses more efficiently to find cable faults. You will learn how to identify high voltage underground faults such as pinholes, typical cable installation errors, conduit faults, splice faults, bottom faults and faults in splices and manholes

**Instructors:** Ron Blume - Dakota County Technical College, Rosemount, MN  
Jim Staloch - Dakota County Technical College, Rosemount, MN

**Coordinators:** Todd Chambers and Stuart Wevik

# SESSION VII

Amphitheater I

## OPERATIONS AND SAFETY

### Part I

Tuesday, 1 00 p m -5 00 p m

**TITLE:** Protective Temporary Grounding

**Description:** Proper protective grounding procedures care and maintenance, featuring the equipotential method

**Instructor:** Jim Fox - A B Chance Co , Maple Lake, MN

### Part II

Wednesday, 8 00 a m -5 00 p m

**TITLE:** Inspection and Care of Synthetic Slings

**Description:** Establish an absolute need for a viable system of sling inspection that integrates the sling user, the sling inspector and the facility into an efficient, proactive system of accident prevention through education

**Instructor:** Mike Gelsky - Lift It Manufacturing Co , Los Angeles, CA

### Part III

Thursday, 8 00 a m -10 00 a m

**TITLE:** Tree Trimming Safety

**Description:** Proper pruning cuts and techniques will be discussed along with maintaining line clearance and tree trimming safety

**Instructors:** Keith Sheriff - Wright Tree Service, Des Moines, IA  
Jerry Swim - Wright Tree Service Consultant

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**Part IV**

Thursday, 10 00 a m -12 00 noon

**TITLE:** Recognizing Drug and Alcohol Abuse Certification Course

**Description:** Determining drug and alcohol abuse in the work place and how to deal with it

**Instructor:** Wanda Stange - D O T Drug & Alcohol Consortium, Pro-Rate Service, Rent a B A T , Stratford, SD

**Coordinators:** Ken Wetz and Larry Brink

6 non-code hours will be given by the SD Electrical Commission

**COURSE LIMITED TO 40 STUDENTS**

# Joint Utility Training Committee

## Acting Chairman

Jim Moore - Northern Electric, Bath, SD

## Vice Chairman

Jim Moore - Northern Electric, Bath, SD

## Secretary

Tom Honkomp - City of Brookings, Brookings, SD

## Treasurer

Randy Dickerson - SD Rural Electric Ass'n , Pierre, SD

## **JUTS Members**

### **South Dakota Rural Electric Association:**

Charles W Birkholt - Cam Wal Electric, Selby, SD

Ken Wetz - Butte Electric, Newell, SD

Juell Chapman - Grand Electric, Bison, SD

Larry Brink - Dakota Energy Cooperative, Huron, SD

Jim Moore - Northern Electric, Bath, SD

### **Investor-Owned Electric Utilities:**

Kevin Kouba - Otter Tail Power Company, Milbank, SD

Bob Crawford - Northwestern Public Svc , Huron, SD

Dennis Schnabel - Montana-Dak Util , Mobridge, SD

Vacant - Northern States Power Co , Sioux Falls, SD

Stuart Wevik - Black Hills Pwr & Lgt , Rapid City, SD

### **Municipal Electric Utilities:**

Tom Honkomp - City of Brookings, Brookings, SD

Jim Mergen - City of Sioux Falls, Sioux Falls, SD

Bruce Brunick - City of Vermillion, Vermillion, SD

Don Seeklander - City of Estelline, Estelline, SD

Todd Chambers - City of Pierre, Pierre, SD

### **Generation, Transmission, Political Subdistricts, Statewide Association:**

Jim Lewis - SD Rural Electric Ass'n , Pierre, SD

Randy Dickerson - SD Rural Electric Ass'n , Pierre, SD

Don Hook - East River Electric, Madison, SD

Rodney Gunn - West River Electric, Rapid City, SD

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Ramkota Inn - Sioux Falls, SD**

**REGISTRATION FEE  
\$100 per student - PREPAID**

- I ENHANCING TEAMWORK - 50 Maximum
- II OCR AND REGULATOR MAINTENANCE AND TESTING - 20 Maximum
- III TRANSFORMER CONNECTIONS - 40 Maximum
- IV OCCUPATIONAL SAFETY & HEALTH MANAGEMENT
- V METERING - 40 Maximum
- VI ENGINEERING
- VII OPERATIONS AND SAFETY - 40 Maximum
- VIII ACHIEVING EXTRAORDINARY CUSTOMER RELATIONS - 20 Maximum
- IX NATIONAL ELECTRICAL SAFETY CODE

Some sessions have limited enrollment, so make your reservations **as soon as possible.**

Please submit form with payment. Make checks payable to **Joint Utility Training School**. Refunds and changes in registration will be allowed to January 5. No phone-in registrations will be accepted. Send check and registration form to South Dakota Rural Electric Association (SDREA), ATTN Dawn Trapp, PO Box 1138, Pierre, SD 57501-1138.

