The AIEE Pacific General Meeting will be held in Pasco, Washington, August 28, 29, and 30, 1957. The headquarters for the meeting and all technical sessions will be in the new Pasco Senior High School.

The technical program will be notable for the variety of subject matter as well as the quality of the papers. The social and recreational programs have been planned for the engineer and his family and will be mostly outdoors. The inspection trips will be both traditional and precedent setting with a strong emphasis on variety to suit a wide field of interests.

The guests will find convenient parking close to meeting headquarters, hotels and motels. The family groups will find the outdoor recreational activities and the semi-arid climate to be very attractive.

The famous Ellensburg Rodeo will be held Labor Day weekend and many county fairs and other events prior to and following the AIEE Pacific General Meeting will be of extraordinary interest to family groups. A trip through the apple and other fruit orchards as well as the endless variety of vegetable growing and packing plants of the Inland Empire sections of eastern Oregon and Washington will be an unforgettable experience. The snow-capped Rockies to the east and the Cascades to the west provide recreation, camping and scenery unmatched in beauty and variety. The almost complete absence of rain during August and September adds tremendously to the pleasure of the outdoors; the well marked trails and excellent highways located to provide the most favorable approaches and maximum accessibility will long remain a memorable experience.

GENERAL SESSION

The General Session on Wednesday morning, August 28, will include an address by president Walter J. Barrett. It will also feature speakers of national reputation in the fields of atomic power. Frank J. McCune, vice-president and general manager of the Atomic Products Division of the General Electric Company and Fellow of the Institute, will discuss "Outstanding Problems in the Atomic Energy Field." Plans include another speaker of prominence who will cover other important phases of the atomic energy industry.

HOTEL RESERVATIONS

A large number of rooms in hotels and motels located in Kennewick, Pasco, and Richland are available. These rooms will be reserved until the first day of the meeting.

Hotel and motel charges will be: single—$5.00 to $6.00, double—$5.00 to $8.00 and twin—$7.00 to $10.00.

There are rooms available with a double and single bed and also with two double beds, and persons wanting such special arrangements should state their needs in the request for reservations. Persons planning to attend are urged to write AIEE Pacific General Meeting, Pasco, Washington, and express their preferences for type of room and facility.

LUNCH FACILITIES

The several luncheons described at other places will be supplemented by a lunch service in the headquarters building. The prices will be a matter of individual choice. Continued on page 4
Wednesday, August 28
2:00 p.m.—Power Generation
Preceding: R. L. Fearn
2:00 p.m.—Nuclear and Radiation Instruments
Preceding: L. H. Holmahan, M. M. Dez
2:00 p.m.—Metering
Preceding: W. D. McLevog
CP*: Title to be selected. Dr. G. F. Knowlman, L.R.M. Corp.
CP*: Assistance to Engineers from Human Factors Research. Dr. Maurice Rappaport, Stanford Research Institute.
CP*: Advanced Instrumentation. Dr. Jesse Ortwein, Dunlap and Associates.
2:00 p.m.—Wire Communication
Preceding: N. J. McDermut
CP*: Transmitting Carrier to Existing Plant. Northern California Telephone Co. E. M. Calderwood, L. J. Robertson, Pacific Telephone and Telegraph CP*: A Transmitted Repeater for Use with the IBM Cable Carrier System. V. Rabinin, R. H. Fish, Lenkurt Electric Co.
Thursday, August 29
9:00 a.m.—Transmission and Distribution
Preceding: E. C. Stare
CP*: Simplified Sag Calculations for Power Transmission Lines. F. J. Huber, Depuy, DEP and Water Power, City of Los Angeles.
CP*: Effect of Flat Rate on Electric Power Consumption. F. J. Mullen, General Electric Co.
9:00 a.m.—Nuclearities I
Preceding: L. D. Langenauer
CP*: Operating Hanford Reactors. D. S. Lewis, General Electric Co.
2:00 p.m.—Industrial Power Systems I
Preceding: R. A. Ervin
CP*: Electrical Safety in the Camery. R. S. Wilson, Consulting Electrical Engineer.
2:00 p.m.—Radio Communication
Preceding: T. W. Stringfield
CP*: Williams Valley Radio System for the U. S. Corps of Engineers. C. Pederson, U. S. Army Corps of Engineers; D. J. D. Mainhart, Bonneville Power Administration.
3:00 p.m.—Air Conditioning and Heating
Preceding: E. D. Barnes
CP*: A Modified Microwave System for Color Television Transmission. F. F. McChesney, Pacific Telephone and Telegraph Co.
CP*: Statistical Encoding for Text and Picture Communication. W. S. McPheir, Bell Telephone Laboratories. (For Discussion)
CP*: A New Control Circuit. L. B. Benson, Pacific Telephone and Telegraph Co.
4:00 p.m.—Space Heating and Air Pollution
Preceding: R. G. MacCrone
9:00 a.m.—Safety
Preceding: R. E. Vann
9:00 a.m.—Industrial Power Systems II
Preceding: W. Ferguson
2:00 p.m.—Magnetic Amplifiers
Preceding: A. B. Bonnier
CP*: The Block-Diagram Method of Analysis Applied to the Nuclear Reactor—R. M. Halsdon, Boeing Airplane Co.
2:00 p.m.—Flight Test Instrumentation
Preceding: W. S. Prichett
CP*: Magnetic Recording of Flight Test Data—R. M. Strasser, University of Minnesota.
2:00 p.m.—Miscellaneous
Preceding: M. A. Bovick
CP*: Sizing for Industrial and Commercial Loads with emphasis on conductor with the Utilities Protection Conference.
2:00 p.m.—Television and Aural Broadcasting
Preceding: E. D. Barnes
CP*: A Modified Microwave System for Color Television Transmission. F. F. McChesney, Pacific Telephone and Telegraph Co.
CP*: Statistical Encoding for Text and Picture Communication. W. S. McPheir, Bell Telephone Laboratories. (For Discussion)
CP*: A New Control Circuit. L. B. Benson, Pacific Telephone and Telegraph Co.
2:00 p.m.—Space Heating and Air Pollution
Preceding: R. G. MacCrone

