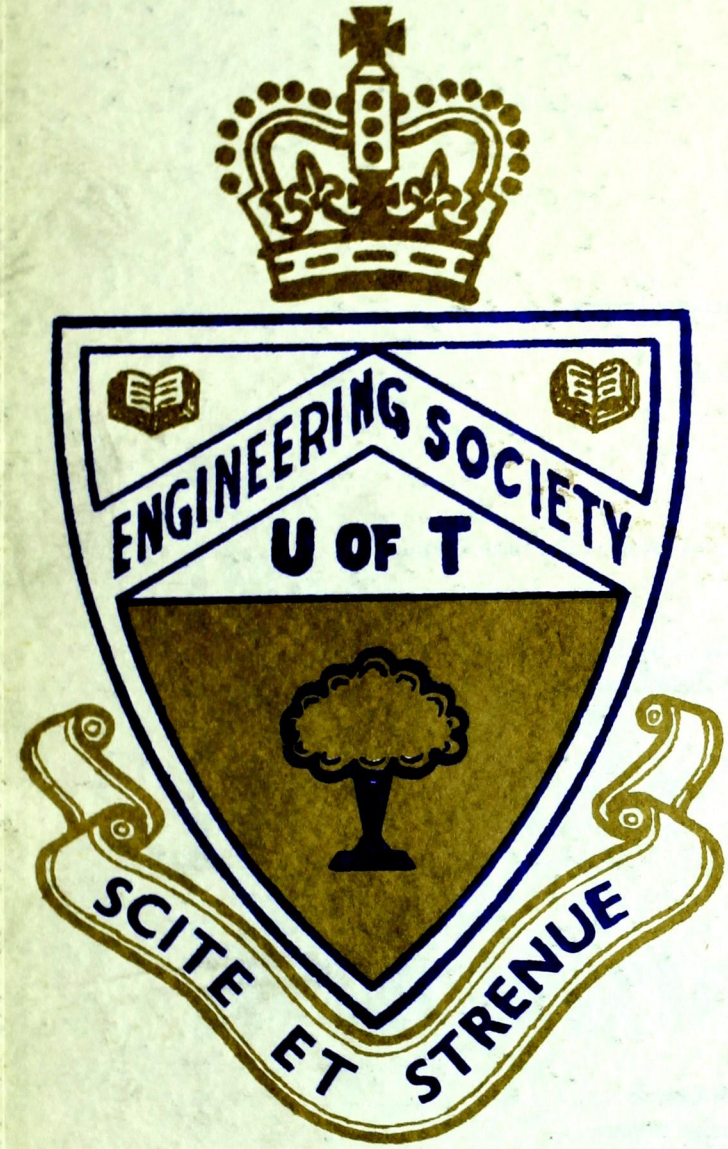
The U of T

Engineering Society

Presents



Skule

78/79

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SKULE 78/79

The Handbook and Guide to the Engineering Society

Edited by Douglas Chmara

Produced by Skule and the U of T Engineering Society

This book

is dedicated to Godiva

without whom

none of this would have been possible.

Skule 78-79 was produced by the U of T Engineering Society

Edited by Douglas Chmara
Ad sales were conducted variously by Educational Aids of Canada, a division of Septocorp, inc.
and Hackett Marketing Systems.
Typesetting was done at Eric S. Rosen Enterprises
Text is set in 9-pt. and 10-pt. Garamond 49
Titles are Stymie Extrabold and Egyptian Bold Condensed
Printing Done at Delta Web Graphics
Layout was done by
Jan Arkema,
Bill Mark,
Mike Nettleton,
Pete Noble,
Linda Smith and
Doug Chmara
Penguins trained and handled by Claudia Straka
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August, 1978.

The Engineer's Hymn

Godiva was a lady who through Coventry did ride,
To show to all the villagers her fine and lily-white hide.
The most observant villager, an Engineer of course,
Was the only one to notice that Godiva rode a horse.

Said she, "I've come a long, long way and I will go as far,
With the man who takes me from this horse and leads me to a bar."
The men who took her from her steed and stood her to a beer,
Were a blurry-eyed surveyor and a drunken Engineer.

Godiva was a lady well-endowed there was no doubt,
She never wore a stitch of clothes just wound her hair about.
The first man that made her was an Engineer of course,
And on just one beer an artsie queer made Godiva's horse.

My father was a miner from the Northern Malamute,
My mother was a mistress in a house of ill repute.
The last time that I saw them both these words rang in my ears,
"Get out of here you son of a bitch and join the Engineers".

An artsman and an Engineer once found a gallon can,
Said the artman,'Match me drink for drink, let's see if you're a man."
They drank three drinks, the artsman fell, his face was turning green,
But the Engineer drank on and said "It's only gasoline."

I happened once upon a girl whose eyes were full of fire,
Her physical endowments would have made your hands perspire.
To my surprise she told me that she never had been kissed,
Her boyfriend was a tired engineering scientist.

The army and the navy boys went out to have some fun,
Down to the local tavern where the fiery liquors run.
But all they found were empties, for the Engineers had come,
And traded all their instruments for gallon kegs of rum.

Sir Francis Drake and all his men set out for Calais Bay,
They'd heard the Spanish Rum fleet was headed that way.
But the Engineers had beat them by a night and half a day,
And though as tight as virgins, you still could hear them say...

On reading Kama Sutra, a guy learned position nine,
For proving masculinity, it truly was divine.
But then one day the girl rebelled and threw him on his rear,
For he was a feeble artsie and she was an Engineer.

Caesar set out for Egypt at the age of fifty-three,
But Cleopatra's blood was warm, her heart was young and free.
And every night when Julius said goodnight at three o'clock,
A Roman Engineer was waiting just around the block.

Venus is a statue made entirely out of stone,
There's not a fig leaf on her, she's as naked as a bone.
On noticing her arms were gone, an Engineer discoursed,
"The damn thing's busted concrete and it should be reinforced."

An Engineer once staggered in through the Roderick Gate,
He was carrying a load you would expect to ship by freight.
The only thing that kept him upright and on his course,
Was the boundary conditions and the coreolis force.

A maiden and an Engineer were sitting in a the park,
The Engineer was busy doing research after dark.
His scientific method was a marvel to observe,
While his right hand wrote the figures down, his left hand traced the curves.

My father peddles opium, my mother's on the dole,
My sister used to walk the street, but now she's on parole.
My brother runs a restaurant with bedrooms in the rear,
But they don't even speak to me 'cause I'm an Engineer.

Joe E. Skule's 100 but he has a heart of gold,
He gave the Meds his Skule house when it was 94 years old.
The meds were very grateful, but they have problems with precision,
For they use those T-squares and dividers for making their incisions.

Ace Towing roams the streets of Yorkville each and every night,
They tow the cars, and stow the cars and hide them out of sight;
They tryed to tow Godiva's Horse, the Engineers said "Hey!",
They towed away the towing truck, and now the Ace must pay.

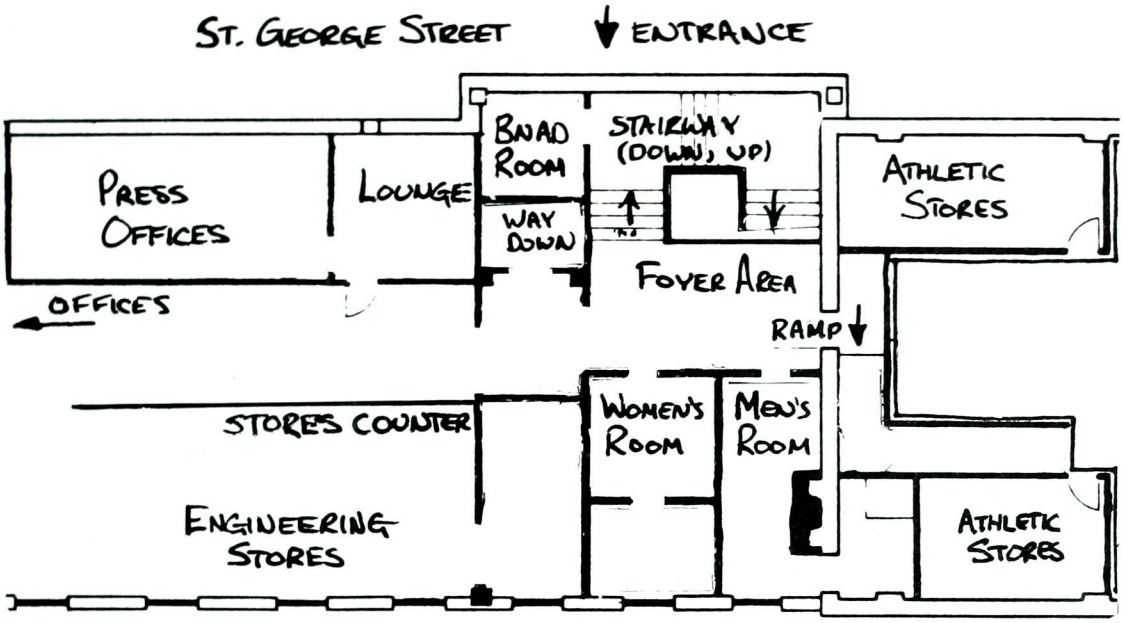
CHORUS:
We are, we are, we are, we are, we are the Engineers,
We can, we can, we can, we can demolish forty beers,
Drink rum, Drink rum, Drink rum, Drink rum, and come along with us,
For we don't give a damn for any damn man who don't give a damn for us!

— CANNON —

Toike Oike, Toike Oike, (SKULE YELL)
Ollum te chollum te chay,
School of Science, School of Science
Hurray,Hurray, Hurray.....

We are, we are, we are the Engineers,
We can, we can demolish forty beers,
Drink rum (straight), drink rum (straight), and come along with us,
For we don't give a damn for any damn man who don't give a damn for us !!!
YAAAY SKULE!!

How to Find the Engineering Society



Dean Etkin Reiterates

In choosing Toronto, you have selected a great university in which to study, with the widest diversity of programs, and with the finest collection of scholars, libraries and laboratories in the country. Although the presence of these scholars and facilities may not be very evident nor very important to you during your first year here, their significance for you will increase with each passing year.

As your own knowledge and skills develop, you will experience a need for deeper insights, more information and more sophisticated equipment, and you will make ever more use of our fine resources. The Faculty of Applied Science and Engineering upholds in every way the traditions of scholarship and excellence that are the hallmark of this University. You have made a good choice.

In choosing Engineering as your field of study, you have elected what many would now argue is the most relevant general education for our technological age; and the evidence shows that many who have studied in this faculty have not in fact pursued careers as professional engineers. On the basis of their education and training here, these graduates have moved on to a wide variety of other important and socially useful occupations. Nevertheless the emphasis in our programs is, as it must be, on the scientific, mathematical and engineering subjects that comprise the proper education for someone who wishes to pursue a career as a professional engineer.

Dean Bernard Etkin (seen here reaching for a demonstrative drumstick during his memorable "Let them eat chicken" speech concerning the new cafeteria), arguably the best dean the faculty has had in the last 6 months, is also very friendly. He is best approached in his office, Galbraith room 154, or by phone at 3131. If you do go and visit him (brave lad or lass you are), do *not* take him a bucket of chicken as an offering. He has it every night for dinner.

The acute problems faced by this country and the rest of the world with respect to energy, the environment, transportation, communication and resource depletion are not temporary. They will not go away if left unattended, but on the contrary will get worse. To tackle them and to solve them will require the application of the best human talent that can be brought to bear. Among those who will be needed in this task are men and women highly trained in the pure and applied sciences and in the arts of design and manufacture. Your programs of study in this Faculty are designed to prepare you to join that elite company of men and women and, together with others trained in the social sciences and humanities, to make your contribution to the betterment of society.

If you have the talent and the motivation to succeed in the demanding course of study that you are now undertaking, you will graduate with a highly respected degree and an opportunity to become a registered Professional Engineer. Engineering is one of the oldest and most honoured professions. Our predecessors built the pyramids of Egypt, the aquaducts of Rome, the bridges and waterways of Mediaeval times, the railroads and steamships of the Nineteenth century, and the electric power systems, airways and communication systems of the Twentieth.

As a Professional Engineer, you are likely to find yourself in a position of responsibility, in which the safety of structures, or the efficiency and performance of complex systems, or the impact of machines and processes on the people who interact with them, will be affected by the competence, integrity and sensitivity with which you carry out your work. These are the hallmarks of a professional, and you must start right now, at the very beginning of your engineering education, to recognize these facts, to acquire the necessary attitudes and to govern your personal conduct accordingly.

It goes without saying, on the matter of personal conduct, that it is absolutely beyond the pale to claim as your own, the work of another. Any work that you submit to the Faculty for grading and evaluation that purports to be your own, must be your own. That is not to say that there are not proper occasions for group effort, for there are; nor occasions when students should help one another and exchange ideas, for this is an important part of your education. However, where examinations, tests, or other graded work is concerned, that is explicitly required to be your own. It is a serious breach of our ethical code to copy, to cheat, to use the work of another student. I must inform you that, in recent years, when such transgressions have been discovered, they have been treated with the utmost severity.

Your first months here may prove to be a difficult and confusing period. That is normal. But with time, many of the things that are troubling you will sort themselves out. Do not hesitate to turn to a member of the staff or a senior student if you need advice, information or help. You will usually get a sympathetic reception. So, welcome to the company of Skulemen (Skule persons?) and may your years here be successful and enjoyable.

B. Etkin
Dean

Rob Yates Rebuts

To help expose you to the University, Engineering and life, Engineering students have formed the Engineering Society. We offer you the "other half" of your education. We're the oldest Engineering organization in Canada and our heritage is rich in all areas: technical, professional, spirit, sports, debate, nurses, capers and virtually all known human activities.

Maintain the link. Know your class reps ... you've got one for Eng. Soc. Council and one for Faculty Council. Better yet, be a class rep. The Eng. Soc. is not THEY, its US. By being here, you're a member. Take advantage of it; collectively, we can provide more services and have more fun than we could individually.

Visit our offices, feel free to call me or anyone else whose name appears in this book and come to any of our meetings, class rep or not.

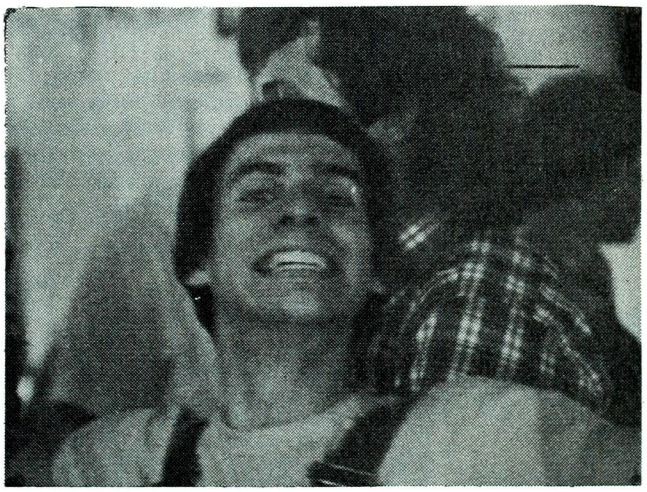
Have a good year!
Scite et strenue.
(Skillfully and vigourously)

Rob Yates 7T9
Engineering Society President.

The acquisition of knowledge is not the only aspect important in a University education. As situations arise in life, be they at home, at work, in the classroom, the lab, or a pub, your approach to them will be based on an analytical method developed from your past experience. A large University has, within walking distance, more styles of thought (not to mention more recreational and social opportunities) than any other comparably sized land area, and as your University experience becomes your past experience, your encounters here become the basis of your lifestyle. Only a small portion of a University education can be "taught"; the rest is acquired through your own initiative. It's been said that half of your education at University is derived outside the classroom. Those who "visit" the campus only to attend classes are wasting their time and the taxpayer's money. Spend some time here; we have a rich heritage and thousands of interesting people to meet. If you stop in at the many libraries, pubs, stores or cafeterias, if your role is more active, (at Hart House, at SAC, in a club or organization, in sports: football, basketball, swimming, track, or houseleague broomball), if you want to spectate or participate (sports, theatre, music concerts, debates, thesis presentations, speeches, politics), or if you just sit in a common room and work, you will be contributing to and aiding your education in a way not possible anywhere else.

Irrespective of background, experience and discipline, as an Engineer (in the "real world" that is), you will be primarily dealing with people. You'll be told what to do, you'll tell others what to do, you'll take advice, and give advice. This is a component of the "human factors" of Engineering and it's just as applicable in day-to-day life. It is also a component which cannot be "taught". Engineering in context of the University community lets you mature and gain insight in order to become a responsible professional.

"No man is an island", and the Engineer is no exception. If problem sets and other Engineers occupy your entire conscious time, you're not getting a good education even if you get 90% for it. (That's not to say you shouldn't try for 90% ... Engineering is hard work, we all know it, but time budgeting and priority decisions are also large areas of "untaught" Engineering).



Rob Yates has been making faces around the Engineering buildings for 3 years now, and following his narrow election victory last March, gets to make them out the window of the President's Office.

Strange as the concept may sound, if you should want to talk to Rob, his number in the Eng. Soc. Offices is 978-2917. Jan usually answers for him (Jan is the Engineering Society's secretary, pillar of continuity, part time analyst, and everybody's friend). Rob's home number is 921-8868.

Since he is the Society's representative on many outside committees, talking to Rob may save you a great deal of effort if someone else has already tried whatever it is you want to do but, of course, won't be allowed to do by somebody or other around this multiply-governed university.

Orientation Schedule

For the nth consecutive time, the Engineering Society has outdone itself in arranging a most gruelling schedule of events to show the F!rosh what it means to be an Engineer. Following is a list of the Orientation activities and what they'll mean to you (if you're a F!rosh and don't already know.)

