1983-1984
SKULE
HANDBOOK
AND CALENDAR
Call for ‘Labatt’s Blue’
1983-1984
SKULE HANDBOOK
AND CALENDAR

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This has been yet another SKULE production.
A Message from the Dean

To those of you who are entering undergraduate engineering studies, I welcome you to the Faculty of Applied Science and Engineering and hope that you will find your life here to be both profitable and enjoyable. Four years may seem like a long time ahead, but you will find it little enough to acquire the concepts, skills and insights which you will need in your continuing professional career.

To those of you who are returning, welcome back! In these difficult economic times, many of you will not have been able to get the engineering experience or the income you desired during the past summer. All indications point however to an economic improvement and several leading industries are even predicting a shortage of engineering graduates within the decade. Now is a good time to be engineering students preparing yourselves for demanding professional responsibility in the growth and development years ahead.

Canada has special needs for engineers at this time as it converts from a largely resource or branch plant industrial approach to an ability to compete in advanced technology in world markets. We need to develop further our competence in creative design, based on research and development and on an acute sensitivity to the needs of the marketplace. In particular, we need to respond effectively to the opportunities made possible through computer technology. Graduates in all engineering programs must increasingly become expert in computer applications within their disciplines.

The number of engineers needed for the application of computers in business, government and industry — including our important resource industries — will, in my view vastly exceed the number required to develop new computers. Thus, while many good "computer engineers" will be needed, essentially all engineers will soon become "Computer applications engineers".

Entry into engineering is based primarily on demonstrated excellence in mathematics and sciences, since these subjects are essential foundations for later studies. Much of the undergraduate curriculum is devoted to building up capability in technical analysis and design. Most employers express considerable satisfaction with the technical competence of the graduates they employ. Their most frequent complaint relates to the ability of our graduates to express themselves clearly and concisely, both in written and oral form. Some studies have shown that engineers spend more than half of their time communicating. In the interests of success in your future careers, I hope that all of you will take every opportunity to develop your communicative skills.

Although our student/professor ratio is about the same as in smaller engineering schools, the size of our Faculty is such that we must depend largely on student initiative in approaching professors for assistance and advice. While the professors are usually very busy with their teaching, research and community service, they give high priority to individual consultations arising from such approaches. It is part of your responsibility and also a part of your professional conditioning that you seek help when needed. And, when you feel it appropriate, do not hesitate to contact one of the Associate Deans or myself.

With best wishes for your success and satisfaction in the coming year.

Gordon R. Slemon
Dean
President’s Welcome

Welcome back! I hope by now all returning students have recuperated from last term’s exams and are fully geared for another year. I’d also like to take this opportunity to welcome all frosh and congratulate them on their acceptance into the faculty. Engineering at the U of T has a long-standing tradition of excellence and this is something we are all proud of.

Life in engineering is a very unique and rewarding experience. It can best be summed up as “you work hard — you play hard”. Over the course of your four years of study you will develop and mature into a true professional, prepared to tackle the challenges which lie ahead. But these challenges are not all technical. The art of engineering is being able to develop a systematic approach when faced with a problem. This involves effective analytical and communication skills.

An aptitude for analysis is developed through your course curriculum, but communication skills develop through involvement in various extracurricular activities. These activities range from pubs and athletics to committees designed to promote engineering professionalism. All are provided by the Engineering Society.

Established in 1885, the Engineering Society is the oldest engineering organization in Canada. The heart of the Eng. Soc. lies in you, its members. The spirit of Engineering lives in the BFC, Homecoming events, Oktoberfest, Cannonball semi-formals, and Skule Nite just to mention a few. All of these events are provided to give you a chance to meet new friends and add your own sense of flair. The doors are always open; take the time to stop in at the Eng Soc or ask your class representative how you can get involved. (There’s no life like it!!)

In the future, when you’ve graduated and find yourself buried in life’s tedious tasks, you’ll look back on the sleepless nights, chariot races, midnight capers and laugh at your struggle through the best years of your life.

Scite et Strenue
(Skillfully and Vigourously)
Ron McKenzie
Engineering Society President

Editor’s Preface

This year, for the first time in Skule history, this preface is addressed to both Frosh and upperyear students. I say for the first time because this is, in fact, the first year that the Handbook and Calendar have been combined into a publication designed for the perusal of students in all four years of the Engineering program.

Why, you may wonder, would anyone even purpose such a crazy idea? Well, why not? Engineers are reputed to be innovative and practical. This combined publication was created to fill the need to make Engineering students more aware of what the Engineering Society has to offer, as well as to provide an attractive calendar which may be hung up or carried among your books. When it was learned that, in the past, some dumb Frosh did not read their Handbook (ssss!) and, thus became dumb upperclassmen, it was deemed necessary to intersperse Handbook information with the ever-popular Calendar in order to bring everyone up to date on the workings of Skule.

All too often I am shocked to find a classmate who does not know what LGMB stands for or to whom the “non-existent” BFC really does not exist. Did you know that the Eng Soc has an honest-to goodness Stage Band, an Employment Committee which can help you write a resume, and a Centennial Committee which, in 1985, will celebrate Eng Soc’s 100th birthday by attempting to break the world record for the fastest bike? Have you ever attended Cannonball, helped lay-out an issue of the Toike Oike, or aired your views at an Academic Affairs Committee meeting? Frosh may legitimately answer “no” (and hurriedly turn to the appropriate sections of this Handbook to find out more), but upperclassmen have no excuse to claim ignorance (actually…).

Strong words, you may say, for a mere editor. Maybe, but maybe strong words are what it takes to make Engineering students fully aware of what this faculty has to offer, and that includes opportunities for social as well as academic development. Constant studying may put you at the top of your class academically, but you will be near the bottom of a similar list in terms of your ability to deal with people, handle responsibility and organize your time.

The Engineering Society provides a large variety of both activity and academically oriented committees which stage many “fun” and many serious events. Take the time to read this Handbook and find out what interests you, then come out and get involved.

Mary Svazic
Editor
Academic Survival

So, here you are in your first year of UNIVERSITY and you’re probably wondering about a lot of things (“What is life?”); mainly, “How can I survive at U of T?”. Well, university is not quite as bad as you think it is. It’s just . . . different. Anyway, after ten or so years of collective experience (doing it wrong first?) and many, many updates, here are some ways to survive and get that DEGREE and IRON RING.

Books and Equipment

One of your largest expenses in the next few weeks is for BOOKS and EQUIPMENT. One of the best bits of advice we can give you is: “Don’t rush out and buy all your books the first week.” Find out first if your prof is going to assign problems from it or refer to it in the lectures. Some texts, in the past, have languished unused on shelves. Sometimes alternate texts are far superior and others are referred to quite a bit and will prove helpful. Also, make use of the Schaum’s Outlines which cost much less than the text and are often much more valuable for the problem-oriented courses (Mechanics, Calculus, Algebra, Electricity etc).

When you do come to buy your books, you will find them all, along with Schaum’s, at the ENGINEERING STORES at the lowest possible prices. You will also find a good selection of calculators at the Stores. A good calculator is essential, but remember the continuous memory and card programmable calculators are not permitted in exams, so if you have one, you have to beg, borrow, or steal an acceptable one for the exams.

Lectures

We hear that in high school they still ask the students to show up for most classes. However, as you’ve probably heard, that’s not the case with lectures here. We have yet to meet an Engineering prof who takes attendance at lectures, so you can skip a few and no one will be the wiser. This does not necessarily hold true for courses from other faculties such as Arts and Science where just putting your body in the classroom can be worth marks. But why skip a lecture? Well, some are clearly a waste of time (for example, the ones where the prof teaches straight out of the textbook and can’t answer any questions) and at university your time is at a premium, so use it wisely.

However, that seemingly irrelevant material covered during those boring lectures may not seem so useless during the last weeks before Christmas or the period around the end of April or, for that matter, around mid-summer when you do get your results. Some profs have a habit of leaving half of the course material to the last few weeks, then basing the exam almost entirely on it; so beware again.

If you do miss a lecture, you’ll have to copy someone’s notes. Make sure he or she takes good notes, because that will be the only record of the lecture unless you’re into tape recorders. Bad, unreadable or incomplete notes can become quite a handicap around exam time.

Regarding class participation, do it! The odds are very good that at least ten (or fifty) other people in the class have the same question. However, don’t bother putting up your hand to correct the prof’s spelling (or pronunciation). By the way, if you do have a question, and the prof can’t see your hand, say “Question”.

Labs

Speaking of skipping things, don’t skip labs! If you miss one (they do take attendance) you will probably have to make it up (sometimes on a lunch hour) in order to get credit for the course. If you don’t, you may see ‘incomplete’ in your results . . . “For the want of a nail . . . the kingdom was lost.”

DO the lab prep! The lab should then take care of itself — if the equipment doesn’t self-destruct, that is.

The lab assistants can never seem to spend enough time telling you to keep a neat lab book. Take the hint: neatness counts. In addition to helping your lab mark, a neat lab book is easy to study from. Remember, there IS lab stuff on the exam.

Tutorials

After your first tutorial, you may believe that these problem-solving periods are completely useless. (Or you may not.) Actually, a tutorial is a great place to get those pesky, God-damned, son-of-a-bitch problem sets out of the way. If you do them in the tutorial, you’ll have the evening FREE! (To do other problem sets).

As for T.A.’s . . . what is a T.A. you ask? Well, it stands for Tutorial Assistant among other things. T.A.’s are usually fourth year or graduate students, and most of them do know more about the subject than you do (most of the time, anyway). Ask them questions! They are there to help you!

Problem Sets

Most of the work here, outside of note taking, studying and the occasional experiment, will involve solving a specified number of problems to be handed in at a set time and marked.

The importance of these marks varies wildly, but generally the problem sets are teaching tools, not examinations. If you do nothing else while you are here, do the problem sets — you’ll probably pass with ease. If you haven’t got them
done on time, tell the demonstrator or prof, and ask for an extension — then at least he won’t be angry with you (too much).

Even though problem sets are often your only method of self-assessment, virtually everyone has copied part of one (or worked in a group on a supposedly independent effort) at some time or another. Let us caution you, however, from falling into the habit of copying whole sets on many occasions. When the exams (which count for a lot more) come, you are doomed! And you don’t fool anybody during the term, either.

Professors

Despite what you may think, profs do know more about the subject than you do. They have no vested interest in destroying any of you, however, they are human and subject to some very human hang-ups.

One problem they have is that with no training in teaching, they often have trouble in establishing communication. Many tiny hassles develop into major confrontations simply because no student would go to the prof’s office and explain that the method of handling a problem set was unworkable or that his writing on the board was unreadable from the back of the second row. The best way to avoid even these efforts is to take part in the staff-student smokers and get to know the staff and other students. Remember, profs are human too.

There may, however, be some situations which no amount of friendly communication will help. When this happens, run, don’t walk to the Faculty Office and ask to see P.M. Wright, the Chairman of First Year Studies. He not only has the power to effect change and wants to help, but he is one of the friendliest people you’ll meet at the university.

Budgeting Your Time

Ah ... this is the key to survival. You have a lot of work to do in a finite amount of time. Here are some ways to get the most out of that time:

1. Set priorities. ‘Work’ (passing, marks) comes first, then comes ‘Play’. Also, don’t spend hours on a miniscule problem set when you have a 30% midterm the next day.
2. Don’t get behind in your work. Having said that, we admit (once we stopped laughing) that everyone does get behind sooner or later and must catch up. This is possible, barely.
3. Do your work steadily. The Faculty says you should do about eighteen (18) hours of work per week in addition to classes. Space out the work fairly evenly.
4. Please don’t ‘cram’. It’s not good for you or your marks. Rather than ‘pulling an all-nighter’ on a computer program or something. You will be somewhat exhausted for the rest of the week, then have to pull another all-nighter to make up for the work you didn’t feel like doing, then ...

1. Use the course outlines given to you by your professors in the first week. If one does not appear to be forthcoming, ask for it. It helps you set your priorities (mark-wise) and helps you pace yourself each week. Mark down the dates of tests and assignments on a calendar (your Skule calendar is a good choice!) so you won’t forget to prepare for them.
2. When (unexpectedly) you feel an urge to do some homework, do it! That’s when you can do your best. Some people are at their best in the morning, some in the evening, etc. If you figure out when your best working and playing times are, and you use them to your best advantage, you will be well ahead of the game.
3. By the way, if you have to commute, try to do some work on the bus or subway. Nobody will bother you, and remember, it is wasted time otherwise.

1. As for the Christmas holidays and Study (Ski) Week, plan on getting nothing done during these periods, because that’s exactly what will happen anyway.
2. Finally, make friends. They are a good source of help on a problem set, among other things. You just may be able to survive on your own, but do you really want to?

All of these strategies may not work for you. Try them and find what works best out of what we have mentioned and tailor it to yourself. To work out your own solution just remember this — DO THE WORK AND develop an EFFECTIVE WORK HABIT.

