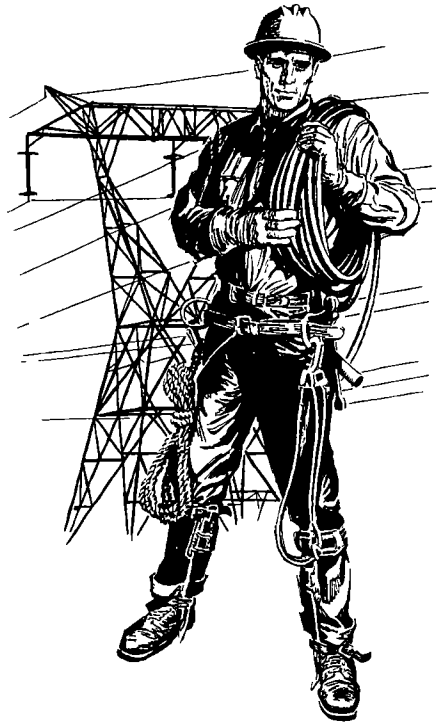


SIXTH ANNUAL JOINT UTILITY TRAINING WORKSHOP

**JAN. 27, 28 & 29, 1981
RAMADA INN
SIOUX FALLS, S. DAK.**



Total registered 217

SPONSORED BY
Joint Utility Training Committee (JUTS)
South Dakota Electrical Council

January 27, 28 & 29, 1981
Ramada Inn
Sioux Falls, South Dakota

PROGRAM

TUESDAY

January 27, 1981
Ramada Inn

REGISTRATION

10:00 a.m. to 12.30 p.m.

WEDNESDAY

January 28, 1981

LUNCHEON

Corridor Banquet Lobby
12:15 p.m. to 1:15 p.m.

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.

All session times will be:

Tuesday	1:00 p.m. to 5:00 p.m.
Wednesday	8:00 a.m. to 12:00 Noon 1:30 p.m. to 5:30 p.m.
Thursday	8:00 a.m. to 12:00 Noon

SESSION I

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LEADERSHIP SEMINAR

Title. Improving Supervisory Skills

Description:

Topics will include nature of leadership, knowing your employees—individual differences, understanding performance and behavior, improving three-way communication, maintaining effective discipline, handling complaints and grievances, and building job satisfaction and morale.

Coordinator: Clarence Wattnem

Instructor: Kurt Peters
Montana-Dakota Utilities Co.
Bismarck, ND 58501

SESSION II

BASIC ELECTRICITY AND RUBBER PROTECTIVE EQUIPMENT

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Part I

Title. Basic Electricity

Description:

Basic Electricity is a 15-hour course designed to help linemen relate basic electricity to his everyday work activities such as transformers, capacitors, metering, system design, regulation and coordination.

Coordinator: Harry Leach

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

Part II

Title: Rubber Protective Equipment

Description:

Rubber Protective Equipment is a one-hour course designed to instruct linemen in the care and use of rubber protective goods.

Coordinator: Harry Leach

Instructor: Art Stortroen
Otter Tail Power Company
Fergus Falls, MN 56537

SESSION III

**HYDRAULICS AND TRENCHER
OPERATIONS AND MAINTENANCE**

Part I

Title: Operator's Seminar in Hydraulic Line and Aerial Equipment

Description:

This course is designed for operators and maintenance personnel of bucket trucks, digger derricks, plus care and repair of fiberglass booms. (8 hours)

Coordinator: Mike Mebius

Instructors: Chas. Olson & Sons and Wheel Service Co., Inc.
Don Hjerpe, St Paul, MN 55114
Don Sirek, St. Paul, MN 55114
Ole Nygaard, Watertown, SD 57201

Part II

Title: Operator's Seminar in Trenching Equipment

Description:

This course is designed for trencher operators and maintenance personnel. Will cover trencher safety and operation, plus maintenance of trenchers. (8 hours)

Coordinator: Mike Mebius
Ditch Witch of S.D., Inc.

