

# Dr. Oliver Lee, Scientist, Tells of Work in Star Research

## Flies West to Visit Mother

### Director of Observatory At Dearborn Tells Of Red Stars

By LILLIE L. MADSEN  
Staff Correspondent  
SILVERTON, Nov. 2.—Faint red stars that are from 200 to 1000 times fainter than stars visible to the naked eye are the everyday companions of Dr. Oliver Lee, who speaks of his class work as professor of astronomy at Northwestern university at Chicago as "vacational" and his research work at the Dearborn observatory at Evanston, Ill., as the "real work." Dr. Lee is director of the observatory.

Dr. Lee flew here to visit his mother, Mrs. Christina Lee, 73, who is confined to the Silverton hospital with a broken left hip sustained in a fall at her home a short while ago. He will return by plane, leaving Portland Sunday noon. While here he is the guest of his brother and sister-in-law, Mr. and Mrs. Oscar Lee.

Dr. Lee and the group working under him are the only ones who are working in the red end of the spectrum. They are covering the entire northern sky. So far scientists have confined their research efforts to the violet and other shorter wave lengths. Dr. Lee explains this by saying that light is made up of an infinite number of very small vibrations or waves. These waves are of different lengths, the longest giving us the impression which we call red, the shortest the impression which we call violet.

Sees Red By Camera  
In order to come in "closer contact" with these red and orange radiations, Dr. Lee designed a prismatic camera and through this, he says, they actually get the spectra of the stars. And although the camera records these as black and white on the plates, the actual colors are definitely known.

In response to a question, Dr. Lee said that in the Dearborn survey, 50,000 shades of red can actually be distinguished from each other. Color is indicative of wave lengths and temperature of the stars.

"Red Hot" seemingly does not apply to stars. The red stars are the cooler stars, according to Dr. Lee. In the Dearborn survey which will take many years to complete, only the "cooler" stars are dealt with to any extent. Dr. Lee said that he had completed work on three publications which were sent to the publishers just before he left for the west. These were dealing with the faint red stars and included in them were 75 illustrations.

Purpose of Survey  
When asked what the purpose of the survey is, Dr. Lee explained that the study of stars gives an insight into matter which cannot be obtained any other way. "Each star," said the scientist, "is a laboratory in itself which furnishes material for research which one cannot duplicate on the world. At present we are searching out the different stars and cataloging them. We will study the families and groups of stars. We do this just as someone interested in trees would do. Were he interested in those of a certain section and decided to make a scientific study of them, he would go out on a research tour to discover how many kinds of trees he could find, the relations of these trees to each other and to other elements. We study the gasses, the complications and the formations of the stars in relation to matter. The sun is yet too young to study, too hot. As it grows older it grows cooler." Dr. Lee indicated one need not worry for sometime about any uncomfortable coolness of the sun.

"High" Broadcast  
Dr. Lee was invited by N. B. C. to address the nation from an airplane flying 15,000 to 17,000 feet above Chicago on the spectacular

## First '36 Ford V-8 Panel in Oregon



Above is shown the new delivery car of Oscar D. "Frosty" Olson, Salem florist, which he purchased from the Valley Motor company last week. The car is the new Ford V-8 white panel delivery and is the first 1936 of this model to be delivered in Oregon. Stanford C. Sparks, salesman for the Valley Motor company, completed the sale. The car will be used by the Olson Floral shop for local deliveries and also for service work for the Olson Greenhouses north of Salem on the Pacific highway.

eclipse of the moon last July. At that time many Silverton people who had met Dr. Lee, listened in. The scientist is particularly fond of airplanes as a mode of travel. His trip west took 2 1/2 hours. Of this seven hours were not spent in the air. Six of them were spent at Omaha where the plane was forced down by a heavy fog. Part of the time, the plane flew 14,000 feet above the mountains.

