

JOURNAL PRINTS PAPER BY TORREY

Article Discusses Action of
Thyroxin on Paramecium
EXPERIMENT IS UNUSUAL

Gland Products Produce
Diverse Effects

In the March number of the Journal of General Physiology is a paper from the laboratory of Experimental Biology of the University of Oregon medical school in Portland by Harry Beal Torrey, Matthew C. Riddle and Jessie L. Brodie, entitled "Thyroxin as a depressant of the division rate of Paramecium."

Thyroxin is a crystalline substance that was obtained a few years ago by E. C. Kendall of the Mayo Foundation from the thyroid gland and is held by Kendall to be the essential principle of that gland. This view is supported by the fact that when taken into the body in appropriate doses thyroxin produces the same clinical effects that total thyroid produces.

Animals Affected Differently
From some observations of the function of the thyroid, however, it appeared that the thyroid gland when fed to animals produces contrary effects not easily understood. It seemed possible that these contrary effects might be produced by different substances in the gland, thyroxin being one of them. With this in view experiments were begun four years ago, the progress of which have been reported year by year to scientific societies, which were reported in full for the first time in the Journal of General Physiology.

When thyroxin is introduced into the body of an animal, its effect on the tissues cannot be directly obtained. When one-celled microorganisms are used, however, the effects of thyroxin can be obtained directly upon the single living cell. The common organism Paramecium was selected for the purpose and it was found, contrary to expectation, that while total thyroid very distinctly accelerated the growth and reproduction of Paramecium, thyroxin distinctly depressed them. The acceleration is now readily explained by the fact that the bacteria which serve as food for Paramecium grow very abundantly in a thyroid medium, and that anything which will increase the food supply of Paramecium in this connection will accelerate its reproductive processes. It was necessary to determine whether the depressant effect of thyroxin on the Paramecium was due to a depressant effect upon the growth of food bacteria. This question has now been answered in the negative. Thyroxin acts directly on Paramecium. It is now known from this and other research that there are several substances obtainable from the thyroid gland that have diverse effects upon living cells, so that it is not entirely clear that thyroxin is, after all, more than one of the products of the thyroid gland that effect the growth activities of the body tissues.

Thyroxin Kept on Slides
In conducting this investigation on thyroxin Paramecia were kept in small drops of culture medium on small glass microscope slides at a constant temperature and at a constant degree of acidity. Changes

in temperature and in acidity both effect the growth of Paramecium. The acidity was checked by a method developed at Johns Hopkins since this investigation was begun, which made possible the determination of the acidity of very small drops. By checking the acidity, the culture medium was not only made more tolerant to Paramecium, but more nutritious as well.

Prom at Armory Tonight
Final Event of Week-end;
Courtly Period Featured

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of Louis XI.
Sabers Support Drapes
The drapes of the pavilion and booths will fall in soft folds, and will be held up by sabres, copied after those used in tournaments. The costumes for the orchestra were designed by Jane BoDine.

The fleur-de-lis, the royal emblem of France, is the motif carried out in the drapes over the stage. The drapes will be held up by lances, similar to those used by French knights. Pages will stand at each side of the Gothic arches of the recess.

The walls of the Armory will be completely covered with slender folds of material resembling toile pinte, tapestry cloth which was used in all chateaus of that time. The design was made by Constance Cleaver.

Crests Form Motif
Huge crests, exact representations of the crest of the Duke of Burgundy, will form the central motif of the hangings. The crest contains a lion rampant on a field of orange. Quatre feuilles, carrying out the same color scheme, will be used around the base of the walls, the pavilion and stage. Orange flood lights will be used to heighten the color of the orange hangings, and blue-green lights will likewise be used to bring out the color of the bluish hangings. The ceiling will represent a stone ceiling, and it will be so arranged as to give the effect of height and spaciousness. In addition to the flood lights used for the canoe fete, two additional ones will be used.

The cover design of the programs, drawn by Arthur Gale, chairman of the prom, contains a picture of a knight at arms holding a lance from which a pennant, bearing the inscription "Junior Prom," is fluttering. The knight is standing at the entrance to the main hall of a feudal chateau.

