

New Development Era Pictured For Northwest

Leading Engineer Cited by Notson in Lions Club Address.

A new era of agricultural and industrial development for the Pacific northwest was pictured before the Monday Lions luncheon by S. E. Notson. His inspiring remarks were premised upon an address made recently before the Spokane chamber of commerce by L. F. Livingston, president American Society of Agricultural engineers. Dr. Livingston and other workers in the Farm Chemurgic council will take the lead in discussions before the Pacific Northwest Farm Chemurgic conference in Spokane, March 22 and 23, Mr. Notson reported.

One of the purposes of the conference is to survey the variety of farm products of the Pacific northwest which can be transformed into raw materials usable by industry and to encourage the joint cooperation of agriculture, industry and development nationally.

Completion of the Grand Coulee project will see thousands of acres of now desert land put under ditch, and development of small farm sites which can be operated part time by owners who will also work part time in the many factories to be run by the hydro-electric energy which will process the products of those farms, Mr. Notson said. He made that prediction two years ago in an address before the graduating class of Al-mira high school, and believed Dr. Livingston's predictions bore him out.

While development from Grand Coulee will take place mainly on the Washington side of the river, the same type of development is possible on the Oregon side, including the north end of Morrow county, if and when a high dam is built at Umatilla rapids.

Quoting from Dr. Livingston's address, Mr. Notson cited the growing of wonderful crops in the next five to ten years on the 1,250,000 acres to be put under water in the Columbia Basin, but crops largely non-competitive with present farm products. Flourishing farms will cover the area, and here and there will be small factories—first processing plants. Every twenty miles will be another factory—a chemical plant which will take the results of the first processing plants and bring out finished products. The centralized plant will need to be on a railroad or good highway.

Dr. Livingston admitted some dreaming in his picture, but was willing to stake his engineering reputation on its becoming a reality.

Mr. Notson further quoted: "Now what will these plants handle? I don't know that I can tell you all of them. Some of them will be vegetable fibers. I think certain types of vegetables will be grown. The roots will be used for one thing, the tops for another, and the fibers extracted, and twine and cloth made of them. Soy beans may be another crop."

Dr. Livingston recited the development in soy bean plastics, now widely used in industry, also the possibilities of soy bean oil with prediction of a time when farmers may grow soy beans for their own fuel. Each year 36,000,000 gallons of soy bean oil is used in and around Detroit.

He cited possibilities of alcohol from wheat and other grains, and touching closer home, told of growing Jerusalem artichokes on a commercial scale for extraction of finer sugar than any now on the market. This plant was before known only as a weed, and grows profusely on the irrigated projects in the north end of this county.

"We have a whole series of plants that when grown and processed, are going into tanning materials. There are a host of other things," Dr. Livingston was quoted. "I could go on for a long time along that line. They are coming and there isn't anything

that will stop it. I can see an industrial stomach which is going to be as large as the human and animal stomachs of today."

Reporting further that he had performed the task required of him in making a statement on the needs of this section for development of the Columbia river to be presented at a hearing before the army board of engineers at Lewiston on Tuesday last, Mr. Notson also pointed to this as linking in with the entire development picture.

Alden Blankenship reported on having secured a suitable trophy which the club had voted to award the winning team at the basketball tournament next week end.

Heppner FFA Boys Out-Point Condon

In the most spectacular display of boxing and wrestling seen at Heppner for a period of years, Heppner F. F. A. won a close decision from the Condon chapter at the local gym Friday evening.

Outstanding contest brought together Howard Patto nand Dick Montague, 155 pounders, in the main event. Because of an unfortunate foul in the first round, it was called a draw, but Patton easily won every round.

Clayton Wright and Matt Cooney, 145 pounders, showed little science in their match, and throughout the battle both men opened up with many deadly onslaughts. This was a draw.

Floyd Williams and Donald Smith, the two dreadnaughts, displayed more brawn than science in their bout, with Williams winning by a decision. Smith put up a good battle but was outclassed.

Coming from lower Willow creek was Kit Mawyer, husky mule skinner, to tangle with Slaughterhouse Bill Browning in a mixed bout. Five minutes of grappling and boxing brought the boys to a draw.

Lawrence Wehmeyer was out-classed by the Condon pugilist, Harry Stolnow, both being in the 130-pound class. This was one-sided, but was interesting because of the happy-go-lucky way the loser went after his opponent.

In the 145-pound class, a scientific fight was fought to a draw between Andy Shoun of Heppner and Jack Reiser of Condon.

