ENGINEERING BRUNSWICKAN

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"FLASH"

ENTER his home of sparks and arcs, and this character in overalls will greet you meter in hand and grin above chin. Then it's hard to believe the shocking stories you hear about him.

LET him know you're interested in his mad gadgets however, and he'll swamp you with tales of having amps in his pants, and the times he's been out sparking.

EVERY time he gets a line on a telephone operator you can be sure he finds a pretty smart number. Making contacts is his business, and he can manage it with the minimum of resistance.

CONTRIVES to grapble with the stiffest curves, his touch is reported to be electrifying, but seldom shocking.

THIS variety is expert at producing osculations, and carries an extremely high voltage, but is quite wary of high impedance pick-ups.

RARELY does he travel without a charge on his hip, and he fills his battery with alcohol. The electrolyte is generally of a high specific gravity.

IN his spare time he amuses himself with a log log log log duplex disintegrating vector slide rule that will solve anything, including the whereamigoingtogetadatetonight problem.

CARELESS in many ways, he is nevertheless very alert when engaged with the X-ray machine, this supercharged pasteurizer can reduce a man to an apc to an egg in nothing flat.

ANOTHER of his pleasant features is his remarkable punctuality, as may easily be ascertained through conversation with his professors (the people who spend all their lives in college, going crazy by degrees).

LAST but not least, this jolly fellow is greased lightning with differential equations, Bessel functions, and all phenomena of a sinuous nature with compound curves. And being an ELECTRICAL, he's a blinding flash of an Engineer.

"SQUINT"

CAN you picture this type? Earlow hat and knee-high boots, pipe that smells like a wet boot, plaid shirt open to reveal a manly bush, and complete with beard, squint in one eye and a merry disposition. Roams across the country-side and through impenetrable woods and jungles, dragging axe, chain, stakes and a rodman.

IN case you don't know it, that instrument mounted on the plane table is called a transit. The magnifying power of the telescope proves very handy when near swimming beaches, and at other points of vantage and visibility. The rest of the time the instrument is just carried around to create an impression, or used to swing at mosquitoes.

VERY likely the language of this specimen is far from intelligible to any but the clergy, and the liquid in his lunch can is neither coffee nor bug oil. If it rains, he won't care—he'll just wet his inside too, and keep right on going. Laying out curves and taking shots with the rod are his specialties, and little problems in hydraulics and flood control are also in his ken. When it comes to surveying new country with extremely interesting contours, he can be trusted to lay out a pretty smooth line.

IN his hip pocket you could find a field note book containing all the scribblings that form a record of the survey, the latest jokes that are too good (?) to be forgotten, and the name of that sweet little gal at the farmhouse where he stopped for . . .

LEST we give you an incomplete picture, this species can also be found indoors, drooling into a pine over a draughting table, or scanning tables of earthwork calculations that mask the latest copy of Esquire. Tracings, blueprints and mile-long rolls of profile paper are his stock in trade, and he wields a wicked pencil, drawing bridge designs and highway layouts. All in all, if he's a CIVIL, he's an Engineer of the First Water.

GREATEST WASSAIL EVER

Campus Hop Huge Success

Engineers, pioneers in novel dances, have scored again with the biggest and best informal dance of the year. The first informal to be held in the Beaverbrook Gym, the "Campus Hop" brought a record crowd of 600 to dance under the golden glow of special lighting effect. Music, from mad jive to dreamy waltz, was provided by the Legion Orchestra, a nine piece ensemble under the direction of Bob Hawkins.

A unique feature was provided in the novel programmes, complete with cartoons, blueprinted under the supervision of Jack Turnbull' dance Committee chairman.

Starting after the last interscholastic basketball game on Friday evening, the Engineers cleared the floor and effected a near-miraculous change from tournament to dance atmosphere in split-second time. Twelve minutes after the closing whistle couples were dancing to the strains of the "Johnston Rag" beneath soft lights. Chaperones for the dance were Prof. and Mrs. A. E. Boone, and Prof. and Mrs. J. O. Dineen.

Credit for the success of the Hop must go to the following, Jack Turnbull, chairman, and Jim Belyea, Fred Davidson, committee. Tickets, C. Duncan, Murray MacLean. Checkroom, Ed Graham, Ralph Brookes, Will Baldwin, John Scott, Sc. '46. Lighting, Bill Gamblin Sc. '44.

Castle Hall Scene of Revels

Nite of nites for the 'Gineers, the annual Wassail was held again this year in Castle Hall. Holly McSorley, president of the U. N. B. Engineering Society, presided at the banquet and introduced the speakers. The stories were fully the equal of those of other years, as the evening floated merrily along, and were painted gaily by the feature speakers on a blue background of cigar smoke, for the great amusement of the innocent Freshmen, and sophisticated Upperclassmen. It was hoped that "Blinkey" would be on hand to chaperone the other members of the faculty present, however he didn't appear.

