



"FLASH"

ENTER his home of sparks and arcs, and the character in overalls will greet you with tales of having amped in his pants, and the times he's been out sparking.

LET him know you're interested in his mad, gadgetry, however, and he'll swap you with tales of having amped 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 snazzy number. Making contacts is his business, and he can manage it with the minimum of resistance.

CONTRIVERS to grapple with the tiniest curves, his touch is reported to be electrifying, but seldom shocking.

THIS variety is expert at producing escalations, and carries an extremely high voltage, but is quite wary of high impedance pickups.

RADELY 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 duplex disintegrating sector slide rule that will solve anything, including the whereamigoingtoedatoneight 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 ape to an egg in nothing flat.

NOTHING of his pleasant pastures 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 to gleased lightning with differential equations, Essel fancies, and all phenomena of a stupor nature with compound curves, and being an ELECTRICIAN, he's a blinding flash of an Engineer.

MODERN SCIENCE MADE SIMPLER

Closing Report — Test 367C ETHYL COMPOUNDS

Introduction

Many methods may be found in chemical books for making ethyl compounds such as tetraethyl, 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 palmitate. One process in particular is effective, and description thereof will be given; but the operator should first check the preliminaries set forth below:

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 palmitate 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 palmitate too quickly. Too much heat and results in disastrous internal forces which lead the reaction in unpredictable directions. From this fault, some operators have been known to make ethyl amblylate. Others have made ethyl exsultate, ethyl detestate, ethyl vacate, ethyl rerrigate, and ethyl assassinate. On the other hand, if the operator is too gentle, he only makes ethyl cavillate, or he simply winds up with the unadulterated ethyl from which he started!

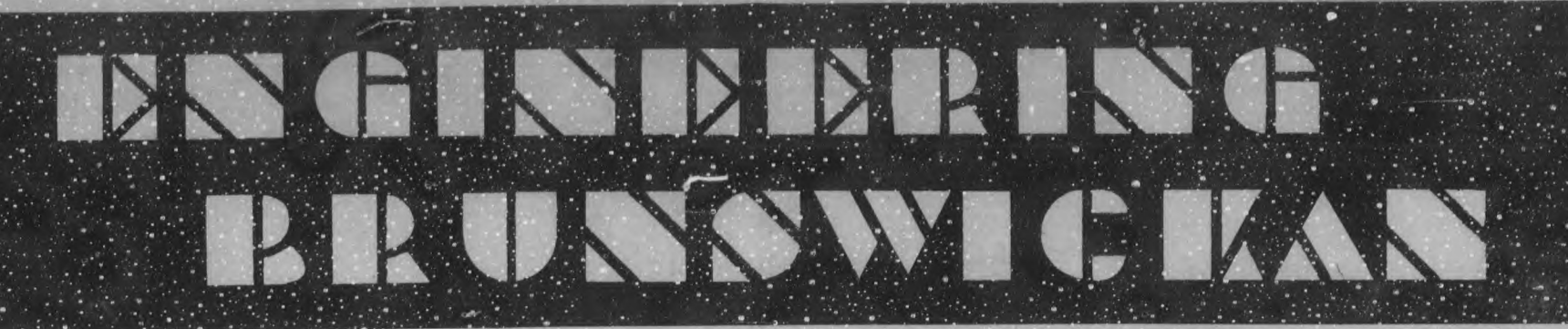
—QUEEN'S JOURNAL

President's Message

Two years have passed since the first edition of the Engineering Brunswickian was published, and we feel sure that this is the best yet. We would like to thank the engineers for their fine spirit of cooperation in putting out this issue. In particular we are 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 foe.

As graduation is approaching with a few 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.



Vol. 63 No. 19

FREDERICTON, N. B.

FRIDAY, MARCH 10th, 1914

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 intercollegiate basketball game on Friday evening, the Engineers cleared the floor and effected a remarkable 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. Eeone, and Prof. and Mrs. J. O. Dinson.

Credit for the success of the Hop must go to the following: Jack Turnbull, chairman, and Jim Belyea, Fred Davidson, committee members. Tickers, C. Duncan, Murray MacLean, Checkroom, Ed Graham, Ralph Brookes, Will Carlin, John Scott, Sec. 46, Lighting, Bill Gambin Sec. 44.

Mt. A., Acadia Win Debates

On Tuesday evening in the Forestry Building there was not little excitement and a good deal of audience when a certain section of the audience was asked to debate the proposition that the B.N.A. ought to be amended so as to permit the Canadian Federal Gov't to implement Social Legislation in the Provinces.

The Co-eds dropped a unanimous decision as the Mt. A. team of Allen Aston, captain and Irene Phinney defeated Kay Simcock and Dorcas Frith of U.N.B.; the result of the debate being that the B.N.A. ought to be amended so as to permit the Canadian Federal Gov't to implement Social Legislation in the Provinces.

To the powerful men's team from Acadia, with Haldyn Rynolds and Bill Scott, the U.N.B. team of Colin Ramsey and Roderic Mowat lost in a close decision of 12. The subject for this debate was the resolution that the British Commonwealth of Nations should adopt a common foreign policy. The chairman who presided and welcomed the visiting teams were, Frances Frith 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 Brunswickian. 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 it was formerly, 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 office 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 this was in view, 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, with all their knowledge, will have to work in such a large field to work in, that there must be some things the girls can do to help them out. The girls will have to take the place with a knowledge of engineering.

In the future, the girls along with the boys, who take up engineering, should be able to show what an important part they can play for the world.

H. J. B. '14

They called her Miss at 17. They called her Miss at 20. They called her Miss at 22. They must have liked a splinty.

Castle Hall Scene of Revels

Nine of wits 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 "Blinky" would be on hand to chaperone the other members of the faculty present, however he did not appear.

Catering was handled by the Princess Grill, and a chicken dinner was served for a hundred and eight watering (thunk?) 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. Tonils 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.

On hearing of the success attained at U. B. C. by the Science men out there in developing "EL STUFFO" — that drink that makes you stink? 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. McSorley, 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, "Hickie and Callaghan of our Horizontal Engineering Division, expect to have it in full operation in time for the Wassail."

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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 profitable site for this new addition to the University (but several) places are being considered by the committee in charge.

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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.

FLT-SGT. J. RICHARDS KILLED IN ACTION

The death in action of Flight-Sergeant James Richards, aged 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. Catalina bomber, he had been looking forward to resuming his commission in the near future.

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Civils Design "El Stuflo" Plant



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"SQUINT"

CAN you picture this type? Scar- low hat and knee-high boots, pipe that smells like a wet boot, shirt open to reveal a hairy chest, and complete wild beard, squint in one eye and a merry disposition. Rooms across the countryside and through impenetrable woods and jungles, dragging axes, chains, stakes and a rodman.

IN case you don't know it, that a instrument mounted on the plane table is called a transit. The magnifying power of the telescope reveals 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 be neither coffee nor bug oil. If it rains, he won't care—he'll just wet his moccasins, and keep right on going. Laying out curves and taking shots with the rod are his specialties, and since problems in hydraulics and flood control are also in his ken. When it comes to surveying a 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 scribbles 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 furniture store he stopped for.

BEST we give you an incomplete picture, this species can also be found indoors, drooling into a pipe over a draughting table, or scanning tables of earthwork calculations that mark the latest copy of Ziegler, Tracing, 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, it's a CIVIL, he's an Engineer of the First Water.

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

Mr. Beauharnois 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 accommodated 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 plaque presented to the most enterprising Junior Engineer.

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

Mr. Beauharnois 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.

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