Midway Substation

Cathedral at ice Harbor

Northern Pacific's North Coast Limited
CONTINUED FROM PAGE ONE

REGISTRATION

The registration activities will be located in the Pasco Senior High School and will open Tuesday noon and daily thereafter until Friday evening. Fees for all activities will be collected at this place.

All mail for persons attending or inquiries concerning the meeting should be addressed to AIEE Pacific General Meeting, Pasco, Washington, and marked attention of the appropriate person or activity.

ADVANCED REGISTRATION

All persons are urged to return their advanced registration cards promptly. The registration fees will be $5.00 for members and $8.00 for non-members. Student members and families of members will not be required to pay a fee.

TRANSPORTATION

West Coast Airlines has several flights each day between North- west United and Pasco. All attendance at the meeting will be convenient and provide the best connections at transfer points in Spokane, Seattle, Portland and Boise.

Most modern streamline trains of the Great Northern, Northern Pacific and Union Pacific Railways are routed through or close to Pasco. The schedules will be found good and convenient both as to arrival and also for departure from Pasco.

The Greyhound Bus system has frequent arrivals from and departs to all important west coast cities. Many of the buses are express runs to distant points routed through matched scenery and pass important historical and industrial sites.

The Pasco area is the junction point for many of the more important highways in the Northwest. These highways radiate to the key cities of the Northwest and are relatively new.

LADIES PROGRAM

All visiting ladies will be guests at a brunch Wednesday morning at 10:00 in the patio of the Desert Inn in Richland. All persons planning to attend are urged to register in advance of Wednesday morning.

The Kennewick Country Club will welcome the ladies to a buffet supper Wednesday evening at 6:30. The supper will be followed by a Bingo Party. Tickets will be $2.75.

The Officers Club in North Richland will be the location for Luncheon on Thursday at 12:45 PM. Bridge and Canasta will follow the luncheon. Tickets will be $1.75.

Ladies are cordially invited to play golf at any time at the Kennewick Country Club. It is suggested that ladies who are not interested in golf, or those who wish to watch the contest, may call at the Club for a game of golf and swimming at the Kennewick Country Club to be a very pleasant morning activity.

The Tri-Cities have many park areas and facilities which are ideally suited for a family picnic, swimming, tennis and recreational activities. Riding horses are generally available.

The weather in the Tri-Cities is generally cool in the evenings. It is wise to carry a sweater, and shoes should be cool and comfortable. Sun dresses with jackets are especially good and a sweater or stole should be included for the cool evenings.

ENTERTAINMENT PROGRAM

The evening entertainment program has been planned so that sport or western clothing will be in order.

A Stag Smoker will be held Wednesday evening in the spacious Elks Club in Pasco. The club facilities and activities will be available and the cost will be a matter of individual choice. A buffet dinner will start at 7:00 PM and tickets will be $2.50 each.