Orientation Day
Sept. 5th

After registration, boring speeches, an LGMB concert, and the English Facility Test, F!rosh will find out what role Skule plays on campus. The activities planned include some general shit-disturbing at other colleges, a major encounter with SAC, a visit with Bill Davis, and to wind it up, a **free pub** to be held at DJ's Tavern.

Raids Night
Sept 7

More visits to other faculties, but this time they don't know we're coming unless they're smart and remember other years. Surprises are in store if you stay around for the whole time.

Massive Campus Roam-around
Surp 8

A night of walking, raiding, and don't forget drinking. The Engineering Society Frosh dance part of it will be in Hart House. All Engineering Frosh are expected to show up to it when the Hard Hat Beauty Contest is held once again. There is a free ticket in you Frosh kits. For more details, see the University Committee article on page 14.

Hart House Farm
Sept 9

It is an Engineering tradition for F!rosh and Upperclassmen to get together at Hart House Farm on the first weekend of Skule to do a little work, drink a lot of beer, swim and play feet(10 feet in diameter)ball. **All F!rosh will attend** or be put on the Scavenger Hunt list, or worse. Rob Yates claims he will not be thrown in the pond this year.

First Toike Makeup
Sept. 9

After the Farm, all descend on the Stores for the first Toike makeup of the year. Bring your ideas and tall tales. This is an excellent opportunity for F!rosh to learn early what graft, corruption and make-up food and drink are all about.

Orientation activities are only a start to the activities which will go on all year (with maybe a short pause for exams). Don't miss a single one (unless you want to pass, in which case miss only the ones just before a midterm).

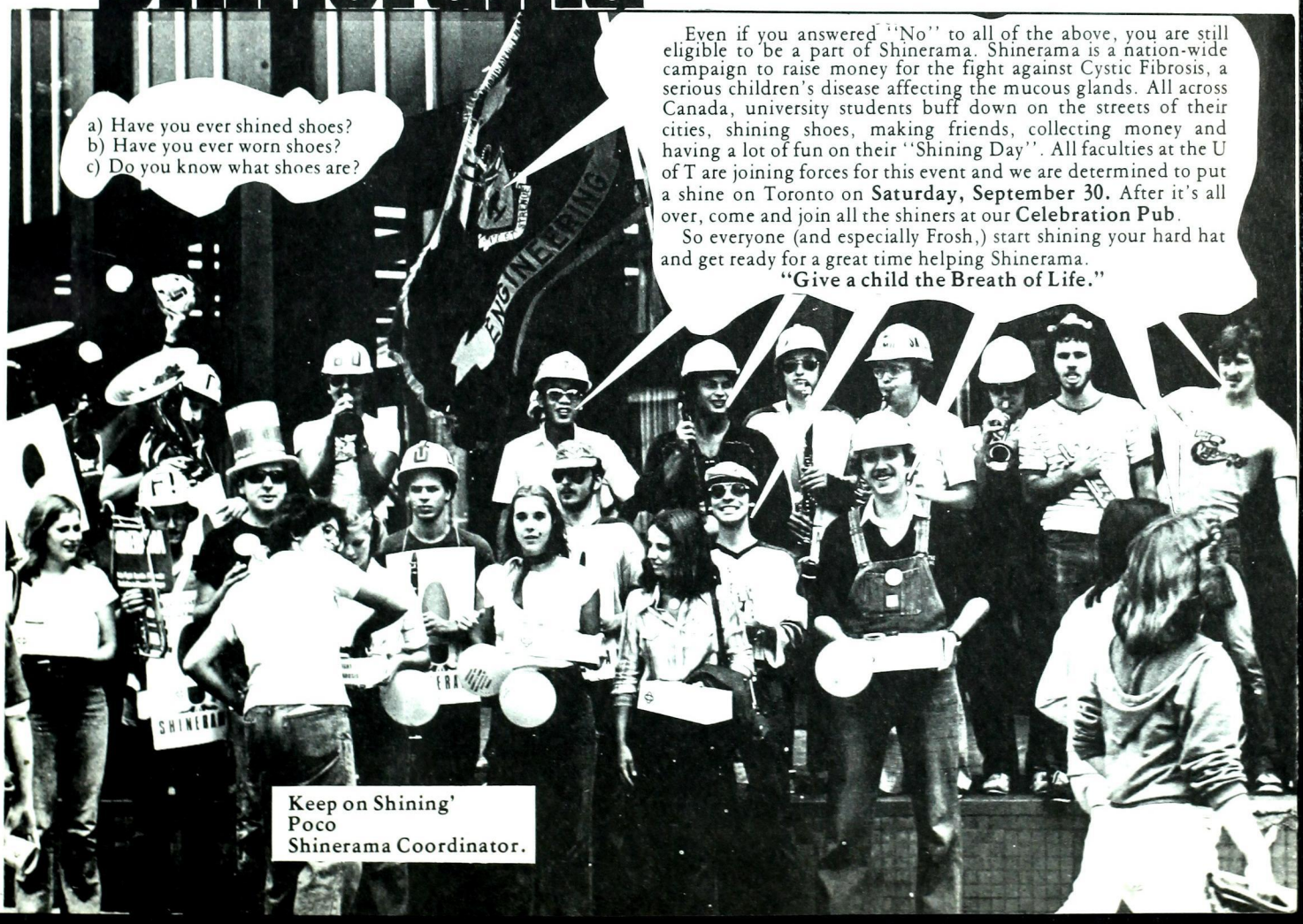
Shinerama

a) Have you ever shined shoes?
b) Have you ever worn shoes?
c) Do you know what shoes are?

Even if you answered "No" to all of the above, you are still eligible to be a part of Shinerama. Shinerama is a nation-wide campaign to raise money for the fight against Cystic Fibrosis, a serious children's disease affecting the mucous glands. All across Canada, university students buff down on the streets of their cities, shining shoes, making friends, collecting money and having a lot of fun on their "Shining Day". All faculties at the U of T are joining forces for this event and we are determined to put a shine on Toronto on **Saturday, September 30.** After it's all over, come and join all the shiners at our **Celebration Pub**.

So everyone (and especially Frosh,) start shining your hard hat and get ready for a great time helping Shinerama.

"Give a child the Breath of Life."



Keep on Shining'
Poco
Shinerama Coordinator.

The Long and Glorious History of the Engineering Society

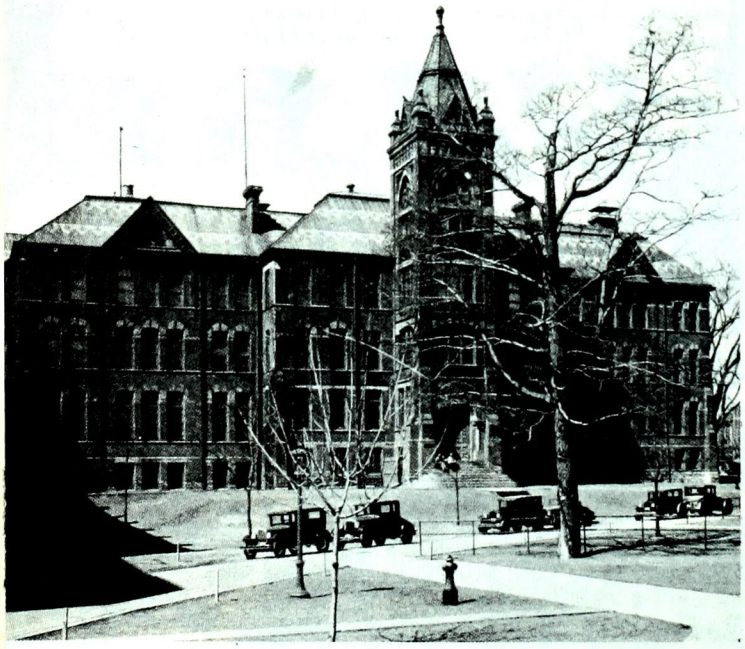
by Scott Ferguson

Former V.P. - Administrative

To start with, it is worth pointing out that Eng. Soc. is Canada's oldest engineering organization, having been formed in 1885, one year before the E.I.C. started up. Its first president was the then-Dean of Engineering, John Galbraith (named after the famous Engineering building) who held the office for three years. After him, the students took the job and the first undergraduate president was H. E. T. Haultain (also named after a famous building).

Originally Eng. Soc. was what is referred to as a "learned" society which had goals such as the encouragement of original research in engineering, the preservation of the results of the research, the dissemination of the results to its members, the cultivation of a spirit of mutual assistance and co-operation among its members in preparation for and in practice of the profession of engineering and to provide an official means of communication between the student body and the Faculty Council, the University authorities, and other student bodies. The latter two objectives weren't really dominant until after World War I.

There used to be regular meetings of students, graduates, staff members, and invited visitors at which technical papers were presented for discussion. In 1885 these papers were published in a pamphlet form called *Papers Read before the Engineering Society of S.P.S.* These and others became the start of the Engineering Society Library from which the Engineering Stores were to be born. Later these papers were renamed *The Transactions of the Engineering Society*.



By November, 1907, the name was *Applied Science*, and it was a full technical journal. By then the Society had grown from its original 35 members to 721. This journal ended in 1916, but the *Transactions of the Engineering Society* reappeared in 1920-21 along with the *Transactions and Yearbook of the Engineering Society*, which included a section on student activities.

These early beginnings fostered an atmosphere of co-operation between the staff and students of engineering. As early as the 1890's, through negotiation with the staff, the Eng. Soc. had permission to use regular class time to attend technical meetings of the Society, and to have marks assigned to papers presented there by students, and to have these marks considered in the determination of honour standing.

In 1888-89 the Engineering Stores (then called the Supply Department) began as a small room to house books, papers, and property of the Society. By 1891-92, it was selling drawing paper to students, and by 1908 it had a permanent secretary to buy and sell goods. Eventually it separated from the library and moved to room 19 of the SPS Building (the *"Little Red Skulehouse"*). Today it is in the Metro Library (3rd floor) and under student management, with a permanent sales staff (i.e., June).

In the late 1870's the Skule Yell began:

Toike Oike, Toike Oike
Ollum Te Chollum Te Chay
School of Science,
School of Science,
Hurray, Hurray, Hurray!

On November 25, 1905, the rest of this familiar yell came into being:

We are, we are,
we are the Engineers...

The Course Clubs as they now exist had gradual beginnings as the Society grew. Originally the course members would form debating clubs which eventually led to course clubs. The clubs are often associated with outside professional organizations, such as CSME, CSCE, IEEE, etc. The Eng. Soc. once sponsored a debating club which had intra-university and intra-year debates. Its members often joined the university debating teams and the clubs even used to offer the Eng. Soc. Cup for Skule's best speaker.

For a long time the Eng. Soc. has represented the student body's academic interests. It criticized the curriculum and staff long before students throughout the university became concerned with parity in governing the university. The Society's actions have been quiet but effective, as is attested to by the current representation of students on the Faculty Council.

The Eng. Soc. as you can now see has grown from a social sort of club to an active instrument of student government and representation, maintaining the strong links between the staff, students, and graduates of Skule.

The old Skule days were full of rivalry and capers. The freshmen used to have to wear distinctively coloured ties; Skulemen wore green, UC had white with red dots, and Theology wore black. Bags of "tie scalp" were coveted possessions on all sides of these rivalries.

Capers were taken much more lightly in those days, as is shown by records of water floods at UC, cows in the draughting rooms (from the Medsies), Cannon thefts, and so on.

Music has long been in the hearts of engineers. In 1901 there were student singing and instrumental groups. The *Toike-Oikestra*, formed in 1911, died at the first World War, and rose again in 1919. The *LGMB* is a relative newcomer, having been formed in 1948. Originally it had about a dozen core members but has been large as 250 at football games. Even the University's president, Sidney Smith, joined the bunch on occasion. The Lord Mayor of Coventry, England extended his formal greeting when he heard of the Band's formation. Today it is still its fun loving and merry-making self, now styled (from time to time) the "Triple Prize Winning LGMB".

Skule Nite had its beginnings in 1920 when the Eng. Soc. Executive appointed a committee to develop the growing interest in a Stunt Night. The first annual "*Ngynrs in SPSms*" was presented in Massey Hall on March 2, 1921 to an audience of 1343 people, with music provided by the Toike Oikestra. Nowadays they take place in Hart House Theatre for three-or four-day runs. Unfortunately Skule Nite production died in the 1960's, but it was reinstated in 1973 and continues strongly.

The *Toike Oike* made its debut during the Eng. Soc Elections of 1906. It also died during the First World War but was reborn in 1920 and has continued to this day.

The Chariot Races of today began as a part of an indoor festivity celebrating the Eng. Soc. Elections. The winners were awarded the *Jerry P. Potts Trophy* which still exists and is presented annually to this day. The contestants would balance on thunder pots with ropes on their handles. Today, of course, the chariots are somewhat larger and faster, and the riders more armoured.

So ends a brief summary of the history of Eng. Soc., as recorded in **Cold Iron and Lady Godiva**. You can see that it is a dynamic and ever changing organization which is run by and for students in Engineering. It's **your** society, so use it and support it.

Faculty Council

The Faculty Council is the highest academic governing body of the Faculty of Applied Science and Engineering. The Council is composed of all the professors and representatives from graduate students, alumni and undergraduates. The undergrad reps total 30, and at any particular meeting of Council may approach a majority. There also are student reps on almost all the committees of Council which deal with matters such as scholarships and awards, examinations, community affairs, undergraduate curriculum, teaching methods and resources, and there is an Ombudsman Committee.

Student representation exists in almost all matters that concern the Faculty's affairs, thus giving students a very strong voice. During the elections in the fall, be very careful about whom you elect as your class Faculty Council rep. They can be a very good vehicle for student concerns or they may have a detrimental effect.

The Faculty Council and its committees enforce the rules and regulations and originate new policies of the Faculty. Every undergrad should be aware of these. The promotion regulations for example, as outlined in the Calendar, are a very important item to familiarize yourself with, since they most directly affect you.

If you feel you have received unfair treatment according to some rule, any appropriate committee of Council may be petitioned to review your particular situation. If still not satisfied, you may appeal to the Ombudsman Committee of the Faculty. Don't forget, if you've run into a problem or have questions that need answers, talk to your prof about it or your department chairman or advisor; problems are best resolved at the source. The Faculty Secretary is also there and will advise you especially regarding petitions.

Most essential is to be aware that there **are** people out there who want to help. Don't be afraid to ask for it.

Ask your Faculty Council Rep. Ask the Executive Faculty Council Rep to the Engineering Society, Angela Iannuzziello - just drop in at the Engineering Stores and ask for her.

English Facility Testing

The Faculty has devised, in its great wisdom, one of the most appropriate and uncomfortable welcomes to undergraduate freshmen ever devised: the **English Facility Test**. What better way to be welcomed to your first day at university than by a test. Don't laugh, people, but cry, because there will be many more in your four years here, or is it five, or six, or....

The question here is why did all you dumb frosh have to write an English Facility Test?

The reasons for having to write are easy. English facility is a prerequisite to engineering undergraduate studies at this University. Inasmuch as there is yet no feasible mechanism for screening all applicants, students with inadequate English aptitude will be admitted and consequently, as a temporary measure, post-admission testing is being conducted.

Okay, so that's why you have to write one. What happens if you flunk it?

This aspect of this whole exercise is turning into an administrative and bureaucratic nightmare. The course of action that was decided upon by the Faculty Council on Feb. 10 of this year as excerpted from Report 2770 was:

"That those students who obtain an unsatifactory result in the EFT be required to complete successfully an appropriate non-credit remedial English course prior to entering the Fourth Year. Students in the category who have not successfully completed a remedial English course must be enrolled in one as a condition of registration in the faculty."

In other words you would have been required to take remedial courses until you passed the test, even if it took you till Fourth Year. No, that's what they would have wanted to happen. This was the Faculty Council's ideal solution to a problem it should have never had to deal with.

Here's where things began to get interesting. The Faculty Council specified that the remedial courses were to be non-credit, and not run by the Faculty of Engineering. It was felt that this was a university-wide problem, not just an Engineering one. As such the cost of these remedial courses was to be borne by the University as a whole and not by the Faculty of Applied Science on its lonesome.

Yes, you guessed it. The University wouldn't cough up the $8,000 necessary to carry out the program. Now this happens in July. Panic descends. There is no way Report 2770 can be implemented without the money. What to do?

It was decided at a Faculty Council executive meeting later in July, as a stop-gap measure, to implement an alternative arrangement for remedial instruction based on the arrangements that existed before the adoption of Report 2770 and in typical Faculty Council mumbo jumbo call it *"the modified 'status quo' arrangement"*.

That gem is outlined below:

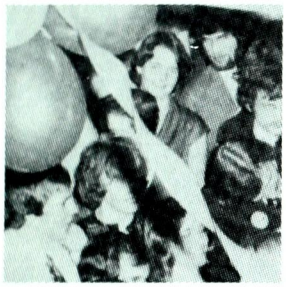
'Students whose essays are rated as "Unacceptable" will be streamed into 3 levels, according to the degree of remedial action indicated [see below]. Students should note that the remedial action may include a requirement to take a non-credit course in addition to the regular academic course load.
***Level 1** — A single term English course offered by the Department of English [ENG prefix].*
***Level 2** — A single term English-as-a-Second-Language course offered by the School of Continuing Studies [ESL prefix].*
***Level 3** — A full year English-as-a-Second-Language course offered by the School of Continuing Studies [ESL prefix].*
Students who fail to write the EFT on Orientation Day as required will be channeled administratively into either Level 1 or 3."

