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Air Force Promotes 83 Cadet Seniors

Major Inman, Pontiac, announced the promotions in the Air Force Cadet Corps of 83 members of the class of '51. The students are to be Cadet Major and four to Cadet Captain. The promotions are as follows:


Cadet Captains: Eben R. Hackett, D. J. Parsons, Donald H. West, Ronald G. Clarack, Harold J. Fuld.

Residents Selected To Counsel Freshmen

The Resident Advisor Program is instituting in the Freshmen Houses to be conducted next year according to Mr. A. L. Parmelee, Acting Dean of Students. The results of this year's projects have been, in general, worse, however, it has been the case that the Dean's Office has received complaints in a number of cases and therefore desires to justify continuance of the program next year.

The Dean's Office is responsible for the coordination of the Dormitory Committee and the incumbent Resident Advisors are expected to be mentioned as the Resident Advisor, from which two selected persons will be chosen by the Dormitory Committee and the incumbent Resident Advisors. It is expected that the person who have a concern for their freshmen will be named in the near future and be selected.

Dining Service Runs Into Red

A 24.4% over-all increase in food prices during the past year will cause a visible 10% increase in the price of meals at the Dining Hall and the Graduate Club, according to Mr. Frank M. Baldwin, Director, Dining and Housing Facilities.

The percentage increase was decided upon after a statistical study of each item of food bought was made, and a report of the loss per month on dining service operations was compiled. The latter report showed a $9,990.37 loss for all dining operations during the period July 1, 1949, to March 31, 1950. Since that time, contracts with contract feeding has been made which offers a maximum decreasing price while the other two dining halls are using one more than can be offered by Baker.

Mr. Baldwin stated that all contracts have been exhausted; watching the buying of food as well as making departmental contract prices, and other emergency measures have been taken, which enter into the increase is 9% rise in labor costs.

Mr. Baldwin also pointed out that $28.800 per day goes to the help of contracts for meals which represent no matter how many questions the situation would definitely affect increase in price.

The Interesting figures show that 85% of final food costs go to the help of labor which are not that are not at least a 5% rise in labor costs which enter into the increase is 9% rise in labor costs.

Big Spring Weekend

The Dining Service for the weekend is approximately $4500 per month. In order to keep the present prices more customers per month are needed. Several other items of expense have been made which could prevent a price increase, and the Department of Housing believes that the system for day students and control the dining service operations both at Walker and at the Graduate Dining Hall.

Mr. Baldwin also stated that although dining operations are in the red, and even this increase won't quite make up the deficit.

Meet Me!

Mysteries Of Weather Fade Under Watchful Radar

By ED EIGEL '54

One of the developments of World War II that has found a peaceful use is radar. It is becoming a critical tool in the hands of meteorologists who are studying weather disturbances.

Research in the use of radar in observing weather conditions was started here at the Institute in 1946. Since then the Department of Meteorology has progressed in the study of clouds and storms. Using three radar units, two of which operate as three-dimensional maps, the other at ten kilometers, the department can scan the atmosphere for a radius of about 100 miles. All three units are in operation during any storm in the Cambridge area.

Aeroplanes Collect Data

Based on the principle that water droplets and ice particles cause backscattering of radio energy in the three-to-ten-centimeter wave length range, the system uses the meteorologist to obtain these low types of measurements, and the geographical location and vertical distribution of the cloud. (2) The average wind velocity at the height of the cloud. (3) The fluctuations in reflective intensity of the media from any other electrical activity. The sharpness of height intensity of the echo depends on the size and number of raindrops or ice crystals. The fluctuations in this intensity depend on the velocities of the drops.

While the radar is in use, an airplane is flown through the areas being scanned. The plane collects data such as the size distribution of raindrops or ice particles, the shape of ice particles, and other similar data. The radar units follow the plane, measuring the measurements.

Clouds Studied

In addition to the analysis of the meteorological merely the radar scope pictures, the sets are also used to study the structure and growth of storms and clouds. Because the intensity of the echo depends on the size and number of raindrops or ice crystals, it is fast becoming a useful tool in the analysis of the aforementioned study of storms, but another means for reaching long-range weather forecasting.

Psychiatrist William Menninger To Talk At Memorial Lecture

William C. Menninger, one of America's foremost psychiatrists, will give the annual Arthur Debus Lecture in Memorial Lecture next Tuesday, May 1. The talk, "Social Change and Scientific Progress," will be given in the Radcliffe auditorium.

Dr. Menninger is professor of psychiatry at the University of Kansas. He has written more than 200 articles on psychiatry and related topics in various journals and is the author of several books, including Psychiatry in a Troubled World.

One of Dr. Menninger's chief interests has been both to his colleagues and to the general public, as Dr. Menninger, during his undergraduate post graduate training he became interested in the study of Neuropsychiatric Consultants during World War II. After the war he became president of the American Psychiatric Association.

He was one of the organizers of the Group for the Advancement of Psychiatry, and has served as its chairman since its inception. At the present time, he is general secretary of the American Psychiatric Association.

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