

Boardman Boom To Bring People, Problems and Prosperity

In the light of last week's announcement by Portland General Electric that Carty and Six-Mile reservoir sites in the north end of Morrow County as the better of six prospective locations for its proposed second large-scale nuclear plant, the address made by Wyatt M. Rogers, Jr., at the RC&D banquet Oct. 11 takes on big new proportions. Mr. Rogers is the Associate Director of Western Interstate Nuclear Board.

The Board has designed projects to assist state and local government as well as business and industry in utilizing and regulating the peaceful atom.

Safety
One is a radiological surveil-

Lexington Girl Helps Orphans

Eight-year-old Ella Mae Green thought out and carried through a personal philanthropic project recently. Ella Mae wanted very much to help orphans in Korea. She decided to sell garden produce house to house in Lexington. With some assistance from her parents, Mr. and Mrs. Harry Green who contributed the gardening, Ella Mae loaded her small wagon and started out.

She sold over \$11.00 worth of fruit and vegetables and now is hopeful to earn a little more money to add to her personal contribution to the Holt organization. Ella Mae is in the third grade at Heppner Elementary School. She read about the need for diapers for Korean orphans and determined to do something to help.

Working Men Need

Four single men will be in town on Sunday looking for housing before they start work in the Elkhorn area on Monday. They are employed by the Land Management Services in Eugene which has a contracted job to do for the Kinzua Corporation. The men will possibly work on the job all winter if the weather doesn't get too severe.

The Eugene company says the men will consider rooms or a house or a room and board arrangement. See the classified ad under Wanted for details on whom to contact.

REPORTS AT CHAMBER

At Monday's Heppner-Morrow County Chamber of Commerce luncheon, reports were made on various projects.

Harold Kerr told of the interest shown on the bus tour of the new farms and the nuclear power plant sites in the North End. Larry Mills told of the experiment by Boeing in their garbage test plots. He emphasized that this is strictly a test, so far. The garbage—70% being paper and paper products—is brought up from Portland after a little processing or shredding by a Vancouver firm. It is poured over the test tract on the Boeing property and tilled into the soil going in perhaps eight or ten inches deep. They plan to seed and irrigate. Mr. Mills said if the plan proves feasible, next spring they will barge up about a thousand tons daily. At present, the material is not shredded as finely as they expect to, later. OSU experts are on the tract making studies to determine the value of the project, whether it will help hold the blowing soils, whether the material will add fertilizing properties, and other factors.

Dale Boner stated that Lake Penland project will be inspected by the Soil Conservation Service, U. S. Forest Service and Oregon State Game Commission officials.

Nona Sowell and Vel Robinson of the Christmas decorations committee said new decorations were ordered.

Jim Bier said the annual Farm - City Banquet would be held either Friday, Dec. 10, or Saturday, Dec. 11.

Mayor Bill Collins announced that the Council had decided on the bond election to be held here Nov. 8.

lance program. It will develop radiological data before operation of the nuclear power plants being built on both sides of the Columbia River. After beginning of plant operations, it will include continuous monitoring at various points in the Columbia River Basin to help assure the safe operation of the facilities.

Another program which could dovetail readily with Morrow County's plans to develop a "nuclear-agro-industrial complex" is the group which plans to study various means of using warm water discharges from power plants in beneficial ways and to encourage the development of

multi-use nuclear power plants. An agro-industrial complex as foreseen by those long range planners of Port of Morrow and other agencies is also referred to as a "nuplex" or nuclear energy center.

Lots of Water
In discussing the agro-nuclear concept, it is important to understand that nuclear power plants require vast quantities of cooling water to condense the steam used in the turbine-generators. A modern 1000 megawatt nuclear power plant requires 50 to 60 million gallons of cooling water per hour. This water is non-radioactive since

it does not come into contact with the nuclear reaction. The removal of this residual heat is expensive before it can be discharged into the surrounding water shed.

Agricultural Applications

Experiments by the Oregon Agricultural Experiment Station have demonstrated how the use of warm water discharged from nuclear power plants can be utilized. Experiments have shown increased yields of such crops as corn, corn silage, bush beans, soybeans and tomatoes. Warm water sprinkling can provide effective frost protection, irrigation and plant cooling for a

variety of orchard crops.

Other Uses

Ideally excess heat from a power plant should be used productively in industry, agriculture and space heating. Secondary utilization of heat would reduce the thermal energy discharged directly into the environment and would conserve the additional fuel that otherwise would be consumed in supplying the heat.

Growth Imminent

The expected availability of low-cost electricity, process steam and warm water from the proposed nuclear power plant provides incentives toward planning a multi-purpose nuplex in the Boardman area during the next 15-20 years. Such complexes could provide the basis for dramatic economic development.

Mr. Rogers complimented the area on the scope and magnitude of plans to develop a nu-

clear-agro-industrial complex. With the great agricultural potential in the area and with the participation of industrial firms such as Boeing Company, electric utilities, farmers and other community leaders, "you have a basis for planning and developing what might well become the nation's first truly commercial-scale nuplex. In so doing, your community could serve as a model for the nation in building a well-planned commercial-agricultural-residential center with a high standard of living and a healthy environment."