So this takes care of this years' batch of dumb frosh, however the set-up is totally unacceptable, and because of the administrative nightmare involved it will probably be unworkable to boot.

The issue is far from dead so expect to hear about it during the course of the year. Faculty Council will have its hands full. I'll bet you thought Engineering was just numbers.

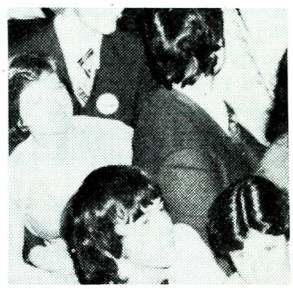
Standing Committees of the Engineering Society

Social Committee



The Social Committee is responsible for organizing and bringing off the best events on campus. Cannonball, held in January, the car rally and whatever other events end up being held are organized by **Nancy Brown**, Social Comittee chairman, who, it is rumoured, is prepared to run a celebration at the drop of a hard hat, and any interested members of her committee.

Enthusiastic and widespread active support cannot help but make this year's social season more successful and more fun than ever, so it is up to you. A Committee chairman can only do so much. It is up to the rest of the Society to fill the committee with enough of the right people to produce first-class events.



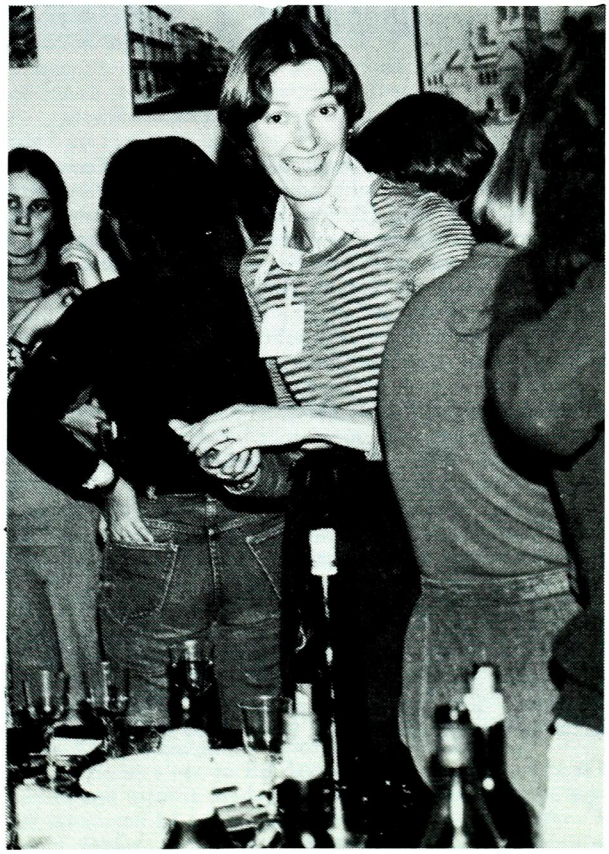
Women's Committee

In response to the faint but unmistakable ripple (or should it be wave?) women are making in the traditionally male-dominated engineering profession, the Women's Committee has once again risen In response to the faint but unmistakable ripple (or should it be wave?) women are making in the traditionally male-dominated engineering profession, the Women's Committee has once again risen to active duty. How else to ward off the throngs of avaricious, slavering he-men, starved for female companionship?

With the fall comes a **Wine and Cheese Orgy** of such proportions that the average period of recovery is no less than 72 hours, and, even then, complete restoration to previous condition cannot be guaranteed. The **Spring Binge** is comprised of dinner and more gratis wine, again wreaking havoc on the lives of those courageous enough to participate. In the intervening months, guest speakers and informal get-togethers will fill the programme.

What, dare you ask, is the purpose for all this mind-boggling activity? Firstly, it hastens the process of orientation for the first-year novices and prepares them for exposure to the hectic life in the Engineering Faculty. Secondly, it provides an outlet for all Women In Engineering, ranging from the historic Wine and Cheese Binge to the more sedate option of writing articles for the newly-formed *"Cannon"*, to simply meeting and talking to others of the same persuasion.

With all these advantages, it is no wonder scores of male engineers are donning their "Klinger" outfits in a vain attempt to infiltrate the ranks of the Women's Committee.



University Committee

SAC Sucks

Some of SAC Sucks, Some of it Doesn't

If SAC seems sucky, it is probably because under normal conditions, the only way you would ever hear about it is through its sucky rag, the Varsity. Believe it or not, part of its editorial policy is to create a "militant student movement" on campus. So far, it has failed miserably. Anyway, you will note that it is the most available paper on campus. Only read the Varsity if you're desperate for something to do.

SAC gets more involved in politics than sometimes seems necessary. However, some of its political efforts are worthwhile. Its external commission is fighting tooth and nail against cutbacks and for your right to rip off OSAP, and if you happen to be an underprivileged tuberous root plant and feel that discrimination is keeping you out of medical school, its Internal Commission will do all it can to get you in.

On Tuesday, September 12, the External Commission, (through SAC Services) is holding a free **Soup Kitchen** in front of Hart House. You can drink the soup straight, but take their commie socialist propaganda with a grain of salt.

The only other commission of great interest to Engineers is the Services Commission. This is a really worthwhile branch of SAC whose activities have been largely neglected due to its inability to advertise effectively. On Friday, September 9, it is sponsoring the **Orientation Roamaround**, where one ticket (in your Orientation Kit if you're a F!rosh, $2.00 if you're not) is good for a pile of dances being held simultaneously around campus. You can "Roamaround" to them all.

On Saturday, September 16, the first of the **SAC Free Films** will be shown in Med Sci Auditorium. These are free big name movies which Services puts on every 2-3 weeks throughout the year. The first one is "Looking for Mr. Goodbar".

On Sunday, September 17, SAC Services and Q-107 (a local rock FM station) will co-sponsor the **Comedy Bowl** in Convocation Hall.

Other SAC Services include **Dr. John's**, a weekly pub held Friday evenings in the UC refectory, and **SAC ski trips** in the winter, which offer you a day on the slopes for under $10. Keep an eye out for the colourful **"Campus Week" posters** which come out every second week to tell you what SAC Services is doing next.

If you have any further questions about SAC, make a note of them, along with where you can be reached and leave them in my mailbox in the Engineering Society Offices.

Jan Arkema

University Committee Chairman and SAC rep.

The Even Longer and Thus More Glorious History of the Skule Cannon

INTRODUCTION

Undoubtedly there comes a time in every Skuleman's life when someone asks him about the famous Skule Cannon. Probably the Skuleman cannot say much about the famous Skule Cannon. Possibly the Skuleman wonders why there **is** a famous Skule Cannon.

Therefore, we proudly present a short ***Compleat Historie of Ye Olde Skule Cannon.***

CHAPTER 1: YE REASON FOR BEING

Why, then, is there a cannon? The answer is quite simple. Engineers have always been associated with noise, so what better way than a cannon to symbolize Engineering? (A hydrogen bomb, obviously — but hydrogen bombs cost too much for the noise they make).

Since the time of William the Conqueror, the title 'Atillator' has been given to the man responsible for maintenance of defense works and weapons of war. The title was synonymous with Engineer and the word artillery was probably derived from it. The Atillator was responsible for the number of guns used, their storing, mounting, and protection. Therefore it is the duty of all engineers to protect the Cannon from the jealous hands of rival faculties, colleges and any other thieving perverts who would thus desecrate our everlasting pride and joy.

CHAPTER II: THE EARLY YEARS

The first cannons honoured with the title 'Skule Cannon' were those in front of Hart House. In 1929, an engineering caper resulted in the firing of one of the two. This, however, demonstrated only 50% efficiency as both cannons were supposed to blow.

In the early 30's another smaller 'cannon' would appear at Skule festivities and also roar, then mysteriously disappear. The authorities unsuccessfully attempted to track down this will-o-the-wisp. And in 1935, during a Slave Auction the cannon was fired on the steps of the Little Red Skulehouse with such force that windows were shattered. Once again it quickly disappeared.

In 1936, a machinist working in Civil Engineering was approached by some Engineering Society representatives who unofficially wanted to know if he would make them a cannon. Recognizing the considerable risk he was taking, but also realizing the dangers of students' experiments with explosives in water pipe, he decided to help. And so he fashioned a 10'' barrel with a 6'' bore from a piece of axle stock, and a base from a pillow block. All of this was accomplished in the four hours immediately preceding the Skule Dinner that evening. This secret too was well kept.

The design of this Cannon was a tribute to engineering technology for it was not only a devastating weapon but it was equipped with built-in camouflage. It did not look at all like a cannon, deceiving any would-be kidnappers.

This fearsome weapon was used up until 1950 except for a few times in between 1941 and 1943 when a yacht gun was borrowed (really) from a machinist in the basement of the old Engineering building.

Naturally the unimpeachable appearance and worth of the Cannon was irresistible temptation for anyone who gazed in its direction, but especially to the feeble-minded persons in other faculties.

In 1941, UC stole it, but it was instantly returned. And in 1944, UC again stole it. With cries of war and plans for the elimination of the nuisance at the north end of the circle once and for all, but lacking evidence to prove that UC had stolen it, SPS undertook a restrained campaign to regain possession. This ended up as a series of ads in the Artsman's Gazette (sometimes called the Varsity, often called something else).

Naturally this campaign was a failure, as would be any appeal to an artsman's honour. On Feb. 13, 1945, UC Lit announced that the Cannon would be returned at the annual Arts Ball. The Toike, in a fit of editorial passion called it a dastardly plot... a black infraction of civil property rights. The Varsity (unbiased as usual) said it was in keeping with the Good Neighbour policy.

However, the hiding place was discovered and the Cannon was forcibly retrieved by a group of intrepid engineers. The Arts Ball was naturally a failure.

The Cannon once again returned to its job of banging at dinners, auctions and little old ladies. Plans were made to have it sent to Japan to assist in the Allied effort. The '49 chariot races approached, and in a spirit of pre-race heckling, the Cannon wandered about destroying everything in its path.

When the first heat was called, an earth-shaking blast reminiscent of Hiroshima and Nagasaki devastated the ears of all. And then it happened.

1077 Meds and Premeds armed with scalpels, tear-gas, thigh-bones, trained white mice and a squadron of bomber pigeons attacked in a screaming mindless mob. The battle raged back and forth, to and fro, until, finally realizing that they were hopelessly outnumbered, the Meds sent for reinforcements. Then the bomber pigeons finally made their mark on the three engineers, and the Cannon disappeared into the Meds building.

Negotiations went on for days as the respective values of the Cannon and missing Meds Society president Bob Hetherington were calculated by a federally-appointed mediator. After a few days of debate, the Cannon was returned, marred with a new inscription which read, 'Captured by MEDS 5T2, 3 Feb. 1949.'

On Christmas Day, 1949, there appeared on the doorstep of the Engineering Society a beautiful new weapon, showing excellent workmanship and engraved 'Skule Cannon'. It seemed Santa had a close friend, a fine machinist who had been working for the Department of Civil Engineering for a long time. In 1950 the Engineering Society honoured W. H. Kubbinga with a scroll extolling his loyalty, courage, and good conduct and made him an Honorary Member in Ye Ancient and Honorable Company of Skule Cannoneers with the rank of Sergeant Artificer.

The barrel was machined from a cold-rolled steel bar and had a 2'' diameter, 11'' length, and 6'' bore. The carriage had wheels and was made from heavy steel. The Cannon weighed 20 lbs. Later on, the wheels and barrel were chrome plated.

One fall night in 1959, artsmen broke into the Engineering Store in an attempt to steal the Cannon. Believing that it was in a safe, they pushed the safe out a window and carried it away. However, their efforts were in vain and only the leniency of Skule kept them from enjoying an extended vacation (at government expense) in Kingston.

But where artsmen failed, Medsmen succeeded by deceit, as in 1959 the Meds once again made off with our precious tool.

To help publicize the blood campaign, the Skule Cannon appeared at the Blood Donors Clinic. It had been guaranteed safe conduct, so the Cannon was without its usual armed bodyguard and was attended by only two Skulemen. After a long battle the Medsmen overpowered the Skulemen and captured the Cannon.

We retaliated by kidnapping the Meds Society president. They retaliated by kidnapping an Engineer. We retaliated by kidnapping a Medsman, etc., etc. Finally when there were forty prisoners in the basement of the Sandford Fleming building the Engineers arranged an exchange of prisoners. As an added measure of security the Engineers invaded the Meds building, removed the cleaning staff, faculty and other debris, and boarded up the doors and windows. They waited. In the morning the Meds saw the light and returned the Cannon.

In their kindheartedness the Engineers gave the Medsmen a replica cannon, and they built a suitable trophy case for their prize. But in a masterful piece of Engineering subterfuge, this false cannon was removed from the case (without scratching the glass) and was promptly destroyed so that our Cannon was once again the only one on campus.

Sadly, in 1959, the score of battles finally took its toll and our faithful Cannon had to be fitted with a new barrel. The new barrel was machined from a stainless steel bar with a length of 12'', a diameter of 2'', and a 6'' bore. The barrel was initialled by Cannoneer Bill Riggs who also oversaw its construction.

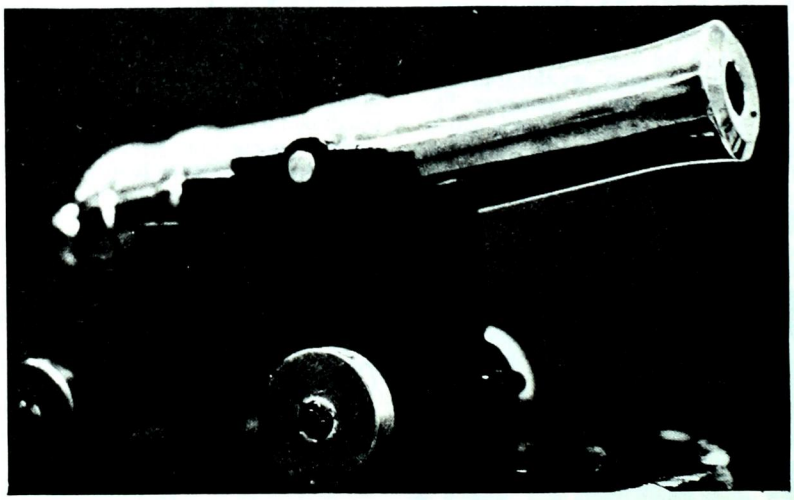
In honour of the many battles on which the Cannon accompanied us, the 1950 Cannon was immortalized by placing it in the cornerstone of the new Galbraith Building.

The new Cannon was formally fired for the first time on the front campus in the autumn of 1959 and many Engineers and ''others'' turned out to witness this spectacular event.

It was next used in conjunction with the L.G.M.B. when the Engineers literally stopped the Homecumming show for ten minutes while a presentation was made to an ex-Skuleman. Needless to say, the large crowd (consisting predominantly of Arts types) was green with envy at the bold spirit and prowess of the Engineers and managed no protest other than a few feeble boos.

In the same year, a group from the B.F.C. (with the Cannon) paid a complimentary visit to the Victoria College Scarlet & Gold Dance. The Middlehouse Four were rendering a tender ballad at the time the gun discharged, and they were literally stopped dead in the middle of a verse by the thunderous roar which shook Alumni Hall. The B.F.C. then scattered leaflets proclaiming Skule Nite and Cannon Ball.

Also in 1959 on the day of the ''At-Home'', beatnik and Varsity types sitting in the U.C.'s J.C.R. were blasted. But this time the Skulemen stayed for a complete ''Toike Oike'', a ''Beatnik Go Home'' and more leaflets.



In 1963, when John Adam was Cannoneer, the Cannon Guard was given uniforms for the first time, based on an idea of Dave Morrison's. The red-helmeted Cannon Guard came into existence.

Also in 1963 the Cannon was heard in the Great Hall of Hart House, after a brief period of non-use. It was also felt, as the dust and other debris that fell from the rafters attested.

On Sept. 23, 1964, the Cannon was fired in the Drill Hall at the Engineering Frosh Dance by Cannoneer Doug Macdonald. Linda Edwards, a nurse from Toronto General Hospital, was injured in the right arm by a piece of undisintegrated wadding from the cannon muzzle. She had been standing at least 25 feet from the Cannon compared with the recommended distance of 10-15 feet. She was taken to the hospital for treatment

Further activities with the cannon were banned at the Dean's request, pending a series of tests to be carried out by Prof. MacElhinney of the Chemical Engineering Department,to determine a safe new loading procedure. In October, a letter was received from a law firm stating that it was their intention to file suit to claim damages on behalf of Miss Edwards. At this point, all plans for testing or firing the Cannon were suspended indefinitely.

Late in October, permission was obtained from the Dean and Warden McCulley of Hart House to fire the Cannon in the Hart House quadrangle to be recorded for the L.G.M.B. record, with the stipulation that Prof. McElhinney be there to supervise. The Cannon was fired twice on this occasion with different amounts of wadding each time. Scatter and disintegration patterns for the wadding indicated that the old loading method had been relatively unsafe and that some new method must be devised.

Just after the start of the New Year, the tests were completed and a revised loading procedure was developed. Black powder, by virtue of its dependability and insensitivity to packing pressure, replaced smokeless powder.

Since no more had been heard from the lawyers, and Miss Edwards and her family said they had no intention of suing anybody, the Dean lifted the embargo and the Cannon was fired for the first time in the lower gallery of Hart House at the Lady Godiva Memorial Bash.

On the day of the Skule chariot race, the Cannon was fired in the foyer of the Victoria College library. A strong protest was lodged as there was a funeral in Alumni Hall at the time.

CHAPTER III: THE CANNON STEAL

1967 was the year of Canada's centennial, but more importantly it was the year of the most infamous cannon steal of all.