Catering was handled by the Princess Grill, and a chicken dinner was served for a hundred and eight watering (huh?) mouths. The Committee for Spiritual Welfare was well equipped to minister to their converts, and carried bottle openers to ward off the more enthusiastic of their followers. Tonsils were carefully lubricated, before the diving operations which followed at the Race of the Rat.

Under the capable direction of McSorley and Davidson, this year's Wassail was the best yet.

Civils Design "El Stuffo" Plant

On hearing of the success attained at U. B. C. by the Sciencemen out that in developing "EL STUFFO" — that drink that makes you stinko" the Senior Civils at once sent for details of the process. The formula for this terrific tonic is yet a secret, but many believe it to be compounded of hair oil, battery acid, wood alcohol and fish glue extract in that order. The results obtained are reported to be devastating.

Holly T. McSlidenle, leading Civil Engineer, reported that all work on the senior bridge design had been scrapped, after months of toil both day and night. "We are converting the Forestry Building into the largest EL STUFFO plant in the British Empire," he stated, "Hicker and Callagain of our Horizontal Engineering Division, expect to have it in full operation in time for the Wassail."

Electricals viewed the announcement not only as a sign of overwork among the Senior Civils, but also as a potential threat to their anti-freeze plant, that has operated successfully in the basement of the Memorial Hall for many years. R. D. Fooley and J. A. Turnbaid, supervisors of the Electrical's testing personnel for X-ray-bombarded transformer oil (fireproof, rainproof, 200 proof) remarked only that the Civils should return to their Vargaprints and work on their bridges Moore.

MODERN SCIENCE MADE SIMPLER

Closing Report — Test 367C
ETHYL COMPOUNDS

Introduction

Many methods may be found in chemical books for making chemicals such as tetraethyl, ethyl, ethyl sulphate, ethyl acetate. There is one chemical that is quite common, but nevertheless, methods for preparation have not been widely written, and inexperienced operators have difficulty in making it. We are referring to ways to make ethyl palpitate. One process in particular is effective, and description thereof will be given; but the operator should first observe the preliminaries set forth below:

Materials

The working material is usually the most important point, although experienced operators can handle almost anything. It has been said of chemicals in general that no reactions occur between chemicals that are absolutely pure. In making ethyl palpitate this fact is extremely important, because pure ethyl will not react and the more impure the better.

Observations

One of the usual faults is to try to make the ethyl palpitate too quickly. Too much heat may result in disastrous internal forces which lead the reaction in unpredictable directions. From this fault, some operators have been known to make ethyl ambulate. Others have made ethyl exclamate, ethyl detonate, ethyl vacate, ethyl reinigerate, and ethyl assassinate. On the other hand, if the operator is too gentle, he only makes ethyl osculate, or he simply winds up with the unadulterated ethyl from which he started!!!

—QUEEN'S JOURNAL

Mt. A., Acadia Win Debates

On Tuesday evening in the Forestry Building there was not little excitement and a good deal of audible comment from a certain section of the audience as two debating teams upholding U.N.B. met the combined challenge of Mt. Allison and Acadia.

The Co-eds dropped a unanimous decision as the Mt. A. team of Arlen Acton, captain and Irene Phinney defeated Kay Simcock and Dorcan Fridhiem of U.N.B.; the resolution for debate being that the B.N.A. act ought to be amended so as to permit the Canadian Federal Govt. to implement Social Legislature in the Provinces.

To the powerful men's team from Acadia, with Haldyn Reynolds and Bill Scott, the U.N.B. team of Colin Ramsay and Roomen Mowat lost in a close decision of 1-2. The subject for this debate was the resolution that the British Commonwealth of Naions should aim at a common foreign policy. The chairman who presided and welcomed the visiting teams were, Frances Firth and James Belyea.

Engineering For Women

Editor's note: The following article was written by Miss Helen Baxter, the first woman to enroll in the Faculty of Engineering at U.N.B.

"I was both thrilled and honored when I was asked to write something for this, the Engineer's edition of the Brunswickan. It gives me the opportunity to express my ideas on the subject of engineering for girls, and it also gives me the feeling of really being accepted by the Engineers in general.

This week engineering is being brought before the public eye, just as was forestry a few weeks ago, and I think it would be appropriate to bring out the part that I hope can be played by the girls of tomorrow.

Up to the present time girls have not been associated with engineering, but there is no reason to believe that they will have no part in its future.

