

OSC Completes Tests on Cyclotron

Oregon State College—A major step in the construction of the 37-inch cyclotron at Oregon State college has been marked with the completion and testing of the magnet and its accessories, according to Dr. E. A. Yunker, the chairman of OSC physics department.

The new 70-ton scientific instrument is being built in order to accelerate atomic particles, such as protons and deuterons, to high speeds for research in nuclear physics and to provide practical training in cyclotron operation for nuclear physics students.

It will also produce radioisotopes for research in other sciences such as chemistry, medicine and biology.

Fifty tons of steel were used in the core of the magnet. More than 5 1/2 tons of copper strap were required in winding the magnet coils, which operate on a current of 250 amperes.

A magnet regulator to hold the magnetic field strength constant to one hundredth of one percent has been constructed and an air-cooling system built to remove the heat developed by the 22 kilowatts of electrical power expended in the magnet coils.

Thirty-inch thick concrete walls surround the Cyclotron for shielding against radiation. It is housed



WILSON'S MEN'S WEAR salesman Del Jordan is showing J. Palmer Sorlien one of the popular Arrow shirts that is always one of the top gifts an man can receive. That tie he is holding is an Arrow too—the kind that ties and ties without a wrinkle. The entire store is stacked with Christmas gifts that are guaranteed to please every man—brand names he knows and likes.

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in a 40 by 60 foot Butler-type aluminum building located a short distance from the new coliseum.

Approximately half of the cost of building the cyclotron has been contributed by the atomic energy commission. Many contributions of materials and services have also been received from private firms throughout the state. Extensive use has been made of war material obtained from the state surplus property agency in Salem.

Design and administration of the cyclotron project is directed by a committee from the physics department consisting of Dr. J. J. Brady, Dr. R. R. Dempster, Dr. Davin Nicodemus, Charles Filz and Dr. Yunker, chairman.

Mrs. Ida Grimes left Wednesday for a visit in Seattle.

Mr. and Mrs. Frank Turner were in Portland over the weekend.

Charles A. Tom of Rufus, was in Heppner on Monday.

Mrs. Eugene Hall and son, David, are visiting this week with Mr. and Mrs. Clerf at Kittitas, Washington.

Gus E. Nickander left Friday for Vancouver, B. C. to spend a few days with Mrs. Nickander and their sons who are residing there this winter.

Mrs. Minnie Card returned to her home in Portland Thursday after spending several days in Heppner on Business. Mrs. Card rode as far as The Dalles with James Hager.

Mr. and Mrs. Fred Harrison and Mr. and Mrs. Fred Harrison Jr. have returned from a weekend trip to Portland where they attended the wedding of their daughter.

Word has been received in Heppner of the death of Willis Roller in Palo Alto, Calif. Mr. Roller's car was struck by a train according to reports reaching Heppner. He is survived by his wife, June Anderson Roller, formerly of Heppner. Mr. Roller was an undertaker.

Mr. and Mrs. Henry Rauch, Jr. and small daughter, Natalie Kay, spent Friday in Condon. Mr. Rauch is employed near there on the REA and Mrs. Rauch spent the day with her mother, Mrs. Ted Pierson.

NEED Letterheads, Phone 882

CHURCHES

THE METHODIST CHURCH
J. Palmer Sorlien, Minister
Sunday Nov. 30.

Morning Worship and Sermon at 11 a. m. Special Music by the Choir. Mr. Oliver Creswick, Director.

Sunday Church School at 9:45 a. m. Adult Bible class and Youth Fellowship Class at this same hour. Mr. Creswick, Superintendent.

Choir Practice Thursday Dec. 4 at 8 p. m.

Womans Society of Christian Service will meet at the parsonage Wednesday, Dec. 3 at 8 p. m. Suzanna Wesley Circle meets the third Wednesday of each month at 2:30 p. m.

ALL SAINTS MEMORIAL CHURCH (Episcopal)

Thursday, Nov. 27—Thanksgiving Day.

Holy Communion at 10 a. m. Sunday Nov. 30

1st Sunday in Advent and Saint Andrew's Day.

Corporate Communion of the men and boys of the Church.

Holy Communion 8 a. m. Church School 9:45 a. m.

Holy Communion and Sermon 11 a. m.

Y. P. F. at 7 p. m.

Next week: Holy Communion on Wednesday at 10 a. m.

Choir Practices:

Boys on Tuesday 4 to 5.

Girls on Wednesday 4 to 5.

Adults on Thursday evening at 8 p. m.

Ted Pierson was over from Condon Friday looking after business matters in Heppner. The Piersons have only recently moved to Condon where he operates a service station.

Mr. and Mrs. Charles Jones have returned from Portland where Mr. Jones has been convalescing following major surgery at a Portland hospital.

Mr. and Mrs. Archie Padberg Jr. of Milwaukie, Oregon are here to spend Thanksgiving with her parents, Mr. and Mrs. E. R. Settles and family.

Mr. and Mrs. D. H. Jones, Jr., are home from Seattle where they were called by the critical illness of her father and grandmother.

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NOTICE

TO ALL MEMBERS AND PATRONS OF THE

Morrow County Grain Growers

THERE WILL BE A FINAL SESSION

OF THE ANNUAL MEETING AT 1:30 P. M.

Monday, Dec. 1

AT THE AMERICAN LEGION HALL IN

HEPPNER. YOU ARE URGED TO ATTEND