Exams

Exams are virtually all made up of problems, not essays. This means it is really possible to get zero or some other incredibly terrible mark. Oftentimes you will leave an exam convinced that the proper course of action for you is to transfer to a basket weaving course at some community college.

Ah, but if an exam consists of a lot of problem-type questions, wouldn’t you do better if you did your problem sets beforehand? Hmm.

Nearly all profs believe that the mark distribution should average somewhere around 65-70%. The marks are usually ‘adjusted’ to fit, so what really matters is how badly you did in relation to the rest of the class. (If everyone else failed too, then your zero looks only half as bad.)

Just In Case

One oftentimes walks into an exam feeling terrible. If there is a good medical excuse for this, or even if it is just exam nerves, take advantage of the provisions for petitioning the Examination Committee.

The way this is explained in the Faculty calendar, you get the impression that extensive hospitalization or death (yours) might, just possibly, be acceptable petition subjects, sometimes. In reality anything from a bad trip to a bad cold is legitimate and worth the short walk over to the Health Service. It costs nothing and may be worth quite a few marks. Do your petitioning at once, however, since they somehow suspect petitions which arrive simultaneously with the receipt of the final marks.

So, there you are: Everything you need to know ... All that we can say now is “good luck”; “if in doubt, ask”; and “success occurs when preparation meets opportunity”. Every problem set, midterm and (ugh) exam is an opportunity. Prepare and ye shall succeed.
First Year Committee

First Year is so much fun that some people come back and do it a second time. The First Year Committee is the group who sees to the full distribution of such fun.

Early in September, each Frosh teaching group will elect one of their classmates to represent them on the Engineering Society Council.

Representatives will be chosen to sit on the Faculty Council in a similar manner.

These are the dedicated and tireless new Skulemen who comprise the First Year Committee. They elect from their number, one supreme leader, the First Year Chairman, who is privileged as a member of the Executive Committee of the Society.

It is the duty of this group, under the leadership of its chairman, to inform the plebian hordes of upcoming Society events, to instil a healthy amount of Skule spirit, as well as to plan and to execute numerous Engineering events intended to introduce Frosh to Skule life.

Frosh have traditionally been involved deeply in the Chariot Race, several pubs each year, the Slave Auction, Oktoberfest, the Cannonball’s intercourse Competition, and sports, not to mention BFC capers, so we won’t (not that they exist anyway). Aside from these more traditional events, each year the committee tries to leave its own lasting impression on the traditions of the Soc.

For instance, this year, major inroads were made in the development of better control methods for the Frosh pubs. It was found that the original issue of steel clubs to quell the overzealous resulted in some amount of overkill, and the marshalls were re-issued with rubber clubs instead. Not only did Frosh mortality decline, but attendance at the pubs increased by one.

Seriously, the last committee did a bang-up job, and we anticipate next year’s group will prove even more resilient. Many of last year’s members are still active in other responsible areas of the Society. We think that this year you can do as well. Cum on out and contribute — it’s for your own increased enjoyment!

Not for Frosh Eyes Only!

The Engineering Stores
FOR ALL YOUR SKULE NEEDS!

First Year Textbooks
Drafting Supplies
Stationary and Skule Supplies
Engineering T-Shirts and Rugby Sweaters
Schaum’s Outlines
Calculators
Lots of Other Stuff
at the Best Prices on Campus

Located in the basement of the Sandford Fleming Building.
SKULE SPIRIT

Engineering at the University of Toronto consists solely of lectures, labs, tutorials, problem sets, quizzes, midterms, and exams, ad nauseum - TRUE or False?

Those of you who answered true will probably already have your little hidey holes staked out at the Robarts Library and are doomed to a dull boring academic life. Those of you who answered false may give yourselves a pat on the back and a beer in the hand.

Skule life consists of considerably more than academic study because the U of T Engineers have a reputation as the most "spirited" group on this or any other campus in the country. This reputation is well earned and the maintaining of said reputation is the ongoing concern of the Blue and Gold Committee. Why call it "Blue and Gold"? Because these are the Skule colours, the concept of which promptly suggests the idea of "spirit".

The Blue and Gold Committee strives year-round to promote Skule spirit. Over the years, this responsibility has manifested itself in many ways. Today, B&G oversees many of the groups and events that make Skule unique.

The Lady Godiva Memorial Band, otherwise known as the Band, has become a permanent fixture of Skule. This group of talented rowdies and quasi-musicians can be found performing at Varsity Blues games, leading parades of all sorts and appearing at prominent off-campus events, provided of course, that they are not invited to attend.

The Brute Force Committee, which does not exist, never has existed, and never will exist, is an entirely imaginary organization which never perpetrates complex, convoluted, and hilarious practical jokes. It is not responsible for the annual painting of the SAC dome, it did not park a car in the President's office, it did not journey to Queen's University to steal the Grease Pole, and it did not make away with the Waterloons' Rigid Tool and encase it in concrete.

Those who participate in the activities of the Band and the BFC are considered active members of B&G. However, there are many other events which qualify their participants for membership in this illustrious committee. Homecumming provides Engineers with the opportunity to demonstrate their float-building skills (so the LGMB can promptly disqualify the float during the annual Parade and Contest). Oktoberfest, one of the biggest bashes of the year, is largely run by B & G, as are all regular engineering pubs throughout the year. Godiva Week, a fun-filled five days in January, gives B&G members the chance to plan multiple events including Godiva's Resurrection, Boat Races (the annual drinking relays), the world famous Chariot Races, Ski Day, and Godiva's Wake, the ever popular pub.

Of course, there are many other ways that Engineers prove themselves the most spirited and active students on campus. This handbook will introduce you to a few of them; to find out more, you have to get involved. It could be the best thing to happen to you at this University (aside from passing). If you would like to demonstrate your Skule spirit and have fun doing it, a good place to start is with the Blue and Gold Committee.

Bear (Martin Kuntze)
B&G Chairman
Presenting......

The Triple Prize Winning, Quadruple Record Setting, CN Tower, Eaton'sCentre, and Roy Thompson Hall Opening, Subway Opening and Closing, Lady Godiva Memorial Band, Gregorian Chant Society and White Noise Brigade.

Lady Godiva Memorial Band

The Lady Godival Memorial Band, semi-officially known as "The Band", and locally known as a damn nuisance, has insulted musical tastes for the last 35 years. As U of T's Engineering Spirit Band, the Band is also the University's unofficial official band, which means free recitals at important campus events, command performances at football and hockey games, and many other wild and fun events.

The Band has gained great public renown (rhymes with renown) for some of its recent activities. Our starring role in last September's opening of Roy Thompson Hall received rave reviews in major Canadian newspapers. The bi-annual Grey Cup Parade Crash allowed us to poison the air waves on a national basis. Yes, folks that was Lloyd Robertson humming "Godiva" on the CTV network.

The Band has also assisted in the opening of the CN Tower (the World's Tallest Free Standing Band Event), the Eaton Centre (they still remember, and give us a special welcome each time we drop in), and Fort Jock (knit one, purl two, Pauline McGibbon, yoo hoo). The Band is also known for entertaining captive audiences during regular Subway Concerts.

Many senior Band types are graduates of the Music Faculty's Music Depreciation 101. This becomes painfully evident upon hearing our extensive repertoire, which includes old show tunes, rousing spirit songs, and hot rock numbers. Our favourites, however, are the wide selection of silly and dirty songs which you will hear over and over as the year progresses.

By now you are probably wondering, "How can I join this illustrious group of happy, enthusiastic, spirited (and probably intoxicated) engineers?" Well, there are three, count'em, three ways to join. The first, for frosh only, is to come on out to Hart House Farm on Sunday, September 11 and join in the L.G.M.B.'s annual rehearsal. The second way involves coming down to the Engineering Society any lunch hour and saying, "I wanna join the Band." The people there, after trying to convince you to change your mind, will point you toward your friendly neighbourhood Band leader. The third, and wimpiest approach, is to sneak into the Engineering Society, find the bulletin board marked LGMB, and sign your name and telephone number on the posted sign-up sheet. Easy, isn't it?

Now let's play question time: "Should I join the Band?"

Yes, yes, yes! The Band is always looking for new talent.

"Do I need to know how to play an instrument?"

No, no, no! Plenty of steady Band types don't play instruments — they sing, or bang on a firebell, and still have a wonderful time.

"Am I really welcome?"

Yes, yes, yes! All people of spirit and fun — engineer, artsie, or rubbie — are welcome.

"Do I need to make a commitment?"

No, no, noooo! The Band understands that you are busy trying to pass, and if you can't come out, no problem. Just come when you have time, and enjoy.

"What do I get from it?"

a) A damn good time;
b) Free beer;
c) TV exposure;
d) Free entrance to pubs, football games, etc., etc.;
e) A chance to meet Eng Soc people — a great way to get involved and find your niche;
f) A chance to use your musical ability and that rusty old horn;
g) Fun, fun, fun!
h) A chance to tell the Band leader to shut up....

Anyway, if we look like your kind of fun, bring your instrument and/or yourself and join in. You'll love it!

Dave Booz
Band Leader
Knit one, purl two, ————, Yoo hoo!

Mathies Cheer

\[ e^x \frac{dy}{dx} \]
\[ e^x \text{ dx} \]
\[ \secant, \text{ tangent, cosine, sine} \]
\[ 3.14159 \]
\[ \text{Square root, cube root, Q.E.D.,} \]
\[ \text{Slip stick, slide rule, pphhtt U.C.!} \]

Go Get'Em

Go! go! get'em! get'em!
Ooh! Aah!
(start slowly, then repeat faster until satisfied)

Cheers!

Guide to Creative Noise

Songs

Be an Artsman!

Be an Artsman, be intellectual;
Be an Artsman, be homosexual;
Be an Artsman and you will be a queer;
For you'll never be an Engineer!

Washington and Lee Swing

When marching bands and policemen fall in line
We've got to win a game another time
And for the Blues I yell, yell, yell, yell,
And for the university I yell like hell!
We're gonna fight fight fight for every yard
Circle the ends and hit the line right hard,
And roll the enemy upon the sod,
Rah, rah, rah!

Mailman

I am happy, I am gay;
I come each and every day;
I'm your Mailman.
I knock your knockers, I ring your bell;
Don't you think that I am swell?
I'm your Mailman.
I can come in any kind of weather;
Don't you know my bag is made of leather?
I don't mess with doors or locks;
I just slip it in your box;
I'm your Mailman.

When I'm walking down the road,
Gee, I love to drop my load;
I'm your Mailman.
When I'm walking down the lane,
Women say please come again;
I'm your Mailman.
Each one wants as much as I can give her;
Each one says she wants me to deliver.
When you're feeling down and blue,
I've got something good for you;
I'm your Mailman.
The well-read among you may recognize the mysterious disappearing Cheshire cat of Alice in Wonderland fame, who managed to make a complete exit from the scene with the exception of his smile. Alice, of course, was quite skeptical of the whole occurrence, for she had seen cats without smiles, but no smiles without cats. Obviously this cat needs a smile.

The same thing applies to kids. There's no mystery about the fact that Cystic Fibrosis is a disease that takes the smiles out of the lives of many kids, most of whom will never get to be old enough to go to university or have as much fun as you're having.

This isn't really something you like to think about, but it happens, far too often.

What can you do to help? The answer to that is Shinerama. During this day-long event, engineers, nurses and various others join together in a group effort to raise money for kids with CF by providing a worthwhile service to the people of Toronto. That is, we shine shoes and, maybe this year, wash cars. Not exactly glamorous work, but lots of fun, and hey, you might be saving some kid's life.

So don your shining gear and F'rosh t-shirts on Saturday September 10, and wind up your week of having fun by helping out with Shinerama. We need your support to help give a kid a smile...and the breath of life.

Linda Tremblay for Shinerama '83
And it is written that each year the multitudes of Frosh will ask the age-old question: "What is this thing called BFC?" After giving each Frosh the required kick in da ass, upperclassmen will inevitably answer: "The Brute Force Committee."

Deep below the vast oblivion of the University Campus, in the catacombs that time forgot, lie the headquarters of the only organization which is known to strike terror into hearts the world over. From these headquarters, a close-knit team of fearless specialists plan and carry out operations of unparalleled sophistication.

Under the leadership of the infamous Chief and his trustworthy, but unscrupulous assistant, the Chief's Ass., six devious ministers rule the departments of Ignorance, Factotum, Defense, Nocturnal Events, Communications and Wealth and Hellfare. Of course, the Blinded Dog Squad and the Break and Enter Squad also play key roles in terrorizing the U of T campus.

In the past, it has been rumoured that this organization was responsible for planting a 35 foot tree on the forestry building; attaching 8 foot Mickey Mouse ears to the SAC dome; depositing great quantities of anything and everything in the President's Office; and stealing the University of Waterloo's Rigid Tool.

And who could forget those noon time Slave Auctions where nothing is left to the imagination?!

