

YALE MEASURING OLD EARTH'S AGE

Experiments to Compute Mineral Life Are Put Under Way.

New Haven, Conn.—Experiments to determine the age of the earth are now being conducted at the Sloane Physics laboratory at Yale, a statement given out revealing the various attacks on physical problems now being undertaken.

Prof. Alois F. Kovarik, at the suggestion of a committee of the National Research council engaged in the discussion of methods for determining the age of the earth and of the materials which compose its crust, has undertaken the chemical and radioactive analysis of certain minerals containing large quantities of uranium and thorium. This experimental material will serve to check Prof. Kovarik's new formula for computing the age of mineral from its content of radioactive elements and from the amount and atomic weight of its lead. Part of this lead in all cases has a radioactive origin.

Extensive Experiments.

An extensive series of experiments on the mobility of gaseous ions under carefully controlled conditions is being completed by Prof. John Zeleny. The interest in this work in the scientific world is great because of the widely divergent opinions held by different investigators as to the nature and history of the carriers of electricity in gases at approximately atmospheric pressure. Prof. Zeleny's papers on straws in the electrical discharge at low pressures will appear shortly.

Prof. Louis W. McKeehan, director of the laboratory, is preparing for publication experimental material collected during the past few years in regard to the changes of electrical resistance which may be produced in metal wires by magnetic fields parallel to their length, by tension, or by combination of these two agencies. The results indicate in some degree how the atoms in metals change in mutual aspect under externally applied forces. He is also continuing studies in the elastic behavior of metals and alloys and its explanation on the basis of atomic properties.

Precise Measurements.

Prof. Charlton D. Cooksey and his brother, Donald Cooksey, who is an Honorary Fellow in Physics, have just completed a very precise measurement of the wavelengths of the principal characteristic X-radiation of silver. They are preparing a report upon the method of measurement which is considered unique, and upon the treatment of experimental data, the collection of which has required several years of intensive work.

Prof. William W. Watson, who is now in residence after a year's work in Göttingen, is, with the assistance of William Bender, an instructor in the physics laboratory, attacking several problems in the Zeeman effect, i. e., the separation of spectral lines into components of different frequency when the source emitting the light is subject to the action of an intense magnetic field. The magnet they are using for this work is the large magnet recently purchased with part of the Sloane fund.

Human Sacrifices in Africa Are Charged

Johannesburg.—Secret human sacrifices to the evening star still take place deep in the forests and mountains of northern Rhodesia and Portuguese East Africa, according to Dr. Leo Frobenius, the eminent German archeologist, who has been engaged for some years in probing the mystery of Zimbabwe ruins and the ancient culture of southern Africa.

"It is a thing which no native commissioner will ever admit," said the doctor, "but my investigations have proved definitely that human sacrifices are carried out to this very day in the secret places. We are still investigating and hope soon to learn the secrets of the sacrificial ceremony."

Slain Crocodile Had Weakness for Women

London.—The British sportsman, K. Lee Guinness, has returned from a hunting trip on the Gambia river in British West Africa with the skin of a crocodile which had a "weakness for women." The following objects were found in the animal's stomach:

Eight long strings of beads, such as native women wear; a necklace of smaller beads; an ornamental bead such as native women wore more than 100 years ago; two silver earrings; the bottom of a Jan Jar, and the neck of a bottle.

Rat Bites Fireman as He Fights Blaze

Boston.—Fire Captain Arthur E. Swift was taken to City hospital recently after being bitten by a rat that ran up his trousers leg during a fire in a Boylston street lunchroom.

The fireman killed the rat, but only after it had inflicted a painful wound.

CONQUISTADORES TOUCHED FIRST AT WOMEN'S ISLAND

There They Set Up First Cross in New World on Ruins of Maya Temple.

Mexico City.—The first place touched by the Spanish "conquistadores" on their way to the American mainland to explore the New world, was an island in the Caribbean off Quintana Roo, the inaccessible jungle territory of tropical Mexico.

This island, called "Isla Mujeres," or "Women's Island," today is a sunny strip of coconut palms along a beach of silver sand. It is a perfect setting for a treasure island, with its many natural caves.

When the Spanish conquerors landed at Isla Mujeres they found the remains of a Maya temple where female idols were worshipped. Here they set up the first cross in the New world, upon the remains of the temple. These ruins have been washed away for years.

On Isla Mujeres there is an ambitious little school, attended by about eighty of the island's 350 inhabitants. The school has three teachers. Like most Mexican rural schools, this one has a garden. In the garden pluk, white, yellow and blue sea shells are used by the children to mark off the patches of lettuce and beans. The school also maintains an outdoor theater, where children recite poems, execute their native dances and sing.

The inhabitants of Isla Mujeres are cordial and hospitable to visitors. Among the island dwellers is an old man, who is always pleased to welcome strangers, and invariably finds an opportunity to tell them proudly about his 43 children who live in Payo Obispo, across the water on the mainland.

Once a month a ship touches the island, coming from Progreso, in Yucatan. Recently this ship left a radio sending and receiving set in the island, but so far not much has been accomplished in the way of establishing communication with the outside world. There is no post office on the island, and no telegraph service.