Capitalizing on a lapse in security, a slimy duo made their move. With nary a drop of blood the Cannon was no longer in our possession. But these bold perverts could not possibly be anything but engineers, as exhibited by their recklessness and fearlessness. And grads at that. Their identity should be kept secret, as we engineers are known the world over as kind and considerate beings who never carry a grudge. Joe E. Skule only knows what the world would do if it were to find out that Mike Chapelle was the leader, assisted by Howie White.

The Cannon then made its way to the British Isles and on its way brought sadness where there was joy, and misery where there was happiness.

But be not disheartened for our Cannon was on the road to rescue. For six brave Engineering grads took it upon themselves to restore the pride of Skule to its rightful owners. The foolhardy mugwumps who would thus castrate Skule by removing its sacred 12 inches were tracked down, all the way to UC (oy) in England.

Nightfall came. Don Munro (ex-bandleader and Eng.Soc. president) and Fraser Dunford stole into Chapelle's room. With nary another drop of blood, Skule had its manhood back.

And then it was off to Coventry to pay homage to Godiva. The statue of Godiva was adorned with an Engineering jacket and the gay Engineers (woo) made merry (Yes, a lovely girl) for they were overjoyed at the safe return of our blessed piece. But their partying was short-lived, for Chapelle followed them to Coventry to make one last attempt at regaining possession of the Cannon. How ever, the Skulemen outnumbered him and he backed off after some unpleasantness.

The Cannon was taken to Wales and from there back to Canada, but the Eng. Soc. wasn't interested in getting it back at the time. This was because they had had another Cannon built when they found out that the old one was stolen. Of course, the fact that an engineer stole the Cannon was very embarrassing and hence this whole theft was hushed up. The new Cannon was announced to the world to have been built in honour of Canada's centennial. In other words, Skule had two Cannons at once.

At any rate the barrel of the new Cannon was 11'' long and had a bore of 5''. The carriage was mahogany and was equipped with wheels. The barrel and wheels were chrome plated.

CHAPTER IV: THE MODERN ERA

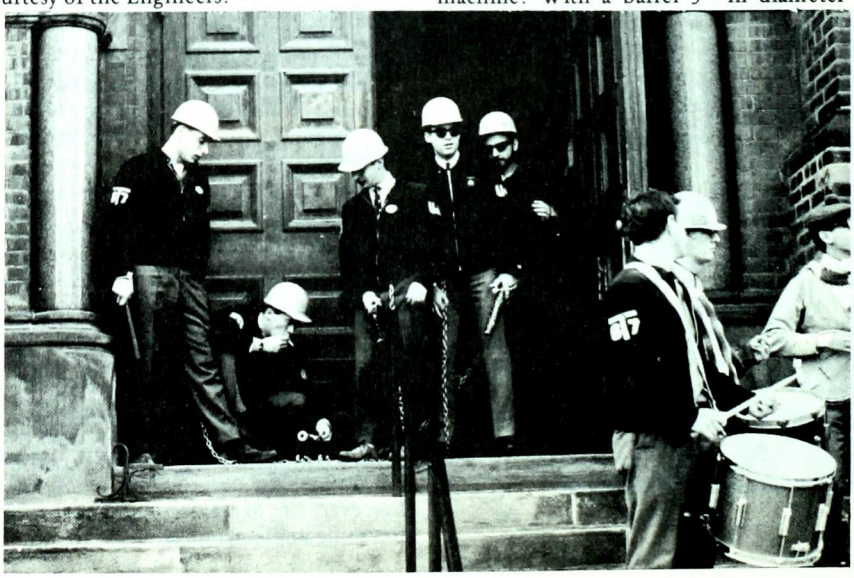
With a spanking new Cannon, Skulemen's spirits were given a much needed lift (le hic). But 'twas barely a year old when another attempt was made to snatch our banger. This time an Industrial Engineer was the squirrely-eyed worm. He was unsuccessful in his attempt and spent the next few weeks as a guest of a Toronto hospital, courtesy of the Engineers.

The '59 Cannon made a brief appearance at the 6T9 Cannon Ball where it was fired by John Adam (Cannoneer '63). The '59 Cannon was then reported to have formed the basis for the annual Skule Cannon Award. However, this was more fiction to cover up the '67 Cannongate.

The year of our Lord 1971 brought the first annual gangbang with the Ryerson engineers, to decide who had the better cannon. Needless to say, the Polytechs were sent scurrying home with their feet in their mouths. Not only did we annihilate them in the contest, but we stole their cannon and made off with their distributor wire to their bus.

With Skule's Centennial fast approaching, the Cannoneer decided that a new Cannon would be an ideal way to celebrate.

In great secrecy an emissary was sent down to Svart-alfa-heim (a kingdom below the earth where elves live) to commission Sindri (the creator of the mighty hammer of Thor) to machine the mightiest device ever imagined. With this task in mind Sindri stole the metal for the barrel from Thor's mighty underwear and the wood for the carriage from Thor's mighty platform shoes. From this he fashioned a most awesome machine. With a barrel 3'' in diameter and bore of 6'', this



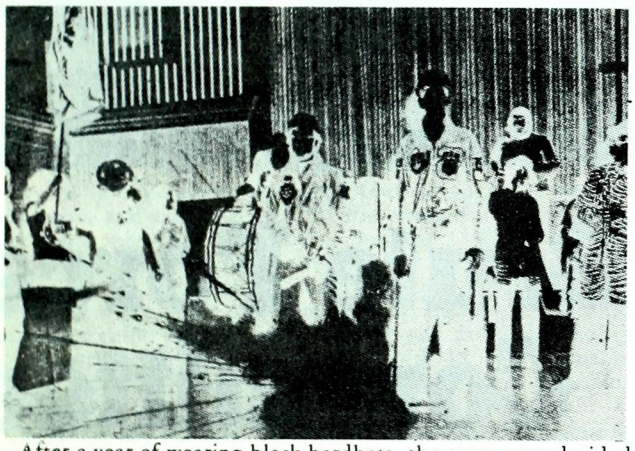
master work of the gunsmith's craft would easily strike fear into the heart of any mortal.

The formal firing of the marvellous weapon was at the 1973 Centennial Ball and on the third try it actually did. Dean Ham,(now president), fired the 1967 Cannon for the last time and was then presented with it in honour of his retirement from the Deanship.

The new Cannon has enjoyed a period of relative tranquility since its creation, except at a frosh dance when it was stolen (by the LGMB) to scare the Cannoneer (who had carelessly left it unguarded in the band room).

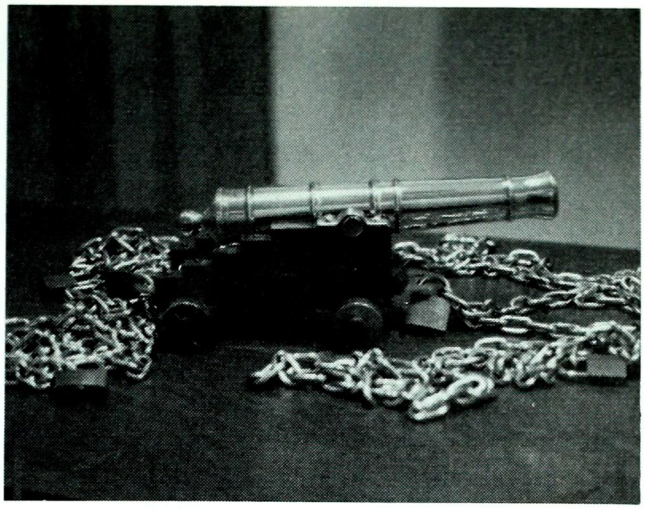
In 1976, the Cannoneer Robert Gilmour defaced the Cannon. John Vanneste, a former Cannoneer, was called from retirement to fire the Cannon at the Grad Ball, since Mr. Gilmour had refused to do so — at his own Grad Ball! The Cannon was found to be badly corroded and in need of cleaning. When the barrel was removed from the base, Gilmour's name was found chiseled into the bottom.

The Engineering Society Executive passed a motion of censure against Mr. Gilmour, and the entire deed was exposed in the Toike Oike. Furthermore, at Vanneste's suggestion the Cannon Guard wore black hard hats for a year to show the Engineers' displeasure.



After a year of wearing black hardhats, the cannoneer decided that the black should be continued instead of the traditional red. He purchased a set of black T-shirts (which have not been washed since) and has thus created the new image.

In 1978, Ryerson again made a feeble attempt at outdoing THE MIGHTY CANNON. A message was supposedly left at the Eng. Soc. offices informing us that Ryerson was not cumming because of the rain. It was only after a phone call informing them that we had declared ourselves winners because of the no-show that the boys from Ryerson decided to appear. It was on that rainy day that 200 U of T Engineers and 5 Politechs witnessed the second-ever gangbang. The judge from Ryerson, of course, fearlessly cast his support behind Ryerson's feeble imitation of our cannon and declared the contest a tie (the best he could do with a straight face under the circumstances.) The U. of T. judge unhesitatingly pronounced the mighty skule cannon superior.



And so the Skule Cannon demonstrated its superiority in yet another gangbang. Ryerson was let off easy. No one really was very interested in stealing the object of their audacity, and so they were allowed to return home with it intact.

CHAPTER V: CARE OF THE CANNON

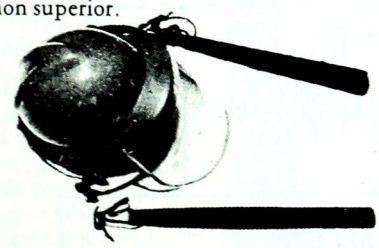
When Skule's first Cannon was created, a Cannoneer was appointed in keeping with age old tradition. This Cannoneer would be responsible for the selection of the Cannon Guards, making sure that the Cannon actually fired, and to do the actual firing. In addition to this he would have sole knowledge of the location of the Cannon when not in use.

As a matter of protocol, the Cannon is lit with a cigarette butt after a convenient number of verses of Godiva. For the firing, black powder is used, and finely divided asbestos is used as wadding. This type of wadding replaced toilet paper in 1964 after the injury to the nurse.

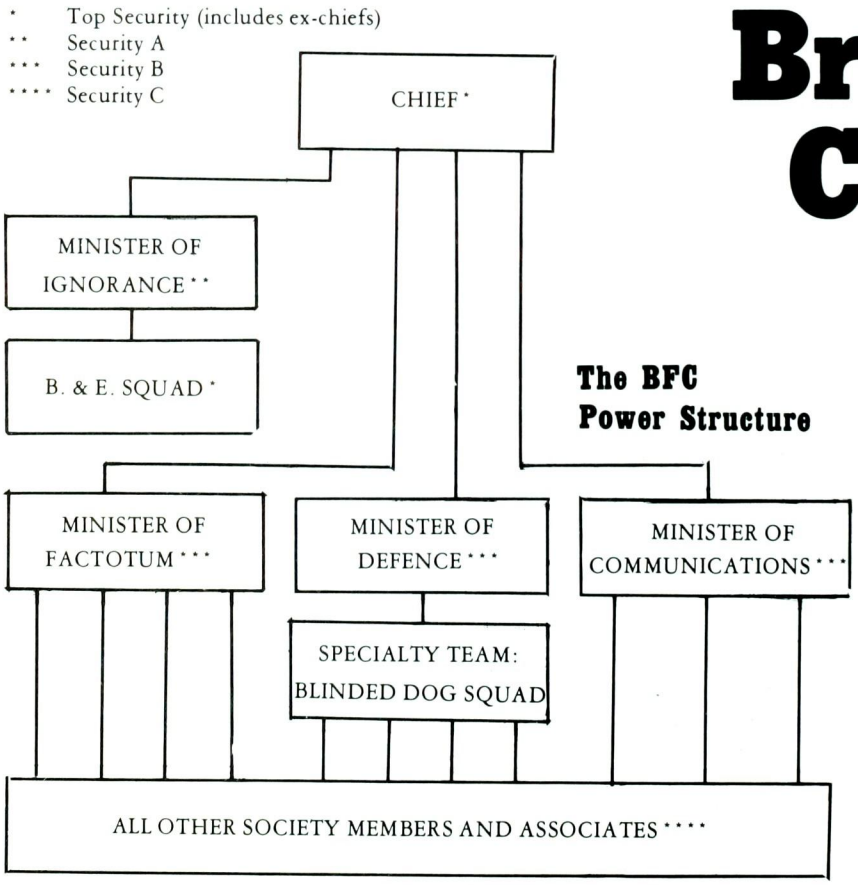
The Cannon Guards are the black-helmeted beings who are always chained to the Cannon. They are trained to kill at the slightest provocation, to eradicate any ideas about stealing the Cannon. A full Cannon Guard is numbered four, though during the Cannon duels with Ryerson sixteen were used.

In 1959 an artificer was appointed by the Engineering Society to inspect the Cannon, issue powder and in general look after the material needs of the Cannon. However, he was quietly forgotten and perhaps needs to be revived.

We have a Cannon which, by virtue of the material used in its construction from the tip of its shiny brass barrel to its walnut chassis, will endure as long as Skule exists. Hopefully it will never leave us, and it need not, if caution, brute force and devious means are employed whenever it is used.



Brute Force Committee



The BFC Power Structure

The infamous Brute Force Committee is a mythical organization which does not exist, never has existed and never will exist. All Engineers are members of the B.F.C. after initiation at Hart House Farm and are thus elegible to participate in all B.F.C. activities (sex, booze, shit disturbing, booze, sex and generally a good time was had by all).

The annual B.F.C. recruitment program will be in effect during the first week of Skule, including a full scale meeting (all members welcome, F!rosh too) Sept. 7, where applications for all positions (see chart) except chief will be received by the CHIEF.

If you're interested in conquering some of the greatest challenges facing mankind having a great time, then cum to the B.F.C. meeting Sept. 7.

Chris Webber, da'CHIEF

Join the Band

Contrary to what you may have been misled into thinking by other pages of the book, the most important thing the Engineering Society does is provide a home base, some moral support, and a large number of performance opportunities to the Lady Godiva Memorial Band. The Bnad, (or the Band as they are sometimes affectionately known) is a mellifluous if somewhat malodorous collection of engineers, students of other faculties and rubbies off the street who feel that a regular offering of music and Mary-making (Mary's a lovely girl) are as/more important to university life as/than assignments tests and exams.

Despite the band's membership being open to anyone and everyone (all cummers), in general few but engineers seem to appreciate and take advantage of the wonderful opportunities the band opens up. Perhaps it is just that, having heard of engineers' reputation, most other students are unwilling to risk venturing into the campus' southwest corner. While we could assure them that those who were only coming down to join the band (and could prove it) would be dealt with fairly, it probably isn't worth the effort, and besides, with so many benefits available to band members, it's tempting to keep them for engineers.

What are the benefits, you ask? Well, the band is a fixture at all engineering events, pubs, capers and orgies, with admission, and often refreshments, being provided free. Frosh at Hart House Farm would be well advised to join the band in their first, and in many years, the only, practice of the year, at which the old standard songs will be imparted to another generation of aspiring Jim Burpees.

In addition, as the University's only officially-unofficial band, we attend all home football and hockey games, and have been in great demand by the organizers of other university-oriented activities, including fund-raising drives, games of other teams, official openings, free breakfasts, and dome paintings. These, of course, we attend only if and when it suits us, and if the bribes for showing up are sufficient. In the course of the year, these add up to a large number of events and it's a rare band member who is able to make it to all. As some events will invariably be scheduled during one of your midterms or the day after you have devoted two all-nighters in a row to that computer program worth 50%, we don't expect full attendance. In fact, with turnouts fluctuating in the past few years between three (probably a record low, since any fewer are called a duet, not a band) and fifty, depending on the nature of the event, its timing, and the number of freebies thrown in, the band rarely, if ever, sounds the same from one performance to the next.

But what kind of a band is it, and what music do we play? That depends on you. While there are a few old standards that we try to instill into all new band members, the rest of our extensive repertoire changes almost constantly. The band will at least attempt to pick up by ear almost anything that anyone there can get started, so most appearances will include a little Beethoven, more Beatles, some stuff in between and some that isn't.

The band doesn't discriminate against types of music, or instruments, except that, if you can't carry it, it will probably be hard to take to most events. No one's managed a piano yet, but last year we had an electric bass guitar for a while.

Musical expertise is not mandatory, but a working knowledge of any instrument will increase your enjoyment of the Bnad's activities. If you can't play anything though, we can find you something to do.

If you're worried about taking a valuable instrument into a crowded football stadium, or are without an instrument, the band will subsidize the renting of an instrument.

Now you have no excuse for not joining the Band. You know it exists, and you know you are welcome, so drop up to the bandroom and get your name on the list on the door.

If you come at the right time, who knows, you may be able to join a band-leader in a cold beer, for the first of many times during the year, if you keep showing up. To avoid inconvenience to those attempting to get to the Engineering Stores please form the line-up for Band membership down the stairs from Room 341 in the Metro Library and stay close to the wall.

See you soon.

The almost as long and glorious History of the Band

During the Second World War there was a munitions plant at Ajax; in fact the plant pretty well **was** Ajax. After the war ended, the University of Toronto used the shell-filling plant for a few years for teaching engineering, to ease the congestion caused by sudden post-war increase in enrollment, and the barracks served as residences for Engineering students. In the fall of 1948, Engineering returned to the St. George campus and probably sometime during the '48-'49 Skule year the now world-famous Lady Godiva Memorial Band came into existence.

