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ENGINEERING BRUNSWICKIAN

VOL. 70.

FREDERICTON, N. B., WEDNESDAY, FEBRUARY 15th, 1950

No. 12

ENGINEERS PLAN BIG WEEK

WASSAIL SETS EVENTS ROLLING

Monday saw a large banner unfurl over the front of the Civil Engineering building to herald in another "Engineering Week" at U.N.B. This week was established years ago in an attempt to get the engineers as a body to know each other better and to foster a feeling of unity and friendliness on the campus.

The Wassail set events rolling on Tuesday night. Castle Hall rocked as festivities reached a high pitch. Starting at 6.30 with a delectable chicken dinner served by the Pythian Sisters, the Wassail proceeded to accomplish its purpose as it spread a warm and friendly "glow" over those attending. Dr. E. O. Turner entertained the engineers with an informal talk which was followed by a toast proposed by J. Harry Moore.

During the evening many good stories, engineering feats, and jokes were swapped. Towards sunrise as the Brunswickian went to bed the last of the merry-makers were seen struggling towards their homes and pits in order to recuperate.

Thus to give these last few a chance to rest, Thursday of this big week has been set aside as recuperation Day.

As the final effort of the week,

the engineers present on Friday night, February 17, the "Engineering Ball", the biggest event of its kind for the season. This dance is to be held in the popular Loyalist Ball Room at the Lord Beaverbrook Hotel in the heart of downtown Fredericton. Music supplied by the well-known Criterions will be featured, accompanied by special entertainment and engineering displays.

As an anti-climax to this week of weeks, a very eminent engineer will appear on the campus February 20. Mr. John E. Armstrong, in his official capacity as president of the Engineering Institute of Canada, will speak Monday afternoon in the Memorial Hall.

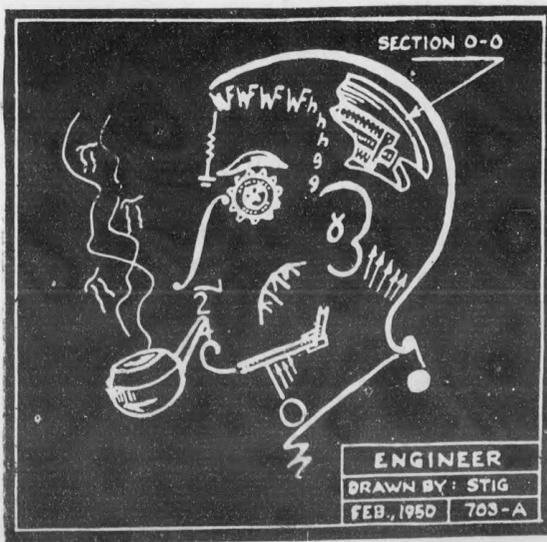
As Chief Engineer of the Canadian Pacific Railway System, he is a man whom all students should be anxious to hear. Lectures and labs have been cancelled for the event.

Engineers Train Youth

G. R. RUICKBIE, F/L
O.C. 333 (Rotary) Sqdn. R.C.A.C.

Perhaps many readers will wonder what "youth movements" have to do with an Engineering edition of a college newspaper; even a casual perusal of the following article will indicate why. The author will confine his opinions and facts to the youth movement with which he has been connected for the past three years, and attempt to point the aims of the organization and the graduates, potential graduates, and the undergrads, who are connected with the organization, particularly engineering personnel. The youth movement involved in this article, is the Royal Canadian Air Cadets. The majority of officers and instructors engaged in the work of the local Fredericton Squadrons, are graduate, or potential graduate Engineers, and R. C. A. F. veterans.

It would not be fair at this point, to proceed without exemplifying the objects and accomplishments of the R. C. A. F. The primary aim of Air Cadet training is that of citizenship training to some 14,000 Canadian youths. The movement is sponsored by the Air Cadet League of Canada which, consists of leading business and professional men across the Dominion. The League



Dr. Linus Pauling

Addresses Capacity Audience

In a lecture on "The Place of Chemistry in Medical Research" in the Memorial Hall on Tuesday evening, Dr. Linus Pauling impressed a capacity audience with the importance of pure chemical research to the field of medicine. Dr. Pauling who is president of the American Chemical Society and head of the faculty of chemistry at the California Institute of Technology in one of the number of outstanding lecturers to be on the Campus this year in observance of the one hundred and fiftieth anniversary of the university.

The president of the University, Dr. Trueman, in introducing the speaker, listed the impressive array of doctorates conferred on Dr. Pauling by many of the leading universities in the World, in addition to which he mentioned that the speaker was the recipient of the highest civilian award attainable in the United States, the Medal of Merit. Dr. Argue expressed the official thanks of the assemblage to Dr. Pauling.