Only at pubs is it known for a fact that the BFC is responsible for doing what they do. At these events, they wear blue hard hats, consume modest amounts of free beer, and meet young nurses (oh yeah, female engineers too), while working as pub bouncers.

The BFC knows no bounds, as it strives to bring fun and frolic to less fortunate areas of the campus as well as to the world, scorning those who cannot laugh at themselves. The BFC always seeks to edify the Engineer and vilify the Artsie.

Informants and agents of the BFC are located everywhere. Frosh recruitments will occur in the first week of Skule. Interested upperclassmen are also urged to get involved. If you can't find someone, leave your name and phone number in the BFC mailbox in the Engineering Society Offices.

Dave
The Chief
The Long and Glorious History of the

MIGHTY SKULE CANNON

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.

I: 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 'Attilator' 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 Attilator 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.

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, and then mysteriously disappear. The authorities unsuccesssfully attempted to track down this will-o’-wisp.

And in 1935, during a slave auction the cannon was fired on the steps of the Old 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 a 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, thus 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 artman’s honour. On Feb. 13, 1945, UC Lit announced that the Cannon would be returned at the annual Arts Ball. The Toke, in a fit of editorial passion called it a 'daftly 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 ef-
fort. 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 realizing that they were 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 the missing Meds Society president, Bob Hetherington, were calculated by a federally appointed mediator. After a few days 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, engraved 'Skule Cannon'. It seemed Santa had a close friend, a fine machinist 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 Ye Skule Canononeers 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 the barrel were chrome plated.

One fall night in 1959, artists broke into the Engineering Stores in an attempt to steal the Cannon. Believing 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 the men of Skule kept them from enjoying an extended vacation (at government expense) in Kingston.

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

To help publicize the Blood Donor campaign, the Skule Cannon appeared at the Blood Donor Clinic. It had been guaranteed safe conduct, so the Cannon was without its usual armed bodyguard and was attended by only two Skulesmen. After a long battle, the Skulemen overpowered the Skulesmen 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 over 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 members 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 then 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, 1959 the scores of battles finally took their toll and our faithful Cannon had to be fitted with a new barrel. The new barrel was machined from a stainless steel bar 12" long, a diameter of 2", and a 6" bore. The barrel was installed by Cannoneer Bill Riggens who also oversaw its construction.

In honour of the many battles an 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 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 LGMB when the Engineers literally stopped the Homecoming show for ten minutes while a presentation was made to an ex-Skuleman. Needless to say the crowd (consisting mostly 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 and 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 that shook the Alumni Hall. The B.F.C. then scattered leaflets proclaiming Skule Nite and Cannonball.

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 Skulesmen 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. 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 would attest.

On September 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 was standing at least 25 feet from the Cannon compared with the recommended distance of 10-15 feet. She was taken to hospital for treatment.

Further activities were banned at the Dean’s request, pending a series of tests to be carried out by Professor MacElhinney of the Chemical Engineering Department, to determine a new safe loading and firing 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 Professor MacElhinney be there to supervise. The Cannon was fired twice on this occasion with different amounts of wadding each time. Scatter and disintegration patterns of 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 Victoria College library. A strong protest was lodged as there was a funeral in Alumni Hall at the time.

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, Mike Chapelle and Howie White spirited away the Cannon, spilling nary a drop of blood in the process. These bold fiends were graduate Engineers, as exhibited by their recklessness, fearlessness and treachery.

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

But six brave Engineering grads took it upon themselves to restore the pride of Skule to its rightful owners and tracked it down, all the way to UC (oy!) in England. Don Munro (ex-bandleader and Eng.Soc. president) and Fraser Dunford stole into Chapelle’s room, and with nary another drop of blood, Skule had its manhood back.

And then it was on 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 with the safe return of our blessed piece. Chapelle followed them to Coventry, but the Skulemen outnumbered him and he backed off after some unpleasantness.

The Cannon was taken to Wales and then back to Canada. The fact that an Engineer had stolen the Cannon was very embarrassing and the whole theft was hushed up. The Eng.Soc. had had another Cannon built when they found out the old one was gone, but the new Cannon was announced to the world to have been built in honour of Canada’s Centennial.

The barrel of the new Cannon was 11” long and had a bore of 5”. The carriage was of mahogany and was equipped with wheels, and the barrel and wheels were chrome plated.

IV: THE MODERN ERA

With a spanking new Cannon, Skulemen’s spirits were given a much needed lift (le hic). But it was barely a year old when another attempt was made to snatch our banger, this time by an Industrial Engineer. He was unsuccessful in his attempt and spent the next few weeks as a guest of Toronto General Hospital, courtesy of the Engineers.

The ’59 Cannon made a brief appearance at the 679 Cannonball where it was fired by John Adam (Cannoneer ’63). The ’59 Cannon was then reported to have formed the basis of the Annual Skule Cannon Award. However, this was more fiction to cover up the ’67 Cannon Gate.

The year 1971 brought the first gang bang 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 the 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 maker 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 of diameter 3" and bore of 6", this zenith of perfection would easily strike fear into the heart of any mortal.

The first formal firing of the marvellous weapon was at the 1973 Centennial Ball and on the third try it actually fired. Dean Ham fired the 1967 Cannon for the last time and was then presented with it in honour of his retirement from 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 L.G.M.B.) to scare the Cannoneer (who had carelessly left it unguarded in the band room).

But in 1976, Robert Gilmour (the Cannoneer!) was found guilty of defacing the Cannon. John Vanneste, a former Cannoneer, was called from retirement to fire the Cannon, since 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 passed a motion of censure against 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.

In the beginning of 1982, our glorious banger was called upon once again to prove itself. The first round of yet another gang bang was held during Godiva Week on a bitterly cold Front Campus, with contenders from Ryerson, Devonshire House and some forgotten fraternity all trying to wrest the glory from Skule’s Cannon. The impartial judges from Labatt’s, armed with the latest in decibel meters, quickly banished Devonshire and the fraternity from the field. Due to faulty calibration, both Ryerson and Skule were off the scale.

A second round was then held, its location being the heart of Ry-high. This time with heavy duty equipment and special shielding, the outcome was certain; Skule had once again triumphed.

For the record, our mighty device was measured at a level of 113 decibels from two hundred yards distance.

V: CARE OF THE CANNON

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

As a matter of protocol, the Cannon is fired by a cigarette butt after a number of convenient 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. To eradicate any ideas about stealing the Cannon, they are trained to kill at the slightest provocation. 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.
ORIENTATION
GUIDE 83

Tuesday, September 6
8:30  Arrival in Convocation Hall
9:30  Introductions and Speeches
10:30 Special Guest Appearance by LGMB
11:00 Campus and Department Tours
12:00 Lunch — go to your departmental common room
1:00  Encounter with Lady Godiva and SAC — meet in front of Con Hall
1:45  Group Picture on Front Campus
2:30  Walking Tour of Downtown Toronto and Shinerama Rally
4:30  Introduction to Nursing and Beer at D.J.’s (Hydro Place)

Wednesday, September 7
12:00-2:00  Moonball Game (Front Campus)
3:00-5:00  Tug-O-War, Human Pyramid — meet at College St. Parkette beside the Old
           Metro Library
6:00-9:30  Scavenger Hunt

Thursday, September 8
12:00-1:00  Nursing Caper — meet in SF Atrium
1:00-2:00  Toilet Bowl Game — football game on St. George St.
4:00-5:00  English Proficiency Test for illiterate Frosh
5:00-7:00  Sports Pub (SF Cafeteria)
7:00-10:00 Cloak and Dagger Night — meet in SF Atrium for an evening of hi-jinx

Friday, September 9
12:00-1:00  Pre-Shinerama Bed Races — location TBA
4:00-7:00  Sanford Fleming Pub
8:00-1:00  SAC Roamaround — Engineering Pub at Wetmore Hall

Saturday, September 10
9:00-11:00 Shinerama Breakfast — location TBA
11:00-4:00 Shinerama — location TBA
4:00  Shinerama Dinner — location TBA
8:00  Shinerama Pub — location TBA
1:00  Engineering/Nursing Frosh Sleepover

Sunday, September 11
7:00  Morning Calisthenics (Front campus)
9:00-6:00  Hart House Farm Trip — board buses in front of SF

Watch for posters announcing the times and locations of events still to be determined.
### September 83

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<td>TOIKE OIKE</td>
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<td>Hard Hat Contest-SF Pub 4 pm</td>
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THIS MONTH
SHOW YOUR
SKULE SPIRIT

Don’t just think about it, do it! Cheer the Blues on against Waterloo, ride the Homecumming Float, party at the Concert Hall or polka your heart out at Oktoberfest. This is the month to get out there and show everyone what SKULE is really about!
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<td>CANNON</td>
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<td>Hockey Tournament continues Homecoming game and parade-Waterloo at Toronto 2 pm Homecoming Concert -Concert Hall 8 pm</td>
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BLUE AND WHITE  (U of T's School Song)

Old Toronto, mother ever dear,
All thy sons thy very name revere
Yes we hail thee
Ne'er will fail thee
But we shall sing thy glory with our might(for we are)
Ever loyal, faithful, frank, and strong
We will sing thy praises in our song
Aye and hail both loud and long
The royal Blue and White(FIGHT!FIGHT!FIGHT!)

Toronto is our University
Shout, oh shout men of every faculty
Velut Arbor Aevo,
May she ever thrive O
God forever bless our alma mater.

CHEER:

TORONTO, TORONTO, TORONTO VARSITY!
(WE) SHOUT (AND) FIGHT (FOR THE) BLUE (AND) WHITE
(AND THE) HONOUR (OF) U OF T!
RIPPERTEE, RAPPERTEE,
RIPPERTEE RAPPERTEE REE!
TORONTO, TORONTO, TORONTO VARSITY!
YAAAY . . . TORONTO!
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<td>TOIKE OIKE</td>
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**Tuesday, November 1:**
- CANNON

**Wednesday, November 2:**
- Eng Soc Executive Meeting

**Thursday, November 3:**
- Last day to drop a fall term course without penalty

**Friday, November 4:**
- Remembrance Day Last day to withdraw from fall term without penalty

**Saturday, November 5:**
- Hockey-Windsor at Toronto

**Tuesday, November 8:**
- Hockey-Waterloo at Toronto (All home games at 7:30 pm)

**Wednesday, November 9:**
- TOIKE OIKE

**Thursday, November 10:**
- Football-Vanier Cup National Championship 1 pm

**Friday, November 11:**
- Hockey-Guelph at Toronto

**Saturday, November 12:**
- Engineering Pub

**Monday, November 15:**
- Eng Soc Executive Meeting

**Tuesday, November 16:**
- CANNON
Engineers' Glossary

APSC - abbr. Applied Science
Bed Races — traffic-blocking escapade on St. George Street.
BFC — a mythical organization that does not exist, and never will exist.
BNAD — see LGMB.
Book of Skule — the Engineering yearbook. Buy one!
Cannon — symbol of Engineering might: a.k.a. the mighty SKULE CANNON. Guard it with your life.
The Cannon — technical and current affairs newsmagazine for Engineering students; See ENGCOM.
Cannonball — annual Engineering semi-formal. Find a fun person and cum.
caper — refer to BFC (Note: This term has absolutely nothing to do with the BFC.)
Chariot Races — competition between departmental chariots on Front Campus during Godiva Week.
death row — Bloor St. between St. George and Avenue Rd. It's amazing what can be done to perfectly good food.
Ella — (gosh!) she who really runs this place; can be found in Eng Soc offices
Eng Com — Engineering Communications, home of the Toike, The Cannon, the Book of Skule, etc.
Eng Soc — Engineering Society. Fun? Wow!!
EUT, ASUT, PUT — don't ask!! Ever!!
exam — a four-letter word.
Fl — abbreviation for everybody's favourite four letter word: adj. Fling.
Frosh — see Fl!
Fort Book — known to some as the Robarts Library; known to others as Big Ugly Thing.

Fort Jock — a place to find jocks or jockettes.
gang bang — an annual competition where impotent pretenders challenge the mighty Skule Cannon.
Godiva Week — fun-filled week in January.
Grad Ball — last bash before the final crash.
Joe E. Skule — Legendary Skuleman. First BFC Chief.
June — (jeez!) found behind the counter at 'the Stores' Smile!
LGMB — Lady Godiva Memorial Band.
make-up — publications function including the creation of articles, disposal of beer and similar acts of literary greatness.
mice — campus cops. Hey, Mickey!
nurs — syn. nurse.
Oktoberfest — beer, polkas, more beer.
perma-frosh — see retreat.
retread — see perma-frosh.
SAC — syn.
Shinerama — one of Skule's favourite charitable events.
Skule — (note metric spelling; your home for four years (God and Faculty willing).
Skule Nite — the annual musical comedy revue. Try out even if you have talent.
Slave Auctions — wouldn't you like to know!
smoker — cheap beer, cheap food, card games and profs.
SPS — abbr. School of Practical Science.
steam tunnels — see EXPULSION in the Faculty Calendar.
The Stores — the Engineering Stores. The place to get stuff cheap.
Toike Oike — Skule's infamous humour (?) publication.
upperclassmen — grown-up (?) Frosh.