A.J.Paul LaPrairie (Mining Eng. 5T0) served six years overseas with the Irish Regiment of Canada, and in spending two years taking classes at Ajax among many other veterans, came to the conclusion a 'regimental' band was in order. Being the Direktor of Kultural Aktivities (an executive position in the Engineering Society — the present day equivalent in terms of function would seem to be a cross between Blue and Gold Chairman and BFC Chief) he undertook the founding of the Band. Through his contacts in the Irish Regiment he acquired the necessary accoutrements of any self-respecting world-famous band. Scrounging through Fort York, the University Avenue Armouries and the Sally Ann at Church and King Streets turned up a collection of Irish regiments' tunics, some pith helmets, six Dragoon's brass helmets, a drummer's leopard skin, two tenor snare drums, and most important, a bass drum with one head (the open side was used to stockpile beer while "on parade" — a modification which might well be worth considering for the present, in my estimation).

The actual date when the Band started is somewhat vague due to conflicting sources of information, but it seems to have been sometime during the calendar year 1949; which Skule year, '48-'49 or '49-'50, is at present still uncertain — '49-'50 seems to be more likely since they are first pictured in the 5T0 Yearbook, although Paul LaPrairie says it was the fall of 1948. In any event, the first rehearsal fielded about a dozen people from all years consisting of trumpets, trombones, saxophones, clarinets, one flute, two snare drums, and the bass drum (sounds disarmingly familiar) — a 'motley' group at best. During the second practise it was discovered that LaPrairie could not read music, and he was demoted (or promoted perhaps) to bass drummer, and Tom Kenny became "Captain" for the '49-'50 Skule year.

The name of the Band was devised at a group think session. Ideas were batted around and Lady Godiva Band was agreed upon. Bill Walker (later President of the Engineering Society) suggested the 'Memorial' part, and so it was. The Band was even recognized in a letter from the Lord-Mayor of Coventry. Other early or original members of the Band were Leon La Prairie (Mining Geology 5T1) (this was Paul's brother — their father and his six sons, and one daughter all graduated from Mining Engineering and Mining Geology at U of T), Glen Weaver (Civil 5T2), Earl Scott (Mech 5T4), Don Urquart (Elec. 5T4), Bill Elliot (Mech 5T5), Jim Montgomery, and Dick Walker.

Leon La Prairie led the band in '50-'51 and Earl Scott led in '51-'52 and '52-'53. During Earl Scott's leadership, the Irish regimental tunics and pith helmets were running out, so old, gaudy clothes were taken to — a help since fights and dirty capers were frequent. Early capers and events were similar to those today: the Band performed in Skule Nites ('51-'52); raucous marches through U.C. and the Meds buildings during lectures were not unusual (not infrequent, at least); football games were a highlight where the LGMB competed aurally with the now defunct Blue and White marching band (the Blue and White's demise, incidentally, leaves the LGMB as the only band on campus which performs in any sort of official capacity — oh my!); the main bill of fare for the Band was performing noisy fanfares and such for events as the Chariot Race, the Slave Auction (rather unlike the Slave Auctions we are graced with nowadays), and when the Mighty Skule Cannon made an ap-

pearance anywhere.

Details of the Band's existence for the next decade or so are at present somewhat nebulous. After that period Don Monro was leader from '61-'62 to '65-'66 with Frank Dixon fronting for him in '63-'64 while he was President of the Engineering Society. The LGMB's first two LP records were produced by Don. The first was recorded live on November 30th, 1962, at the mighty Cannonball; it had to be re-recorded, however, when the tape machine broke. It was a financial success but otherwise a disaster. The second record was made in 1964 and was a musical success and a financial disaster. Fortunately the LGMBash was devised by Don and it made a fortune. The LGMBash has unfortunately fallen by the wayside, as have many similar events at the U of T. In 1965 the Band took first place for brass and reed bands in the Kiwanis Music Festival (played in Massey Hall!). Don says the Band was in trouble **all** the time with everybody. His last caper made headlines when the LGMB attended the opening of the Bloor-Danforth line of the Toronto Subway (I should point out here that it is a well established fact that no event in Toronto is official without the LGMB in attendance). Unfortunately the opening turned into a closing and the Engineering Society was fined several thousand dollars as a result. Being an easily identified group, the LGMB was liberally blamed, even though they had nothing really to do with the electrical shutdown of the system. The most they did was enter the system without paying, but after all — why should the official band for an occasion have to pay to participate? It is only recently that the Band has been allowed to ride on the subway — the TTC officials even let us include subway concerts as part of our annual season concert programme now.

Bob Bossin (now leader of the Whilom String band) was leader during the '66-'67 Skule year. Being enrolled in the Faculty of Music, Bossin was able to pad the Band with many ringers, although we don't view them as such now; the LGMB is much more the U of T's band now and membership is open to anyone. The third record was made by Bob (a quasi-centennial project) and it included another prize-winning performance recorded live at the 1967 Kiwanis Music Festival.

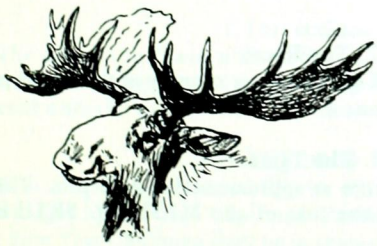
John Pullam led the Band during '67-'68, and the big highlight that year was a trip to EXPO 67 — they were even invited to be there (is nothing sacred?) The Band also made a movie that year (strictly Super-8).

More recently, Jim Burpee (Mech 7T8) led the Band in '74-'75 and again in '75-'76 along with John Loach (Mech 7T7). Jim revived the Band from a slump in popularity which bottomed in 1973 — particularly odd, since '73 was the Centennial year for Engineering at the University of Toronto. The Band's popularity boomed again and in 1976 the LGMB produced yet another prize-winning performance at the Kiwanis Music Festival with a band assembled for the occasion by John Loach (with a liberal sprinkling of John's friends in the Faculty of Music).

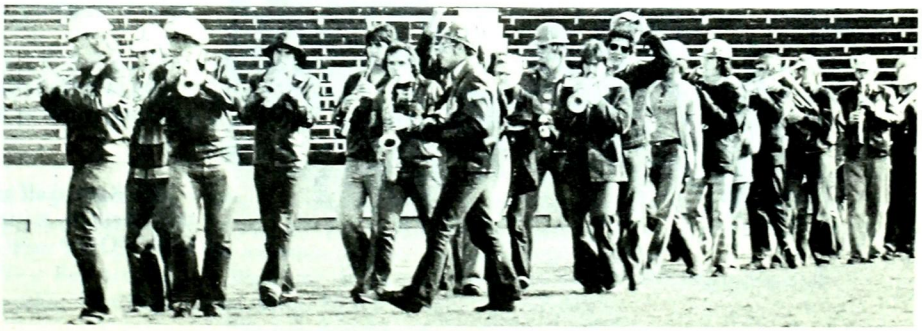
The Skule year '76-'77 saw Rob Yates and myself lead the Band through many memorable events, including the opening of the CN Tower, the opening of the Toronto Eaton Centre, and most important, the production of the fourth LP record. This record was released in September 1977 and is available at the Engineering Stores on the third floor of the Metro Library for only $4 (plug,plug!). Even (or maybe especially,) we are amazed by how good it is.

It should be rather obvious to the reader by now that there are huge gaps in this chronology. I have not omitted material; I simply do not have any more yet. For some inexplicable reason, getting old LGMBeers to talk about their days with the Band is like getting blood from a stone (or intelligence from an Artsman). If prodded enough though, they do give in. I'll stop on this note in the hopes that some ambitious soul will offer to take over from me through '78-79 which may still be the Band's 30th birthday!

Robert Ketchen (Mech 7T8)



Moose



The Rules of the World Championship Chariot Race

1. Chariot.

Each chariot will have:

(i) at least two accessible wheels attached to the chariot with no human contact ever, on the ground throughout the race from start to finish (minimum size of wheels is 6 (six) inches diameter).

(ii) no sharp protruding points or other objects dangerous to contestants i.e., cutting torches, barbed wire, electric shockers, guns, knives, bombs, etc.

(iii) no maximum weight limit. Minimum weight of chariot 30 (thirty) pounds (without driver).

(iv) human propulsion only (no gas motors, etc.).

At the start of the race, each chariot will be pointed out to its competitors by the judges. [*If you wonder why this rule exists or think it silly, you haven't been in enough chariot races.*]

Driver:

Driver must be:

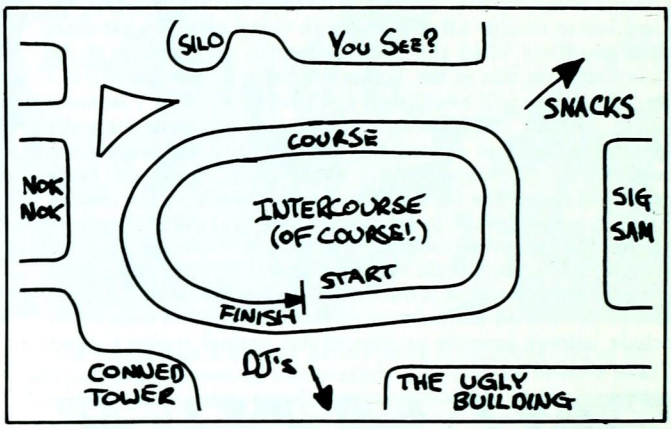
(a) human (male or female human); or

(b) a member of Engineering Science with an official student number at the University of Toronto.

Driver must be over 18 (eighteen) years of age, or under 17 (seventeen) and accompanied by an adult. Driver must be contained within the chariot throughout the entire race from start to finish. Driver may not propel himself or chariot during entire race from start to finish. Driver must be presented to judges before race by his club chairman or representative.

3. Pushers and Pullers:

Only 8 (eight) allowed. All must be human males and/or human females.



4. Blockers:

Offensive and defensive — no limit. All must be human males and/or human females.

5. Offence and Defence.

Rule 1(ii) applies to all contestants as well as chariots. It is hoped that contestants will abide by the intent of this rule, which is designed to prevent loss of life, limbs, eyes, masculinity (or femininity), etc.

Corollary: Anyone using axe-handles, knuckle-dusters, bike chains, etc. shall automatically bring the disqualification of his or her chariot. Blockers must not carry dangerous objects such as materials of metal, glass, wood, or plastic. Biodegradable materials (two years) such as eggs, tomatoes, watermelons are permissible. No aerosol cans may be carried by anyone during the race. No stink bombs, smoke bombs, flames, etc, may be used by contestants or attached onto chariots. All contestants are reminded to behave in a sportsmanlike or sportswomanlike manner (like in NHL Hockey games).

6. Course:

On the main campus between the lines joining the markers (refer to diagram).

7. The Race:

The race shall consist of one complete running of the course in a counterclockwise direction.

8. The Time:

The Race shall commence at approximately 12:45 p.m. The race shall be started by the roar of the **MIGHTY SKULE CANNON**.

9. Winner:

The first chariot crossing the finish line with at least two wheels attached to the chariot and touching the ground, and still capable of rotation, and a driver still breathing and as human as he or she was at the beginning of the race, will be declared the winner, if it meets the the following qualifications. To qualify to win, the chariot must:

(a) complete the course as laid out by the judges.

(b) cross the finish line with at least two rotating wheels attached to the chariot and touching the ground with no human contact or help.

(c) have a charioteer who has been contained in the chariot all the time it has been moving. A chariot without a charioteer must stop until it retrieves its charioteer. It may only retrieve charioteer by going backwards relative to course direction.

(d) the charioteer who has been contained in the chariot at the sound of the **MIGHTY SKULE CANNON** and who has been declared by the owners of the chariot as charioteer to the judges before the race, must be the charioteer at all times throughout all of the race, and when crossing the finish line set out by the judges.

(e) the charioteer may not move more than three feet on the ground or in the air if he or she is not contained in the chariot during the race between start and finish. For the charioteer to move any farther, he or she must be back into (his or her original position at the time of the start) the chariot.

10. The Prize:

The winning team shall receive the venerable *J.P.Potts Memorial Trophy* plus some other unknown prize.

11. Inspection:

The chariots shall assemble on front campus at 12:30 sharp for the inspection by the judges. Nothing can be added to or subtracted from the chariot after inspection.

11. Eligibility

Each course may enter one Chariot which must be presented to the judges by the Club Chairman. For the purposes of this rule, the First Year Chairman shall be in charge of the First Year Entry. (First Year can enter only one chariot). First Year Engineering Science will be considered to be in First Year rather than Eng. Sci. for the purposes of this section.

12. Disputes

The judges are hereby declared to be infallible. Consequently, all arguments shall be decided by the judges, whose decisions shall be final. (See *Rise and Fall of the Roman Umpire*).

13. Waivers

All blockers, pullers and charioteers must sign the waiver before the race. Anyone who refuses to sign and then races, does so at his own risk.

14. Apparel

All contestants should wear protective head gear.

15. Loans

All chariots stolen or otherwise removed shall be returned by 10:00 a.m. on the day of the race to their owners or the theiving team will be disqualified.

16. Judges

The judges consist of the Blue and Gold Chairman and two other persons chosen by the Blue and Gold Chairman. The judges must be fourth year students of the Faculty of Applied Science and Engineering at the University of Toronto and they must not be of the same course.

The judges can disqualify a chariot even if it finishes the race first, if it has broken any of the above set rules. The winner can be declared any time after the race, but before June 1978. Once the winner is declared, no change can be made.

The rules can be changed 48 hours before the beginning of the race, by the Blue and Gold Chairman only.

The judges will accept all bribes cheerfully.

Communications Committee

The Communications Committee chair has been vacant now for 8 months. We seem to have become used to being without one (although members of the Executive seem to like being stand-in Communications types until the novelty wears off) and the regular communications people don't usually let things go undone, even when something isn't their own responsibility. Anyway, most of the Communications Chairman's responsibilities have been reassigned.

The new Chairman, then will have to forge his own responsibilities. It is a position that needs a great deal of initiative this year. One more qualification - you must be a class representative, although not being one should not prevent you from letting an interest, even tentative, be shown.

One thing you will have to work with that no other chairman has — a ready-made core of a committee that is used to working together.

If you are interested in the job, let Rob Yates know (in person, or through Jan) in the Engineering Society Offices.

Moose ?

Yourbook

Just think, one of you lucky people leafing through this serendipitous publication will probably edit this year's yearbook. Oh, what fortune will have befallen this singularly bright and modest sole! It may as yet be not even a twinkle in one of his watery pools emanating life, but the call will come, and this is it.

Yes, any of you can do it, but it's really better for all of you to help out, either taking pictures, buying pizza for make-ups with Eng Soc money, laying out pictures in a somewhat flairful fashion ... frosh can test their drafting skill or sit in the editor's lap when she/he needs comforting. All very important tasks in the production of a quality yearbook.

The Frosh among you have yet to see such a compendium of Engineering events recorded indelibly in print (unless you've been bright enough to get a look at a past issue of one year or another at the Society offices (ML346) or in an upperclassman's/woman's room). You Frosh are very important in helping organize such publications, for there are many of you and numbers count ... the amount of work is truly staggering.

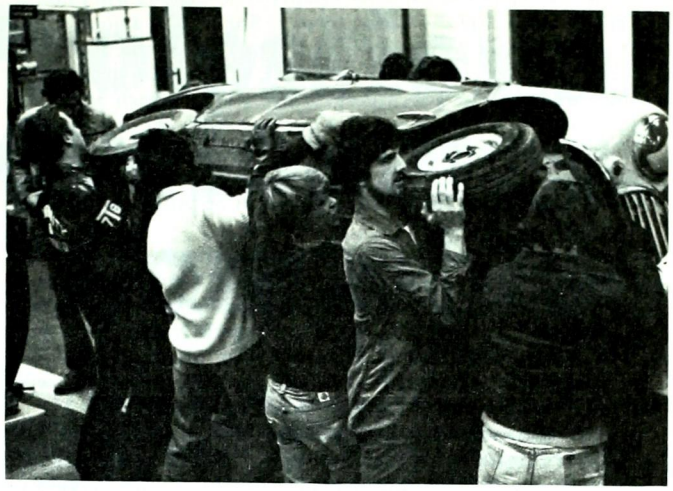
Upperclassmen's help is especially needed. In particular and most of all that of the graduating classes, since they run almost every event, and they are most interested in seeing the yearbook come out, and come out right.

Class of 7T9, it is you who will most want to see your grad photos (when you look back fifteen years from now) lying in the pages of a yearbook full of amusing thoughts and memories. Such a yearbook needs the tender loving care of every Engineer to nurture its development.

If any of you wish to help out please come up to the offices and talk to Jan (our secretary, helper, friend, advisor, etc.) or Rob (the Prez) or leave a note in the Yearbook slot in the pigeonholes near the back of the Soc offices. Here's hoping for a good year of events, none of which are statically indeterminant or the least bit reversible. Let the entropy fly.

Sneakey Pete,
Formerly overbooked yearbookie.

Follow The Yellow Brick Road



Once upon a time there was a mythical land called Skule. All the high school students in other, less developed lands dreamed constantly of being permitted to be citizens of this wonderful Land of Skule, but this dream was very difficult for all to achieve. Some of the students were not good enough for the mighty Land of Skule, and others just gave up and went to study in other, less practical lands; but the very best of all came to Skule.

In the land of Skule were wonderful things; a special Society for all the people in Skule; a group for all those who were athletically inclined; a Band of musicians who were known the world over; and classes offered by all the best professors (and some assorted riff raff from other lands who were permitted to give lessons now and then). In the midst of all this was the most wonderful attribute of all: the newspaper of the Land of Skule.

The name of the newspaper was Toike Oike (pronounced TOIKE OIKE), and the name was held in reverence throughout all the lands. People the world over, and some lucky high school students, read the Toike Oike with regularity (at least, as regularly as it was published). Other newspapers in other lands were not as well respected, and definitely not as well read.

