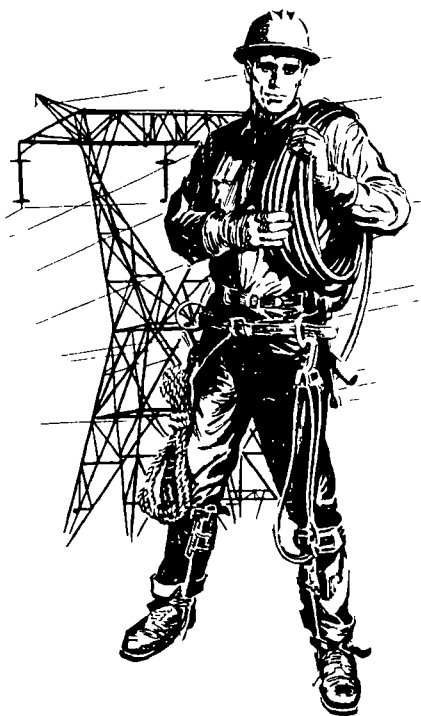


# **EIGHTH ANNUAL JOINT UTILITY TRAINING WORKSHOP**



**January 25, 26 & 27 - 1983**

**RAMADA INN  
SIOUX FALLS, S. DAK.  
605-336-0650**

**Sponsored By  
JOINT UTILITY TRAINING COMMITTEE  
(JUTS)**

**SOUTH DAKOTA ELECTRIC COUNCIL**

## PROGRAM

### SESSIONS PROGRAM INFORMATION

Each session is designed as a 16-hour minicourse. Registration will be for one session only per individual. You will remain in that session for the entire length of the course. Some class sessions will be split to reduce class size and use laboratory facilities. Diplomas will be sent to your respective company if attendance has been continuous.

#### TUESDAY

January 25, 1983

Ramada Inn

#### REGISTRATION

10 00 a m to 12 30 p m.

#### WEDNESDAY

January 26, 1983

#### LUNCHEON

12.00 p m to 1 00 p m.

All session times will be

Tuesday	1 00 p m to 5 00 p m
Wednesday	8 00 a m to 12 00 Noon 1 00 p m to 5 00 p m
Thursday	8 00 a m to 12 00 Noon

## **SESSION I**

### **LEADERSHIP SEMINAR**

Registration Fee \$20 00

Title Basic Supervisory Skills

Description Topics will include the following

Your Organization and You

The Adult Learning Process

The Human Touch at Work

The Critical Shift

Styles of Supervision

The Supervisor as Motivator

The Supervisor as Counselor

The Psychological Contract

Complaints and Grievances

Coordinator Rich Krell

Instructor Kurt Peters

Montana - Dakota Utilities Co

Bismarck, ND

## **SESSION II**

### **TRENCHER - AERIAL - DIGGER DERRICK MAINTENANCE OPERATION AND TESTING**

Registration Fee \$20 00

Title Operators Seminar on Hydraulic  
Line and Aerial Equipment

#### **Description**

This course is designed for operators and maintenance personnel of bucket trucks, digger derricks and trenchers. The course will cover safety, proper operation, hydraulics and maintenance of equipment. A special section on testing and inspection will also be presented.

#### **PART I**

Title Trencher Operations Safety and Maintenance  
(6 hour presentation)

Instructors Frank Wiseman, Representative of Technical Services,  
Charles Machine Works, Perry, Oklahoma  
John Heisler, President, Ditch Witch of SD

#### **PART II**

Title Aerial Equipment Operation and Maintenance  
(6 hour presentation)

Instructors Ron Koosman, Product Manager, Road Machinery,  
Bloomington, MN  
Don Doll, Customer Relations, Road Machinery,  
Bloomington, MN

#### **PART III**

Title Safety Tests and Inspection of Aerial Equipment  
(4 hour presentation)

Instructors Clarence A Larson, Manager, Test Operation ATC,  
St Paul, MN  
Coordinator Andy Jensen