November
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Christmas Day — Buildings Closed

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Godiva Week
Join the fun!

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*Last day to add or substitute spring term courses*
GET INVOLVED
GET ELECTED!

Eng Soc Nominations Open This Month

So now you have heard all about the Engineering Society and you want to get involved. The easiest way to do so is just to come out to any of the events you have read about and join in, or drop by the Engineering Society office (Sandford Fleming B670) and discover what is going on. If, however, you want to help decide what is going on, or you want to represent your class on the Engineering Society or Faculty Council, then you should get elected.

During the week of September 19-23, someone will come to one of your classes (all first and second year classes) and ask for people who are interested in being Engineering Society or Faculty Council representatives for your class. If there is more than one person per position, the class will vote on who they want. This will be done by a show of hands. Both of these people will represent your class on the Engineering Society and one of them will also be on Faculty Council. Even if you do not get elected or if you don’t run, you can still join the Engineering Society’s committees. Just drop by the office and find out when they are meeting next.

The Society also has 5 executive officers (President, Vice President Administration, Vice President Activities, Treasurer and Secretary). They are elected in an election in early March. At that time you can read statements from the candidates in The Cannon and you will probably hear some campaign speeches. You should consider these candidates, think about their experience, and go out and vote for the people that you think should run the Society next year. The Society is supported by your student fees. You owe it to yourself to ensure they are spent wisely.

The Society is supported by your student fees. You owe it to yourself to ensure they are spent wisely.

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SKULE NITE

Notwithstanding the roar of the greasepaint and the smell of the crowd (or vice versa), the annual musical-comedy revue produced by the Engineering Society at the University of Toronto, will rise like a phoenix from the ashes of last year's debacle, and open at Hart House Theatre on Wed. March 7, 1984 to once again reaffirm that Engineering students are the most active and creative students on campus.

Skule Nite, in its present form, consists of a loosely-related series of songs, dances, blackout, sketches and comedy routines that poke fun at all those sacred cows the campus administration spends so much time and money creating. No one is safe from the pernicious wit (such as it is) of Skule Nite, even Dr. Bette Stephenson, not to be confused with cows, sacred or otherwise.

Skule Nite was first performed at Massey Hall in 1921, and has undergone a number of changes over the past 60 years.

This long and respected tradition can only be perpetuated with the constant influx of fresh blood. So to speak. (Rehearsals come later.)

In other words, Skule Nite wants you! Skule Nite needs actors, singers, dancers, musicians, writers, designers, stage crew and other techies. And needs them bad. Writing meetings will be held in the fall (all Skule Nite material is written, or at least compiled, by the students). Look around for posters and notices advising you of dates and times.

Auditions for the Skule Nite Band are being held the week of Oct. 15. Auditions for the cast and crew will be held the week of Oct. 22, with callbacks the following week. Place and time will be posted. Join Skule Nite 8T4 and be noticed. You could do worse.
# March 84

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- **March 1**: Eng Soc nominations close
- **March 6**: Skule Nite Election Campaign
- **March 13**: Second and Third Year Elections
- **March 20**: Joint Eng Soc Council Meeting
- **March 27**: Engineering Pub
Eng Sci Exam

Instructions
Read all questions carefully. Answer all questions fully. Time limit: 4 hours. Begin immediately.

History
Describe the history of the papacy from its origin to the present day, concentrating especially, but not exclusively, on its social, political, economic, religious and philosophical impact on Europe, Asia, America, and Africa. Be brief, concise and specific.

Medicine
You have been provided with a razor blade, a piece of gauze and a bottle of Scotch. Remove your appendix. Do not suture until your work has been inspected. You have fifteen minutes.

Public Speaking
Twenty-five hundred riot crazed aborigines are storming the classroom. Calm them. You may use any ancient language except Latin or Greek.

Economics
Develop a realistic plan for refinancing the national debt. Trace the possible effects of your plan in the following areas: Cubism; the Donatist controversy; the wave theory of light. Outline a method for preventing these effects. Critize the method from all points of view. Point out deficiencies in your point of view as demonstrated in your answer to the last question.

Political Science
There is a red telephone on the desk beside you. Start World War III. Report on its socio-political effects, if any.

Physics
Explain the nature of matter. Include in your answer an evaluation of the impact of the development of mathematics on science.

Biology
Create life. Estimate the differences in subsequent human culture if this form of life had developed fifty thousand years earlier, with special attention to its probable effect on the English Parliamentary system. Prove your thesis.

Engineering
The disassembled parts of a high powered rifle have been placed on your desk. You will also find an instruction manual printed in Swahili. In ten minutes a hungry Bengal tiger will be admitted to the room. Take whatever action you feel appropriate. Be prepared to justify your decision.

Astronomy
Define the universe. Give three examples.

Sociology
Estimate the sociological problems that would accompany the end of the world. Construct an experiment to test your theory.

Philosophy
Sketch the development of human thought and estimate its significance. Compare with the development of any other kind of thought.

General Knowledge
Describe in detail. Be objective and specific.

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Know Your Hardhat

It has been said that the brain of the newly arrived Frosh is one of the most beautiful things in the world. Pristine and unsullied by thought, the Frosh brain is ready to receive the vast quantity of knowledge to be inflicted on him (her or it) in the next 4 (5, 6, ... n+1) years. Unfortunately this most perfect instrument can easily fall victim to the violent physical and semi-intellectual attacks of artsies, medics, and suchlike inferior beings.

To this end, the powers that be (Eng Soc) provide each and every fee-paying Frosh with a water resistant, shockproof, mystically powerful hardhat. A hardhat is the Skuleman's most valued possession, surpassing even his calculator or Metropass.

There are many ways to decorate a hardhat. The wimpy approach is to just put your name, class and graduating year. Slightly more ambitious Frosh resort to gluing on beer bottle labels, bottle caps and tuff words such as FI, SHIT, ENG SCI SUX, ELEC, MECH, GO SKULE and other meaningful and profound words of wisdom.

Within the hierarchy of Skule, there are many types of hardhat, all of them denoting some rank or lack thereof.

**White**: A powerful and pure colour bestowed only upon those destined to lead the mighty machine of Skule.

**Blue**: The mythical blue hardhat is issued to those who serve in the mythical non-existent and wholly denied BFC. Wearers of this head garb are selected for their courage and tenacity.

**Green, Red, and Dark Blue**: The colours of the scribes of Skule. These scholars are charged with the faithful, knowledgeable and true recording of the history of the Engineering Society. Green is for the Toke Oike, Red serves the Cannon, and Dark Blue is of The Book Of Skule.

**Black**: The most holy of all, the Black is only worn by those who serve THE MIGHTY SKULE CANNON. These hats are to protect the wearers from the numbing blast of their charge.

**Yellow**: The colour worn by all other Skulemen. While not a badge of office, it does signify the Skuleman’s superiority over all other life forms ranging from the amoeba all the way down to the tiniest artsie.

Your hardhat is your friend for life. Treat it well and it will return your affection manifold.

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**Faculty Council Meeting**

**Unemployment Begins**

**Mother's Day**

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**Key Dates**

- **May 6**: Exams End — Yahoo!
- **May 12**: Get Stinky Day
- **May 15**: LGMB Summer Tour Begins
- **May 22**: Ella's Birthday
- **May 28**: Victoria Day

**Other Note**: Please check the calendar for any additional important dates or events.
Murphy's Laws

1. **Murphy's Law** — if anything can go wrong, it will.
2. **Patrick's Theorem** — If the experiment works, you must be using the wrong equipment.
3. **Skinner's Constant** — That quantity which, when multiplied times, divided by, added to, or extracted from the answer you got ... gives you the answer; also known as Finnegan's Finagling Factor.
4. **Homer's Five-Thumb Postulate** — Experience varies directly with equipment ruined.
5. **Flafle's Law of the Perversity of Inanimate Objects** — Any inanimate object, regardless of its composition or configuration, may be expected to perform at any time in a totally unexpected manner for reasons that are either entirely obscure or else completely mysterious.
6. **Allen's Axiom** — When all else fails, read the instructions.
7. **The Spare Parts Principle** — The accessibility, during recovery, of small parts which fall from the work bench, varies directly with the size of the part ... and inversely with its importance to the completion of the work underway.
8. **The Compensation Corollary** — The experiment may be considered a success if no more than 50 of the observed measurements must be discarded to obtain a correspondence with theory.
9. **Gumperson's Law** — The probability of a given event occurring is inversely proportional to its desirability.
10. **The Ordering Principle** — Those supplies necessary for yesterday's experiment must be ordered no later than tomorrow noon.
11. **The Ultimate Principle** — By definition, when you are investigating the unknown you do not know what you will find.
12. **The Futility Factor** — No experiment is ever a complete failure — it can always serve as a bad example.
GOD SAVE THE ENGINEER

God save the Engineer;
Feed him on rum and beer;
The Engineer.

He loves to drink and sing;
Nurses he’s sure to bring;
On campus he is king;
The Engineer.
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To Alumni of the Future (That's You!)

How many of you know that the Engineering Alumni Association has an office right here in the Galbraith Building? Well we do! If you are heading in to see Dean Slemon, turn right just before you hit Miss Nourse. The door is always open!

How many of you know what the Engineering Alumni Association does for you? Lots! In 1982:

- we contributed $206,000 towards the cost of your education
- we provided Orientation T-shirts
- we sponsored a pub on Homecoming weekend
- we contributed towards the Engineering Society’s involvement in the Ontario Engineering Design Competition
- we assisted our Engineering Society in sending delegates to the Conference of Engineering Societies in Vancouver
- we supported “Skule Nite” and the Grad Ball
- we organized a Careers Seminar for 4th year students
- we sponsored noon-hour musical events in the Sandford Fleming Building
- we paid for the installation of the Telidon terminals in the Galbraith Lobby

Your attendance here automatically makes you eligible to become a full and continuing member of the Engineering Alumni Association — for life! This membership is a right, but a responsibility as well. It offers privileges of which you will become aware, and opportunities for service both with the University and to the world.

Remember this. It is an important message. And, by the way, drop by for a “rap” if you're near GB 167. Like I said, the door is always open.

Malcolm McGrath
Assistant to the Dean
Alumni Liaison
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No Poofters Day
The Engineering Society, Canada’s oldest engineering organization, was formed in 1885 and will celebrate its centennial in 1985.

Since its inception, Eng. Soc. has undergone many changes. Its first president was John Galbraith (named after a famous university building), the Dean of Engineering at the time. The first undergraduate president was H.E.T. Haultain (also named after a famous university building) who followed directly after Galbraith.

The goals of this 35 member society included the encouragement of original research in Engineering, the preservation and dissemination of the results of such research, the culmination of an attitude of mutual assistance and co-operation among its members both in preparation for and in practice of the profession of engineering. As well, it was an official means of communication between the students and the faculty, the university and other student bodies. The latter has become more prominent since the First World War.

These early societies held regular meetings for the purpose of presenting and discussing technical papers. These papers were published by the Eng. Soc. and led to the creation of an Engineering Library. Though the library is no longer a direct concern of the Eng. Soc., many other groups formed by and associated with the Society are still thriving.

The Engineering Stores began in 1888-89 as the Supply Department, a small room to house the Society’s books, papers and property. Not until 1891-92 did it begin to sell supplies, such as drawing paper to students. By 1908 it had acquired a permanent employee to buy and sell goods. Today, ‘the Stores’ is no longer a part of the Library and is a major supplier of school equipment with a student management and a permanent employee — namely June! (jeez!)

Originally, course clubs were established as debating clubs and now have evolved into the social organizations that exist today.

Academics have always been a major concern of the Society. It has voiced its opinions and criticisms of the curriculum and staff long before student party in governing the University was considered important. The Society’s actions, though quiet, are often effective — witness the number of students on Faculty Council.

A lively portion of Skule’s history is tied up in the capers and rivalries of old. Capers were more spectacular, and taken much more lightly. Records of floods, painted artsmen, and kidnappings all attest to this. Today, capers are under the jurisdiction of the (non-existent) B.F.C. and are as creative and as daring as ever.

The L.G.M.B. is a relative newcomer to the realm of Skule music. Its predecessor, the Toike-Oikestra, was formed in 1911 although singing and instrumental groups have existed in Skule as early as 1901. Formed in 1948, the L.G.M.B. has varied in size — from $\ln(x^n)$ to 250 at some football games — and has been officially recognized by the lord mayor of Coventry. Presently the L.G.M.B. has a number of musical merits to its credit, but in spite of these, remains its merry (a lovely girl) making self.

1920 saw the beginning of Skule Nite when the Eng. Soc. appointed a committee to organize a Stunt Night. The first annual “Ngymns in SPlSmS” was held in Massey Hall before an audience of 1343 with music by the Toike-Oikestra. The Skule Nite productions stopped in 1960, but was revived with great success in 1973 and now plays to a packed house in Hart House Theatre for three or four night runs.

