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ENGINEERING BRUNSWICKAN

Engineering Dance Highlight of Week

The eighth annual Engineering Ball was held in the Lord Beaverbrook Hotel last Friday night, officially opening Engineering Week. Sponsored by the University of New Brunswick Engineering Society in conjunction with the local branch of the Engineering Institute of Canada, the Ball proved to be the most successful yet with over 120 couples in attendance.

The highlight of the evening was the crowning of Janet McNair as our Engineering Queen of 1956. She was crowned just before intermission by last year's Engineering Queen, Margaret MacLaren. Her crown was composed of white mums and pink roses. Janet, a first year Arts student, then led the engineers in the singing of the Engineers Song.

Lloyd Crawford's orchestra was at their best and kept the dancers extremely active. Refreshments for the too-tired were obtainable from the efficient cork poppers in the mezzanine, who did a land office business.

Three novelty dances provided much interest and lovely prizes. Spot dances were won by Mr. and Mrs. Lorne Berggren, Marjorie Mulican and Ted Corbiere, while an elimination dance was won by Peggy Jones and Ron Pearsall.

Among those present were Dr. and Mrs. E. O. Turner and a large number of the engineering faculty and local engineers.

Much of the credit for the success of the dance must go to the Chairman of the dance committee, Bill Ower, a fifth-year Mechanical. Bill stated just before the dance, "We have had a lot of fun getting ready for what I think will be the best formal yet". We must also commend our master of ceremonies, Jim Brooks, who handled all events very capably.

Everyone commented on the three lighted engineering crests which provided the needed atmosphere on the dance floor. Apparently, the civil engineering crest has been borrowed by some over-eager student. The dance committee would appreciate it, if the crest was returned to them as soon as possible.

By the time you read this 'our Engineering Week for 1956 will be practically over. The traditional hockey game between the Engineers and the Foresters will have taken place and we trust that the Engineers will have won as they have done continually in the past.

From last report, the banquet that has been contemplated for this coming Saturday, in the place of our Annual Wassail, has been cancelled.

Eighteen Science Sophomores Cut

(Queen's Journal) In the wake of a devastating set of Christmas examinations, 18 students have been required to withdraw from the second year of the faculty of Applied Science. Letters from the office of the Dean were sent out earlier this week, and received yesterday by most of the persons concerned, advising each student that his progress had been deemed unsatisfactory and that he would be required to leave.

A special faculty meeting held last Friday rendered judgment on the ill-fated group, only two of whom were repeating their second year.

No students in either the faculty of Arts or the faculty of Medicine were required to leave the university as a result of Christmas marks.

Sixteen engineering students ran afoul of a new faculty regulation first formulated last January, and in operation for the first time this Christmas. The regulation which is numbered 5(B) in the science calendar, states that "second-year students who fail in seven or more courses in December are required to withdraw".

Dean H. G. Conn said yesterday that the regulations were nothing new, and that they were merely being enforced. Last Christmas, he said, two second-year repeaters were required to leave.

Dean E. O. Turner Looks To Future

This year finds us all busier than ever with four hundred and thirty prospective Engineers on the campus. Fortunately, we can look forward to more space in the near future, with the proposed connecting building between the two Engineering buildings almost ready to leave the draughting board. It is expected that tenders can be called at the end of next month. Certainly the members of the three lower classes can look forward to the day when it will not be necessary to don overcoats and overshoes to travel between the three departments of Engineering.



Dean E. O. Turner

In industry, the Engineering graduate is still the most critical item in the economy. It has come to a point where we, on the Engineering staff are embarrassed, when some of our good friends of the past, are unable to enlist the services of any of our graduates. This picture should be most reassuring to all

undergraduates in Engineering, and they can have the pleasure and satisfaction that their's is a role most vital to the future prosperity of their country.

Your Dean wishes you health and prosperity in your work.
E. O. Turner,
Dean of Engineering,
University of New Brunswick

Who Was Lady Godiva?

"Godiva was a lady who to Coventry did ride,
Showing all the villagers her lovely bare white hide;
The most observant man on earth, an engineer, of course,
Was the only one to notice that Godiva rode a horse."

This is but one version used in the engineers' song yet many an engineer is vague as to its origination. Many have asked, "Who's Godiva", and "What did she do?"

Lady Godiva really did exist. During the ninth century, the townspeople of Coventry were heavily burdened by taxes imposed by Leofric, the Earl of Mercia, the husband of Lady Godiva. With pity in her heart, Lady Godiva pleaded with her husband for mercy. The Earl then bargained with her that if she would ride, naked through the market at noon, mounted on a white horse, that he would relieve the people of Coventry of their heavy taxes. Lady Godiva accepted his proposition and rode through the town clothed only in her long hair.

Another version to the story is that Lady Godiva told the town-folk of her agreement and asked that they stay behind closed doors and have their windows sealed as she rode through town. A tailor, called Tom, who unable to control his impulses, peeped beneath a curtain to see the naked Lady and was suddenly struck blind. He was given the name of "Peeping Tom".