It is true that it takes a man to go to South America to build a new railroad across the mountains but there should be room for a girl in the offices here at home. Engineering is not purely the building of roads, tunnels and bridges as the majority of people think it is, because there are plans to be drawn for these structures. Now here is where I think a girl would be useful. Why couldn't a properly trained girl draw a few of these plans? Why couldn't a girl do the plotting of the surveyor's notes and thus enable him to do other work that only a man can do? Only the future will accurately answer these questions, but it is my belief that a girl could do these things and thus cooperate with the men in building the future world.

After the war is over there is going to be a vast amount of rebuilding. There will have to be docks, bridges, railroads and dams planned and built. The engineers of tomorrow will in all probability, have such a large field to work in, that there must be some things the girls can do to help them out, and they will naturally turn to the girls with a knowledge of engineering.

In the future, the girls along with the boys, who take up engineering, should be able to show what cooperation in this field can do for the world.

H. J. B. '47

They called her Miss at 17
They called her Miss at 20
They called her Miss at 53
Boy, she must have lived a plenty!

President's Message

T. H. McSORLEY
Society President

Two years have passed since the first edition of the Engineering Brunswickan. We have endeavored to improve our edition each year, and we feel sure that this is the best yet. I would like to thank the engineers for their fine spirit of cooperation in putting out this issue. In particular we are greatly indebted to Mr. Jim Belyea for his untiring effort as editor in-chief, and for his knack of getting things done. His staff has done excellent work, considering that most of them have had no newspaper experience.

We have tried to show our readers that we do not spend all our time in the classroom, and when called upon to do anything of a social or literary nature, we bow to no faculty.

As graduation is approaching with ever increasing speed, I would like to take this opportunity to wish the members of the graduating class success in whatever they take up after leaving the campus, and to the undergraduates, the best of luck in the work that lies ahead of them.

HOLLY McSURLEY

HONOUR ROLL

FLT.-SGT. J. RICHARDS
KILLED IN ACTION

The death in action of Flight-Sergeant James Richards, ex-Eng. '44, has brought sorrow to his classmates and many friends on this campus. After spending a year overseas as pilot of an R.C.A.F. Halifax bomber, he had been looking forward to receiving his commission in the near future.

Coming to U.N.B. in the fall of '40 from St. Vincent's and Saint John High Jim was a popular member of the present graduating class and a staunch Engineer. His numerous friends in Engineering '44 were reluctant to see him leave during his Sophomore year to join the Royal Canadian Air Force. Following training at Belleville, Ont., he received his wings at Dalton, Man., in November 1942, and proceeded overseas shortly afterward.

It is with great sadness that the Class of '44 add this third name to the Honour Roll of those who have given without hesitation their most precious possession for the cause in which we fight. Jim Richards can not be forgotten, he lives on in the thoughts of his friends.

War Effort Boosted

During the past weekend the University's War Effort Fund took a big jump to reach a total of about $425.00.

The canteen operated by the Coed-ettes during the interscholastic basketball tournament was the chief benefactor of the fund. Approximately 2300 ice cream bars and 50 cases of soft drinks were sold to the hungry spectators at the games.

Besides the canteen, programmes, listing all the games and the name of every team and player in the tournament) were sold to the hundreds of fans attending the games. These proceeds from the sale of these programmes together with the proceeds of the canteen netted about $150.00 for the fund. This is quite a boost and thanks are due to those who assisted in any way over the weekend.

QUEENS PLANS NEW LARGE RESIDENCE

Kingston (C.U.P.) As a postwar project Queen's University plans to build a new one million dollar Students' Union and Men's Residence. Plans are definitely going forward to this end at the present time, though they have by no means reached completion, and much of the money must still be raised. Other improvements to buildings are also planned.

If at all possible the Union and Residence will be built at the same time and incorporated into one general unit, probably with the Union facilities at the nucleus and the Residence either on floors above or in projecting wings from either side, or both.

The question arose as to whether the Union should be strictly for men, or whether facilities for both men and women should be included. There was a general agreement in which the student representatives entirely concurred, that it should provide common room facilities for both sexes, and at least a small dining room or cafeteria which would be available to both.

No agreement has yet been reached as to the most propitious site for this new addition to the University but several places are being considered by the committee in charge.

A.A.A. Plans Banquet

The A.A.A. held its second meeting of the new year Sunday, March 5, in the Forestry Library. It proved to be a short session, the main item being the awarding of this year's varsity hockey letters. The men who received them were: Dave Whittingham, Dale Wade, Jimmy Closs, Harold Skovmann, Jim Stuart and Reno Cyr.