The birth of the now infamous Toike- Oikestra was as an election pamphlet for the Eng. Soc. elections of 1906. It died during the First World War, but was reborn in 1920. The 70’s saw a change in its format to the tabloid format that is loathed and hated today.

Another event that was initiated as a result of the Eng. Soc. elections was the Chariot Race. Formerly an indoor event, the race was to celebrate the elections and the prize was, and still is, the Jerry P. Potter’s Trophy. Today’s chariots are somewhat larger and the participants better armed and armoured.

The Eng. Soc. has evolved from a social sort of club to a fully operational student government. The number of committees and events have grown, but it still remains a strong link between students, staff and graduates.

The Engineering Society in the past year has performed yet another first; it is the first society of its type to incorporate. After several years of planning and consultation with the Society’s lawyer and various government departments and the APEO, we were given the go ahead to formally become incorporated. Thus, on March 31, 1982, the papers were signed in the presence of the Engineering Executive by John Voss, the current V.P. administration, and John Burns, the previous year’s V.P. administration. Thus the Engineering Society has taken a large step towards becoming a more professional organization, acting as an entity rather than a mob of students.
'Round the Soc

Now that you know what the Soc is, you may well ask, "Where is it?" For all those who need enlightening, we have graciously provided a map to guide you to us.

Up until the 1982-83 academic year, the Eng Soc was housed in a decrepit structure known as the Old Metro Library (also known as "The Hole", "The Dump", "That Eyesore"). God and Simcoe Hall willing, the Soc was finally relocated in the new Sandford Fleming Building. Although we no longer have to be on the lookout for crumbling plaster ceilings and man-eating cockroaches, we now have to contend with a flourishing ant colony!

The Soc, tucked away in the south-east corner of SF's basement, Room B670, is the place to find those talented and enthusiastic people who organize and run events your money has paid for. The five executive officers have their offices here, as does Ella, the Communications Committee, the Engineering Athletic Association and the infamous Band. All other important people, i.e. committee chairmen, course club chairmen and class rep, have their own mailboxes just inside the main door. Here you will also (usually) find a student's best friend — a photocopier.

Our President, Ron McKenzie, can often be found working diligently in his executive office. The door is usually ajar, so stop by and say hello sometime. The Vice President of Administration, Andrew Alberti, and the Vice President of Activities, Bruce Christie, share an office, and if you can wallow through the piles of papers and crawl over the empty beer cases, you can ask them about anything to do with administrative matters and society events. Greg Dow, the Treasurer, and Alla Linetsky, the Secretary, presently share Ella's office.

Also in Ella's office sits, of course, Ella herself (gosh!). Now Ella is not merely a secretary; she is our resident miracle worker, the glue that holds the Soc together, and the one who knows who and where anybody who is somebody is. And, if you ask her nicely, she just might tell you.

The hard-working souls of the Communications Committee can often be found burning the midnight oil in B670E. ENGCOM is the home of the Toike Oike, The Cannon, The Book of Skule, the Handbook and Calendar, and countless other large and small publications, posters and papers.

Next door to ENGCOM in B670A is the formerly spacious, but now stuffed with equipment, abode of the E.A.A. Visit Judith Vosko, the all-knowing President, if you'd like to be a jock or jockette.

Last, but not least (because they are the noisiest), is the Bnadroom, packed to the ceiling with instruments, hard hats, bad sweaters and various "souvenirs" amassed from countless road-trips. For those musically inclined (and especially those who aren't) who are interested in having a good time, this is a good place to frequent.

Immediately across the hall from the Eng Soc in B720 are the Stores. Pay June (jeez!) a visit for Skule supplies and other stuff like t-shirts and rugby sweaters. To make life easier for Frosh, the Stores stock most, if not all, first-year texts and graphics equipment.

Now with all the money you saved by buying your stuff at the Stores, you will be able to grab a freshly baked donut or a plate of crispy fries in the cafeteria. Much to everyone's surprise, the food in this new cafeteria is quite edible and usually reasonably priced.

If you find it hard to believe that this small corner of the Sandford Fleming Building could be such a beehive of activity (and even if you don't), check it out for yourself. Whether its a burger, a book or a buddy you are looking for, this is the place to be.
Party like mad with the...

SOCIAL Committee

You're sick and tired of labs and you just can't face another problem set. What are you going to do? Party with the Social Committee, of course! The Social Committee works hard to bring you some of the biggest and classiest events of the Skule year.

Those who love polka-ing and beer-drinking German style (eins, zwe, drei...), are certain to enjoy Oktoberfest, while those who prefer more formal festivities will be wined and dined at the Cannonball, Skule's annual semi-formal. A Car Rally for fast drivers and Boat Races for fast drinkers are also brought to you by the Social Committee to liven up your Skule life.

Partying with your fellow engineers is always fun, but it can be even more rewarding if you help organize the events. If you are interested in being part of this year's Social Committee, drop by the Eng Soc and talk to Kevin Foody, the Chairman.

Come on out and join the party!

Not Just for Fourth Years Only!

Stop! Just because this committee is called the Fourth Year Committee doesn't mean that students in other years, including Frosh should ignore it. Yes, it is true that this committee organizes events which are of primary interest to fourth year students; however, we are also responsible for administering several awards for which you, as engineering students, are eligible.

Even if you decide to become very involved with your departmental clubs, you will be aware of the presence of this committee. In addition to the committee chairman, all the club chairmen are members of this committee. Summer Nights, grad photos, and the Kipling Ring ceremony are co-ordinated by us. Of course, we also organize one of the biggest and classiest events of the year, the Grad Ball.

All students should be aware that several dollars of the fee you paid on Orientation Day are used to establish a Grad Ball account for your graduating year. The interest earned on the account will further offset some of the cost of your graduation.

Despite the fact that at the present time you may not be thrilled about the functions of our committee, you should know what we do. You haven't seen the last of us.

Debbie Fletcher
Fourth Year Committee Chairman
Centennial Committee

The one-hundredth anniversary of the University of Toronto Engineering Society can only mean one thing: MEGAPARTY! As the newest member in Canada's oldest engineering organization, the Centennial Committee is extending a special invitation to you to get involved in the fun. Members of this committee will not only be able to uncover the origins of the traditions and events that have made Skule unique, but they will also organize commemorative events for the Centennial in 1985.

Engineers are known far and wide as people who work as hard as they play. The Centennial events proposed attempt to reflect both sides of Skule's men and women. Those who like to play can help run the Centennial Homecoming by working on the float, planning events for halftime at the football game, and preparing for the Banquet reunion that will take place in the stands. Pubs throughout the year will have a Centennial flavour to them (no, not hundred-year-old scotch!). In addition, a massive reunion for all alumni, staff, and students is in the works.

To show off the technical talents of Skulemen, the committee is attempting to build the world's fastest human-powered vehicle. The Centennial Bike Project needs people that have a knack for going fast, tinkering, or designing. It doesn't matter whether you turn a few screws or do some boundary layer calculations — we need you!

The Centennial Committee is working hard to show anyone who will pay attention (even arties) that the U of T Engineering Society has transformed an ordinary engineering faculty into that vibrant centre of campus activity that we call Skule. If you are interested in celebrating "A Century of Skill and Vigour", don't hesitate to contact me through the Engineering Society.

Gus Rinella
Centennial Committee Chairman

All New Academic Affairs Committee

So you want to be in politics, eh? Like to get right in there and see a good verbal fight with bloody noses (well, battered egos at least)!!

The Academic Affairs Committee (AAC) is a relatively new committee that meets regularly to deal with the meat and potatoes issues which concern Engineering students: how marks and exams are set, how your money is spent, what courses you take, and how your student rights are stomped on.

Everyone should attend AAC meetings. If you have something to say about your education, this is the place to say it. Watch The Cannon for the time and place of each meeting.

Paul Shindman
AAC Chairman

Women in Engineering

It used to be a man's world, but it's not anymore. Look out guys — the fairer sex has firmly established itself in Engineering.

Currently known as "the better 15%," the women in this faculty are actively involved in many aspects of the Engineering Society, including their own special committee. Any female can be a member of the Women's Committee, which organizes several popular social events each year. Some are just for the girls, but occasionally we invite the guys along, too.

We start the year off with a "clink" — the annual Wine and Cheese Party in September (hic). This girls-only event brings together "upper-classwomen" and shows Frosh that, yes, girls really can survive in Engineering. In February, the Women's Dinner features good food and a guest speaker who talks about her job out in the "real world."

This year, the Women's Committee, headed by Helen Humphrey, plans to hold a fund-raising bake sale, after which we'll do some fun-raising for everyone. Perhaps a Wetmore Hall Pub? Maybe a Wine & Cheese Party with the guys? Keep your eyes open for posters announcing the events and join us!
Employment and You

The University of Toronto Engineering Society provides its constituents with the widest range of services. And, yes, your Eng. Soc. even provides you with an Employment Committee. One of the most important and active committees going, it is not surprising that it is the most popular committee to work on. Where else can you have so much fun and talk to many prospective employers on an equal level? And who is better suited to help place you (or help you place yourself), in a position most resembling your personal choice of occupation than the Employment committee.

Due to the recent economic slump it is more important than ever that students show initiative. That is why the Employment Committee, in conjunction with the U of T Placement Center, brings in speakers and holds conferences and workshops for the students so that we can learn how to best market our position as the undergraduates and graduates of the best Engineering programme in Canada.

On a large scale, we want to show industry that we are not only academically superior, but also that we have acquired the ability to work with fellow engineers.

On a smaller scale, we are thinking of what you want to do at the end of May. Summer jobs are a vital part of your education. It is now required that everyone have 600 hours practical experience in order to graduate. In addition, the experience gained in a course-related job will nicely round out your education, improve the look of your resume, and provide a valuable job reference, if not lead to a permanent position.

Remember your Employment Committee. We can direct you to the Career Counselling and Placement Centre (344 Bloor St. W.), help you with your resume, give you advice, and provide employer contacts. Any inquiries & ideas can be directed to our kiosk, located in the Eng. Soc., SF B670. If you've got guts, give us a hand as we demonstrate to industry that the U of T Engineering students are the best investment for their future.

Lynette Fairweather
Employment Chairman, 83/84

PROFESSIONAL DEVELOPMENT

The Professional Development Committee is your link to the "real world of Engineering. Before I tell you anything else, answer these simple questions:

What does an Engineer do?
What exact field of Engineering do I want to go into?
What do employers look for when they hire engineers?

Not so simple are they? But they are all questions that you will be faced with shortly!

By taking the opportunity to listen and ask questions at free lunch hour (12-1) talks with professionals, you may be able to help yourself. Some of this year's speakers will be an Engineer and Personnel Manager from Bell Canada and an ex-U of T Engineer who has become a prominent local politician. The "Bell" talk should prove to be both enlightening and useful in your job hunt next summer, and the latter very interesting and also useful in terms of your long term options as an Engineer.

Because the talks are very few in number, look carefully for the posters with the Prof Dev logo and the information and...I'll see you there.

Professional Development will also keep you informed by passing on information from three conferences held each year: CCES (Canadian), RESSA (Ontario and Quebec), and APEO (Ontario's Engineering Licensing Body). Look for a summary article in one of the spring issues of The Cannon.

If you have questions, contact your class rep or me, by leaving a note in my mailbox at the Engineering Society Offices.

Karl Sarkans
Chairman
Faculty Council

Are you really steamed up about the way some things are done in Engineering? Well, if you aren't yet, you sure will be many times during your life in Skule. If you want to do something to get things set right, the place to do it is the Faculty Council.

The Faculty Council is the mini-government that rules Engineering. The Faculty Council sets policy for such mundane things as courses of study, admission standards, and whether or not students pass. Students (that's you we're talking about) hold a large voting block on council with 34 representatives (one from each class), the Engineering Society President and an executive faculty council rep. Students also sit on all the powerful committees (the examinations committee, for example). In addition, the Faculty Council reps from each class sit on the Engineering Society Council.

If you are the type who doesn't like to be pushed around, we need you as Faculty Council rep for your class.

Elections for first and second year reps take place early in September. Third and fourth year reps are chosen in late March. If you want a voice in your Faculty, get involved!

Paul Shindman
Executive Faculty Council Rep.

Ontario Engineering Design Competition

Design is one of the basic roles of an Engineer, yet is not a major part of your curriculum. The OEDC is made for people like you who wish to develop and exhibit their design skills. The competition falls under 4 categories of which you have your choice: Entrepreneurial Design, Corporate Design, Editorial Communications, and Explanatory Communications. Besides benefitting academically from the experience, you will be given recognition in industry that will be of value to you when you seek employment. In addition, cash prizes of up to $500 will be awarded depending on where you rank in your category.

