

Dr. H. W. Frings Does Research On Flies

Why do house flies get into the molasses? Because, says this expert, they taste with their feet.

Dr. Hubert W. Frings, associate professor of zoology at the Pennsylvania State College, and his wife, Mabel Frings, found in intensive research that the four terminal segments of the tarsi of the legs of flies are taste organs.

They also learned that the shorter hairs of the labella, the pads on the end of the proboscis, are taste organs. The longer hairs are used as sense of touch organs.

One of 23 House flies were only one of 23 species of insects examined by Dr. Frings and his wife in their study of taste habits. The insects were mounted alive on wax blocks for exact observations, although tests also were made with free animals.

Possible taste organs of the insects were touched with fine glass needles, bearing either water, sugar solutions, or a salt solution, after control tests were made. In some cases, organs were removed and the reactions of the insects were then studied.

Cockroaches, while unable to taste with their feet, were found to have taste organs in three other places.

These organs were located on feeler-like appendages protruding from the mouth parts, and known as the maxillary and labial palpi; the tip of the hypopharynx, a fold on the floor of the mouth; and on the ligula, which is a part of the lip.

The roaches paid no attention to sugar water when these organs were removed. But they were able to find dog biscuit or other food particles.

"Apparently," Dr. Frings commented, "they have a keen sense of smell."

Outstanding

Continued from page one schools as a defense against communism.

The afternoon program is concerned with "The Layman's View of School Improvement." Mr. Roy E. Larsen, president of Time, Inc., will describe the organization of the citizen's committee on Education of which he is the chairman. The purpose of the organization is to give interested and nationally known people outside the fields of education, religion and politics a voice in the development of educational policies.

Annual Dinner Following the annual dinner this evening, Cameron Ralston, noted author and lecturer will speak on "The Five Plagues of Democracy". Mr. Ralston is known for his work in establishing the "Youth Guidance Week" program and as the director of Public Forums of the U. S. Dept. of the Interior, office of education.

Thursday's program consists of a lecture and symposium on "Business Looks at Vocational Education" in the morning followed by a talk on the bearing of new legislation on our schools in the afternoon. The conference will close in the afternoon.

In addition to the lectures, a luncheon and golf tournament as well as several special events for the wives of those who attend have been planned.

500 Attend More than 500 Pennsylvania school superintendents and principals registered for the 27th annual conference. School administrators enrolled for the School Management Clinic are also attending the sessions.

Foundation Plans Picnic, Barn Dance

The Wesley Foundation will hold an afternoon and evening of fun and fellowship on Saturday. The events planned include swimming, softball, horseshoes, outdoor games, a picnic supper and a barn dance. This outing will be held on a farm near Potter's Mills.

It is necessary for all who plan to attend to make reservations at the Foundation or by calling 2163 or 2273 by Friday noon. Those who are going will meet at the Foundation at 2 p.m. Saturday. The cost for the trip will be about 50 cents.

Band, Chorus Hold Combined Concert

The Summer Sessions Band and Chorus will present a combined concert in Schwab Auditorium Wednesday night, August 3, it was announced today.

James W. Dunlop and Frank Gullo, assistant professors of music, are respective leaders of the two groups.

The concert, presented annually under the auspices of the music department in connection with its Summer Sessions program, is free, and all students, faculty, and guests are invited to attend. A complete program will be printed in next week's Collegian.

Loman Takes Part In Buying Course

H. W. Loman, purchasing agent at the College, will participate in the program for a short course in purchasing for higher educational institutions to be sponsored by the National Association of Educational Buyers.

Loman will address a session on August 24 on "Dormitory Design and the Purchase of Dormitory Furniture." The course will be conducted at Teachers College, Columbia University, New York, N. Y.

Howard To Speak In Schwab Sunday

Rev. George G. Howard will be the guest speaker at the weekly evening vesper services in Schwab Auditorium at 7:30 p.m. Sunday. Reverend Howard, pastor of the Unitarian Church, Hackensack, New Jersey, will use as his theme "The Self You Live With."

George Ceiga will play twenty minutes of organ music preceding the service.

This will be the last in a series of Sunday evening vesper services sponsored by Summer Sessions featuring prominent spiritual leaders.

Workshop—

Continued from page one tional Education Association, and Miss Lucy Valero, president of the state organization for elementary teachers.

Morse Salsbury, director of the public and technical information service of the Atomic Energy Commission, will speak on the relation between education and atomic energy on Friday, at the same time and place.

For the Workshop lecture Monday, Dr. Howard K. Wilson, noted historian and director of the European program of the Carnegie Endowment for International Peace, will speak. Dr. Wilson, who has just completed a trip to Europe as part of his duties, will discuss current pertinent events in Europe.

Frat Plays Host To Hillel Services

Pi Lambda Phi will be hosts Friday night to all persons interested in attending an Oneg Shabbat service to be followed by an entertaining program.

Services will begin at 8 p.m. at the fraternity's chapter house, 240 E. Prospect avenue. The program will consist of lighting the Sabbath candles, folk dancing and singing. Refreshments will be served and all students, faculty members and townspeople are welcome.

The Oneg Shabbat service is being sponsored by Summer Hillel which is contemplating other planned programs during the summer session.

Women's Dorms Receive Names Of Two Former Faculty Members



McElwain



Simmons

The two new women's dormitories on campus, Simmons Hall opened last fall, and McElwain, to be opened in the fall semester, were named in honor of two former faculty members.

The late Harriet A. McElwain served as professor of history, taught Latin and mathematics, and later was secretary of the faculty and registrar. She also served as secretary to the late Dr. George W. Atherton.

Dr. Lucretia V. T. Simmons joined the faculty as an instructor in German in 1903, and retired in 1939. She served for 20 years as head of the department of German and in 1918 and 1919 was dean of women and also professor of German.

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