

SKULE™

SKULE™

SKULE™

SKULE™

U OF T ENGINEERING



Printed on Recycled Paper
U of T Engineering
Supports Mother Earth

YOUR CAREER

250,000,000
YEARS IN THE MAKING



you're on your way...

It's taken oil and natural gas 250,000,000 years to form in the earth. Relatively speaking, Imperial Oil is a newcomer on the scene — but we've been part of Canada's oil industry for over 100 years. We're ready for the next century, and we invite knowledgeable, ambitious graduates to accompany us on the journey.

Are you looking for a career offering potential, variety and the opportunity to challenge your skills? Do you value diversity as much as we do? Talk to us. Discover the opportunities at Imperial Oil — we're a company with an impressive past, ready to take on the future.

Please contact our Human Resources Specialist, at the following location of your choice.

Western Canada
Esso Resources Canada Limited
Esso Plaza
237 - 4th Ave. South West
Calgary, Alberta T2P 0H6

Ontario
Imperial Oil Limited
111 St. Clair Ave. W.
Toronto, Ontario M5W 1K3

Quebec
Imperial Oil Limited
7100, rue Jean-Talon est
Anjou, Québec H1M 3R8

Atlantic Provinces
Imperial Oil Limited
P.O. Box 1001
Dartmouth, Nova Scotia B2Y 3Z7



Imperial Oil

TABLE OF CONTENTS

Editorial	3	Campus Cops	48	Professional Development Committee	74
F!rosh Glossary	4	A Day In The Life of a Mouse	49	Ontario Engineering Design Competition	75
Dean's Message	6	English Proficiency Test	50	Employment Committee	76
Alumni Association	7	Technical Proficiency Test	51	Employment Liaison	77
President's Message	8	Professional Experience Year	52	Skule™ Nite 9T2	78
Orientation	10	A Guided Tour of the Eng Soc Offices	55	High School Liason	80
Shinerama	11	The Eng Soc	57	Women's Committee	81
The Story of Lady Godiva	12	Murphy's Laws	60	Students Administrative Council	83
The Engineering Hymn / Hym	14	Engineering Communications	62	The History of the Engineer	84
Songs and Cheers	16	The TOIKE OIKE	63	Chinese Engineering Students Association	85
What is an Artsy?	18	The Book of Skule™	64	Civil Club	86
Guide to Academic Survival	19	The Cannon	65	Geo Club	87
Dictionary of Reasearch Terms	24	Engineering Athletic Association	66	Club Mech	88
Places to ...		Social Committee	67	Industrial Club	89
Eat	25	Blue and Gold Committee	68	Club Eng Sci	90
Party	27	Skule™ Stage Band	70	Chem Club	91
Live	30	SUDS	71	Elec Club	92
Student Services	32	The Story of the Iron Ring	72	Club MMS	93
The Glorious History of Ye Mighty Skule™ Cannon	36	Fourth Year Committee	73	Comp Club	94
The LGMB	42	Faculty Council	73	Before I Came to University I Wish I Had Known ...	95
The BFC	44			Telephone List	96
Class Elections	45				
Know Your Hardhat	46				
Heirarchy of Skule™	47				

ENGINEERING SOCIETY CODE OF ETHICS

We, the students of the Faculty of Applied Science and Engineering, by virtue of the privilege of being here, represent Skuletm to the larger society.

We have, therefore, a special duty to exemplify the best qualities of the faculty and to observe the highest standards of personal and professional conduct. In so doing, we promote ourselves and the merits of the university, the faculty and the engineering society.

In our words and actions:

We embody respect for truth, integrity, fairness, free enquiry, and the opinions of others.

We respect all individuals without regard to race, colour, sex, creed, sexual orientation, ethnic or national identity, handicap or age.

We uphold the reputations of other students and respect them.

We respect a student's right to privacy and confidential information.

We follow the letter and spirit of laws and regulations included in the Canadian Charter of Rights and Freedoms, and the Ontario Human Rights Code.

We observe these standards and actively encourage colleagues to join us in supporting the highest standards of conduct.