Toronto has maintained its supremacy in this competition over the past few years by taking most of the top prizes. Entrants have found that starting early, even receiving information early, proves to be advantageous. Information will be available in September in the Engineering Society Offices.

CCES Committee

This committee has the dubious distinction of being the only one whose full name nobody knows. So, to clear up the mystery for once and for all, here it is: the Congress of Canadian Engineering Students Committee. Got it? Good!

Now that you know what it is called, you should know what it does. This committee is presently responsible for preparing the final bid to stage the 1985 Congress in Toronto as part of the Eng Soc's Centennial celebration. If Toronto's bid is successful (which seems likely at the time of writing), this group will proceed to prepare for the five or six day event.

"What event?", you may ask. Well, the CCES meets annually to discuss matters of importance to students across the nation. Delegates from all over Canada take in a week of workshops, displays, lectures given by representatives from industry, and tours (not to mention partying, so we won't).

Each year the conference has a different theme to tie the daily events together. If it is held in Toronto during the Engineering Society's centennial year, the theme will deal with the role of an engineering student organization.

The CCES Committee will provide its members with the opportunity to meet people from across the country. However, there is work to be done first; work that you may well find enjoyable. For more information, drop by the Soc. Although a chairman has not yet been selected for this committee, you can contact Gus Rinella, Centennial Committee Chairman.
Skule Publications

The Engineering Communications Committee, known affectionately as ENGCOM, is comprised of a small group of people looking for new ways to avoid Skulework. They are so dedicated that some have been known to go for days without food, water or sleep on their quest for the ultimate thrill — meeting a publication deadline on time!

If you haven't caught on yet, ENGCOM is responsible for producing all publications, including the literary gem you are now reading. The other publications — the world-infamous Toike Oike, The Cannon newsmagazine and The Book of Skule — are also produced by this committee.

ENGCOM requires the skills of new people every year because experienced ENGCOM hacks usually graduate. You may be surprised to know that very few skills are required for you to be helpful. For example, most ENGCOM types can survive merely by being able to breathe and use a layout knife without losing any fingers. These skills become almost second nature after about 10 attempts.

So, how can you help? (It really isn't as frightful as it seems, and it can be most rewarding, honest.) We have these things called mailboxes inside the Engineering Society Offices. (I know, you're scared to go in that awful place, aren't you?) There are mailboxes for each publication and the ENGCOM chairman (me).

Merely leave your name and phone number on a sheet of paper, then run like hell to get out before someone sees you in there. No, really, we'd like you to feel comfortable, so stick around for a while and see what's going on (check out the notice boards, etc.), and even talk to some of the other Society types.

Getting back to the topic at hand, help is required in a number of areas, including writing, typesetting (if you can type, you can typeset), layout, proofreading and photography (we have our own darkroom, too). Come on out and be a part of history! See you soon.

Barry Levine
Communications Chairman

The Book of Skule

The Book of Skule is not just another superbly produced, extremely well-written, and professionally laid-out ENGCOM publication; it is the one-and-only Skule Yearbook.

The Book of Skule is a pictorial essay of the trials and triumphs of the Engineering Society and individual Skulzers. Each year, many "budding engineers" are unexpectedly honored by the appearance of their picture among the profusion of candid shots compiled from Orientation Day onward.

Who, you may wonder, is responsible for this amazing work? Well, it could be you! Many bodies (warm or otherwise) are desperately needed to gather and develop pictures, design the cover, write short articles and lay out material. Experience is not, I repeat not, a prerequisite; enthusiasm is.

While yearbooks are available to all Engineering students at a reasonable cost (i.e. real cheap), the members of the Communications Committee, out of their extreme kindness and generosity, have once again decided that all Frosh shall receive their yearbooks free of charge. If you are a Frosh, take advantage of this outstanding deal.

Work on the Book of Skule begins early in September and continues through to the distribution of the yearbooks in April. If you can spare a couple of hours at any time during the year, we can find something to keep you occupied. If you are interested in manual labour or would like to offer some suggestions, drop by ENGCOM or leave a note in the Yearbook mailbox.

Mary Svazic
Editor
the TOIKE OIKE

The Toike Oike, known affectionately as the Toike, and unaffectionately as many unprintable things, is the oldest quality paper on campus. (The Varsity is older, but we said "quality paper"...). As the campus humour publication, the Toike strives to overcome the dreary dullness of that daily grind known as University life. And sometimes it even succeeds!

The Toike satirizes the crazy world around us through articles, jokes and drawings. In addition it provides lighthearted coverage of Engineering events year-round, including Orientation, Godiva Week, Brnad performances and BFC capers (which do not happen). This year promises more parodies similar to "The Glob and Male" and "Ominous" of previous years, and a revival of Tiny Toikes, small information pamphlets which tend to pop up in all sorts of interesting places.

Unfortunately, the popularity (and notoriety) of the Toike has not been enough to save it from student apathy. (Three years ago it died, but managed to be resurrected.) In the past several years it has been increasingly difficult to recruit dedicated editors and staff. Contrary to popular belief, Toike staffers do not have to fail, especially if there are many to share the work so that two people aren't left to put out the paper by themselves.

Toike staff are drawn from the entire University; anyone, everyone and their brother are welcome to join the ranks of those who have served the Toike. People are needed to write, do layout and darkroom work, and just provide ideas. If you don't like what you read in the Toike, it's up to you to offer suggestions for improvement.

This year, the enthusiastic and energetic rookie editor, Doug Michaelaides, has promised five Toikes, the second of which will be a Flrosh issue to give the newcomers a chance to demonstrate their talents. If you desire the infamy of working on any or all of these issues, drop by ENGCOM (SF B670E) or drop a note in the Toike mailbox.

Yes, it's that easy, and you wouldn't want nearly 80 years of tradition to slip into oblivion just because you didn't want to help, now would you?

The CANNON

Somewhere in pre-history, also known as 1978-79 D.S. (during Skule), a new newspaper made its humble, yet noticeable, worldwide debut. Since the Toike Oike's format became one of quasi*-pseudo*-humour exclusively, many students felt that a void had formed in the coverage of research occurring at the University, as well as the reporting of news of interest to Engineering students. From these very concerns The Cannon originated.

Inexplicably, much of the world failed to pay attention to The Cannon in its early days. Nevertheless, with a circulation of roughly 2,000 and a readership of well over 3, this serious and informative (unlike this article which is only quasi*-pseudo*-serious) paper continued to be printed alongside the Toike Oike, taking over technical and current affairs reporting (Chuck and Di, etc.).

Now, five years later, The Cannon has increased its readership dramatically. (At least 10 readers per issue is the latest conservative estimate.) In 1982-83 the articles ran the gamut from Engineering computing facilities (actually the lack thereof) to the new Civil structures lab, microelectronics, and many energy-related items. As well, there were frequent reports on Engineering events and sports. Plans are being made to include more news on Faculty Council proceedings and monthly reports from each Engineering Society standing committee.

When it was first published, The Cannon was a small paper desperately searching for articles; it has gradually grown into a larger paper still searching for articles. Along with the demand for writers, we need people to do layout, take photographs, write letters and provide suggestions. So, you've never done any of this before! Who cares? We still want your help! Anyone with an hour or more to spare will be welcomed and taught the necessary skills. For more information on The Cannon, leave your name and telephone number in the Cannon mailbox in the Engineering Society (Sandford Fleming B670) or contact me, Judith Vosko, the quasi*-pseudo*-editor.

*Frosh note: You'll be learning about these terms soon. Fun? Wow!
This article is speshuly written in simple langueh so that jocks and rocks, uh Geos, can understan' it.

What is the E.A.A.?
The E.A.A. is the Engineering Athletic Association. That means it is your athletic association because everyone registered in the faculty is a member. Whether you like it or not, six bucks of your fees go directly to the E.A.A., so you might as well get your money's worth and use your association to your benefit. The purpose of the E.A.A. is to encourage athletics in every way within the Faculty and the University, and to co-operate with the University of Toronto Department of Athletics and Recreation.

Who runs the E.A.A.?
In the spring of every year, the Engineering Society holds their annual executive elections. During these elections, the students also elect a President for the E.A.A. The outgoing Executive of the E.A.A. appoint two Directors of Athletics, a Secretary-Treasurer, a Director of Publicity, a Director of Tournaments, and 18 sports commissioners. These twenty-four students become the E.A.A. Executive and 'run' the association as a whole.

What do these people do?
The President (Judith Vosko) calls and presides over meetings, draws up the budget and generally co-ordinates all sports. The Secretary-Treasurer juggles the books and keeps the records; as well, he/she is responsible for all the E.A.A. Correspondence. The Athletic Directors (one for men's sports and one for women's) oversee the sports commissioners and serve as our representatives on other councils on a university-wide basis. The Director of Publicity is in charge of promoting athletics within Engineering through the Cannon, Toike, poster, etc. The Director of Tournaments organizes several yearly tournaments for Engineers only. The emphasis is on participation and fun — enter a team from your class! The sports commissioners organize the one or more Engineering teams playing in the interfaculty league(s) in their sport. There are male and female commissioners for aquatics, basketball, football, hockey, soccer, squash, and volleyball plus men's lacrosse and rugby commissioners. A skiing commissioner and one for co-ed (recreational) sports.

Why should I get involved?
Well, besides keeping in good shape, having lots of fun and meeting new people, there is always the prestige of being with a winner. In the recent past, Engineering has won the men's and women's interfaculty championships 2 out of the last 3 years. We slipped slightly in 1982-83 so it's time for revenge. The reason for our success is our high participation rate — hint, hint. Not only do you get to meet other engineers, you will also be exposed (gasp!) to people from other faculties and colleges (it's a great way to meet people of the opposite sex).

How do I get involved?
Start with the special Sports Pub to be held in the Sandford Fleming Cafeteria on Thursday, September 8th. All the sports commissioners will be there with information and sign up lists. Men should watch for posters announcing organizational meetings. Sign up lists for women's sports will be posted on the E.A.A. bulletin board in the Engineering Society. If you have any questions, call the sports commissioner or respective Director of Athletics.

What do athletes get for a championship?
Well, besides a handshake and a cold beer, they get awards at the annual S-Dance. Awards like steins, pen and pencil sets and plaques. Anyone in Engineering is welcome to the dance — it will be held sometime in March.

Who gets the awards?
Anyone who wins an individual or team championship, finalists, the most valuable player of each sport, various classes for participation, athletes of the year and everyone with high 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 at any level, he or she receives a certain number of S-points. The more successful your effort is, the more points you get. If you get fifteen points you get a Chenille 'S' (your skule letter), and if you have forty points, you get a Bronze 'S' (an oak plaque engraved with the Faculty crest) in your graduating year. You can figure out how many points you've earned or could earn by checking the S-points article.

Why do you say the word 'participation' so much?
Contrary to all the 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 (and ales after the game).

That sounds pretty philosophical for an engineer. Where can I find out more?
Oh, just go to the Athletic office in the Engineering Society or ask Ella (gosh!), or contact any E.A.A. executive member. If that doesn't work, ask any well-rounded, self-improved personality who happens along, and keep an eye out for posters and notices in the Toike and Cannon. Don't forget the first Sandford Fleming Pub is all about sports!

Hey, Frosh! Don't turn the page yet!
Don't forget to fill in the checklist in your frosh kit and hand it in to the special box in the Engineering Society or at the Sports Pub.
S—POINTS

AWARDS
I Athletic 'S' Award — 15 points
II Bronze 'S' Award — 40 pts. (4th year only)
III Championship Teams:
   Division A Class 1, 2, 3 .................stein
   IV Finalist Teams:
   Division A Class 1, 2 ....................'pen'
   V Individual Awards:
   Individual Champion .....................stein
   Meet record set or 3 wins/meet ..............stein
   One or two wins/meet ..............pen & pencil set
   VI Eight awards presented to the outstanding
       male and female athlete of each year. Sixteen
       team sport "Most Valuable Player" Awards.
       EAA Class Trophy.
Note: No athlete may be awarded more than
       one pen & pencil set, or pen-per sport per
       year.
Teams are divided into the following classes:

DIVISION A (TEAM SPORTS)
Class 1: the team designated first in any
   sport:
   Men's: Sr. Basketball, Sr. Hockey, Sr.
         Soccer, Rugger I, Waterpolo I, Volleyball I, Squash I, Lacrosse I, Football
   Women's: Basketball I, Volleyball I.
Class 2: The team designated as being the
   second team in any team sport listed in Class
   1. Also, any other team playing at an Inter-
   faculty level, i.e. any team designated as the
   third team.
Class 3: Women's team sports, except those
   in Class 1, and teams which play in the Touch
   Football League or the Intermediate League
   for Basketball and Hockey, or any other inter-
   mediate, recreational league.
Co-ed: participants on co-ed teams will be
   awarded 2 points.