Friday night a dinner was given in honor of Dr. Lee at Toney's at which a group of Silverton men joined in a round table discussion led by the visitor. Among those invited to sit in at the dinner were Dr. Lee, Oscar Lee, Dr. C. W. Keene, Dr. R. E. Kleinsorge, Jake Werle, H. W. Preston, H. R. Irish, Clifford Rue, Robert Goetz, Herman Kramer, A. R. Eastman, L. C. Eastman, Lowell Hoblitt,

## Rainbow Honors Louise Moeding

WOODBURN, Nov. 2.—Miss Louise Moeding, bride-elect of Emmet Hunt of Grants Pass, was honored with a pre-nuptial shower by members of Evergreen assembly. Order of the Rainbow for Girls, of which Miss Moeding is past worthy adviser.

The affair was held Wednesday night at the Masonic parlors which were attractively decorated in keeping with Halloween. The gifts were presented to the bride-elect in a huge pumpkin. Games were enjoyed and a prize given in a candy hunt went to Miss Marie Strike. Refreshments were served by Annette Lytle, Jean Beers and Vivian Cowan. May Strike and Dorothy Austin were in charge of the entertainment. Present were Marjorie Faulconer, Mary Jane Shaw, Bonnie Lou Pfaffinger, Vivian Cowan, Patty Smith, Annette Lytle, Marie Strike, Rosemary Corey, Jean Beers, Vera Jean Huber, Jean Simmons, Lou Jane Rinko, Marjorie Wright, Betty Ackerson, May Strike, Betty Davis, Dorothy Austin, Mrs. F. W. Settlemier, Mrs. Wayne B. Gill, Mrs. L. S. Mohel, Miss Elfa Lytle, Mr. and Mrs. A. B. Eastman, Helen Moeding and Louise Moeding.

## Woman's Club to Meet Wednesday but Hostess Changed Due to Illness

HUBBARD, Nov. 2.—The Hubbard Woman's club which was scheduled to meet Wednesday, November 6, at the home of Mrs. L. M. Scholl will meet instead with Mrs. Frank Grimps owing to Mrs. Scholl's illness. The program for the afternoon will otherwise be unchanged. The Hubbard Ladies' contract bridge club met with Mrs. M. P. Garren, Thursday afternoon. High score was won by Francis Weaver. Other guests were Mrs. Hugh Wells, Mrs. C. E. Bradford, Mrs. Charles Moore, Mrs. Edmund Chausse, Mrs. Charles Fiddes and Miss Lenore Scholl.

## Hallow'e'en Party Staged by School

### Banty-Hen Hatches Eight Young Ones During 3-Inch Snow

WALDO HILLS, Nov. 2.—Claude Millard and Miss Esther Rue, who have been guests at the K. O. Rue home here for the past three weeks have departed, he to his home in Chamberlain, S. D., and Miss Rue to Salem where she is on the staff of the Deaconess hospital. Miss Rue assisted while here in caring for her brother Philip, 19, who has been confined to his bed since the middle of August with a heart ailment which seems to puzzle doctors. Recently he has suffered with nose bleed, at one time losing nearly a quart of blood.

Dewey McBride, accompanied by his mother who has visited here since July, is on his way to Fort Dodge, Iowa. He expects to be gone about three weeks and will visit a sister while there.

Kasers Moving Soon  
Mr. and Mrs. Orval Kaser are preparing to move to the house recently vacated by the William Rice family. The Kasers own a 40-acre tract just east of this place but have no house on it. Until now they have lived on his father's place in the Evergreen district.

A Hallow'e'en party was enjoyed at the Harold Roop home Thursday night by 15 pupils of the upper room of Evergreen school. The house was decorated in keeping with the season and Mrs. Roop and Mrs. Fred Towns served wafers and buns, cookies and cider.

With snow three inches deep here Mrs. Otto Deckman reports a banty hen at her house hatched eight chicks November 1.

## Veterans' Vaudeville Set for November 9 At Silverton Armory

SILVERTON, Nov. 2.—The next Veterans of Foreign Wars vaudeville show will be held November 9 at the armory.

