

Professors Aid In Interpretation Of Oregon Rocks

Past Year Sees Strides in Geologic Discoveries In State

The year 1926 resulted in several important geologic achievements concerning the state of Oregon. Much of the work was effected through the efforts of Dr. E. L. Packard and Dr. Edwin T. Hodge, both of the University department of geology.

Though none of them are of such a degree of importance that any great change in the structural, climatic, or living conditions will be in any way altered, the discoveries have meant a lot to the field of geology.

Dr. E. L. Packard, professor in the department of geology, has discovered large areas of paleozoics in north central Oregon, and also numerous occurrences of Cretaceous rocks. These discoveries have an important bearing upon the geologic history of the state.

Dr. J. P. Buwalda of the California Institute of Technology has almost completed his mapping of the Twickenham quadrangle of the John Day valley. The mapping of this quadrangle is important since it represents the most important geologic column in the state.

Dr. Edwin T. Hodge, professor in the department of geology, after nearly fifteen years of continuous investigation, gave before the Geological Society of America, at a meeting in Madison, Wis., Dec. 29, the first interpretation of the composition and structure of the Cascade mountains in central Oregon. This ties the structure of the Cascade mountains to that of the John Day and Willamette valleys. The unravelling of this complex series of rocks will have an important economic bearing on the state.

Petroleum existed at one time in Oregon and may exist now, according to an analysis made by Dr. Hodge of some material which proved to be a variety of asphalt. Details of his investigations will appear in a bulletin issued by the American Association of Petroleum Geologists.

Carr

(Continued from page one) day is more respected because he is better educated," continued Mr. Carr. "The day of the eccentric musician who knows nothing but music is past, thanks to the musical training now offered by our universities and colleges. The music student who receives a broad cultural training will be a much more successful musician because of his widened contact and deep sympathies. A number of our outstanding musicians are former business and professional men.

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America is no longer dependent upon Europe. Many of the best European teachers have flocked to America's financial haven, but they are finding their equals in the native born teachers.

"Americans seem to be better fitted temperamentally to the routine of teaching while the Europeans are better adapted to performing. It remains to be seen whether America will produce more performers in the future."

Late Night Sessions Point to Popularity Of Discussion Groups

That the informal discussion of subjects of general interest in the fraternities under the direction of members of the University faculty fulfills a real need of the student, is the general consensus of opinion of both professors and students.

Classroom restraint which keeps the men from asking questions, and fully clearing up doubtful questions is totally lacking around the fireplace in the evening, it is found, and an atmosphere of social ease that promotes earnest thought prevails.

"I felt that it was one of the best things that the Y. M. C. A. has done," said Warren D. Smith, head of the department of geology. "We sometimes talked until late in the evening, and the restraint which so hinders classroom discussion was totally lacking."

Not only is enthusiasm evidenced by the faculty, but the students themselves when questioned say that they enjoy the talks and derive benefit from them. The teachers have been enabled to meet and talk to men whom they otherwise would never have known.

"It ought to stimulate thinking on topics of interest to the students, and it surely is an enjoyable way in which to meet the men and present material which is likewise presented in the classroom," said Dr. E. L. Packard.

"The questions forthcoming are very intelligent and worthwhile in all cases, I find," said Del Oberling, assistant professor in physical education. "Personally, I enjoy the discussions very much, although I lose a lot of sleep."

"Students are becoming more and more interested in questions that have a social and national relationship," said Mr. H. W. Davis, director of Christian work, "and these groups fill a need in promoting that interest."

Short Course in Mining Offered at Walla Walla

STATE COLLEGE OF WASHINGTON, Walla Walla.—(By PIP)—A short course in mining is offered for the first time this year. It will be given the last week in April under the auspices of the school of mining, and is intended for mine operators, managers, metal-

Excitement of Crowd 'Keys Up' Team, Says Dr. Howard Taylor, Psychologist

Fear May Produce Same Results; Adrenal Glands Release Stores of Energy in Liver

The members of an athletic team may not hear individual yells given for them during the game but the cheering and the excitement of the crowds key up their emotions and often stir the players on to faster and more violent action, in the opinion of Howard R. Taylor, assistant professor of psychology.

"Excitement necessarily has an effect in keying up any organism," said Professor Taylor, "and this increases the possibilities of violent reaction. Cheering therefore has an effect on competing athletes in that it contributes a large part in stirring up excitement. Physiologically, keying up the emotions causes the adrenal glands to release stores of energy in the liver, and thus a new source of energy is provided.

"The problem of an athletic coach is to raise high emotions in his players," continued the speaker. "Fear may be used to do this, although it is not always good as preparatory to good playing."

Instilling fear in his players is essentially what is done by Gil Dobie, former coach at the University of Washington and now at Cornell, said Professor Taylor. Dobie makes gloomy predictions until he scares his players into playing beyond their normal gait.

This emotional keying up of the team could be accomplished to some extent by the cheering alone if it were not that teams which have played much get used to hearing yells. Cheering heightens the general emotional status of the crowd, however, and that tension in turn is usually communicated to the players.