The members decided to have a cabinet made in the equipment room of the gym in which all the equipment of the teams is to be stored, thereby lowering the possibility of theft. Rules regarding the handling of this equipment were formed.

The Association also decided to have the annual banquet after the Easter holidays, and a committee consisting of "Cec" Garland, chairman, "Boog" Young and Blake O'Brien were placed in charge.

Newman Club Meets

At a regular meeting of the Newman Club held last Sunday evening in St. Dunstan's Rectory, plans were made for the forthcoming banquet. The banquet is an annual affair held immediately after Easter and is the closing event of the term.

Ritchie, Fleming Elected

Wendell Ritchie and Doc Fleming carried off the honours in the Junior Election held Monday morning to elect class representatives to the S.R.C.

The vacancies were caused by the resignation of Gordon Simpson, and Lloyd Hewson.

Four nominees were up for election namely Ritchie, Fleming, Evans and Harrison.

Engineering Brunswickan Delayed

Printing of the "Engineering Brunswickan" was unavoidably delayed, when the photographic cuts could not be delivered by the engraver before Saturday. The presses started rolling early Tuesday however; the inside pages and then the outside printed, folded, stacked and rushed to you with the ink barely dry.

BLOOD DONORS

2nd Donation
Dick Sainsbury, Isadore Babb.
4th Donation
John McNair, Palmer Swales, Murray MacLean, John Busby, Walter Ross.
6th Donation
Dave Whittingham
7th Donation
Colin Ramsey
8th Donation
Bill Gamblin, Bill Horton.
9th Donation
Gerald Fletcher, Blake O'Brien.

The Inquiring Photographer

Our Inquiring Photographer has been on the loose lately, and presented above are a few of his "finds".

CYCLE SENIORS are depicted in their cave between bouts with their slide rules and vector diagrams. No more weekly dances, mmh?" said the Boss, so they're saving their strength for the Wassail. That's one time they won't be late for dinner.

CLETUS' THESIS is the subject of our second engaging still-life study. Sorry, it is not a still, but Zeke is still trying to find out what it is. Yes, Sonny, all the Senior Electricals are Supermen.

CAUGHT IN THE ACT was the secretary-treasurer about to descend into the second-story window of the Ladies Reading Room. Due to the failing light at that time, the object of his intentions remains in the dark. The $64 question: Why did he offer us six beers not to print this? Who was she? Is that soup on your tie?

CAUGHT IN THE DRAUGHT ing room were Barney and Baxter. Barney has taken a great interest in the night life of the student draughtsmen these days. Must be some reason. Miss Baxter when we axter said "Engineering is the course for me." And for anyone the course, of course.

PRESIDENT OF INSTITUTE TO VISIT CAMPUS

On April 19th, the U.N.B. Engineering Society expects to be honoured with a visit from the new President of the Engineering Institute of Canada, Mr. de Gaspe Beaubien.

Mr. Beaubien will be accompanied by the General Secretary, Mr. Austin Wright. A dinner will be held by the Saint John Branch on April 18th, at which the president will speak. The party will motor to Fredericton on April 19th where a luncheon is being planned for them. As many as possible of the student Engineers will be accomodated at this luncheon.

In the afternoon, an open meeting will be held in the Memorial Hall. Speeches will be made and a prize of $25 with a placque presented to the most enterprising Junior Engineer.

After this meeting the official party will be entertained at tea at the home of Professor E. O. Turner. After returning to Saint John, Mr. Beaubien and Mr. Wright will continue on to Halifax.

Mr. Beaubien is a graduate of McGill. He has spent some time as a consulting engineer, in which capacity he has served the cities of Montreal and Quebec. Since the outbreak of war, he has been engaged in many administrative activities. He has held the positions of both treasurer and vice-president of the Institute, and is sure to make an excellent President.

LUNCHEON SERVED BASKETBALL PLAYERS

Climaxing a busy and exciting week of Interscholastic Basketball, the University of New Brunswick held an informal luncheon for the visiting teams in the Arts Building, Saturday afternoon.

Players, coachers and manager of all the interscholastic teams were present at the luncheon, which served as a bang-up ending to the best Interscholastic Tournament.

The teams had had a gruelling week-end with many games packed into an exceedingly short space, and had turned in a star performance that will not soon be forgotten by all those who witnessed them.

Sandwiches and hot drinks were served to all the teams present by the U.N.B. co-eds, who seemed to enjoy their task to no little extent. At the close of the luncheon the weary but happy players wended their way down the Hill to return to schoolwork once again. All agreed the week had been a thrilling and exciting holiday from school work and a highlight in their high school athletic careers.

The luncheon was catered to by the Princess Grill.

KODAK SAFETY FILM