All the people of Skule read the Toike Oike (which they affectionately called "the Toike") and were proud of it; but only a few helped to produce it. In fact, the numbers of helpers often dwindled so low that the Editors of the Toike (Editors are seen by some as something one better than Kings; by others as something much less than undesirable crud) were compelled to reach out to the other, lesser, lands for help.

Naturally, the plebeians of other lands were more than willing to be associated with the Toike, and, even more important, to see their names, pseudonyms, and jokes in print. They came in hordes and droves (and some in strait jackets) to the gatherings of Toike-type people. These gatherings (often classified as something wild, just short of a Roman orgy) were often very lucrative (ha, ha!); sometimes barely useful (ahem!) ... Well, they tried to produce the necessary copy to make up the paper, and hence were called make-ups. There is another reason for the name: after the make-up the Editors were often forced to frantically search for filler, to make up the rest (the majority?) of the paper.

Soon, the contents of the Toike began to stray away from the interests of the people of the Land of Skule, and more in the direction of hordes and droves (and slobbering wimps) who constantly attended the make-ups.

Through the years, such tales as this one have occurred time and again, in a veritable sine-curve of existence. This is really due to the responsibility and willingness of everyone to be involved; especially important, however, is to be involved in your first year: if you don't you likely never will be. (Not always true, but a good general rule).

or; What the Hell is Toto Barking at in that Field?

If you have a natural flair for writing, or have a productive (not constipated) imagination, or know how to activate a pencil; or if you have a natural cartooning talent, can handle graphic arts, or can barely draw; if you fit any classification at all, or even if you don't, then why not come out to a few Toike make-ups. Or even one.

We need everyone: typists (especially), semi-typists (almost as especially), jokers, keeners, and those who can spent an hour or so every third Thursday to deliver (yes! you may be the lucky one at the wheel of the van!). This year we will be doing all our own typesetting as well as layout, and we need lots of non-writing talent. Writing talent we need as well: if you're afraid to be seen contributing publically, you can leave material in one of the Toike boxes (in the Cafeteria, or the Eng. Soc. Office), with perfect anonymity. Don't be discouraged if you don't see a submission in print — we may have used it recently — but keep pouring them in!

So come on out and help with Toike. Who knows? Maybe some day you'll be the lucky one to achieve that pinnacle of social disdain, the publishing equivalent to halitosis (thanx, Dug), [*anytime, AWKFFTE*] the title of Toike Editor. Just don't tell your Mother.

Veni, Vidi, Scripti. (with the people, for the people, and by the people). Comprenez?

Mike P. Newttleton

T*iKE *iKE

Starting Off With A Bang

This year the *Toike* has a sister paper. The *Cannon* will publish each Thursday that the *Toike* doesn't. She will be a good-times paper, with a more news-oriented format than the *Toike*. In order to convey a feeling of what the world of Engineering is about, there will be a technical feature article in each of the 14 issues run throughout the year. News and views of energy supply and demand in the future, Canada's participation in the world of production, the APEO and what it does, new developments in various engineering fields, and more, will be printed within the *Cannon*.

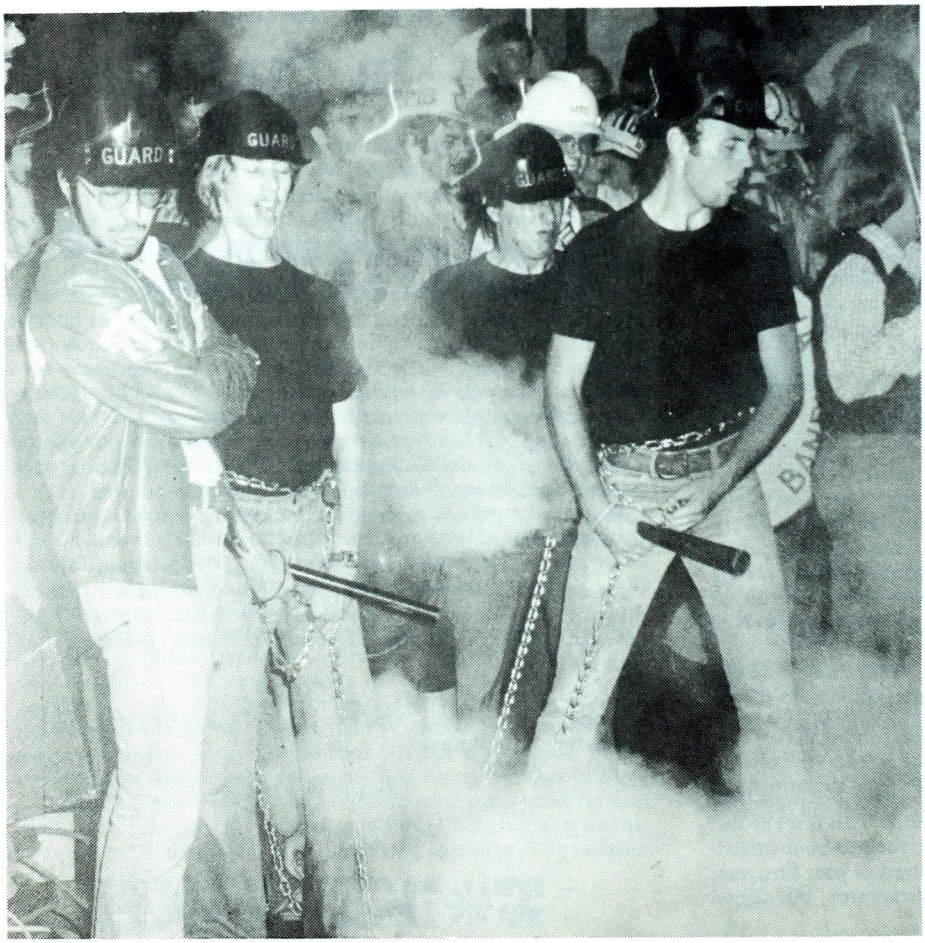
Along with technical material, Engineering sports features, standings and general team information will be included. There will be a classified ads section, (no charge), to buy, sell or trade that Triumph Bonneville for an SR-52 (Nowhere does it say that you can't use programmable motorcycles on midterms). Of course, Eng. Soc news will also take up space, and SAC will advertise their upcoming concerts, activities and all.

Yes the *Cannon* will be a really high calibre (sic) [*sic*] paper.

Because this is a new paper, there is a lot of new help required. And since you only go through this place once, and because a mark of 65% will get you the same job as a mark of 80% (watch out—any higher than 85% and the market really dwindles), spend some time journalizing. We share the Toike's office in the Metro Library, and the beer is free.

All submissions can be made in the *"Cannon"* mailbox in the library up on the third floor. Makeup announcements will be posted well before the first publication.

Dana Williams



Fourth Year Committee

The Fourth Year Committee has two main responsibilities. They organize the Grad Ball and the Kipling Ritual, both of which are of interest almost exclusively to 4th year students. Tim Taylor is the man to see about either of these.

First Year Council

Early in September, each F!rosh class will elect a representative for the Engineering Society. These class reps unite to form the First Year Council. They elect among themselves a First Year President who sits on the Engineering Society Executive (?).

During the school year, this Council is quite active. It must relay information to classes, promote Skule spirit and enthusiasm, and plan and support numerous Engineering events.

In past years, first year students have been involved in the Chariot Race, pubs, the Slave Auction, Oktoberfest, the Intercourse Competition at Cannonball, sports, and, of course, BFC Capers.

Last year, due to Constitutional uncertainty, the First Year Council never really got off the ground. But that certainly shouldn't stop you this year. It's time once again for the F!rosh to organize their own chariot, pubs, Capers, and orgies.

Professional Development Committee

The **Professional Development Committee** is responsible for co-ordinating the efforts of student technical societies and for maintaining relationships with professional organizations to promote the professional and educational development of the members of the Society.

Each year, delegates from the Society participate in national and provincial Student Conferences. In Sherbrooke, Quebec last January, the Congress of Canadian Engineering Students united Engineering Students from across Canada to discuss topics of both technical and non-technical interest. This year, the Conference will be held in Halifax, Nova Scotia.

Communication between the various Engineering Societies is facilitated by a national student newsletter which is compiled here, at the U of T.

Participation in the activities of the Professional Development Committee is open to everyone, so volunteer and take advantage of this year's opportunity to travel to the Maritimes, not to mention the parties, etc.

Ellen Rochman is this year's Chairman. She'll be approaching people as the conferences approach, but don't wait for her to come to you, especially if you haven't been involved before

The Engineering Stores

Your Little "Profit" Dealer

Hear ye, hear ye! The Stores Manager is about to speak. See the greatest knock-up of modern times! Against the laws of Economics, your dollar value rises before your very eyes! Buys beyond your wildest imaginings! Fantastic bargains galore! Free booze and sex (sometimes).

But enough of this high pressure salesmanship. What is the Stores? (Yes, that grammar was correct.) The Stores is a shop operated by your Eng. Soc with the purpose of making available items necessary for an engineering education at the lowest possible cost. It doesn't seem to do too badly at that, either. For those of you in First Year, we are the only source of texts for your Engineering core courses (non-technical courses aren't under our jurisdiction, unfortunately). We also carry a good selection of scientific calculators (at prices comparable to other people's sale prices), most Schaum's outlines to supplement your texts, drafting supplies for your graphics courses, and a long list of stationery to satisfy such diverse requirements as lab reports and letters home.

How much can one put down about the Stores? Oh, lots and lots, if you want to get really boring. So I'll continue. This year, the illustrious staff include myself, Ken Smith (the Manager), June Massie (our voluptuous and vivacious saleslady), and a small but distinguished force of part-timers and hangers-on. Don't be dismayed if we seem a bit rushed when you first see us; it's always busy at the first of the year, and we're only human (aren't we?).

Believe me, we're usually quite friendly, although we may take some getting used to.

So, if I haven't totally confused you yet, let me try to tell you how to get to us. We're located (along with the Eng Soc offices) on the third floor of the old Metro Library building at the corner of College and St. George. Just come in the doors at 20 St. George, and take the elevator or the stairs up to the very top, and turn right. You probably won't regret it at all.

Be seeing you!

Ken Smith,
Stores Manager.

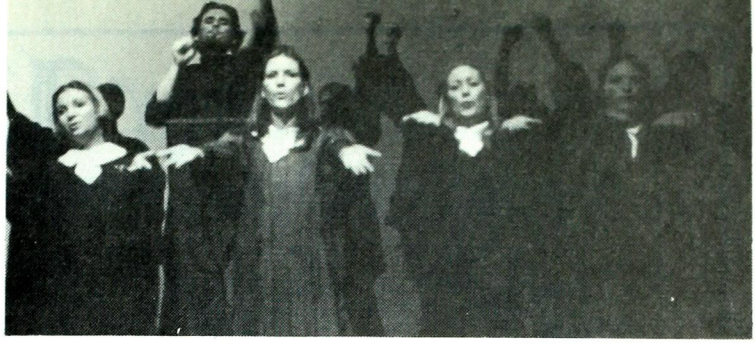
● ● ● ●

No, seriously folks, the Stores is where you go to buy Engineering supplies. Not only are their prices lower than anywhere else, and their selection geared to the needs of engineering *Students* but a portion of any excess profit they make comes back through the Engineering Society to work for your benefit. They also produce exam reprints when they are neede, if people attend to their business, and even if the reprints aren't ready, the Stores is the only generally practical source for copies of last year's exams.

"Whence are we, and why are we? of what scene the actors or spectators? ..."

Adonais
Percy Bysshe Shelley

Skule Nite



As your physics tutor glowers imperiously over your third consecutive late problem set this November, consider, if you will, something completely different.

Skule Nite, the annual musical-comedy stage revue produced by the students of the Faculty of Engineering, raises its curtains in Hart House theatre for the seventh year in a row, and for the 52nd time since its inception in 1923, on Wednesday, February 28, 1979 to open a four day stand.

To compendiate, Skule Nite 7T9 needs your help. Actors, actresses, stage crew, sound and light persons, make-up, costumes, and most importantly, writers are all needed to mould this year's show into the glittering, glamorous, gladful, glaring, gleeful, glimmering, glorious, extravaganza to which we, who care, have become accustomed.

Ah yes, who could forget those wonderful skits of years past; The Western Skit of '75, The Maoris War Dance of '76, The Buffalo Skit of '77 and those dancing Frankensteins of '78.

To emulate those unforgettable stars of Skule Nite's past (their names escape me for the moment), one must become tuned in (?) by coming out. To a writing meeting. To the auditions.

Questions? Contact that dynamic director, Mark Ewen, or that petulant producer, Graham Skells (the bisexual with the funny haircut) through "Jan or Rob Yates at the Engineering Stores" (sic). Anytime. They won't bite (on the neck, anyway).

Is Skule Nite fun? Well, there was Darlene and Mike in the sleeping bag at the cast party, and they wanted to do it in front of an Iguana. And Sue, the choreographer, got lost again in the bathroom ... and then at the other cast party, Steve ...

Something for You at Hart House

HART HOUSE

1978

Orientation September 27

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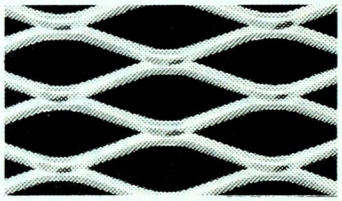

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The A.P.E.O. Code of Ethics

GENERAL

1. A professional engineer owes certain duties to the public, to his employers, to his clients, to other members of his profession, and to himself, and shall act at all times with:

(a) fairness and loyalty to his associates, employers, clients, subordinates and employees;

(b) fidelity to public needs; and

(c) devotion to high ideals of personal honour and professional integrity.

DUTY OF PROFESSIONAL ENGINEER TO THE PUBLIC

2. A professional engineer shall:

(a) regard his duty to public welfare as paramount;

(b) endeavour at all times to enhance the public regard for his profession by extending the public knowledge thereof and discouraging untrue, unfair or exaggerated statements with respect to professional engineering;

(c) not give opinions or make statements on professional engineering projects of public interest that are inspired or paid for by private interests unless he clearly discloses on whose behalf he is giving the opinions or making the statements;

(d) not express publicly, or while he is serving as a witness before a court, commission or other tribunal, opinions on professional engineering matters that are not founded on adequate knowledge and honest conviction;

(e) make effective provisions for the safety of life and health of a person who may be affected by the work for which he is responsible; and at all times shall act to correct or report any situation which he feels may endanger the safety or the welfare of the public;

(f) make effective provision for meeting lawful standards, rules, or regulations relating to environmental control and protection, in connection with any work being undertaken by him or under his responsibility; and

(g) sign or seal only those plans, specifications and reports actually made by him or under his personal supervision and direction.

DUTY OF PROFESSIONAL ENGINEER TO EMPLOYER

3. A professional engineer shall;

(a) act in professional engineering matters for each employer as a faithful agent or trustee and shall regard as confidential any information obtained by him as to the business affairs, technical methods or processes of an employer and avoid or disclose any conflict of interest which might influence his actions or judgement;

(b) present clearly to his employers the consequences to be expected from any deviations proposed in the work if his professional engineering judgement is overruled by non-technical authority in cases where he is responsible for the technical adequacy of professional engineering work;

(c) have no interest, direct or indirect, in any materials, supplies or equipment used by his employer or in any persons or firms receiving contracts from his employer unless he informs his employer in advance of the nature of the interest;

(d) not tender on competitive work upon which he may be acting as a professional engineer unless he first advises his employer;

(e) not act as consulting engineer in respect of any work upon which he may be the contractor unless he first advises his employer; and

(f) not accept compensation, financial or otherwise, for a particular service, from more than one person except with the full knowledge of all interested parties.

DUTY OF PROFESSIONAL ENGINEER IN INDEPENDENT PRACTICE TO CLIENT

4. A professional engineer in private practice, in addition to all other sections, shall:

(a) disclose immediately any interest, direct or indirect, which might in any way be construed as prejudicial to his professional judgement in rendering service to his client;

(b) if he is an employee-engineer and is contracting in his own name to perform professional engineering work for other than his employer, provide his client with a written statement of the nature of his status as an employee and the attendant limitations on his services to the client. In addition he shall satisfy himself that such work will not conflict with his duty to his employer;

(c) carry out his work in full compliance with the appropriate Performance Standards for Professional Practice as may be published from time to time by the Association of Professional Engineers of Ontario;

(d) carry out his work in accordance with applicable statutes, regulations, standards, codes, and by-laws; and

(e) co-operate as necessary in working with such other professionals as may be engaged on a project.

DUTY OF PROFESSIONAL ENGINEER TO OTHER PROFESSIONAL ENGINEERS

5. A professional engineer shall:

(a) conduct himself towards other professional engineers with courtesy and good faith;

(b) not accept any engagement to review the work of another professional engineer for the same employer except with the knowledge of that engineer, or except where the connection of that engineer with the work has been terminated;

(c) not maliciously injure the reputation or business of another professional engineer;

(d) not attempt to gain an advantage over other members of his profession by paying or accepting a commission in securing professional engineering work;

(e) not advertise in a misleading manner or in a manner injurious to the dignity of his profession, but shall seek to advertise by establishing a well-merited reputation for personal capability; and

(f) give proper credit for engineering work, uphold the principle of adequate compensation for engineering work, provide opportunity for professional development and advancement of his associates and subordinates; and extend the effectiveness of the profession through the interchange of engineering information and experience.

DUTY OF PROFESSIONAL ENGINEER TO HIMSELF

6. A professional engineer shall:

(a) maintain the honour and integrity of his profession and without fear or favour expose before the proper tribunals unprofessional or dishonest conduct by any other members of the profession; and

(b) undertake only such work as he is competent to perform by virtue of his training and experience, and shall, where advisable, retain and co-operate with other professional engineers or specialists.