"Producing violent reaction by arousing the emotions may impair judgment," Professor Taylor said. "Keying up the emotions is most

effective on actions that have become practically automatic as running or passing in basketball. It may even extend to thinking and it is possible that a debater is stirred by the excitement of the crowd. Occasionally a man goes to pieces under the strain but that is usually because he does not have his actions sufficiently automatic or under control.

"This knowledge of the effect of excitement on reaction goes back to an essay by William James, who was a noted psychologist and professor of philosophy at Harvard, on reservoirs of power. James said that under stress people may have reservoirs of power on which to draw. They are then able to do acts that they never could do without the stress of emotion.

"Heightening the activity for long periods depletes playing power and eventually athletes cannot play unless the reserve is built up. That is the reason why teams go stale during long playing seasons."

Spectators at a game are affected by excitement in much the same way as the players and the same physiological changes take place, said Professor Taylor. Their emotions are heightened by the cheering and by the contagious excitement of the crowd.

"Seeing a team, which they know, play is more interesting to the spectators because to a certain extent they identify themselves with that team and win or lose with them," Professor Taylor concluded. "The emotions of the spectators are aroused much more than if they were merely watching professional teams or teams in which they had no interest or connection. For that reason professional teams try to establish a particular clientele or following."

Theaters



HILIG: Last day: "A Regular Scout," featuring Fred Thomson and filled with all the sweep, action and thrills of the West. Silver King, famous movie horse also does some novel turns and feats. Seven troops of Boy Scouts worked in the production which depicts the life of the young American boys. Local members of the Boy Scouts plan a party Saturday evening.

Coming attractions — "Beau Geste," a road show production of the famous motion picture, will open next Monday for a two-day showing. This is a picture of the French foreign legion and is acclaimed one of the big productions of the season. "The Scarlet Letter" comes next week-end.

COLONIAL: Last times today: Charley Chaplin in "The Gold Rush." Also a comedy and news reel.

RIALTO theater, Junction City: Sunday: Marie Prevost in "Man Bait," with Kenneth Thomson and Douglas Fairbanks Jr.

BELL theater, Springfield: Sunday: Belle Bennett in "The Lily." Special matinee at 2:30 p. m.

McDONALD: Last day: "Sweet Rosie O'Grady," a delightful comedy-drama of mirth, music and pathos, combining the hearty laughter of "Cohens and Kellys" and the heart throbs of "Humoresque;" based on the immortal song that has thrilled millions, and with a great cast of favorites, headed by Shirley Mason, Cullen Landis, William Conklin and others; atmospheric prologue, "Roses" featuring Kathleen Powell, Eugene's favorite contralto, in conjunction with Sharkey Moore and the Merry-Macks, tonight at 7:20 and 9:45; another of those clever comedies of campus life, "The Collegians," with

George Lewis; Frank Alexander in marvelous musical setting; Kinetto Movie Review, "Favorite Friends." Coming—"Stella Dallas," the glorification of romantic womanhood, with Ronald Colman, Belle Bennett, Jean Hersholt, Lois Moran and Douglas Fairbanks, Jr. This is the picture that ran for nine solid weeks in Portland, where it had originally been booked for but one.

REX: Last day: Zane Grey's most fascinating novel, "Man of the Forest," with Jack Holt and Georgia Hale in a spirited romance of the great forests of the west, bristling with action and adventure, and unusual love drama; also, Arthur B. Reeves' new short story, "The Radio Detective;" International News events; John Clifton Emmel at the organ.

Coming—Jetta Goudal in "Her

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Here's an Interesting Program

Tomorrow morning, Feb. 20th, we will consider the fourth great objective—"The Enrichment and Enlargement of Human Life"—saving humanity from sensuality and selfish greed by creating a better standard of values, at 11 a. m.

- Feb. 27—God, Worship and Prayer.
- March 6—Evolution versus Revolution in Human Affairs.
- March 13—The Challenge of the Masses.
- March 20—The Bible.
- March 27—Democracy and Modern Religious Thought.
- April 3—Easter. What Reasonable Grounds Have We for the Hope of Immortality?

All people, consciously or unconsciously, realize that our world is in a critical condition. Enormous dangers threaten the destruction of our civilization. The sphinx demands that humanity answer the riddle correctly or be devoured. Here are four answers that will receive a fair-minded consideration at our Sunday forum addresses at 7:45.

- Feb. 20—The answer of Pius XI, Catholicism.
- Feb. 27—The answer of Dr. Norris, Fundamentalism.
- March 13—The answer of Stalin, Bolshevism.
- March 20—The answer of Mussolini, Fascism.
- March 27—Is There Another and Correct Answer? What Is It?

Please note that on the evenings of March 6th and April 3rd the Laymen's League will meet at 7:45 in our church. The April 3rd meeting will be addressed by Dr. Parsons, Topic—"Religion in Western Civilization." The April meeting will be led by Dean Allen and the topic—"Spenglerism in Western Civilization."

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- ½ Spring Chicken ala Maryland
- Baked Virginia Ham with Candied Sweet
- Tenderloin Steak with Mushroom Sauce
- Breaded Veal Outlets with Tomato Sauce
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- DESSERT: Choice of Ice Cream or Sherbet
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