## SESSION III

### UNDERGROUND AND OVERHEAD SYSTEM OPERATION AND SAFETY

Registration Fee \$20 00

#### Description

Course is designed for operating, maintenance and design personnel. Topics covered are common to all electric utilities and a good session to ask questions

Title RADIO INTERFERENCE

Instructor Sid Hanson, N S P Co , Sioux Falls, SD

Title EFFECT OF FAULT CURRENT ON METERING  
CARE AND USE OF RUBBER GLOVES

Instructor Art Stortroen, Otter Tail Power Co , Fergus Falls, MN

Title PRIMARY UNDERGROUND CABLE  
CONSTRUCTION AND HANDLING

Instructor Jim Clelland, Alcoa-Conductor Products, Minneapolis, MN

Title OVERHEAD COVERUP AND TESTING OF  
ENERGIZED CONDUCTORS

Instructor Dan Nilsen, Ron Setter, Fresco, Minneapolis, MN

Title UNDERGROUND SWITCHES, FAULT INDICATORS AND  
UNDERGROUND FUSING

Instructor Doug Nelson, Border States Electric, Fargo, ND

Title UNDERGROUNDING, SWITCHING OF UNDERGROUND  
SWITCHING MODULES, SINGLE PHASE AND  
3 PAD MOUNT TRANSFORMERS

Instructor Don Carsten, Minnkota Electric, Minneapolis, MN

Coordinator Dean Whalen, Norman Anderson,  
Willy Hautschild, Harry Leach

## SESSION IV

### **OCR. REGULATOR MAINTENANCE AND TRANSFORMER DESIGN AND EVALUATION**

Registration Fee \$20 00

#### Description

A 4-hour minicourse on testing, maintenance, and operating regulators, a regulator and parts will be available for watching in operations. Other regulators will be available for repair, a short course on voltage settings will be held.

Instructor Allen Beyer, East River Electric, Madison, SD

#### Description

An 8-hour minicourse on testing, maintaining, and operating reclosers. We will have many different types of reclosers on hand. We also encourage you to bring a recloser with you for the workshop.

Instructor Ed Otto, Ed's Reclosers, Soloman, Kansas 67480

#### Description

A 4-hour minicourse on power transformer design and evaluation: round versus rectangular design, HV and LV dry type transformers, along with distribution transformer loading practices.

Instructor Roy Lane, Heavy Duty Electric, Goldsboro NC

Coordinators Bert Voegele  
Duane Vlasman

## SESSION V

### ELECTRIC METERING

Registration Fee \$20 00

#### Description

A 16-hour course covering basic metering principles, metering connections, instrument transformer metering, demand metering, time of day metering and power factor metering. This is a course for metermen with various experience levels.

Instructors Robert Smith, General Electric, Alexandria, LA  
Lee Samuel, General Electric, Sommersworth, NH  
Clarke Christiansen, N W P S Co , Huron, SD

Coordinators Pete Swanson  
Merlyn Wookey

## SESSION VI

### RED CROSS MULTI-MEDIA (First Aid) AND CPR

Registration Fee \$20 00

#### Description

The standard first aid course offered by the American Red Cross Multi-Media method provides solid first aid training to deal with common emergencies. It features filmed demonstrations, guided practice sessions and programmed workbooks.

CPR trains persons to administer effective cardiopulmonary resuscitation to victims whose heart and breathing are not functioning.

Instructor: Frank Harrington, American Red Cross, Minnehaha County Chapter, Sioux Falls, SD

Coordinator: Vic Graham

#### NOTE

Persons taking this session will qualify to take Red Cross Instructor orientation. The course for men and women is limited to a maximum of 14 students.