Engineering Alumni Association

The alumi exists because it is. It will be because it will continue. It will come again in a future life because it changed its pants. Fact or fantasy? Reality or illusion?

The preceeding was for those of you who are going to transfer from Engineering into Arts (Be an artsie, be intellectual...) later this term. For the rest of you, the most important thing to know is that the Engineering Alumni Association exists. The advantages of possessing this valuable piece of knowledge are as follows:

1) If you're up to your eyeballs in mid-terms and problems sets, it's nice to know that the members of this association all went through the same hell sometime in the last century and continue to live normal lives, without becoming vegetables.

2) If you're still not sure if you're in the right course after talking to upperclassmen and profs, then you can get in touch with an alumnus who works in that field and find out that he does from day to day and what he thinks of his job.

3) If you can't get an original idea for a BFC caper, you might pick up something listening to what those wild and crazy guys did back in the frontier days.

4) If you're looking for support for some Skule-oriented endeavour, there is a good chance the Alumni will help you out.

This is because the members of the Alumi Association are very proud to call themselves Skulemen, and they will continue to do what they can to maintain Skule's reputation as one of the superior faculties of Engineering.

Your contact with the Alumni is Paul Baker (Eng Sigh 7T5) at 699-4529. Paul is the Undergraduate Relations Chairman and an old Skule Niter. And to quote an old saying,

"Old Skule Niters never die.
They just fail to **RE-ACT."**

Helping You Fight Unemployment

The Career Counselling and Placement Centre has been assisting University of Toronto students from the time it was initiated as a job placement service for war veterans, just after W.W. II. Since then, we've come a long way, expanding placement and counselling both in terms of the clientele served and range and depth of services offered.

COUNSELLING

Career Counsellors are available by appointment or on a drop-in basis. They can assist you in assessing your skills and in planning your career. While it is not their function actually to place you in a job, they can help you in every aspect of your job search, e.g. research of occupational areas, investigation of companies, resume writing and preparation for interviews. You can book an appointment with a Career Counsellor by phoning 978-8590.

JOBS

The best time to begin your search for a SUMMER JOB is late October. Check the bulletin boards weekly for summer job listings. Note ads for the summer on-campus recruitment program which begins in October. Employers from business, government and industry come to the campus to interview students for jobs which commence the following summer. Check with us early in the academic year for detailed information on the program. A similar service is available to graduating students who are seeking PERMANENT employment.

CAREER INFORMATION LIBRARY

Our library is a useful resource for those who are planning their career or looking for a job.

You can find information on hundreds of careers and occupational areas as well as undergraduate and graduate calendars for Canadian and American universities and colleges, and post secondary institutions in British Commonwealth countries.

Moreover, there is information on overseas jobs and study programs and specific details regarding over 1,000 employers including government ministries and departments. Should you require help in using the library, do not hesitate to ask a staff member.

CAREER TALKS

These are held throughout the academic year and cover a variety of careers and areas of employment - law, medicine, social service, advertising and starting your own business to mention a few. Careertalks feature speakers who are presently employed in the field they represent so that the information students receive is accurate and up to date. All talks are taped so that if you are unable to attend a talk which interests you, you may listen to the audio tape in our Library.

Check the Varsity or enquire at the Centre for dates and times of Careertalks.

Hours:
8:00 a.m. - 6:00 p.m. Monday, Wednesday, Thursday
8:00 a.m. - 8:00 p.m. Tuesday
8:00 a.m. - 5:00 p.m. Friday

Patent Medicine

If you find yourself involved in any kind of research while at the university, whether it is in the course of lab experiments, a design project, a thesis, or just on your own, you should be aware of the university's policy regarding inventions. As most institutions and companies do, the U of T considers itself to have a major interest in the developments of its employees and students, especially where there is money involved.

The most you can hope to earn from your invention is 35 % of the proceeds, if the university decides it wants to take an interest, *and* you follow the rules.

By enrolling yourself in the university, you have made yourself subject to its rules, so you should learn what they are.

The following is a summary of the University of Toronto Patent Policy, as found in the U of T Press book *Inventions*.

Scientific activity inevitably includes two components: the first, understanding or conceiving of something; and the second, putting it to work for society. The first is a costly, long-term activity effectively carried out within universities. The second is more properly a matter for the industrial sector which can in principle convert a good idea into the better mousetrap in the shop window.

The University of Toronto has an active program advising on the development of inventions. The patenting and licensing of inventions can be regarded as another aspect of publication, for it allows the findings of University researchers to reach in an appropriate way the industrial sector of Canadian society. It further provides a vehicle for assisting industry in taking commercial advantage of the output of University research.

PATENT POLICY AND PROCEDURE

Summary

1. The prime objectives of the University of Toronto are teaching, research and publication, and these scholarly interests should always be given first consideration.

2. Faculty members, employees and students of the U of T who make inventions in connection with their work in the University should consult their Supervisor or Department Head with respect to the possible exploitation of such inventions and are required to do so if the invention arises from research supported by an external grant.

3. The University has an interest in any invention which results from research supported by funds or utilizing facilities administered by the University, and in many cases has specific obligations with respect to the inventions. Therefore, any agreement to assign or license an invention in these categories must be approved by the University.

4. Members of the University may participate in the financial benefits of their inventions under conditions set out in the Patent Policy of the University.

Requests for copies of the Patent Policy or questions concerning inventions and patents should be referred to the Office of Research Administration.

Policy:

The basic principles of the University Patent Policy include the following:

1. The first consideration of the University is to promote teaching, research and publication, and such scholarly interests should be encouraged without regard to potential gain from royalties and other such income.

2. Inventions developed in the course of University research should be made available in the public interest under conditions that will promote their effective development and utilization.

3. Inventions developed in the course of University research must not be used to the detriment of the public interest by the unnecessary exclusion of any qualified user or by any other means.

4. Research within the University should be encouraged and advanced with any funds which may accrue to the University from inventions in which it is concerned.

5. The interest in a patent of any outside sponsor of research within the University should be recognized. When an outside sponsor of research desires a formal agreement covering inventions and patents, the provisions of such agreement will be negotiated with the University in accordance with this Patent Policy and with particular attention to the principles outlined herein.

6. The University will consider that *it has an equity in any invention which is developed in the course of research supported by funds or utilizing facilities administered by the University*, or any other invention which is handled through the University. The University will consider *it has no equity in inventions which are patented by the inventor on his own initiative and which are not developed* [*even though intellectually conceived*] *in the course of research supported by funds or utilizing facilities administered by the University*.

7. The University may accept assignments of inventions made extramurally.

Administration of Policy:

The Research Committee of the Board of Governors, hereinafter referred to as the Research Committee, is responsible for general oversight of the University's Patent Policy as regards the University, its faculty members, employees, students and outside sponsors and assignors.

The Office of Research Administration is responsible for the processing and anagement of inventions and patents under the general supervision of the Research Committee.

Procedure Alternatives:

1. Faculty members, employees and students of the University of Toronto who make inventions in connection with their work in the University are encouraged to publish the results of their work keeping in mind that they may have obligations to external grantors of funds and that in most countries publication may be a bar to an application for patent.

2. Where a faculty member, employee or student considers applying for a patent for an invention in which the University may have an interest or responsibility he has an obligation to consult his Supervisor or Department Head with respect to the

possible exploitation of such invention. If, after such consultation, it appears that there is a discovery which may be of commercial importance, the Department Head or Supervisor shall advise the Office of Research Administration of such discovery.

3. The inventor may elect:

(i) To request the University to apply for a patent, either through its own facilities, or Canadian Patents and Development Limited (hereinafter referred to as CPDL), or

(ii) To apply privately with the knowledge that, unless the University has waived its rights, the University will have an interest in the patent.

A strong recommendation is made to all inventors that in the interest of saving themselves valuable time, the facilities of the Office of Research Administration should be used, but if the inventor does file privately, he should notify the University of such filing.

Procedure, Office Administration:

1. When an invention has been referred to the Office of Research Administration by the Department Head or Supervisor, or by an inventor privately if he has made a discovery outside of his University work and wishes to proceed under 3(i) the Office of Research Administration will arrange consultations with the inventor and appropriate parties to advise the inventor and the University as to possible and desirable actions.

2. If it appears that a patent application should be filed, the inventor will advise the Office of Research Administration of his choice of procedure under 3 above.

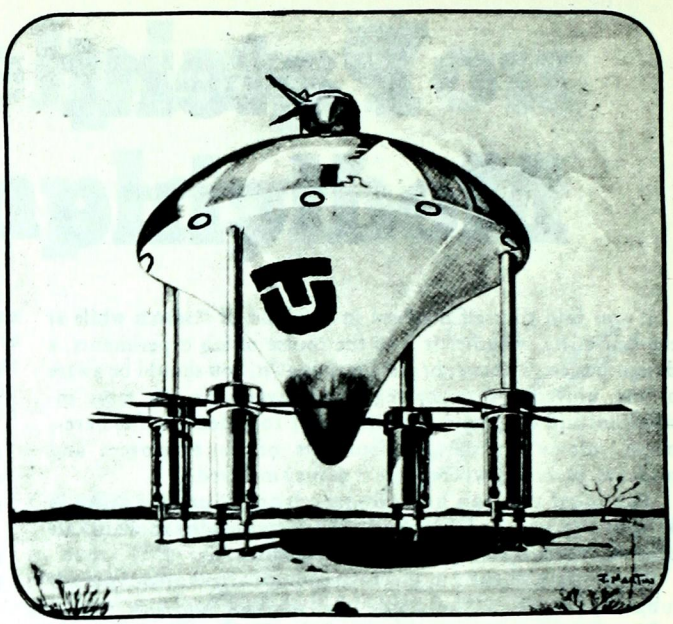
3. If the University agrees to act on an invention referred to it the invention must be assigned to the University.

4. If the University decides not to act on an invention referred to it, it will so notify the inventor and save for a reservation of the right to approve any assignment or license which the inventor may propose to issue to any other party, the University will relinquish any equity it may have in the invention.

5. In the case of an invention which is not referred to the University, or one in which the University has decided not to act, notification of the filing of the patent application shall be given to the University whenever and wherever the application is filed.

6. For any invention which is assigned by the University to CPDL, the inventor will be paid in accordance with the attached distribution scale. The University's interest will be considered to be its share of the gross income remaining under the terms of the agreement between the University and CPDL. For inventions which the University and the inventor agree should be handled by the University applying for a patent directly, the interests of the inventor shall be determined by agreement between the University and the inventor and in accordance with the attached distribution scale, but the inventor may elect to receive benefits comparable to those which would have been realized had the invention been assigned to CPDL or to renounce his rights to such benefits.

7. If a dispute should arise between and inventor and the University with respect to the provisions of this Patent Policy the question shall be referred for decision to a Board of Arbitration composed of one representative nominated by the inventor, one by the University, and a third member selected by the two representatives thus chosen.



Distribution of Proceeds:	Inventor	O.R.A.	University Research†
1. Donation to University	terms to be negotiated		
2. Inventor patents and markets	35%§	15%	50%
3. University patents, inventor markets	25%§	25%	50%
4. University patents and markets	15%§	35%	50%

§ The scale of payments to inventors when net proceeds to the University exceed $500,000 drops to 10% on such excess. The residue of what would have been the inventor's share goes to the Office of Research Administration.

† Monies received over and above the share to the inventor and to the ORA pool will b deposited in a trust fund and for every payment out, 30% will be paid to the University General Account by way of overhead. The first $10,000 paid out annually, after overhead, will be put at the disposal of the Department or area in which the inventor was working at the time of the invention, for further research purposes. All monies disbursed from that account thereafter, after overhead is taken on each disbursement, will be used for research purposes at the discretion of the Governors, acting on the advice of the Research Bored. It is expected that the greater portion of such monies will be used in the area of research of the inventor's Department but it is desirable to assess the needs of other areas of the University in case of a true windfall. The Patent Committee interprets the Patent Policy statement on the distribution of proceeds allocation to the department to mean that the Chairman of the Department will use the money to support the further research by the inventor within the department. Should the inventor not claim this support, then the Chairman may use the allocation for other research purposes of the department.

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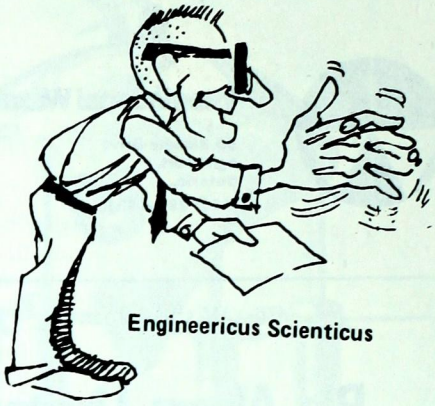


Engineericus Scienticus

Welcome to the superior division of Engineering Science. All students of Eng Sci are members of the Engineering Science Club (that is, after you have vigorously participated in the Orientation initiation).

The Eng Sci Club's main annual function is the **Eng Sci dinner,** which will be held on a Friday or Saturday night, sometime in the spring term. It is highly subsidized and we encourage everyone to take advantage of this event. It is a chance to talk informally with your "favourite" professor.

The only other time where the professors and the students meet informally is at **Eng Sci Smokers.** They are usually held twice a term, and plenty of beer is available.

Due to the Sandford Fleming fire, which destroyed the old Eng Sci haunts the year before last, the Eng Sci offices, common room and study room are located in the Old Metro Library (the building with the Eng Sci crest hanging outside). The study room is located just outside the Eng Sci offices (you can get the key from Debbie, the department's secretary). The Eng Sci common room is located on the first floor of the Old Metro Library.

This year we are reviving the *Eng Sci Newsletter*, which somehow died in the fire. It will be published once every three or four weeks, and will be available from your class rep or at the Eng Sci office. If you are not receiving them, then bug your class rep.

The Frosh classes will soon be asked to elect two Eng Sci Club Reps, two Faculty Council Reps, and two Eng Soc Reps. So start scouting out your classmates for someone who would be interested in putting an honest effort into these positions, or consider it yourself. The most important reps are, of course, the Eng Sci club reps, so make sure you pick some responsible people for these two positions.

In a University of this size you will find that not everything is perfect. In fact, in Eng Sci, things are far from perfect, so if you feel that something is not right, either with a professor or with marks, or anything at all then get off your ass and do something about it. If it is a major problem, contact Professor Hooper, the department chairman or if it is on a smaller scale, get in touch with either myself or Ian. For that matter also get in touch with us if you have any suggestions or new and ingenious ideas.

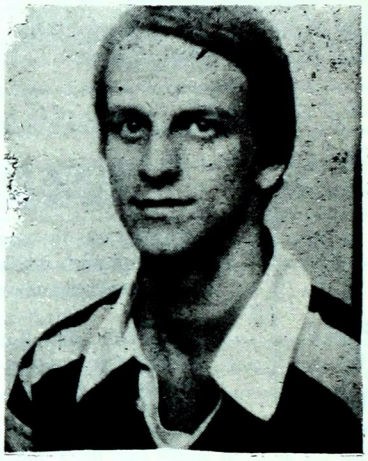
Remember that you are not only at University to broaden yourself academically, but also socially. A careful balance between the two will result in a very satisfying University experience. So be sure to come out to the smokers and the Eng Sci dinner. Especially make sure you participate in the orientation events, since your academic work load hasn't even begun at this point, and it will be your last chance before the plunge to really enjoy yourself for a couple of weeks.

If anyone is interested in helping out with the newsletter, please contact either Ian or myself. A box will be placed in the Common Room for articles and events you may want published in the newsletter.

I will see you all on Orientation day.

Yours very truly,

Bruce Marler



Bruce Marler

Electrical

Poco, Chairwoman Electrical Club.

If you have frizzy hair, static cling, rub your feet along carpets and have a shocking personality, then plug yourself in with us. Join Mr. Output and Ms. Input and the rest of the club at the Electrical Weiner roast or see them do their thing at the Cannonball Intercourse Competition. You can do your thing at the Electrical Pubs where people of all races, creed and departments cum together for an evening of booze, broads and ballads.

Now, quick! check your student card! If and only if your department number is lucky 7, you as a member of the Electrical Club are eligible to participate in our mass student versus professor tournaments. There fearless undergraduates face the risk of injury and/or failing marks in hockey and football games. Or if you're interested in just blood and guts, the Chariot Race is for you. Unleash all your animal tendencies and first term frustrations on the Mech, Civil etc. chariots for the glory of the Blue Chariot with the Gold Lightning Bolts.

As a special event this year, the Electrical Club will be holding a Square Dance with a Caller calling the steps for the "city types".

Most people will be welcome at these events, but if you are enrolled in the Department of Electrical Engineering, then you are instantly a lucky member of this exclusive club and are entitled to attend everything. Keep an eye out for our posters.

Electrocutus

Mechanicus

Mechanical

This is going to be another strong year for Mechanical. A good group of people from third and fourth years will be coordinating the triumph of mechanical over all lower forms (ie. civil, eng. sci., and **especially** Industrial!)

The Mech club has lots of activities planned this year, such as Mechanical Dinner, 3 Nick Nites (with complimentary nurses even!), winning back the non existant J.P. Potts Trophy for blood and guts in the Chariot race, the continuation of domination (S & M) in the intercourse competition.

We can be found in the Mechanical Common Room, 3rd floor Mech Bldg., or in room 313 along with the CSME. I can be contacted at 967-9288 or in room 313, and any new ideas or willing people are welcome!