MASTHEAD

Editor

Selda "Socks" Sharifi-Rad

Assistant Editor

Ivana "Snuggles" Strgacic

Production Manager

Justin "Time" Bowler

Staff

Shannon "Chicky" O'Connell

Jeff "Orson" Wells

David "Tony" Fernandez

Aviv "Pipes" Gladman

Vincent Fok "Me"

Kate "Hardcastle" McCormick

Karla "Red" Friesen

Photographers

Henry "Pizza Hut" Pedro

Victor "Fishsticks" Kristicks

Patrick "Bruce" Lee

DISCLAIMER

The 9T5 F!rosh Handbook had been edited to word and spirit of the University of Toronto Engineering Society Code of Ethics. I personally believe in the code and I have tried my best to show it in this handbook. I don't think anything in this handbook is offensive to any particular group of people, and if anyone is offended, I think that they are unjustly taking offense, but I apologize nonetheless. Even though this is an Engineering Society Publication, it is in no way the official voice of the Society, and therefore should not be viewed in that way.

*Selda Sharifi-Rad
Editor*

EDITORIAL

Selda Sharifi-Rad, Editor

Hello ladies and Gentlemen, and welcome to Skuletm. This is Selda, your editor speaking. Please fasten your seatbelts, and refrain from smoking (the book is highly flammable). Get ready for the ride of your life!

This journey will take approximately four years. In front of you, in the form of the 9T5 F!rosh Handbook, you have a simple guide to the attractions you will see on your way. To get by safely and happily, read it, as it has been designed (engineered?) to help you get the most out of this voyage. Read and enjoy.

In a less formal tone of writing, hi everyone! I (the Ed.) am still a F!rosh. I will be until you guys get here for Orientation. So hurry up and get here; I want to be an upperclassman! Being F!rosh isn't so bad though. Actually, it's pretty good. Except for the academics which kind of suck every year; no matter; I'll have fun anyway!

With the help of many people, The Engineering Society presents to you, The 9T5 F!rosh Handbook. It contains very useful pieces of information, about everything you need to know as an engineering student at U of T, interrupted by pieces of blatant filler that happens to be funny. Read everything. You won't regret it. Besides I spent hundreds of hours putting it together.

Participate. Read this handbook to see what's there to participate in, and then GET INVOLVED. Throughout this book, very many people will be telling you to do the same. How could so many people be wrong? OK, looking at who these people are you might think it's very possible that they're all wrong; but not in this case. Another thing, read it carefully! Ereht era

neddih segassem. Tcenoc eht dedlob srettel! (No, that's not Latin)

Let's see. What else did I want to say to you folks? Oh yes. The people I'd like to formally thank and not-thank. In the thank list are all of the editurs of past handbooks. I've recycled a lot of material from them, and even though most have been updated and modified, many were too good to begin with to change to much. First on the thank list should have been the programers of Ventura and CorelDraw. But I guess second is good enough. Next, I thank Justin Bowler, my production managur. He was much help and spent many sleepless hours on the computer fixing and unfixing and fixing again all the mistakes I made. I couldn't have done it without him. Ivana, my assistant editor and the rest of my staff listed on the previous page have also been a lot of help, without whom I would have been in a lot of trouble. All companies who advertised in here are herby thanked. I would also like to thank everybody who gave me their articles on time, and acknowledge the presence of those who gave me their articles late. On the not-thank list are people who didn't give me their articles at all! You know who you are and I hope you feel very, very guilty.

Again read this handbook and participate. You can probably get by not doing anything but school work, but you really don't want to. Your four years here are the best you'll ever have if you go out there, participate, and enjoy. There's something to suit the needs of everybody. Engineering's a lot of fun. Make it enjoyable for you.

This is your editor speaking. (writing?) Make sure you look out the window every once in a while, and enjoy your journey.

F!ROSH GLOSSARY

APSC--Abbr. Faculty of Applied Science and Engineering (What you are in)

Artsy--Anyone who isn't an Engineer. Could be your mother, brother, friends, or maybe you if you don't get down to work soon. Plural: Artsies. See also article in this book.

Atrium--A nice place to admire la ...whatever.

BFC--A mythical organization that does not exist, never did exist, and never will exist: see 'caper'. See also article in this book.

BNAD--See LGMB. See also article in this book.

