



-Drawing by Nancy Wigfield

Psych Prof to Test Pigeons' Response

Dr. Howard S. Hoffman, assistant professor of psychology, plans to use pigeons to test the psychological effects of conflict.

Hoffman has received a 3-year grant of \$25,000 from the National Institute of Health for the experiments. He plans to continue the studies for longer than three years if the results prove promising.

A pigeon will be placed in a sound-insulated box attached to an automatic device for recording responses to stimuli. The pigeon will learn that when it hears a certain tone it may press a key to obtain food.

After the pigeon is satiated, it will be given a mild electric shock every 15 or 20 seconds. The pigeon will learn that if it presses another key, it can prevent the shock. The pigeon will hear the same tone it heard before it pressed the key for food.

When the pigeon is hungry again, it is faced with a conflict—whether to press the key that will give it food or the key that will prevent shock.

Hoffman compares this to a human situation in which a goal is both desired and feared.

Pigeons were chosen, according to Hoffman, because they have long life spans and their auditory responses are similar to man's.

However, he said he may use rats. Air blasts may be used instead of the electric shock, he said.

Hoffman expects to start experiments sometime in the spring semester and tests will be made in Pine Cottage.

Hoffman said he is using new techniques to investigate an area in which there has been previous

19 Courses Offered By Ag College

The College of Agriculture offers 19 curriculums to train students for about 500 occupations in agriculture.

For those who cannot enroll in a 4-year curriculum there is a 2-year course leading to an associate degree in agriculture, and numerous short courses, ranging from one to four weeks.

Almost every department in the college sponsors a club where students can meet for discussion, to hear speakers and to take part in field days, livestock and dairy shows, contests and social events.

Organizations now active in the college are the Leibig Chemical Society, agriculture and biological chemistry; Rod and Coccus, bacteriology; Block and Bridle, animal husbandry; Clover Club, agronomy; Future Farmers of America, agriculture education; and the Penn State Grange and 4-H Club.

The Agriculture Student Council is made up of representatives from each of these organizations and the two college publications, the Ag Hill Breeze and the Penn State Farmer.

The college also sponsors honorary societies for students who have distinguished themselves at the University.

Every year the agriculture faculty names one outstanding senior "Mr. Agriculture" for the year. The contest is sponsored by Coaly Society to honor an agriculture student who has shown good scholarship, character and participation in extracurricular activities.

Some of the special events on Ag Hill this year will be the fall horticulture and spring flower shows, the forestry field day, the Little International livestock exposition, the dairy cattle judging contest and spring dairy exposition.

3 Fraternities Join IFCPA

Three new fraternities have joined the Interfraternity Council Purchasing Association.

Phi Delta Theta, Delta Tau Delta and Pi Kappa Phi were announced as new members at the IFCPA junior and senior board meeting last week at Delta Chi.

Robert Ginns, IFCPA chairman, said 28 fraternities now belong to the group. Ginns also said the association has purchased a scale for use by fraternity cooks in checking food weights, and that weekend specials have been established by one supplier, Cold Inc.

Sorority Rushing Enters Final Week

Sorority rushees may pick up their preferential bidding cards from 6 to 9 p.m. tomorrow in Simmons lounge and 9 to 10 p.m. in Irvin lounge.

The marked cards must be returned to the head hostess of the rushee's own residence hall before 11 p.m. the same day.

Sororities may pick up their preferential cards Oct. 8 or 9 in the dean of women's office. They must be returned to the dean of women's office by 8 a.m. Friday.

The cards will be processed in an IBM machine Friday. Rushees will receive the bids at 4:30 p.m. that day and ribboning will be held at 7 p.m.

Mineralogy Prof Develops New Atom Particle Technique

Dr. Harold D. Wright, associate professor of mineralogy, has recently developed a new technique to analyze the arrangement of particles given off from radioactive atoms of a trace element.

The Research Corporation has awarded Dr. Wright a Frederick Gardner Cottrell grant of \$4767 to support his project.

Wright stresses the importance of finding out the role of trace impurities in minerals. Until the present, there was only one general method of studying and determining whether these 'impurities' were a part of the mineral or not.

This method, X-ray diffraction, is insensitive to elements blended in trace elements. By Wright's technique, a polished section of a

mineral is exposed on photographic film which records the radiation given off during the disintegration of the radio-active particles.

Thus the location of the atoms is recorded and can be studied. In the laboratory, Wright and his assistants are working with such minerals as the sulfides of iron, lead and zinc.

Working on the project with Wright is Joseph J. Hutta. Other graduate students who have worked in this field of research are William P. Shulhof and Chester M. Smith.

Student canes were a common sight on this campus around the turn of the century.

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Plans For The Weekend?

Cocktail Party --- Formal

Whatever your choice, you'll be a hit in a fashionable frock from our Balcony Salon. Whether your choice is an empire line, balloon skirt, barrel, or sheath—we can make your wish come true in a Kay Selig or Janie Frock of taffeta, pure silk, satin or lace priced from 29.95 and up.

And to go with my-lady's dress, may we suggest our complete line of cocktail and evening shoes—with the new slender heel and pointed toe priced from 10.95 to 19.95.

Our formal footwear includes glass slippers, black or gold brocaded shoes and shoes of white dyable fabrics mixed with gold metallic. These fabric and metallic mixtures dye beautifully.

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We also have matching handbags for most of our formal and cocktail shoes.

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