GRAND RALLY CENTRAL OREGON

- SUB-DISTRICT =

EPWORTH LEAGUE

SUNDAY, APRIL 21st, 1912

M. E. CHURCH

SOON EXHAUST PPLY OF NITROGEN

esity of Oregon, Eugene, bril 13-In the last meet the Chemistry Club at the nity of Oregon, the insubject of methods of ng nitrogen in the ground ways than that of crop was discussed by the The main talk of the was given by Professor head of the Chemistry ent of the University address Professor spoke of the procurement of from the air. In part was as follows:

mercial manures are obs by-products in the house industries and the lation industries. The available are totally ineas a supply for the inneeds of farmers. Other exist in deposits of guano am nitrate. The guano are practically exhausted

its supply crop rota- energy are now in use and under SEE its supply of food, or development for the production he new supply of nitro- of nitrogen compounds from the alerial which plants air, so that it may be seen that

this industry has with a single thing about bound come into the position of Tacre of the surface of world." be put into chemical 8,000 volts, was driven across oxides.

OF THE DALLES, OREGON



Progressive Republican Candidate

combination, and it is precisely

this which the bacteria upon the roots of the clover plant can do. By the use of powerful electrics arcs it has been found possible to cause the nitrogen of the resent time, while the in the air, called oxygen, and air to combine with another gas of sodium nitrate is conthis combination can readily be a single locality in the adapted to use as a direct ferrainless area in Chili. tilizer. The process has been deof supply is now veloped to the point where it can Veloped to the point where it can be carried out on the commercial lear, and it is estimated scale, producing artificial combe exhausted in the petition with the natural product from Chili. Upwards of four event the world will million horse-power of electrical

there is 34,000 tons The discussion at the Chemis-The discussion at the Chamber of the discussion at the discussion



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