Instructors: John Heisler, Sioux Falls, SD 57105
LaMoyne Madson, Sioux Falls, SD 57105
Glen Boscaljon, Garretson, SD 57030
Jim Smith, Charles Machine Works,
Perry, OK 73077

SESSION IV

UNDERGROUND SYSTEM OPERATION

Description:

Session will consist of four separate 4-hour classes to total a 16-hour session. Students will be rotated through all four. Course is designed for operating, maintenance and design personnel. This session will be "hands on" and the students that sign up for this session are requested to bring terminating tools, hard hat, rubber gloves and safety glasses

Coordinators: Roger Nagel, Ernie Leesch, Andy Jensen

Titles and Instructors:

1. Splicing, Terminating and Proper Connections (4 hours)
 - Lee Tourtelotte - Klass Company, Minneapolis, MN 55404
 - Don Carsten - Klass Company, Minneapolis, MN 55404
 - Harry Fritz - Addison Consolidated Engineers, Inc.,
Lakewood, CO
2. Switching, Phasing, Grounding and Fault Indicators (4 hours)
 - Doug Nelson - Border States, Fargo, ND 58102
 - Dave Habicht - Border States, Bismarck, ND 58501
3. Cable Locating and Fault Finding -
Primary and Secondary (4 hours)
 - Bernie Ayers - Burmeister, Minneapolis, MN 55422
 - Jim Fox - Maxwell Engineering, Minneapolis, MN
 - Merrill Haddon - Aquatronics, Salem, OR
4. Transformer Connections and Safety (4 hours)
 - Mike Cannon - WESCO, Sioux City, IA
 - Bill Cimperman - WESCO, Sioux City, IA

SESSION V

OCR MAINTENANCE

Description:

A 16-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.

Coordinators: Bert Voegelé and Pete Swanson

Instructors: Ed's Reclosers

Ed Otto, Soloman, Kansas 67480

Robert Guerra, Soloman, Kansas 67480

SESSION VI

OPERATING A DISTRIBUTION SYSTEM

Description:

This course is designed for people in the electrical engineering field and for those individuals who are responsible for the design and operation of a distribution system

Coordinator: Tom Gulbranson

Titles and Instructors:

- 1 **Recloser and Fuse Coordination (4 hours)**
Rod Scheel
Otter Tail Power Company
Fergus Falls, MN 56537
2. **Power Factor (4 hours)**
Clark Christiansen
Northwestern Public Service Company
Huron, SD 57350
- 3 **Regulators (4 hours)**
Paul B. Brown
General Electric Company
Pittsfield, MA 01201
4. **New Metering Concepts—Load Management (2 hours)**
Grant H Seaverns
General Electric Company
Somersworth, NH 03878
- 5 **Radio and TV Interference (2 hours)**
Sidney Hanson
Northern States Power Company
Sioux Falls, SD 57101

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SESSION VII

RED CROSS MULTI-MEDIA (FIRST AID) AND CPR

Description:

The standard first aid course offered by the American Red Cross in the multi-media method provides solid first aid training to deal with most 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 is not functioning

Coordinator: Russ Wagner

Instructor: Frank Harrington, American Red Cross
Minnehaha County Chapter, Sioux Falls, SD 57105

NOTE Persons taking this course will qualify to take Red Cross Instructor Orientation. Course for men and women. An additional \$7.50 will be added for registration to cover required workbooks.

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SESSION VIII

TRANSMISSION HOT LINE WORK

Description:

A 16-hour course designed for linemen doing hot line work on 69 KV power lines. The individuals taking this course will be doing hot stick work on de-energized line.

Coordinator: Vic Graham

Instructors: Ray Kepler - A.B. Chance
Centralia, MO 65240

Lawrence Haan - Northern States Power Company
Sioux Falls, SD 57101

Doug Merager, East River Electric Power Coop
Madison, SD 57042

Equipment Needed: Each person should bring his own hooks, body belt, tools and safety protection equipment

JOINT UTILITY TRAINING COMMITTEE

Chairman

Frank Durant, Montana-Dakota Utilities Co , Mobridge

Vice President

Clarence Wattnem, Lincoln-Union Electric Company, Alcester

Secretary.