Sacajawea State Park will be the scene for the Thursday evening activities. There will be plenty of real western barbecue with all the trimmings. The Snake River Cowboys will be on hand to keep things moving. Several water sports activities will also be presented.

The entire affair at Sacajawea Park will be covered by the $2.00 tickets.

Following the activities at Sacajawea State Park facilities of the Pasco Elks Club will be available for dancing and club activities for those who do not have other plans.

STUDENT PROGRAM

Informal gatherings on Wednesday will help the students of Districts #8 and #9 get acquainted and meet the students from other districts.

The Student Luncheon Thursday noon will provide further opportunities to get acquainted. The students will be guests and all members are invited to attend. A speaker of national reputation will discuss student problems and interests.

The Thursday afternoon meeting for students will feature presentation of two top-ranking district contest papers and will include a discussion of student branch affairs.

The Faculty Counselors meeting will also be held Thursday afternoon.

The student programs have been arranged to permit student participation in the many interesting inspection trips and technical programs. The entertainment and ladies programs have been planned to offer many items of interest to students.

INSPECTION TRIPS

Several interesting inspection trips have been planned for the meeting. These include tours of the McNary Dam and Powerhouse on the Columbia River, the Ice Harbor Dam construction on the Snake River, and the 230 KV Midway Substation.

Members registering for the Pacific General Meeting are also asked to register in advance for these trips since the number of persons who can be accommodated on each trip is limited. In making trip reservations members should furnish names, nationalities, and business connections. Fees will be collected at the Registration Desk when tickets are picked up at the meeting headquarters.

Proof of United States citizenship will be required for the McNary Powerhouse and Midway Substation trips, and members should be prepared to comply with security regulations such as are in effect at the time of the meeting.

McNary Dam and Powerhouse, Thursday, August 29, 1957, 8:00 A.M. to 12:00 noon. A forty-two mile trip by chartered buses will be made to one of the great hydro-electric installations of the Northwest located on the Columbia River at Umatilla, Oregon. Outstanding features include the powerhouse, 1,422 feet in length with 980 megawatts installed capacity, the outlet for 1,589,000 cu. ft. per second at normal pool, the 92 foot single lift navigation lock and fish ladders for salmon migration to the headwaters of the Columbia and Snake Rivers. Ticket: $2.50.

Ice Harbor Dam Construction and Phillips Pacific Chemical Company Plant, Thursday, August 29, 1957, 3:00 P.M. to 5:00 P.M. Visitors will have a choice of two short inspection trips:

(1) Six miles from Pasco to see the early stages of Ice Harbor Dam construction, a hydro-electric dam and powerhouse which will eventually rival other large installations in the Northwest power system;

(2) Nine miles from Pasco to see a chemical plant installation for the manufacture of anhydrous ammonia which was completed this spring. Ticket: $1.00 each trip.

Midway Substation and Hanford Works Area Tour, Friday, August 30, 1957, 8:00 A.M. to 2:00 P.M. A trip by chartered buses to the Midway Substation, Hanford Works barricated area will travel through the Hanford Works barricated area giving an opportunity to see these important Atomic Energy Commission installations. Groups will stay aboard the buses; however, stops will be made at various reactors and chemical separation areas to enable guides to discuss process steps.

The Midway Substation is the hub of the Bonneville Power Administration main transmission grid, interconnecting Grand Coulee, Bonneville, and the Dalles Dams and the central Washington load areas. Because of Midway's strategic location and the number of interconnections, involving nearly a million kilowatts, it is extremely important from a system stability standpoint. Lunch will be served at Midway. Buses returning to Pasco will again pass through the Hanford area, but by a different route from that of the outgoing trip. Ticket: $5.00.

We suggest that members traveling to this Pacific General Meeting by private automobile may well combine it with a pleasant vacation trip and use the opportunity to visit other important Pacific Northwest developments, such as the Grand Coulee and the Dalles dams on the Columbia River and the Kaiser Aluminum Plant near Spokane, Washington.

COMMITTEE

The Pacific General Meeting committee chairmen are: Owen W. Hard, General Chairman; H. A. Carlfeld, Vice Chairman; S. M. Rhyneer, Secretary; W. J. Dowis, Technical Program, H. A. Broder- son, Transportation and Inspection Trips; D. W. McLeaneg, Students W. C. R. Beshudes; Ladies: R. B. Britton, Entertainment; L. P. Reinig, Registration; F. P. Robinson, Hotels and Motels; F. J. Mollerus, Finance, and R. C. Hoffman, Publicity.

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