Taxless Town May Lose Incorporation Status

San Joaquin, Calif.—This municipality, the San Joaquin valley's only taxless city, finds that being free of taxation is not what it's cracked up to be and may return to the status of an unincorporated town.

Sentiment to that end has been in the process of crystallization for some time and now a definite move is under way sponsored by the chamber of commerce.

It is declared that dissolution of the municipal corporation will bring added benefits to the citizens through the county board of supervisors, while a city that levies no taxes can do nothing for its population.

By increasing the county tax levy fractionally, police and fire protection and street improvements could be made by the supervisors, whereas such advantages, when provided by the city, would necessitate a substantial levy of taxes, proponents of the dissolution assert.

SCHOOL NEWS

The Hermiston grade school boys' and girls' baseball teams played Umatilla last Friday, the girls winning and the boys losing.

The basket social sponsored by the baseball boys was held last Friday, May 9, in the auditorium with quite a number of people present. Dancing and card playing was enjoyed the first of the evening after which the baskets were auctioned off and sold to the highest bidder. About \$8.00 was cleared.

Miss Inma Thoeny, who is a

graduate of Oregon Normal school and graduates from Oregon State college in June, has been elected to teach the fourth grade in the local schools the coming year. She has had four years of teaching experience, her last year being taught in Silverton, Oregon.

A school board meeting for district number 9 was held at the office of Superintendent Shaw Monday evening where the regular routine of business was transacted. Tuesday evening in the same office the school board for district number 14 met for a business meeting.

HERMISTON TO HAVE THEATRE WITH VITAPHONE

In a deal completed the first of this week Vernon Seitz of La Grande owner of Columbia Theatre in Her-

starting the 15th of May to L. A. Moore of Burns, Oregon who will lease the building for 5 years. take the theatre over within the next few weeks. At this time the interior and exterior of the building will be remodeled and redecorated and all modern equipment will be installed including a vitaphone machine. Mr. Moore stated that he does not like to state definitely when work will be started on the theatre but he did state that it would be in the very near future and that when things did get going they would do them in a hurry and that the best pictures available would be shown.

Mustn't Keep Shifting

It's all right for a young man to start at the bottom of the ladder if he doesn't keep moving around from one ladder to another.—Los Angeles Times.

MINNEHAHA NEWS NOTES

(By Grace Rodda)

Mr. and Mrs. W. A. Hine line motored to Milton Sunday to visit Mrs. Hine line's parents, Mr. and Mrs. B. F. Williams. They were accompan-

ied by Mr. and Mrs. E. L. Jackson and children Jane and Jimmy. J. M. Thom Jr. was fishing at Celilo Sunday.

Miss Barbara Root spent the week end visiting with friends in Boardman.

Mrs. Gladys Corstock, Pete Sheridan and daughter Mary Jane, visited in Echo Sunday with relatives.

Mrs. M. T. Matott was in Pendleton Monday.

Miss Georgia Thom is spending the week at Wallawa.

Mrs. M. E. Root and son Marvin returned home Sunday after a short visit with relatives in Boardman.

GET RESULTS HERALD WANT ADS

The Hermiston Herald

Circulates throughout the irrigated sections of West Umatilla and Northern Morrow counties, and always have the interests of this district at heart.

Our shop is fully equipped to handle all your job printing needs.

Subscribe now -- \$2.00 per year--your investment will be more than repaid thru "shopping" the advertisements in The Herald.

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EFFECTIVE MAY 23 TO SEPT. 30 RETURN LIMIT OCT. 31, 1930

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Information and Booklets on request

ROUND TRIP TO
DENVER.....\$7.50
OMAHA.....79.50
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CHICAGO.....85.00
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Thank You	SUGAR Pure C. & H. Cane. 25 Lbs. \$1.59
We want to thank the many people that made our opening day in Hermiston such a big success, for their patronage.	MILK Darigold Tall Cans 3 for..... 25c
We hope that you were well pleased with your MacMarr store, and we want to assure you that it was a pleasure to serve you people of this community from our newest store.	JELLY Poppy Brand Red Jelly 5 Lb. Pail..... 75c
	JELL-O All Flavors 3 for..... 23c
	CORN MEAL Sperry's Yellow or White. 10 Lbs. 39c
	MATCHES Best Quality 6 Boxes..... 15c
	CATSUP Del Monte. A 30c value. Large Size..... 23c
MAC MARR COFFEE	A Regular Canned Coffee Quality— Fresh every week. Pound 37c
Mother's Oats	Aluminum or China Large Size 37c
BACON	Swift's lean, light Bacon, a regular 39c value. Per Lb. 33c
HAMS	Armour's light weight mild cure. Pound 29c

Fruits and Vegetables

BANANAS

LARGE, FANCY FRUIT—DOZEN **23c**

CARROTS	RADISHES	Green Onions
Large Fancy, nice bunches.	Fancy, Fresh Bunches.	Fancy, Sweet Variety.
3 for 19c	4 for 10c	4 Bunches for 10c

SPERRY FEEDS

Our sale on Sperry's Feeds for the past week was far above our largest anticipation. This proves the fact that it Pays to Feed the Best.

Mill Run	Sperry's Best Quality 80 Pound Sacks.....	\$1.15
SURE MILK	For your milk cows—a Better Feed. 100 Pound Sacks.....	\$2.19
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