In an hour-and-a-half talk which was thrown open to the townspeople as well as the students and faculty members of the university Dr. Pauling was at once technical and interesting as he brought his wide knowledge of chemistry to focus on the problems common to chemistry and medicine. He advocated a common undertaking in the field of research for the mutual betterment of the science and illustrated his argument with a variety of examples and informative slides.

The technical aspect of his talk ranged from the formation of fat bodies in the plasma of the rabbit to the hereditary nature of sickle-cell anaemia in negroes. As an illustration of the work that is to be done Dr. Pauling cited the wonders of the age, the operation of which is as yet unknown either to chemists of medical men. He placed the acquisition of this knowledge in the hands of those who would discover the complex structure of the molecules making up the living organism, and went on to discuss the progress which he himself had made along this line.

In his final address, Dr. Pauling expressed pleasure at the hospitality shown him on his visit and at the opportunity to visit and lecture in this part of the continent.

Following Dr. Pauling's lecture on Monday afternoon, Dr. D. A. Keys, Vice-President of the National Research Council and officer in charge of Canada's Atomic Energy Department at Chalk River, Ontario, spoke on the Chalk River project. This address was by special arrangement as Dr. Keys appeared in Fredericton by invitation of the Canadian Club.

Dr. Keys spoke of the Chalk River Community, of some of the less secret technical aspects of the plant, and also of the recent developments there. He stressed the fact that those employed there were not concerned with the development of arms primarily, and extended an invitation to university graduates in particular fields who might seek to be employed with the project.

Third Guest Speaker To Lecture Today

Once again U.N.B. is to be honored by having an eminent Canadian speak to the students on Wednesday, February 15. Mr. G. V. Ferguson, editor of the Montreal Daily Star and well known C.B.C. commentator, will be present on our campus today. Mr. Ferguson will be the third guest speaker to appear up the hill in honor of U.N.B.'s 150th anniversary celebrations.

Mr. Ferguson will present a special lecture in the Memorial Hall this afternoon at 3 p.m. All students are cordially invited to hear him speak on "The Newspaper in a Free Society."

U.N.B. Senate Meets

Yesterday marked the opening of the University of New Brunswick Senate's regular mid-winter meeting. As in years past this will be the Senate's most important meeting of the year. At press time details of the agenda were not yet available.

is headed by a board of directors, and the chain of command descends to Provincial and regional committees, and local sponsoring bodies. In the case of the local squadron, the sponsoring body is the Fredericton branch of the Rotary Club, the chairman of the committee being Mr. Gerald Cherry.

The Royal Canadian Air Force assists very strenuously in the administrative and training program. Besides providing uniforms and all training equipment and publications, the R.C.A.F. appoints a liaison officer to each Group and Command to administer to the needs of all squadrons within their area.

Training for Air Cadets is divided into three phases, phase one for the first year Cadets, consists of training in Leadership and Morale, Drill, Sports, Navigation and Meteorology, Flying Hygiene, Airmanship, History of the R.C. A.F., etc., a total of 105 hours. Phases two and three, for second and third year Cadets, also includes 105 hours of training, the difference in the program being that special subjects such as airmanship, photography etc., are accentuated rather than some of the general subjects. Besides having the advantage of equipment at hand to work with, which the normal lad cannot afford to buy, many other advantages lie in Air Cadet training. Hobbies, such as photography and model aircraft construction, and sports which include basketball, baseball and hockey, are a part of the Air Cadet curriculum. Exchange visits to other Air Cadet Squadrons, also assume a prominent part in the training program.

Other material benefits, provided for by the R.C.A.F., include the annual period of two weeks at summer camp, at an R.C.A.F. Station;

Flying Scholarships to 250 Canadian Air Cadets, for which each Cadet receives at least 15 hours of flying training and 60 hours of ground training at a recognized flying club; and exchange visits to the United States and Great Britain. Each year, 25 Cadets are chosen to visit the U.S.A. and 25 to visit Great Britain; these trips, lasting for three weeks, consist of visits to various allied military establishments, visits to various historical sites of interests, and entertainment of a wide and varied nature. These benefits involve no expense to the Air Cadet himself.

Now, to return to the U.N.B. Engineers and the part they have played in the establishment and promotion of the Fredericton Air Cadet Squadron. No doubt many of you have the students on parade or taking part in Air Cadet activities and wondered why in blazes

they were taking time out for participation in the movement. Anyone who has an interest in Canada's future and the youth who will some day help to direct Canada's destiny, can readily see the advantages that any lad can derive from such a training program, to fit him for the task. One of the prime requisites of any engineer is to take an active part in the social and welfare activities of the community in which he lives; in what better way could he serve this community and in what better way could he the necessary training, than to aid in the promotion of such an ideal movement?

The first Squadron with which one is connected, seems to hold an attraction and an interest from which one cannot seem to divorce himself. For instance, F/O Bob Fownes, E. E. class '49, performed an exemplary job, first as an aero engine instructor and then as Eq- (Continued on page 8)