'S' Point Table: Athletic 'S' Points will be
   awarded as follows:

<table>
<thead>
<tr>
<th>Class 1</th>
<th>Class 2</th>
<th>Class 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Participation (1)</td>
<td>5</td>
<td>4</td>
</tr>
<tr>
<td>Playoff Team (2)</td>
<td>6</td>
<td>5</td>
</tr>
<tr>
<td>Finalist Team (3)</td>
<td>8</td>
<td>7</td>
</tr>
<tr>
<td>Championship Team</td>
<td>9</td>
<td>8</td>
</tr>
</tbody>
</table>

(1) Eligible for playoffs according to U of T In-
tramural rules (generally, the individual must
be present at 50% of team games).
(2) A team qualifying for league playoffs.
(3) A team losing in the final round of playoff
competition.

DIVISION B
1) Track and Field, Swimming, Tennis, Bad-
minton, Skiing, or any other tournament type
sport.
a) Participation in any of the above .......... 1pt
b) For Track and Field, and Swimming (in-
cluding relays)

<table>
<thead>
<tr>
<th>MEN'S</th>
<th>WOMEN'S</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st</td>
<td>4 pts</td>
</tr>
<tr>
<td>2nd</td>
<td>3 pts</td>
</tr>
<tr>
<td>3rd</td>
<td>2 pts</td>
</tr>
</tbody>
</table>

c) Skiing

EXPERIENCED NOVICE
1st | 4 pts 1st | 2 pts
2nd | 3 pts 2nd | 1.5 pts
3rd | 2 pts 3rd | 1 pt
d) Tennis, Badminton

EXPERIENCED NOVICE
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 team member shall
receive 2 points and a pen and pencil set.
2) Varsity Teams

Winners of a Varsity Intercollegiate Colour
(Men's First "T") or a Women's Intercollegiate
"T" shall receive 10 points.
Winners of Men's Second Colour shall receive
6 points.

A maximum of 30 points may be earned
through Intercollegiate Sports, and 20 points
maximum may be earned per sport.
3) Managers, Coaches and Referees

All managers and coaches of Engineering
teams shall receive the appropriate award, as
earned by the Team and shall be entitled to 2
'S' points.

Note: Recipients are to be selected by the
EAA as described in its constitution and by-
laws.
The Truth About SAC!

'SAC SUCKS!' You have heard this said many times and have probably said it yourself. But do you know why you say it? Do you know what SAC is? What it does?

SAC is the Students' Administrative Council, composed of representatives from every undergraduate college and faculty at U of T. SAC provides many services for students, including a full-time pub, free films, free coffee, a copy centre (essential to engineers), and a student phone directory. SAC also protects student rights and represents U of T students at major events.

As part of this university, engineers hold approximately 10% of the seats on the SAC board of directors with six representatives. Make your vote count by expressing your concerns to them.

So don't just assume that SAC sucks — get involved and find out exactly what SAC does and can do for you.

The Doors Are Open

Every Day of the Year

At Your Campus Home

Join a Club, Attend a Concert, See an Art Show, Learn to Dance, Swim a Lap, Dine in Gothic Splendor, Have a Fitness Test . . . .

Celebrate with us at WIDE OPEN HOUSE

Tuesday, September 20, 1983

Reserve this day for a visit to Hart House. See all that's here for you.

A day of fun, a showcase of activities and surprises to acquaint every student member with everything Hart House has to offer.

A New Approach to the Problem of Sexual Harrassment

Since its establishment, the Faculty of Applied Science has tried to keep up with changing times. Recently, a problem was explored for which there was no defined solution. If an individual encountered a problem which they felt hindered on sexual harassment, who could they talk to or what could they do?

To deal with this problem, the faculty, in conjunction with the Engineering Society, has made available a group of counsellors to deal with problems pertaining to sexual harassment. Members were selected based on their ability to deal with students on a one-to-one level.

If you or anyone you know encounters a problem, do not hesitate to seek the guidance of the following counsellors:

Civil
Prof. G.N. Steuart
Jean Barwell, Alternate

Geo
Prof. F.A. Delory

Mech
Mrs. Donna Dawson

Ind
Prof. S.H. Cohn

Eng Sci
Mrs. Donna George-Clark

Chem
Prof. M. Jane Phillips

Mr. W.J. Dowkes, Alternate

Elec
Mr. M.D. McKinlay

MMS
Prof. V.M. Franklin

Elec
Mr. M.D. McKinlay

MMS
Prof. V.M. Franklin

Faculty
Ms. Sally Cummings

Ms. Sandra Leith

Dean P.M. Wright
Professional Engineering Societies

Two years after graduation, engineers have the opportunity to become registered professionals by joining one of the provincial associations. Thus in Ontario, almost all Engineers belong to the Association of Professional Engineers of Ontario (APEO).

In addition to belonging to a provincial association, engineers are expected to join one of the national technical societies which have as their principal objective the maintenance and improvement of their technical knowledge of their members. These Canadian societies have Student Sections open to undergraduate students at the University of Toronto:

- Canadian Society for Chemical Engineering
- Canadian Society for Civil Engineering
- Canadian Society for Mechanical Engineering
- Canadian Society for Industrial Engineering
- Canadian Society for Electrical Engineering

Students who join one of these societies obtain their publications at a much reduced rate. Of equal importance is the opportunity to meet practicing engineers and to begin to participate in the life of a national organization.

P.M. Wright
Associate Dean

Undergraduate students, especially Frosh, are encouraged to get involved in the professional clubs at the University. Many advantages can be realized by the undergraduate student; most organizations have very reasonable fees for which the student member will receive (as a minimum) a regular published magazine and/or news letters. The clubs also frequently organize informal gatherings (smokers) featuring a guest speaker from industry and an enlightening topic for discussion. Student members are entitled to other benefits too numerous to list here; so it is strongly urged the student contact the club(s) of his/her interest.

Ed Grandy
Mech 8T4

<table>
<thead>
<tr>
<th>Society</th>
<th>Description</th>
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<tbody>
<tr>
<td>ASM</td>
<td>American Society for Metals</td>
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<tr>
<td></td>
<td>-for MMS students</td>
</tr>
<tr>
<td></td>
<td>-contact MMS Club,</td>
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<tr>
<td></td>
<td>-Prof. R.T. McAndrew (978-3012)</td>
</tr>
<tr>
<td></td>
<td>-Hans Schade (842-1423)</td>
</tr>
<tr>
<td>CGS</td>
<td>Canadian Geotechnical Society</td>
</tr>
<tr>
<td></td>
<td>-for geological engineering students</td>
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<tr>
<td></td>
<td>-contact GEO Club at the U of T</td>
</tr>
<tr>
<td></td>
<td>-R. J. Salves, Civil Technology at Ryerson Polytechnic Institute</td>
</tr>
<tr>
<td>CIM</td>
<td>Canadian Institute of Mining and Metallurgy</td>
</tr>
<tr>
<td></td>
<td>-for MMS students</td>
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<td></td>
<td>-contact MMS Club,</td>
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<td></td>
<td>-Hans Schade (842-1423)</td>
</tr>
<tr>
<td>CSCE</td>
<td>Canadian Society for Civil Engineering</td>
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<tr>
<td></td>
<td>-for civil engineering students</td>
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<tr>
<td></td>
<td>-contact UTCSCSE Club,</td>
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<tr>
<td></td>
<td>-Prof. A.M. Crawford (978-3115)</td>
</tr>
<tr>
<td></td>
<td>-Jack Nirenberg (536-2255)</td>
</tr>
<tr>
<td>CSChE</td>
<td>Canadian Society for Chemical Engineers</td>
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<tr>
<td></td>
<td>-for chemical engineering students</td>
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<tr>
<td></td>
<td>-contact CHEM Club,</td>
</tr>
<tr>
<td></td>
<td>-Mike O'Dwyer</td>
</tr>
<tr>
<td>CSEE</td>
<td>Canadian Society of Electrical Engineers</td>
</tr>
<tr>
<td></td>
<td>-for electrical engineering students</td>
</tr>
<tr>
<td></td>
<td>-contact CSEE Club,</td>
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<tr>
<td></td>
<td>-Prof. S. Robertson (978-8666)</td>
</tr>
<tr>
<td>CSIE</td>
<td>Canadian Society for Industrial Engineers</td>
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<td></td>
<td>-for industrial engineering students</td>
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<td></td>
<td>-contact CSIE Club,</td>
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<td></td>
<td>-Prof. Turkvsn (978-6421)</td>
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<tr>
<td></td>
<td>-Steven Rosen</td>
</tr>
<tr>
<td>CSME</td>
<td>Canadian Society for Mechanical Engineers</td>
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<td></td>
<td>-for mechanical engineering students</td>
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<tr>
<td></td>
<td>-contact ASME/CSME Club,</td>
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<tr>
<td></td>
<td>-Prof. Rimrot (978-3053)</td>
</tr>
<tr>
<td></td>
<td>-Mary Stewart</td>
</tr>
<tr>
<td>IEEE</td>
<td>Institute of Electrical and Electronic Engineers</td>
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<tr>
<td></td>
<td>-for electrical and engineering science students</td>
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<tr>
<td></td>
<td>-contact IEEE Club,</td>
</tr>
<tr>
<td></td>
<td>-Prof. Leon-Garcia (978-5037; GB 426)</td>
</tr>
<tr>
<td></td>
<td>-Steve Sam (489-5766)</td>
</tr>
<tr>
<td>SAE</td>
<td>Society of Automotive Engineers, Inc.</td>
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<tr>
<td></td>
<td>-for engineering students with an interest in the automotive industry</td>
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<tr>
<td></td>
<td>-contact UTSAE Club,</td>
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<tr>
<td></td>
<td>-Prof. J. Wallace (978-3043)</td>
</tr>
<tr>
<td></td>
<td>-Jack Chappell (767-4444)</td>
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<tr>
<td>SPE</td>
<td>Society for Plastics Engineers</td>
</tr>
<tr>
<td></td>
<td>-for chemical, mechanical and other engineers interested in the scientific</td>
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<tr>
<td></td>
<td>and engineering aspects of plastics</td>
</tr>
<tr>
<td></td>
<td>-contact SPE, U of T Chapter</td>
</tr>
<tr>
<td></td>
<td>-Prof. R.T. Woodhams (978-6278)</td>
</tr>
<tr>
<td></td>
<td>-Rimas Cipliauskas (247-0578)</td>
</tr>
<tr>
<td>UGA</td>
<td>Undergraduate Geology Association</td>
</tr>
<tr>
<td></td>
<td>-for geological engineering students in option A, B, and C or are in the</td>
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<tr>
<td></td>
<td>Arts and Science Geology Specialist program</td>
</tr>
<tr>
<td></td>
<td>-contact UGA Club,</td>
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<tr>
<td></td>
<td>-Ray Kong (595-9991)</td>
</tr>
<tr>
<td></td>
<td>-Sandra Kamo (489-0011)</td>
</tr>
</tbody>
</table>
COURSE CLUBS

In case you don’t know it, each division (i.e., Elec, Civ, etc.) has its own course club which serves as the social organization for that particular field. Though each has its own methods and events, they all share certain common ground. For instance, each course club organizes SMOKERS (see glossary), which are events that will give you the opportunity to meet others in the same division whether they be frosh, upperclassmen, or faculty members. The smoker is also a haven for the lover of cheap beer and disgusting food, and it even offers the occasional guest speaker for the enlightenment of all.

FIELD TRIP...Does this seem to be an unusual term to find at university? Well it’s not. Again, the clubs come to the rescue with an event that is not only of great educational value, but a great excuse for an enormous party. Though field trips don’t usually occur until you reach upper years, it is still a club event and further illustrates the service that the organization supplies.

One of the social highlights of the year is the annual CLUB EVENING EVENT. Depending on your own club, this may be a formal or informal dinner, a semi-formal/formal dinner and dance, or a party modelled after a full scale nuclear war. The purpose of such an affair is to gather together the entire department, students and staff, for an evening of merriment and good spirits. It is not an event to be missed.

SPORTING EVENTS constitute another major area of club interest, so you will find that most every club has a tournament of some sort. This is likely to be a hockey tourney (after all, we are in Canada), but any sport that shows itself to be popular can also become a club organized function. Tournaments are not the end of club involvement in sports: there are Squash Ladders, and some clubs (specifically Chem) have Ping Pong Tables (Table Tennis — for the purist).

All the clubs have at least one very important function in common: They are responsible for the running of their respective department chariots in the CHARIOT RACE. It is up to the club to ensure that its own chariot is in top running condition race day and that sufficient numbers of offensive and defensive team members are fielded. This is one of Engineering’s greatest traditions; it places the honour of your department on the line, so be there!

In general, your own club is there to see that you meet and get to know those of the department in pleasure as well as at work. As with most anything else, the club works best with those that work with it and for it. To put it plainly, help is always needed and appreciated. It’s great fun, so come on and join in.

Attention Eng Sci

For a limited time only, you are eligible to become a member of the most exciting Engineering club on campus — the Engineering Science Club!!!!