Keith Williams of Condon, 130, and Earl Crisman of Heppner, 130, fought a scientific draw, both boys trying hard to win.

Rufus Hill and Donald Edwards, 125 pounders, fought to a draw. Though Hill beat Edwards at Condon, he was unable to out-point him in the Heppner ring.

A wrestling battle royal was staged between three Heppner boys and three Condon boys. This was brief and ended with Dean Gilman of Heppner as the champ grappler.

Between bouts, the local CCC boys put on two good boxing and one wrestling exhibition. These boxers, and grunt and groan artists furnished much entertainment.

Referee was Geo. Gillis of Lexington.

COLLECT SCHOLARSHIPS.

Corvallis.—Children of the T. H. Fraser family of Moro have been so outstanding in their 4-H club work that they have held a monopoly for four years on the annual Union Pacific scholarships awarded to the best club member in each county served by the railroad. For the last four years the four Frasers have won the award and now all four are attending Oregon State college, one in each class. The three boys are Tom, Jr., Paul and Gordon, senior, junior and sophomore in agriculture, and Dorothy, a freshman in home economics.

PEACE CONTEST WON.

Corvallis.—For the sixth consecutive year the representatives from Oregon State college won the state intercollegiate peace oratorical contest held to select Oregon's entrant in national competition. The winner this year was John McCormick, a junior in agriculture from Portland, who last year won first place in a Pacific coast speaking contest. The winning oration dealt with the need of changes in the foundations of society as a forerunner of world peace. First prize was \$50 cash from the Intercollegiate Peace association.

Water Resources Projects Slated For Big PWA Sum

State Planners Give Recommendations On Priority Basis.

When actual distribution of funds to carry out President Roosevelt's \$5,000,000,000 public works program gets under way, Oregon is expected to receive several million dollars for development of its water resources, and the section of the state in which Heppner is located contains a number of proposed projects, reports now on file at the Oregon state planning board office show. Planning board staff members and experts on committees completed in time for inclusion in the president's program a thorough survey of all projects in all drainage basins of the state.

Under the direction of V. B. Stenberg, planning consultant and executive secretary of the board, and C. A. Mockmore, Corvallis, the board staff has been quietly working for several months, gathering all available data, carefully weighing the worth of each project, and setting up, not only an immediate program,

but an outline of future development for many years to come.

More than 120 projects for the state are listed in the findings, and should only those deemed of immediate importance be completed, the state will be able to take care of thousands of new settlers who are expected to come here from other sections of the country, the reports show.

Oregon, for purposes of the national water resources study, has been divided roughly into seven regions, some of which also include parts of Washington, California, Idaho and Nevada. These are designated as Willamette-Columbia west of the Cascades, Middle Columbia, Oregon Pacific, North Pacific-Klamath, North Minor Great basin, Snake river, and Sacramento river. Heppner is located in the Middle Columbia basin.

In the Middle Columbia basin the priority is given to the construction of the combined navigation and power dam, work on which is already in progress, estimated in the report to cost \$2,650,000. Second choice goes to the extensive and highly regarded stock water development in the eastern part of the basin, estimated at \$179,800. Construction of a seven foot navigation channel from Celilo to Umatilla is listed third, with a cost estimated at \$250,000. Flood channel improvements in the Umatilla at Pendleton, to cost \$200,000 are put in fourth place, fifth and sixth priorities are construction of flood control works and channel

improvements north of Walla Walla, estimated to cost together more than \$2,237,000. Projects calling for construction of stock water and irrigation storage dams near Mitchell, Bend and Sisters call for more than \$72,000. Projects listed in this basin total 26, and in addition, some 20 other projects described as "deferred" are included.

Each basin report gives a wealth of data on the region it covers, including population, need for the projects, and definite data should projects be included immediately.

Many of the projects have already been suggested in previous planning board reports, and others will be further described in reports now under way, planning board officials state.

STUDENTS GET NYA JOBS.

Corvallis.—Work projects totaling 37,998 hours were furnished 363 students at Oregon State college thru the National Youth administration during the fall term, a report just issued by E. B. Lemon, registrar, shows. Scores of different kinds of tasks were assigned the students, ranging from technical research and helping instructors to outdoor manual labor on the campus. Work was given 239 men and 124 women in amounts averaging \$12.99 a month. Students on the NYA rolls maintained a grade average of 2.74 for the term compared with a general student body average of 2.35.

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