The veterans will install their officers Wednesday. Byron Cotley, past state commander, will be installing officer. To take oath of office are O. B. Howell, commander; Elmer Johnson, senior vice-commander; M. S. Chandler, junior vice commander; E. A. Finley, chaplain; Lester Staggard, officer of the day; Ansel Solie, judge advocate; Scott McPike, quartermaster.

The auxiliary has postponed its installation because of the serious illness of Mrs. Elmer Johnson, president-elect.

## Goatery is New In Roberts Area

### Pickering Runs Route For Town Patrons of Goat Milk

ROBERTS, Nov. 2.—Mr. and Mrs. C. A. Pickering are developing an unusual industry for this section in their goatery, from which they deliver goats' milk daily to all parts of Salem. They have a herd of 14 French Alpine goats, and at the present time are milking six. A thoroughbred sire for the herd was purchased at cost of \$200.

Pickering makes his own formula for the balanced ration fed the goats. This formula includes oats, corn, bran, linseed oil, beans, soya bean oil, dicapho oil and iodized salt, and this and alfalfa hay of high grade constitute feed for the herd.

The goats are milked in a separate room from where they are fed and the milk is taken to market in paper bottles so every possible precaution for cleanliness is maintained.

The goats give as high as 10 gallons of milk when fresh, and otherwise, about 12 quarts daily. Because the milk is naturally free from infectious germs, it is unnecessary to pasteurize or boil the milk.

## 200 Eat Lutefisk

SILVERTON, Nov. 2.—Over 200 diners attended the annual Lutefisk dinner given at Immanuel church Friday night with the Immanuel Guild as hostess. Cotoneaster decorated the tables. Visitors were present at the dinner from Salem, and many surrounding communities.

## Alexanders of Stayton to Observe 50th Wedding Thursday; Daughters Are Arranging Informal Reception

STAYTON, Nov. 2.—Thursday next, November 7, Mr. and Mrs. E. D. Alexander will have been married 50 years. In honor of the occasion their daughters, Mrs. G. F. Korinek, Mrs. Glen Fox and Mrs. O. L. Hagen are giving an informal reception at the club house. All friends are invited to call between the hours of 3 and 5 in the afternoon or 8 and 10 o'clock in the evening.

Edward Dixon Alexander and Elizabeth Keenan were married at Strawberry Point, Iowa, where he owned and operated a newspaper. Later they moved to Fayette, Iowa, Mr. Alexander's birthplace and started a second paper. They moved to Stayton in October, 1901, and Alexander owned and published the Stayton Mail here until last year when Ralph Curtis took over its publication.

All his life he has been connected with the printing business, starting out when a small boy to ink an old George Washington hand press, for 25 cents per week, later working in other offices in northeastern Iowa until in time he had one of his own. Alexander was appointed postmaster under President Wilson and served for nearly six years.

## Snow Takes California Visitor Here by Surprise

KEIZER, Nov. 2.—Mr. and Mrs. Charles Westers have as their house guest their daughter, Mrs. J. W. McClure of Los Angeles. Mrs. McClure motored from San Francisco leaving Tuesday and arriving here Wednesday afternoon. She said she encountered snow in northern California but was much surprised at the wintry weather here.

McClure is a salesman for the Imperial Brass Manufacturing company in southern California.

## Unusual Weather Stops Fall Work

### Fruitland School Census Show Increase of 19 Children

FRUITLAND, Nov. 2.—The unusual snow has put a stop to fall plowing and seeding for the time being. Should there be a hard freeze, it will do considerable injury to fruit trees as the sap is still up in them.

John Brache of Canada is visiting his aunt, Mrs. Leon Brown. School Census Up  
The school census for district 113 has been taken lately. There are 19 more on the list than there were last year.

Fogg Gets Deer  
Orsa Fogg recently went for a deer hunt in eastern Oregon near the John Day. He brought home a fine deer.

# Golden Wedding

Health is the birthright of youth, but how beautiful it is when retained to extreme old age. It is a rare sight to see a contented, radiant old couple who have gone hand in hand together down the years. That mellow old age may enjoy good health, we must follow the advice of our physicians while still in the prime of youth.

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