Lady Godiva died in the year 1057, but the people of Coventry never did forget her, for annual celebrations were held in the town for many years afterward to commemorate her good deed.

Engineering Queen



Janet McNair

Janet McNair was crowned "ENGINEERING QUEEN" at the Engineer's Eighth Annual Ball which was held at the Lord Beaverbrook Hotel, Friday evening. Janet was crowned by last year's Engineering Queen Margaret MacLaren and was presented with a gift from the Engineering Society. She then led the Engineers in their traditional song.

Eighteen-year-old Janet, Fredericton's gift to the University of New Brunswick, is a lovely 5'3", blue-eyed freshette. She received her pre-varsity schooling at Fredericton High where she was very active in school activities. Janet's likes are many, her dislikes few. Being a very active girl she enjoys all sports, particularly swimming and skating which seems to hold a special spot in her heart.

The engineers feel they have made a wise choice in picking Janet as Engineering Queen and agree that with her winning smile, good looks and vibrant personality, she will also claim the title of Carnival Queen and hence, MISS U.N.B.

ENGINEERING AT UNB HAS A LONG HISTORY

The first lecture in engineering at the University of New Brunswick was given on February 15, 1854. Before further discussing engineering, at the University of New Brunswick, let us stop for a moment and see where our profession established its early roots.

In 1750, France alone had a recognized professor of engineers and a school for their recruitment and training. It was not until 1800 that the profession first emerged in England. By 1850, France was still leading the world as a centre of engineering. Germany, at this time was making great advances in the engineering field, while Great Britain and the United States were still struggling to their feet.

In New Brunswick two men played a great part in establishing engineering instruction at the University of New Brunswick or King's College as it was known until 1859. Regarding these two men, Dr. William Brydone-Jack, a professor of mathematics, natural history and astronomy, and Sir Edmund Head, Governor of New Brunswick, Dr. A. F. Baird wrote: "I regard these two men as having laid the foundations of our academic engineering structure of today".

In 1852 Sir Edmund Head wrote a letter to the Chief Justice of the province, also Chancellor of the College, stating the need of training in Civil Engineering. The council of the College took immediate action and on April 2, 1853 authorization was given to appropriate funds for lectures in Civil Engineering and Drawing.

Even before this date Professor Brydone-Jack had been giving lectures in surveying and astronomy, he being very interested in the Observatory which was built in 1851. Instruments that were used at this time were a sextant and a theodolite which may still be seen in the archives of the University Library.

Following authorization of the lectures in Civil Engineering an advertisement appeared in the press concerning this new course. It was to include among other things, lectures in logarithms, sines, tangents, etc., trigonometrical formulae, resolution of plane triangles, methods of surveying and railway curves. The first lecture was given to twenty-six students by Mr. McMahon Cregan on February 15, 1854. The course was divided into two parts with Dr. Brydone-Jack giving them a mathematics background in the fall and Mr. Cregan teaching his course during the winter months.

The first recorded certificate of graduation in the engineering course was given on June 5, 1862 to Henry George Clopper Ketchum. There may have been others between 1854 and 1862 but no official record may be found confirming this.

During this time McGill University was also establishing its engineering course. From the records available it must be stated that although instruction in engineering was first started at the University of New Brunswick the first certificate of graduation in engineering was conferred to Mr. Godding of McGill in 1858. In conclusion it may be quite safely said that the University of New

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UIS Offers New Course

The University Investment Syndicate has been completely reorganized and the \$17 membership fee has been abolished. The constitution has been completely revised and plans for a better club are well underway.

The next official meeting of the club will be held on Monday, February 6, and will be offering a free investment course to all its members. The course entitled, "How to Invest Your Money", is one given by the Extension Department of the University of Toronto. It will last a total of ten weeks, covering various investment topics.

All U.N.B. students are welcome to attend these meetings. For further information consult the various notice boards.

Thanks!

The staff of the Engineering Brunswickan would like to thank all those who have assisted in publishing this issue and in particular would like to thank Fred Drummie for his help.

Letter from George Keith, Engineering Society Pres.

Engineering has come to be one of the leading professions in the world today and the demand for the graduating Engineer has never been so great as it is at the present time. You should not be lulled into a false sense of security due to this great demand. Only a limited number will reach the top of the ladder.

Employers are looking for students who have an "all around" education with a sound knowledge in the basic principles



George A. Keith,

of Engineering, which stresses Mathematics and Physics. When you graduate, employers will be

interested in your marks and class standing, student club activities, and summer employment experience. It will be the leaders who will walk off with the better jobs.

The opportunities for an Engineer are numerous, but as in any adventure, the results are by no means certain. The element of chance can be greatly reduced with proper preparation, by both physical and mental conditioning. Regardless of your preparations there may be setbacks, and you must be prepared to retrace your steps and start over, and perhaps alter your plans completely. By setting your sights on a worthy goal, if you have the basic principles and determination, that goal is yours.

George A. Keith,
President,
Engineering Society