The patrons and patronesses for the Prom are as follows: President and Mrs. P. L. Campbell, Governor Pierce, Mr. and Mrs. George T. Gerlinger, Mr. and Mrs. Henry D. Sheldon, Mr. and Mrs. John Straub, Mrs. Murray Warner, Mrs. W. F. Jewett, Mr. and Mrs. Colin V. Dymment, Dr. Richard B. Dillehunt, Mr. and Mrs. Frederic Dunn, Dr. and Mrs. Fred Zeigler, Mr. and Mrs. Carlton E. Spencer, Mr. and Mrs. Carl Washburne, Mr. and Mrs. K. W. Onthank, Mr. and Mrs. W. F. Manthey, Mrs. Virginia J. Esterly, Mr. and Mrs. Campbell Church, Mr. and Mrs. A. H. Schreff, Mr. and Mrs. M. K. Cameron, Bishop and Mrs. W. T. Sumner, Mr. George Turnbull, Miss Gertrude Talbot, Mr. and Mrs. Dean Walker, Mr. and Mrs. Peter Crockatt, Mr. and Mrs. Jack Benefiel.

**LOST ARTICLES WAIT
AT UNIVERSITY DEPOT**

All students who have lost anything during the entire school year are urged to inquire for it at the lost and found department of the University depot before the end of this term.

Even if you have inquired before, go again. Articles often come in just after they have been called for, and then stay in the depot

for weeks, as the owner things, "Well, I asked once and it wasn't there."

The usual number of umbrellas, gold pencils, pens, coats and caps are still at the depot, and there are only three weeks left this year for the owners to claim them.

If you don't want your lost articles held over until next fall for the auction sale, be sure to pay the University depot a visit before June 15, and ask about them.

PROMINENT EDUCATOR TO SPEAK HERE IN JUNE

David Snedden, Sociologist
And Author, Plans Visit

David Snedden, at present professor in educational sociology at the teachers' college at Columbia university, will be the most outstanding and important visitor to the campus this summer. He is scheduled to speak here June 29 and 30.

Mr. Snedden has had experience in educational and sociological lines and is considered one of the leading educators in the country. He is the author of a great number of books, some of which have been written in collaboration with other professors.

Among his books are "Administration of Education for Juvenile Delinquents," and "School Reports and School Efficiency," written by Snedden and Allen.

Mr. Snedden has held important positions on the faculty of Columbia and Stanford universities, and besides this has been interested and engaged in work in secondary schools over the country.

He is a man of outspoken convictions, a vigorous and dynamic sort of worker. Perhaps for this reason he is considered and sought as a great speaker. He has been engaged as instructor in educational sociology at University of Washington this summer.

The topics of his talks have not as yet been decided upon, but it is expected that they will be of general interest. He has announced that he will speak as often as desired and it is possible that he may speak other times than at two daily assemblies.

**The Toastwitch
Shoppe**
College Brick Ice Cream
Light Lunches
Open till 10 p. m.
24 W. 9th Street

"Guide of the Tide" By Alpha Gamma Delta And Sigma Pi Tau Wins

(Continued from page one)

years. Every float represented a great deal of thought and a lot of work, the judges said.

The members of the faculty who served as judges were: Miss Maude I. Kerns, head of the normal arts department; Dean Walker, director of the loan fund and student adviser; and Frederic S. Dunn, of the Latin department.

All Space Taken

One of the largest crowds which ever attended a canoe fete here witnessed the event last night. Because the bleachers in previous years have been too small to accommodate the crowds, additional ones were constructed this year, as well as the erection of temporary bleachers in the street just back of the regular bleachers. Every ticket for the reserved seat section had been sold before last evening, and every seat in the

general admission section was filled.

The program as presented last night:

"In a Marine Garden"—Alpha Xi Delta-Men's Oregon club.
"Reigne de la Jardin"—Kappa Omicron-Kappa Delta Phi.

"The Persian Love Boat"—Gamma Phi Beta-Friendly hall.
"Iduna, the Valkyre"—Kappa Kappa Gamma-Beta Theta Phi.

"A Dream Adrift"—Alpha Phi Delta Tau Delta.
"The Goddess of the River"—Pi Beta Phi-Bachelorhood.

"Mei land"—Delta Zeta-Lambda Psi.
"Janice Meredith"—Alpha Delta Pi-Sigma Chi.

"The Shrine"—Delta Delta Delta-Alpha Tau Omega.
"The Castle by the Sea"—Alpha Chi Omega-Phi Kappa Psi.