Boardman area could become a nuplex employing a two-unit nuclear plant. Such a power plant could energize an array of energy-intensive industries such as aluminum smelters, fertilizer and chemical plants, provide warm water irrigation for 100,000 to 200,000 acre agricul-

tural complex and still supply a significant block of surplus power to a regional electric grid. Direct employment in such a cluster could range from 3000 to 10,000 depending upon the industrial and agricultural mix. Such a complex would support a community population of 50,000 or more.

Boardman Is Aware

Boardman is aware of the ramifications of this possible increased population growth. There will be a public hearing on Nov. 17 for a review of the proposed comprehensive plan considering the population growth factors.

Mayor Dewey L. West, Jr., says he anticipates the population composition will be similar to the Columbia Basin Project. He urges the area to be prepared for the minorities and migrant farm labor that will be part of the growth.

Housing

Housing may follow the cluster concept. Homes are grouped together on smaller lots surrounded by open space. The clustering conserves open space for playgrounds, swimming pools and parks.

In some developments, large tracts can be under single ownership. A typical residential planned unit could include varieties of housing designs from single-family up to garden apartments. Within the tract a swimming pool could be owned jointly by residents and maintained by a homeowner's association.

In his talk Mr. Rogers emphasized the high level of cooperation and joint planning among all segments of the county that will be required for orderly development.

Hollis McKnight, cousin of Mrs. Frank Hamlin, left for Minneapolis and then to her home at Ormand Beach, Fla.

Mrs. Hamlin and Mrs. McKnight went to Portland and visited relatives there and at Canby. Mrs. McKnight especially enjoyed Lloyd Center. She had never seen anything to compare with it on the east coast.

The two went on to Winnemucca. They enjoyed their stay at the Winnemucca Hotel which is operated by a Basque family. "The meals were wonderful", they said.

THE GAZETTE-TIMES

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Power Man to Address Col. Basin

Columbia Basin announced this week that Dick Welsh, chairman Generating Resource Investigating Team for Portland General Electric would be the key speaker for the annual meeting on Nov. 19.

In light of last week's announcement about Carty and Six-Mile preferred sites for PGE's second large-scale nuclear plant, Columbia Basin users will be in line to hear first hand about Thermal Power.

Mr. Welsh, a native of Idaho has held numerous positions in power circles such as Construction Engineer for Ebasco Services, Planning and Development section of the U. S. Bureau of Reclamation and the Corps of Engineers and Engineering Coordinator of Pacific N. W. Power. Pacific N. W. Power is a combination of PGE, PP & L, Washington Water Power and Montana Power formed to construct Middle Snake River Project.



DICK WELSH, keynote speaker for Columbia Basin's annual meeting in Heppner on Nov. 19.

HAPPY HELPING HANDS

Our meeting started at 4:10 p.m. Ella Mae Green and Lori Edwards led the flag salute. Sharon McCarl read the minutes. We had a party on Oct. 8, to celebrate our having had a club for a year. We had a hike Sept. 25. We are going to have a bake sale in Heppner. We got a letter from Margie Viell from Milton-Freewater. We discussed going to the hospital for Halloween. The meeting was adjourned.

Lori Rhea, reporter

Chas. Lawrence On Carrier

Navy Petty Officer Third Class Charles E. Lawrence, husband of the former Miss Loreli L. Hubbell of Kinzua, Ore., has sailed for the Western Pacific aboard the attack aircraft carrier USS Constellation, homeported in San Diego.

SNAPPY SNIPPERS ELECT

The Snappy Snippers 4-H Club met Oct. 4 at the home of Natalie Tews. We had refreshments served by Rikka Tews, our leader. We elected officers: our president is Natalie Tews; vice president, Carol McElligott; secretary treasurer, Catherine McElligott; news reporter, Jan Peterson.

We talked about our records and what we would do for the year. Natalie Tews and Jan Peterson volunteered to do a demonstration PTA night at lone.

Reporter Jan Peterson

Ann Griffith's candle-making business is progressing nicely. Examples of her artwork are being displayed at the Bank of Eastern Oregon. She is enjoying pleasing people with her scented and unscented, hand-made candles.

LIVESTOCK GROWERS INVITE TO MEETING

Morrow County livestock growers are invited to attend the Wheeler County Stockgrowers Assn. annual meeting. The event is planned today (Thursday) from 10 a.m. to 4 p.m. at the Spray School.

Willows Grange has arranged a pinochle and pedro party for Saturday night (Oct. 23) at the Grange Hall at lone. There is no charge, but one dollar donations are encouraged.

The Bible Study class on Sunday evenings conducted by Rev. Edwin Cutting held its first meeting with a larger group attending than has attended the last several study classes at the Methodist Church. More copies of Dr. Bauman's textbook on "The Life and Teachings of Jesus" are being ordered.

The first session dealt with some of the similarities between the political and social problems of Christ's lifetime in Palestine and the political and social problems of today. The class is still open for anyone who wishes to come at 7:30 Sunday evenings.

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Sizes 8 to 18

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Reg. 12.99 Sale \$4.88	Reg. 22.99 Sale \$8.88
Reg. 15.99 Sale \$5.88	Reg. 24.99 Sale \$9.88

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