3-D Bridge (card game)--For Eng. Sci. types only.

Cannon--Symbol of U of T Engineering might, a.k.a. the mighty SKULE™ CANNON. Guard it with your life. See also article in this book.

Cannon Newsletter--Bi-weekly bulletin of current events in engineering. See also article in this book.

Cannonball--Annual Engineering semi-formal: come on out and enjoy.

Caper--Refer to BFC, late night tactic (usually illegal) to disturb feeble-minded artsies. (note - this term has nothing to do with da BFC)

Chariot Race--A race held during Godiva Week. Includes innovative chariot designs (a barrel with wheels on it) from each (?) department. Rules: F!rosh cannot win, anything else goes.

Chocolate covered espresso beans -- Your sleep substitute for September to April, three beans equal one cup of coffee.

Donut shop--See Mice

Dog--Domesticated four legged animal. Known to take about 15 minutes just to go to the john, mine has no nose. See SMELL.

Editurd--An EDITOR of an Engineering publication, i.e. the damn thing you're reading. Edi(turd). Get it? TURD. Funny stuff, eh?

Eng Soc--Abbr. Engineering Society, everything in Engineering that doesn't have to do with academics, located in SF B670, come down and get involved.

Euchre--For those who can't play bridge

F!--Abbreviation for everybody's favorite four letter word. adj. F!ing.

F!ing Artsy--People who aren't Engineers (Nurses and Rehabs excepted), or aren't your friends or relatives (unless you don't like them either)

F!ROSH--Scared and dumb first year student: That's you. Now you know why the ! is in there.

Fart--Why you little pig!

Gang Bang--A competition where impotent pretenders challenge the mighty SKULE™ CANNON. We always win.

Gilligan--a.k.a. Gil -- a.k.a. Hex -- a.k.a. Alex Chapman -- a.k.a. Eng. Soc. Prez.

Godiva--"Goddess" of Engineering. See also article in this book.

Godiva Week--A week of fun stuff (chariot races, Beer, movies, beer...) held in January.

Grad Ball--A "formal" party for the graduating class, but why go once when you can go four times?

Irish Spring--Because we like it too...

Joe E. Skule™--Legendary Skule™man. First BFC Chief.

Julie --Famous race car driver. Also, Eng. Soc.'s Administrative Assistant.

LGMB--Lady Godiva Memorial Bnad. see DOG

Make-up--Publications function including the creation of articles, disposal of Beer and Pizza and similar acts of literary greatness.

Mice--See article in this book about them, if you really must. Also see: Donut Shop.

MMS--Abbr. for Metalurgical Engineering and Materials Science.

The Newspaper--Read the Toike Oike.

...**Not**--could mean almost anything.

Nurse--Member of a mostly female professional faculty.

Perma F!rosh--See retreat

PSY 101--No one is quite sure, but if we were, that is if possible, to look at it analytically, the ramifications of its content would be perpetually complexing; furthermore...

Rehab--Another mostly female professional faculty. But there are two kinds of these: OT's and PT's

Retread--See Perma F!rosh

S.F. Library--A nice place to admire those darts in the ceiling.

Slowfarts--Shhhh ... Robart's Library, don't drop a pin in there, or someone will tear your head off.

SAC-- U of T's Students Administration Council. (SAC SUX)

Shinerama--one of Skuletm's favorite charitable events. Hopefully we won't need it much longer. See also article here.

Skuletm--(note metric spelling) your home for the next four years (God and Faculty willing)

SkuletmNite--A musical comedy revue. The absolute best show on campus. Try out even if you have a talent. Watch for the posters. See also article in this book.

Sleep--Get it while you can

Smell--how does he, do you ask? see TERRIBLE.

Smoker -- Once-in-a-while-departmental-informal - get - togethers --- cheap pizza, generally a good time. Coming soon to a Common Room near you.

Mr. Snuggles--Ivana, the Toike Editurd-In-Chief's teddy bear. He's soft and cuddly and sleeps with her every night. (unless a bigger teddy bear is replacing him - Ed)

Socialism--Lotsa people like this idea in U of T, watch out for them, see: The Varsity

SPS--Abbr. School of Practical Science. (Skuletm's a better word)

Steam Tunnel--For troglodyte f!rosh only. see also EXPULSION in the Faculty calendar.