J. Weber

Industrial

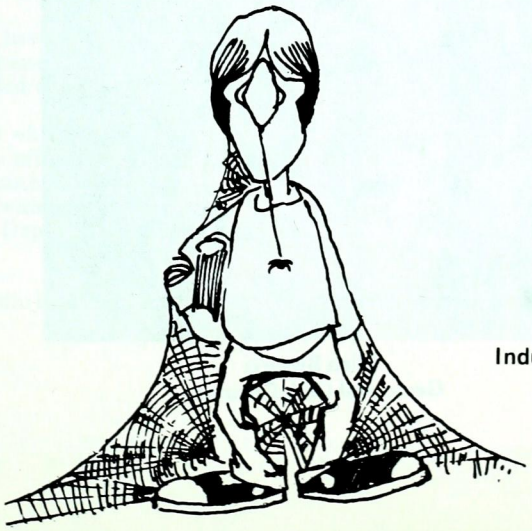
The industrial club represents the peak of man's ability to organize in groups. But seriously folks ..., industrial engineers are just a bunch of wild and crazy guys. The Industrial Club were the unofficial winners of last year's chariot race. (If Civil is stupid enough to return our chariot we'll beat them again!)

As usual, the Club is planning a lot of fascinating things this year. The inter-year hockey tournament, some speakers from industry, and a couple of smokers complete with those classic European movies. Bet you can hardly wait!

Now for the exciting news. This year marks the beginning of a joint Industrial students' council between the club and the American Institute of Industrial Engineers. John Lepard is president of the student chapter of the AIIE and will lead them onto bigger and better things.

See you in September.

Scott Tudor
IE Club Chairman



Industrius

Metallurgical

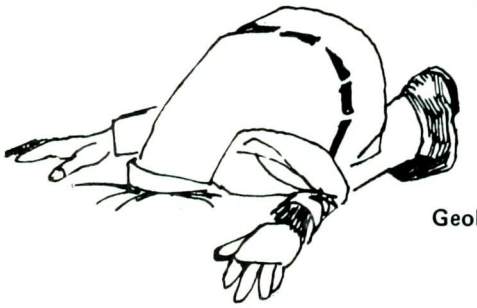
I don't mean to say that the M.M.S. Club is infinitesimally small, but those presently searching for the quark have been asked to keep their eyes open in case they should run across it. Don't be put off by that last comment; they almost always raise quorum at their meetings (remember, in the M.M.S. Club, at least, two's company and three's a crowd.) There are very practical aspects to having a modest (Look, look, an understatement about the M.M.S. Club!) membership. For instance, what other club can hold their annual club dinner at MacDonalds and get change back from a ten? Or successfully infiltrate the Gang of Four? If you're itching for political accomplishment, your chances of becoming club chairman are better in M.M.S. than in any other club.

Academically speaking, those in M.M.S. have what may be considered an unfair advantage. In no other course can you rank last in your class and still put on your resumes that you stood fifth.

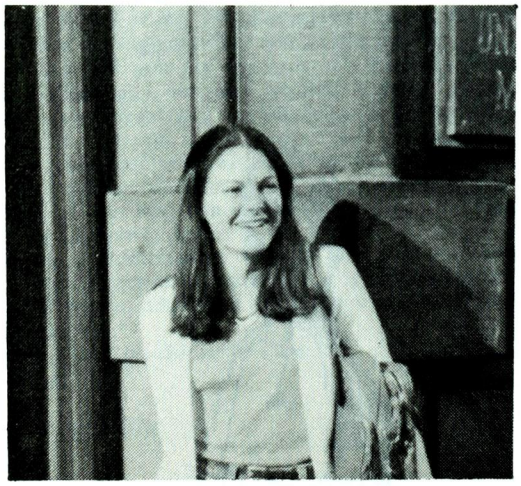
How small is metallurgy, you ask? Well, it's so small that we couldn't find any of its members when we wanted someone to write this article.

Peter Horvath is this year's M.M.S. Chairman.

Emmemmessicus



Geologicus



Ellen Biasucci
Geological Club Chairman

Geological

So you're registered in Geological Engineering! Welcome to one of the most distinctive departments in the Faculty. During the next four years you're going to hear numerous wise cracks about 'rocks'. These jokers think that they're being "original" so this article won't reveal any of their tired humour in advance. Instead the best advice is to ignore these comments because Geological Engineering isn't such a bad place to be. We have no native profs (they are graciously shared from other departments) but, being a relatively small group, classes are 'intimate' and you become very familiar with classmates and professors alike.

Our voice may be small but we can sure stir up some dust with our rock picks. This was evident with our triumphant romp last year over the assembled horde at the annual Chariot Race. Eat your hearts out you Mech boys!

There are many other activities you can get involved in by taking part in the Geological Club. At various times during the year our club organizes smokers. These are fun nights usually after class, where students (F!rosh definitely invited) can get to know their department and learn the intricacies of our Option system. You can even meet with a prof over a beer or 2 or 3 ... (N + 1) Industry spokespersons are sometimes invited to talk jobs, student awards and related experiences.

Students are welcome guests at frequent CIM dinners and the year's end is marked by the Club Dinner.

Skulemen/women alike are invited to compete in the Nth Annual Geological Arm Wrestling Tournament or play for our club's hockey team! (we consistently beat the profs.)

We hope to see you - all years and all options in our new Common Room in the Metro Library.

Enjoy your stay at Skule and CUM on up and meet the boys/girls.

At any time if you have questions or suggestions get in touch with the Club Chairman; Ellen Biasucci, Co-chairman Rob Ribison.

Civil

You ask, "What is a Civil Club?" It's an organization of Civil students who organize social functions of interest to Civil students (that's you). So in keeping with the ideas of the club we expect all undergraduates (that includes you,too) to attend and take part in our pizza lunches, smokers, hockey, basketball tournaments, not to mention the "new improved Civil Death Race 2000 chariot.

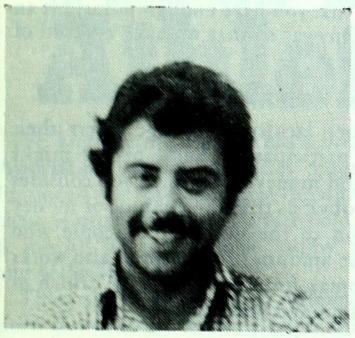
Also on the agenda this year is a possible trip to Montreal (bring passports) and the ever popular Civil (Get Back at the Profs) Dinner. Be alert to Civil happenings - they're usually a good time (if the Italians show up maybe not, only kidding) find out by watching our bulletin board on the 2nd floor of Galbraith.

Be sure to attend the Civil 8T2 Introduction Night Thursday, September 21 (location will be announced on posters). This will be an informal get-together with professors and senior students to answer any questions you have about the department and to generally meet the staff and other students.

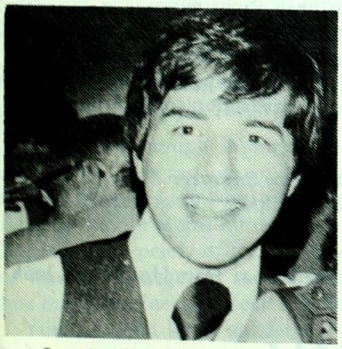
Good luck with first year and we'll see you on September 21.

Civilus

Chemical



Joe Cicero



Claudio D'Ambrosio
Chemical Club Co-Chairmen

Apart from the usual great events, (rumoured to be the best in all Engineering) such as the smokers and Club dinners, there will be added celebrations this year because of the Department's Centennial. All Engineering faculty members, especially the F!rosh, are invited to attend these functions.

Team Chemical is an active sporting group, participating in numerous sporting events such as football, hockey, table-tennis, skiing and brisc. A favourite sport, reserved only for the true athlete, is the gentle game of kick-the-Coke-machine-until-your-foot-bleeds.

Our Department is proud to have within its ranks the largest proportion of women in the faculty. (By the way, the ratio of dolls to guys is increasing annually.) The ladies have the good fortune to belong to both the Chem.Eng.Club and the Woman's Committee.

Our Club has the distinction of having Co-Chairmen. (½ brain + ½ brain = 1 brain), having passed through the ranks by that admirable democratic device called acclamation. (Or was it the violin case and concrete shoes?)

The Club executive meets once in a while,(more often if need be), in our plush third floor executive offices near the Fiz Chem labs or in more convenient locations such as the common room, halls or anywhere. Correspondence with the Club may be in writing as well. Our mailbox is in the Department's office on the second floor of the Wallburg Building.

Joe Cicero, 248-5197 Claudio D'Ambrosio, 766-5219

Chemicus

Engineering Athletic Association

by Terry Gudzowsky

This article is specially written in simple language so that jocks can understand it.

What is the E.A.A.?
The E.A.A. is the Engineering Athletic Association. That means that it is **your** athletic association because everyone registered in the faculty is a member. Whether you like it or not, five bucks of your fees goes directly to the E.A.A. so you're only getting your money's worth if you use your association to your benefit. The purpose of the E.A.A. is to encourage athletics in every way at the University, and to co-operate with the University of Toronto Athletic Association.

Who runs the E.A.A.?
In the spring of every year, the Engineering Society holds their annual election. During this election, the students also elect a President and a Secretary-Treasurer for the E.A.A. The outgoing Executive of the E.A.A. appoint a Director of Athletics and 11 Commissioners. These 14 students 'run' the E.A.A.

What do these people do?
The President (**Tim Maryon**, Ind IV) administers to the affairs of the E.A.A. He calls and presides the meetings, draws up a budget, supervises the presentation of awards, and generally co-ordinates all sports. The Secretary-Treasurer records the minutes at the meetings, is responsible for all correspondence, and most important of all, takes care of the loot. The Director of Athletics supervises all tournaments, represents the E.A.A. at various councils, and is the publicity man for the Association. The Commissioners for the eleven sports (aquatics, basketball, hockey, volleyball, squash, rugger, lacrosse, soccer, track and field, football and women's sports) are responsible for the complete organization and supervision of their sports.

Where can I get hold of these people?
(Pause... rude gesture) You can contact the EAA executive by going to the Athletic Store, third floor of the Metro Library building or by phoning Tim Maryon, 978-2607 or Bob Hill, 226-0785.

Are we success...do we win anything?
Everyone wins. Engineering is pretty successful in intramural and interfaculty sport. Beside keeping a lot of people in physical condition, the E.A.A. creates a situation where students from all the fields of Engineering can meet each other, and students from the other faculties and colleges. Our high participation rate receives recognition every year as we are always in the running for the T.A. Reed trophy. This award is given to the faculty or college with the most successful team in interfaculty competition.

What do the athletes get for a championship?
Well, besides a fair shake, a hand shake, and a hot cup of coffee, they get awards at the annual S Dance. Anyone enrolled in Engineering can come, even non-athletes. It's going to be held some time in early March and there's no admission charge.

Is it fun?
Of course it is. Have you ever seen a hotel full of people come at the same time. Besides, all the awards are given out and there's booze and dancing.

Who gets the awards?
Anyone who wins an individual or team championship, finalists, the most valuable players of each sport, various classes for participation, athletes of the year, and everyone with enough S-points.

What are S-points?
What the F! Ya don't know what S Points are? Ya gotta be kidding.

Well, tell me and I'll know
Everytime a student participates in athletics at the university, he or she gets a certain number of S points. The more successful your effort is, the more points you get. If you get 15 points, you get a Chenille "S" (Skule letter), and if you have 40 points, you get a Bronze "S" (an oak plaque with an engraved Faculty crest) in your graduation year.

How do I know how many points I will get?
You can get an Awards Point Allotment Sheet at the athletic stores. Next term, in about January or February, you can fill out an S-point form. It will also be available at the Stores at that time. Even if you don't think that you have enough points for an award, fill out an application anyway so that we have a record of your points total.

What other faculties have all this for their athletes?
As far as I know, no other faculty or college offers their students so much for athletic participation. Some people might think it's all a waste of time and money. But, when you consider all the facts and figures, it is obvious that the amount of money spent is very small in relation to the number of people who benefit from the program. The amount of time spent also works toward giving the student a break from the classroom, which in turn gives the student a more rounded personality.

*Why do you say the word "**Participation**" so much?*
Contrary to all that crap you hear about winning is the only thing and winning is everything, the only thing and everything is actually participating. Standing on the side and cheering is fine, but it must be balanced with some participation on your part. Sure, winning is nice, but the real satisfaction comes from effort and self-improvement.

That sounds pretty philosophical for an Engineer.
Yeah. Actually I read it on the washroom wall at Hart House.

Where can I find out more?
Go to the fourth stall from the left at Hart House and look for...

No you F! idiot, more about the E.A.A.
Oh, just go to the Athletic Stores in the ML building, like I already said, or ask any self-improved, well-rounded personality who happens along. Also, keep your eyes open for posters and read the *Toike* and *Cannon*.

Women's Athletics

The Women in Engineering have gained quite a reputation in recent years as enthusiastic competitors in interfaculty sports. You, too can have a chance to be a member of one or more of our legendary teams.

Engineering women participate in 4 regular sporting events each year, 2 per semester. Basketball and innertube waterpolo first term, volleyball and hockey second term. More sporting events are available to us but they depend on you, so come out and participate. For team lists and starting dates, see the bulletin boards in the 3rd floor of the old Public Library, the Ladies' lounge on the second floor of the Galbraith building, or the Chem Eng Common Room, 2nd floor in the Wallberg Building, room 238.

Men's Athletics

The Engineering Faculty has a body, the **Engineering Athletic Association**, which organizes sport activities for the faculty. Engineers are represented in the university intramural leagues in these sports: swimming, water polo, basketball, football (tackle & touch), hockey, lacrosse, rugby, soccer, squash, track & field and volleyball.

These sports are played at different levels of skill so there is no need for someone to think he or she is 'too good' or 'too lousy' for an engineering team. Keep an eye out for advertisements regarding the organizational meetings in the sports you are interested in, they'll be posted in the faculty buildings.

In addition to the faculty teams, there will also be intramural tournaments in these sports. You'll be able to form your own teams from within the faculty and play against other engineers.

If there is enough interest in other sports, eg.,table tennis, skiing, etc., we can organize other tournaments. To get these started, come by the **Engineering Athletic Office** on the third floor of the old Metro Library building, across the foyer from the Engineering Society offices see map page 5 during lunch break or leave a message for the Director of Athletics in the message box in the Engineering Society offices.

You can get a lot of satisfaction out of the investment of a few hours a week in sport.

We need your bodies and your support. Watch for posters and announcements in September.

Pat Murray is the commissioner for women's sports. She can give you additional info when needed. Pat can usually be found in the Wallberg building Chem Common Room, WB238.

If you don't go in for team competitive sports, the Benson building offers excellent sports facilities and regular classes in swimming, tennis, dancing, fencing, etc. Lockers are also available in limited supply, so register early (the best time is the second week in September, when the arts students register). Call or visit the Benson building for more info (the phone number is 978-3441).

Collect S-Points for Fun and Profit

S-POINT AWARDS:

I Athletic "S" Award — 15 points.
II Bronze "S" Award — 40 points. (4th yr. only)
III Championship Teams — pewter stein
IV Individual Awards:
a) Record set or 3 wins/meet — pewter stein
b) One or two wins/meet — pen set/medallion
V Outstanding athlete in each year (four awards). To be selected by the E.A.A. as described in its constitution.
VI E.A.A. Class Trophy — for the class with the highest number of S-points per capita.

NOTE: In awards I-IV no athlete may be awarded more than one stein, pen set or medallion per sport in any one year.

Teams are divided into the following classes:

DIVISION A: (Team Sports)

CLASS I: The team designated as being the 'first' team in any team sport.:
Sr. Basketball, Rugger I, Squash I, Sr. Hockey, Waterpolo I, Lacrosse I, Sr. Soccer, Volleyball I, Football.

CLASS II: The team designated as being the 'second team' in any sport listed in CLASS I, or any other Engineering team playing at the interfaculty level — i.e. any team designated as a 'third' team.

CLASS III: Teams which play in the Touch Football League, or the Intermediate League for basketball and hockey, or any other Intermediate competition.

S-POINT TABLE: The points will be awarded as follows:

CLASS	I	II	III
Participation*	5	4	2
Playoff Team†	6	5	3
Finalist Team#	7	6	4
Championship Team	9	8	5

* 80% of games
† A team qualifying for league playoffs and having won at least 50% of its season's games.
# A team losing in the final round of competition.

WOMEN'S SPORTS - all women's team sports shall be CLASS II Teams until such time as their playing schedules and competition for places on a team becomes comparable to that in men's sports. To be eligible for Participation points, the woman must have attended 75% of the required attendance time (games and practices). For information on contact sport for women go bug SAC!

DIVISION B (Individual Sports)

Includes track and field, golf, swimming, tennis, skiing, cross country or any other tournament type of sport.

1) Participation in any of the above
   1 point.
2) For track, swimming, skiing (including relays)
   1st ... 4 pts
   2nd ... 3 pts.
   3rd ... 2 pts.
3) For golf and cross-country
   1st or 2nd ... 8 pts.
   3rd, 4th, 5th ... 6 pts.
   6th, 7th, 8th ... 4 pts
4) Singles Tennis
   Champion ... 8 pts.
   Finalist ... 6 pts.
   Semi-finalist ... 4 pts.
   Quarter-finalist ... 2 pts
5) Doubles Tennis
   Champions ... 4 pts.
   Finalists ... 3 pts
   Semi-Finalists ... 2 pts.

Note: a) where points are earned for placing, the points for participation are forfeited.
b) if a team championship is awarded in any Division B Sport, every member of the team shall receive 2 points.

VARSITY TEAMS

Winners of a Varsity Intercollegiate Colour (Men's First 'T') or a Women's Intercollegiate 'T' shall be eligible to receive 10 points.

MANAGERS & COACHES

Intercollegiate Teams ... 3 pts.
Interfaculty Teams ...2 pts.
Intermediate Teams ... 1 pt.

A maximum of 10 points per year may be earned in any one sport plus the managers and coaches award for that sport if applicable.

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