Tom Gulbranson, Northwestern Public Service, Huron

Treasurer.

Roger Nagel, South Dakota Rural Electric Association, Pierre

South Dakota Electrical Council

Russ Wagner, Northern States Power Company, Sioux Falls

JUTS MEMBERS

South Dakota Rural Electrics:

Roger Nagel, JUTS Supervisor, REC, Pierre

Ernie Leesch, JUTS Instructor, REC, Pierre

Clarence Wattnem, Lincoln-Union Electric Company, Alcester

~~Mike Mebus~~, Tri-County Electric Association, Plankinton

~~Bert Voegelé~~, Codington-Clark Electric Cooperative, Watertown

Harry Leach, Black Hills Electric Cooperative, Custer

~~DUANE VARSMAN~~

*EAST RIVER Electric Power
Cooperative* *MOGISON*

Investor-Owned Electric Utilities:

Vic Graham, Northern States Power Company, Sioux Falls

Tom Gulbranson, Northwestern Public Service, Huron

Bill Giesen, Otter Tail Power Company, Milbank

Frank Durant, Montana-Dakota Utilities Co , Mobridge

Everett Pompy, Black Hills Power & Light, Rapid City

Municipal Association:

Andy Jensen, Electric Utilities, Brookings

Pete Swanson, Electric Utilities, Watertown

Dean Whalen, Electric Utilities, Pierre

The JUTS Committee would like to thank the instructors and their companies for their participation in the Sixth 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, Jan. 28, and Thursday, Jan 29, at the Ramada Inn—*compliments of the JUTS Committee*

Ayers, Bernie	Burmeister Minneapolis, MN 55422
Boscaljon, Glen	Ditch Witch of S.D., Inc. Garretson, SD 57030
Brown, Paul B	General Electric Company Pittsfield, MA 01201
Cannon, Mike	WESCO Sioux City, IA
Carsten, Don	Klass Company Minneapolis, MN 55404
Christiansen, Clark	Northwestern Public Service Company Huron, SD 57350
Cimperman, Bill	WESCO Sioux City, IA
Fox, Jim	Maxwell Engineering Minneapolis, MN
Guerra, Robert	Ed's Reclosers Soloman, Kansas 67480
Haan, Lawrence	Northern States Power Company Sioux Falls, S D. 57101

Habicht, Dave	Border States Fargo, ND 58102
Hadden, Merrill	Aquatronics Salem, OR
Hanson, Sidney	Northern States Power Company Sioux Falls, SD 57101
Harrington, Frank	American Red Cross Minnehaha County Chapter Sioux Falls, SD 57105
Heisler, John	Ditch Witch of S.D., Inc. Sioux Falls, SD 57105
Hjerpe, Don	Chas Olson & Sons and Wheel Service Co., Inc St. Paul, MN 55114
Kepler, Ray	A. B Chance Centralia, MO 65240
Madson, LaMoyne	Ditch Witch of S.D. Inc. Sioux Falls, SD 57105
Merager, Doug	East River Electric Power Coop Madison, SD 57042
Merchant, Dennis	Vo-Tech School Mitchell, SD 57301
Nelson, Doug	Border States Fargo, ND 58102
Nygaard, Ole	Chas. Olson & Sons and Wheel Service Co., Inc. Watertown, SD 57201

Otto, Ed	Ed's Reclosers Soloman, Kansas 67480
Peters, Kurt	Montana-Dakota Utilities Co. Bismarck, ND 58501
Scheel, Rod	Otter Tail Power Company Fergus Falls, MN 56537
Seaverns, Grant H.	General Electric Company Somersworth, NH 03878
Sirek, Don	Chas. Olson & Sons and Wheel Service Co., Inc. St. Paul, MN 55114
Smith, Jim	Charles Machine Works Perry, OK 73077
Stortroen, Art	Otter Tail Power Company Fergus Falls, MN 56537
Tourtelotte, Lee	Klass Company Minneapolis, MN 55404

Registration : 218

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