

Earth Forces Lead Pigeons To Home Roosts —Yeagley

Mother Nature has taken pigeons under protective wings in several miraculous ways, if the "homing" theory set forth by Dr. Henry L. Yeagley, professor of physics, is correct.

Pigeons become accustomed to the magnetic and earth rotational influences exerted at their home roosts, according to the Yeagley hypothesis.

These influences lace the earth with a gridwork of two sets of imaginary lines. One set which indicates the magnitude of the earth's rotational effect runs parallel to the latitude circles.

The other set ripples out from two magnetic poles located in the Hudson Bay region and south of Melbourne, Australia.

The magnetic strength and rotational effect of the crossed gridwork guide the pigeons to their home lofts, Dr. Yeagley believes. The birds are also endowed by Nature with special sense organs that detect these influences, the "homing" theory purports.

Pigeons have built up an adaptation to these guiding factors from 1000 or more years of selective breeding, the physicist holds, whereas wild birds have developed it because of their dependence on seasonal migration.

Numerous experiments which have been conducted confirm Dr. Yeagley's theory. Birds released with magnets on their wings got confused and were unable to locate their homes.

On discovering that the crossed grid lines in this region coincided with the lines at Kearney, Nebraska, Dr. Yeagley drove his State College-trained pigeons west. Birds released less than half way to Kearney flew back toward State College while those released after half the journey

was completed, headed for Kearney's plains.

Dr. Yeagley, who started this study for the Signal Corps at the start of World War II, points out that the Army has discarded horses and dogs but has retained the pigeon service. During the Normandy invasion when the radar was knocked out, pigeons flew important messages.

The physicist's experiments were aided by Dr. P. F. English, professor of wildlife management; Merrill Wood, associate professor of zoology; Dr. George Hendrickson, associate professor of wildlife management at Iowa State College; and Major Otto Meyer of the Army Signal Corps.

Miller Discusses Reserve Training

Major Norman A. Miller, USMC, will be present at 200 Engineering "E," 7:30 tonight at the regular meeting of the campus unit of the USMCR Volunteer Training Unit to discuss reserve training. Major Miller is assistant to the Director of the Fourth Marine Corps Reserve District, Philadelphia.

Captain Edward Cook of the College Marine Corps unit announces that all Marine reservists and ex-Marines are invited to attend tonight when Major Miller will answer any questions concerning the Marine Corps reserve.

EE Students Attend Meeting in Pittsburgh

Fourteen electrical engineering students, accompanied by A. P. Powell, associate professor of electrical engineering and student counselor for the American Institute of Electrical Engineers, and W. B. Shepperd, associate professor of electrical engineering, recently attended the student meeting of the Pittsburgh section, AIEE.

Theodore W. Hissey, chairman of the Penn State student branch, served as student chairman of the Pittsburgh meeting. The men also made a tour of the Westinghouse Electric Corp. in Pittsburgh.

Sam W. Hamilton, Paul W. Keller, Dr. Eugene T. McDonald, Dr. Harold E. Nelson, Harriett D. Nesbitt, Harold J. O'Brien, and Mildred B. Wertz.

Zelko, O'Brien Attend Eastern Conference

Harold P. Zelko, associate professor of public speaking at the College, will discuss "Problems of Communication in Industry" and Joseph F. O'Brien, professor of public speaking, will serve on the executive committee and as chairman of the nominating committee at the Eastern Public Speaking Conference which opened in New York yesterday.

Other members of the department of speech at the College who are attending the conference are: Dr. Paul R. Beall, Coleman C. Bender, Holle G. DeBoer, Wil-

GRIN AND BEAR IT

By Lichty



"Forget about where last week's salary went, Otis—When you start reminiscing, it's a sign you're getting old!"

Critique Sponsors 'Jazz at Schwab'

"Jazz at Schwab," a Critique-sponsored bebop versus Dixie-land concert, will be open to the public at Schwab auditorium from 2 to 4 p.m. Sunday, April 25. No admission will be charged.

The Beboppers and Dixie-landers will each play several of the same numbers; then sets of three pieces will be presented alternately.

James Dunaway, who will emcee the program, explained that the purpose of the concert is to give students and townspeople an opportunity to compare bebop and Dixie-land music.

Beboppers will be Gene Sprague, trumpet and leader; Dick Anderson, tenor sax; Bob Miller, alto sax; Dean Alspach, piano; David Ingraham, bass; and Jack Shetter, drums.

Dixie-land will be represented by the Tru-Blu Sextet, which includes "Shoeless Lou" Levi, piano and leader; "Wild Dave" Briner, trumpet; "Stash" Collins, clarinet; "Pops" Greenly, bass; "The Old Professor," drums; and an unidentified trombonist.

Fourteen dollars provides complete care for one month for a rehabilitated or undernourished student at a Student Rest Center in India.



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