This “elite” social group is comprised of all four classes of Eng Sci students. Its functions include: smokers (i.e., beer drinking parties), an annual Eng Sci Dinner and Dance, an end-of-the-year wine and cheese party and much, much more!

Sports are an important part of this exclusive club; squash and hockey are the principle sports. The annual Eng Sci interclass hockey tournament is the highlight of the school year.

For more information about this sensational offer, come to the Eng Sci common room in GB 148 and ask your Eng Sci upperclass people, Profs. Tennyson and Hamacher (Chairman and Assoc. Chairman) or Donna George-Clark (our new administrator) for more details.

Please note: Club donations are gratefully accepted. Offer ends December 32, 1999.

Johanne Picard
Eng Sci Club Chairman
Electrical Club

On behalf of the Undergraduate Electrical Engineering (the good guys), I'd like to welcome the Frosh to the first of four "fun"-filled years. (They are what you make them.) Being enrolled in Electrical automatically establishes you as a unique member of an elite society - the Engineering Society. I wouldn't come right out and say that the Electrical Club is the best of the course clubs, but as Elec upperclassmen know...

In their first year here, Frosh are bound to feel lost and maybe a bit lonely. Even fourth years still do! When you can't make it home to Mom, we have the next best thing: GB422, the Electrical Club Common Room. Once there, you'll notice that we share it with the Civils, but don't mind them, we don't.

It is this room which links the Electrical undergrads. Notices of any events the Club might plan, such as field trips (Ottawa, Molson's etc.), smokers, challenges, t-shirt sales and, of course, the Club Dinner, will be posted in this room. At smokers, you will be able to tort Professors, Upperclassmen and Frosh while sharing beer and pizza or whatever.

As you progress through school, you will come to realize how valuable it is to have friends in an upperclass and, come fourth year, you will hopefully realize what the Club has done for you over the years. I urge both Frosh and upperclassmen to become involved in Skule activities, especially the Club, so that your years here are most enjoyable.

Joe Streef
Elec Club Chairman

Club Mech

Hello and welcome to Club Mech, the club supposedly responsible for organizing events which represent the undergraduate Mechanical Engineers.

All you Frosh are encouraged to attend Club Mech functions, as you will soon see that meeting other Mechs can be socially and academically beneficial (problem sets, beer, labs, assignments, etc.).

Now, here are some answers to three of the most commonly asked question:

How do we know what's going on?

Well, you may never know, but a calendar on the first floor of the Mechanical building should help, as it lists upcoming events for that month (smokers, tournaments, dinners, races, trips, etc.). So come on out, they are to be enjoyed by all. You can even bring an Eng Sci so when he gets the chop, he will know where 'real' engineers sit and drink.

Where do we sit and drink while not in class?

The Club Mech common room can be found in the Mech building, third floor, north-west end of the hall. There sits a coke and coffee machine (sometimes) and occasionally you can find a seat at a table.

Wow! But how do I get on the roster of this elite club?

You have already completed the most demanding test--you have been accepted into U of T Mechanical Engineering. This immediately places you among the elite. Your only initiation fee in coming out and having a good time! Make the best of your years at U of T - come and join us!

Piers Strike
Mechanical Club Chairman
The Chem Club

On behalf of the Chem Club, we would like to welcome you to the fascinating world of Chemical Engineering. The Chem Club is responsible for the organization of a wide variety of social and academic events for the benefit of Chem Eng undergraduates.

Since all of you are so anxious to get to work in our comfortable, well-equipped labs and classrooms, we will mention the academic aspects first. Plant tours are the main item of interest here, with recent trips to Proctor and Gamble and a brewery or two proving quite productive (hic).

The social functions of the Chem Club are much more extensive. We host a special Frosh Dinner in the fall to introduce newcomers to our illustrious faculty, and each winter the entire department is wined and dined at the ever-popular Chem Dinner and Dance.

We are also responsible for the maintenance of the Undergraduate Common Room (WB 238), the largest common room in the faculty. Here you will discover pop and candy machines that just won’t quit (ha ha), excellent table tennis facilities, and comfortable lounge chairs (beds for Fourth Year students during Plant Design). Most importantly, here you will find staff and students gathered for occasional bouts of drinking and card-playing, also known as smokers.

If you have any problems, questions or suggestions during the year concerning the Chem Club, direct them to the Chairman, Mike O’Dwyer, or any other Club executive. The Chem Club is yours — enjoy it!

Chem Club Executive

MMS

Welcome to the Department of Metallurgy and Materials Science! All 877 Frosh and upperclassmen are cordially invited to all Club activities during the coming year.

The MMS Club undertakes quite an array of activities, starting with our “smokers” at which staff and students get together to enjoy cheap beer and free pizza. (Yes! the beer will be cold!) In the winter, we field a hockey team and have a Christmas Party (organized in conjunction with the grads). The highlight for the 3rd and 4th year classes is the annual “MMS Booze Cruise”, a field trip where they supposedly also visit “plants of interest to the metallurgist.” (So how come we never went to Molson’s?!) The big finale of the year is the Club Dinner in the spring, where all kinds of special “awards” are handed out, including the ¼-miler award for the distinguished person least able to handle his beer. For those around in the summer, there’s a day-long MMS picnic.

There’s a lot more so come on out and have fun with us. The common room belongs to all undergrads, so take advantage of that. Have LOTS of fun in your time here, it’s the only way to survive! See you in September!

Best of luck,

Hans Schade
Club Chairman

Industrial Club

Since everyone has welcomed you the Dean, the Eng Soc Prez, the BFC — I won’t. Instead, I’ll just say “G’day” and introduce you to the Industrial Club.

The Industrial Club arranges a variety of activities for all Industrial students. This year’s activities will hopefully include the resurrection of the Industrial Chariot, the Industrial Dinner and maybe even educational field trips, i.e. we might find out exactly what is in a BARLEY sandwich! As usual, no definite dates have been set yet (this is written in June, ya’ know), so keep on the lookout for our posters. One thing sure to occur, though, are our world-famous smokers, which feature Industrial’s equally famous, award-winning, and highly educational (we’re always learning in Industrial) movies! (Debbie Does What?!) Get to know us. We’re not bad guys (except for Keith) and we might have something you’re looking for...like, maybe a spare beer (usually) or an answer to that problem (rarely!).

You can usually find the Industrial Club gang sleeping around the Industrial Common Room (RS207) in the Rosebrugh (not Roseburg) Building.

P.S. Get to know your local photocopier well! It will be one of your best friends!

George Rowan
Industrial Club Chairman
Civil Club

Welcome all you Civil Engineering Frosh to the undergraduate Engineering program at U of T. Congratulations - you are now also a member of the Civil Club. You have become part of the club by being enrolled in Civil Engineering. For all those Frosh (and maybe some upperclassmen) who don't know, the Civil Club is a social club through which many events are organized during the year. These events include the Bed Race, the Chariot Race, Boat Races, and many smokers to which guest speakers are invited and where a good time is had by all who attend.

The Civil Club finally has its own common room. It was missing for many years, after the old Sandford Fleming Building went up in smoke. The common room is located in Room 422 of the Galbraith Building (GB422). We also have an office in GB138. The common room is always open, and the Civil Club office is open most of the day, so if you have any questions or suggestions, come into the office. You are most welcome!

I would again like to welcome the Frosh to the Civil Club and welcome back the upperclass. A few words of advice: Come out; get involved; have a good time. You will not regret it!

Steven Presacco
Civil Club Chairman 8T4

Note: The first smoker will be a Frosh Smoker at the end of September, so watch for posters and we will see you there.

Geo-Engineering Club

Welcome to the Division of Geo-Engineering. If you have chosen Engineering Program 02, then you have a lot in common with the rest of us, including rocks and unemployment. Hopefully the latter will change by the time we're through with each other; rocks, however, will always be of primary concern.

For their third and fourth years, Geo-Engineers divide themselves into three groups. Option E people are those with a fascination for rocks, the outdoors, black flies and mosquitoes, isolation, and rocks. Engineers who are interested in rocks, foundations, tunnels, dams, highways, and rocks make up Option G, Geotechnical Engineering. Finally, there are a few who get excited by rocks, smelters, crushers, grinders, flotation machines, semi-isolation, and rocks. These people are quietly led over to Option M, Mineral Engineering.

Regardless of their option, Geo-Engineers enjoy social events. Some of the organized events are smokers, which provide Geo-Engineers with the chance to meet others of their type and to rub elbows with profs as well. In addition, there is the popular Geo Club Dinner, an annual high-class affair.

Geo-Engineers also get involved with events put on by the Engineering Society, and will be focusing this year on defending the J.P. Potts Memorial Trophy, which was won by Geo-Engineering in the grueling Chariot Race last January. Of course, there are unorganized events, too, and we are always open to suggestions.

Please feel free to use the Geo-Eng common room, SF 1007, and to approach this year's Geo Club Chairman, Jean Hutchinson, regarding any matter. Above all, GET INVOLVED. We want you to enjoy yourself and we welcome new faces.
EVERYTHING A SKULEMAN WOULD WANT TO KNOW ABOUT DRINKING IF HE WERE AFRAID TO ASK

In the years to come, multitudes of Frosh and Eng Sci upperclassmen will ponder the age old question: "Where can I drink cheap beer, meet lots of people, listen to great music, dance, and have an all-around good time?" In response, compassionate upperclassmen will inevitably point these poor, deprived souls in the direction of the Engineering Pub in the basement of the Sandford Fleming Building.

This newly-established pub is run by the Engineering Society on Friday afternoons and evenings. It provides engineers, nurses and assorted others with a place to relax and unwind at the end of a hard week. Beer is cheap, the music is good and a dance floor is provided. Frequent events such as beer cup stacking contests, euchre tournaments and, of course, beer drinking challenges are on this year's agenda.

The fun begins in September with a pub-naming contest. If you desire the infamy of naming a pub and can come up with something that suggests Engineering, submit your entry to either Peter Watler or Dave Willson, the Pub Managers, or Ella, in a sealed envelope with your name, class, and phone number before 4:00 PM Wednesday, September 14. The winning name will be announced and a prize awarded at the pub.

On September 16, Frosh will be given a chance to demonstrate their hard hat decorating prowess at a Hard Hat Contest. Prizes will be awarded for originality and overall effect.

Join the Skule Stage Band

If you enjoyed a satisfying musical career before University, the Skule Stage Band is for you!

This academic year will mark the first full year of the stage band's existence, and the Band is destined to very quickly become a part of Engineering life at this university.

You may ask: What's this band all about? A good question! The Band is, as the name suggests, a Stage Band. This refers to the type of music the Band will play: music from the Big Band Era (Goodman, Ellington, Miller) right up to modern arrangements by Nestico, Hefti et al.

Stage Band also refers to the Band's instrumentation. Trumpets, trombones, saxes (all types) and a rhythm section (drums, bass, guitar, keyboards) will be included in the structure of the Band.

You may be wondering: Where will this Band perform?

Great question - that's two in a row! Noon hour concerts, special engineering events or assemblies, or even the ever-so-popular engineering pubs are just a few possibilities for Band performances.

Now you may ask: What's this stuff got to do with me?

Another good question! Well, if you play any of the instruments mentioned above with any level of proficiency, enjoy 'stage' band style music, and want to be part of a class act, we want you to join the Skule Stage Band. Keep your eyes open for notices and posters around Skule. In the meantime, if you require any more information about this destined-to-be-great band, feel free to contact:

Cliff 291-0950
Danny 245-6849
or Kent 283-7876

Jazz, jazz rock and swing are all alive and well in the Faculty of Engineering......Don't miss out!
The Engineers’ Hymn

CHORUS: (to be sung between verses)
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!

Godiva was a lady who through Coventry did ride,
To show to all the villagers her bare 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 ever made her was an Engineer of course,
But on just one beer an artsie queer once made Godiva's horse!

My father was a miner from the Northern Malamute,
My mother was a mistress in a house of ill repute,
They kicked me out at a tender age and never shed a tear,
"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 artsman, "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.

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

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

Venus was a statue made entirely 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 should be reinforced."

A maiden and an Engineer were sitting in 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 streets, but now she's on parole,
My brother runs a restaurant with bedrooms in the rear,
But they don't 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.

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

The army and the navy men were out to have some fun,
Looking for a tavern where the fiery liquors run.
All they found were empties, for the Engineers had come,
And traded all their instruments for gallon jugs of rum.

An Engineer once came to class so drunk and very late,
He stumbled through the lecture hall at an ever diminishing rate.
The only thing that held him up and kept him on his course,
Was the boundary condition and the electromotive force.

Now you've heard our story and you've heard we're Engineers,
We love to love our women and we love to drink our beers.
We drink to every fellow who comes here from far and near,
'Cause we're a HELL-OF-A, HELL-OF-A, HELL-OF-A,
HELL-OF-A, HELL-OF-A ENGINEER!!!

CANNON
Toike Oike, Toike Oike,
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, 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!!
A great tradition has come to light.

Discover the light beer with a taste that's earned the name Export. Discover Export Light.