**SESSION VII**  
**BASIC ELECTRICITY**  
**TRANSFORMER CONNECTIONS**  
**AND PHASING**

Registration Fee \$20 00

**PART I**

Title Basic Electricity

Description

Basic Electricity is an 8-hour course designed to help linemen relate basic electricity to his everyday work activities such as transformers, capacitors, metering, system design, regulation and coordination

Instructor Dennis Merchant, Vo-Tech School, Mitchell, SD 57301

**PART II**

Title Transformer Connections and Phasing

Description

Workshop is an 8-hour course designed to give line personnel a non-technical basic review of single and 3 phase power  
Course will help explain and analyze electrical problems in 3 phase power rotation, delta y connections, as well as exercises in power trouble shooting single and 3 phase generators in conjunction with 3 phase power banks

Instructor Gordon Solee, Otter Tail Power Company, Fergus Falls, MN

Coordinator Al Kubousek

Dave Coyle

# **JOINT UTILITY TRAINING COMMITTEE**

## **Chairman**

Pete Swanson, Watertown Municipal Utilities, Watertown, SD

## **Vice President**

Vic Graham, Northern States Power Co , Sioux Falls, SD

## **Secretary**

Bert Voegele, Codington-Clark Electric Coop , Inc , Watertown, SD

## **Treasurer**

Roger Nagel, South Dakota Rural Electric Association, Pierre, SD

## **South Dakota Electrical Council**

Al Ringgenberg, Ringgenberg Electric, Aberdeen, SD

## **JUTS MEMBERS**

### **South Dakota Rural Electrics**

Roger Nagel, S D Rural Electric Association, Pierre, SD

Rick Krell, S D Rural Electric Association, Pierre, SD

Norman Anderson, Charles Mix Electric Coop, Lake Andes, SD

David Coyle, Oahe Electric Coop, Blunt, SD

Harry Leach, Black Hills Electric Coop, Custer, SD

Duane Vlasman, East River Electric Power Coop, Madison, SD

Bert Voegele, Codington-Clark Electric Coop , Inc , Watertown, SD

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

Vic Graham, Northern States Power Co , Sioux Falls, SD

Willy Hautschild, Montana-Dakota Utilities, Mobridge, SD

Al Kubousek, Otter Tail Power Co , Milbank, SD

Everett Pompy, Black Hills Power & Light Co , Rapid City, SD

Merlyn Wookey, Northwestern Public Service Co , Huron, SD

### **Municipal Electric Utilities**

Andy Jensen, Brookings Municipal Utilities, Brookings, SD

Pete Swanson, Watertown Municipal Utilities, Watertown, SD

Dean Whalen, Pierre Municipal Power & Light, Pierre, SD

The JUTS Committee would like to thank the following instructors and their companies for their participation in the Eighth Annual Joint Utility Training Workshop. Without their involvement, this program would not be possible.

All instructors are cordially invited to breakfast at 7:00 a.m. on Wednesday, January 26 and Thursday, January 27 at the Ramada Inn- compliments of the JUTS Committee.

Allen Beyer	East River Electric Madison, SD
Don Carsten	Minnkota Electric Minneapolis, MN
Clarke Christianson	Northwestern Public Service Co Huron, SD
Jim Clelland	Alcoa Conductor Products Minneapolis, MN
Ron Doll	Road Machinery & Supplies Bloomington, MN
Sid Hanson	Northern States Power Co Sioux Falls, SD
Frank Harrington	American Red Cross Sioux Falls, SD
John Heisler	Ditch Witch of South Dakota, Inc Sioux Falls, SD
Ron Koosman	Road Machinery & Supplies Bloomington, MN
Roy Lane	Heavy Duty Electric Goldsboro, NC
Clarence Larson	ATC Test Center St. Paul, MN
Dennis Merchant	Vo-Tech School Mitchell, SD
Doug Nelson	Border States Electric Fargo, ND

Dan Nilsen	Fresco Minneapolis, MN
Ed Otto	Eds Reclosure Service Soloman, KS
Kurt Peters	Montana-Dakota Utilities Bismarck, ND
R E Richardson	Hevi-Duty Electric Goldsboro, NC
Lee Samuel	General Electric Co Sommersworth, NH
Ron Setter	Fresco Minneapolis, MN
Robert Smith	General Electric Co Alexandria, LA
Gordon Solee	Otter Tail Power Co Fergus Falls, MN
Art Stortroen	Otter Tail Power Co Fergus Falls, MN
Frank Wiseman	Charles Machine Works Perry, OK