"Argonautica"—Chi Omega-Phi Gamma Delta.
"Jason and the Golden Fleece"—Kappa Alpha Theta-Sigma Nu.

"A Venetian Honeymoon"—Hendricks hall-Psi Kappa.
"A Fisherman's Dream"—Girls'

Oregon club-Theta Chi.
"Winkyn, Blinkyn and Nod"—Delta Gamma-Kappa Sigma.
"Guide of the Tide"—Alpha Gamma Delta-Sigma Pi Tau.
"Nyuki-Angalia"—Alpha Omicron Pi-Phi Delta Theta.

"Bubiat"—Tau Nu-Alpha Beta Chi.
"The Barque of the Caliph Haroun"—Sigma Beta Phi-Sigma Alpha Epsilon.
"Columbia's Ship of State"—Susan Campbell hall-Chi Psi.

Sunday Night

From 6-9 o'clock
Sam Soble and his
"Bozo" Orchestra

Le Toume Shoppe

CHOICE



The Best
of
Meats

When purchasing your meat there are many things to be considered. It's just as easy to get the best as it is to get meat of a poor quality. We specialize in best meats.

Shop Here and Save
EUGENE PACKING COMPANY
675 Willamette Phone 33 or 39

MEATS

KEEP

THE JUNIOR WEEK-END SPIRIT
OVER SUNDAY

—Order Walnut-Fig
Ice Cream Special

Don't you feel fagged out Sunday after the strenuous times, Friday and Saturday? After such a good time during Junior Week-End you hate to go back to the humdrum existence. Keep the spirit of campus day, the canoe fete and the prom. Order Walnut-Fig ice cream now and pep the gang up for Sunday with the same old vim they have during the stirring events of the week. One layer of Walnut-Fig ice cream, one layer of vanilla and one of French Salad ice cream complete the special.

**Eugene Fruit Growers'
ASSOCIATION**

8th and Ferry Phone 1480

HELD OVER SATURDAY

DWIGHT JOHNSON'S
10 PIECE

STROLLERS AT LARAWAY'S MUSIC HALL DANCING

Good Floor 9:30 to 12 Special Ventilation

ORIGINAL — UNIQUE — FASCINATING!

"The LAST LAUGH"

A STUPENDOUS SENSATION THE WORLD OVER

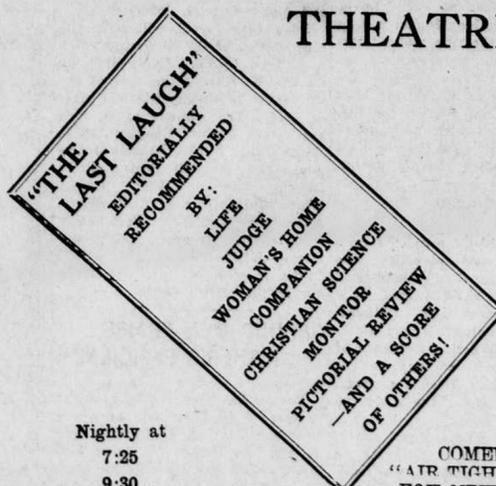
---Special Added Attraction---

"A CONTINENTAL CARNIVAL"

15 — ENTERTAINERS — 15

PIED-PIPERS BAND

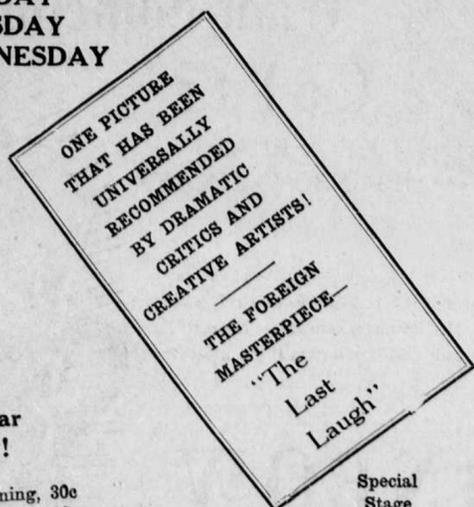
McDONALD THEATRE



Nightly at
7:25
9:30

COMEDY
"AIR TIGHT"
FOX NEWS

MONDAY
TUESDAY
WEDNESDAY



Regular
Prices!

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Stage
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