The Stores--The Engineering Stores. The cheapest place to buy your books.

SUDS--favorite hangout on Fridays. See also article in this book.

Terrible--yup, you guessed it.

Toike Oike--rivals the Toronto Sun as best paper in Toronto. See also article in this book.

Upperclassmen--grown-up(?) F!rosh

Tom Vu's free 90 minute seminar--work hard, or you'll end up there.

The Varsity--a.k.a. The Varshitty, anti-Engineering newspaper, see: socialism

XES -- SEX backwards.

DEAN'S MESSAGE

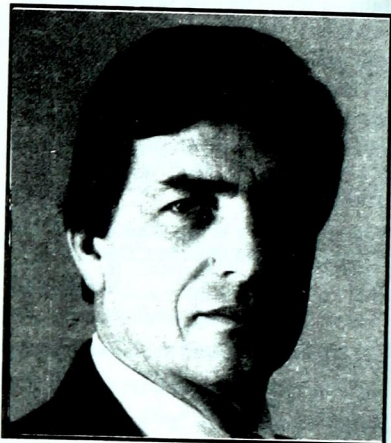
*G.W. Heinke
Dean, Applied Science and Engineering*

Welcome to the Faculty of Applied Science and Engineering at the University of Toronto. I look forward to meeting you at Orientation, or whenever you need to talk to me. My office is in Room 173 in the Galbraith Building.

We are pleased that you have chosen to study Engineering at Toronto. You have already demonstrated through your excellent academic record at high school that you are bright and hard working. We will provide lots of opportunities during the next four years to stretch your mind further!

Although your studies will keep you quite busy, don't neglect to take part in student activities outside the classroom. There are many opportunities for you to improve the learning environment, by serving on departmental and Faculty committees, by serving on committees of your student society, and later on, university-wide bodies. U of T is a very good institution, but it can become even better. You are an important part of that process, but only if you are willing to be an active player.

There are also lots of opportunities on the lighter side. The Engineering Society at Skule™ has a long and proud tradition. Many of their activities enrich the life of the Faculty, the University, and the community. You might become a member of the Lady Godiva Memorial Band, the Stage Band, the many sports teams sponsored by the Engineering Society, or help with community oriented programs run by the students. It takes a bit of time, but you will find it rewarding.



Several years ago, your predecessors at Skule™ started a noble tradition by initiating the \$100 per year levy to improve the quality of your education. Annually, this program adds a quarter of a million dollars toward the other funds the Faculty invests to improve undergraduate teaching equipment. More recently the "class leaving pledge" of the graduating class adds even more towards helping the Faculty to modernize and improve. That's responsible self-help!

My best wishes go to you at the start of your engineering career. We are glad that you are here. If you run into problems or difficulties, please speak to the undergraduate counsellor in your department or come to the Faculty Office for help. Your representatives on the Engineering Society may have gone through similar difficulties and they are most eager to make your transition from high school to university a painless one.

ALUMNI ASSOCIATION

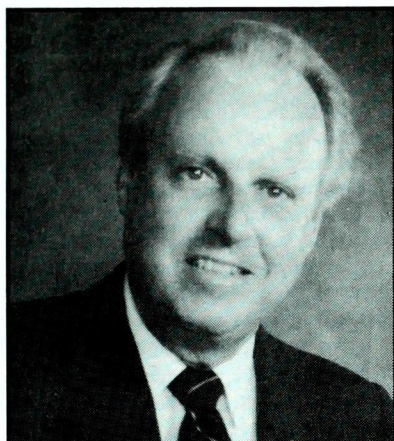
Malcolm McGrath
Assistant Dean, Alumni Liaison

Welcome to the wonderful world of Skule™! In four short years (more or less), you will be an alumnus/a of our Faculty: it's not too early to start thinking about what this means.

For instance, in 1990 alumni of U of T Engineering contributed over \$530,000 towards your education. This money was spent mainly on new equipment for the Faculty but also on the following:

- Orientation events
- Cannonball and Grad Ball
- Skule™ Nite
- Engineering Society publications
- Noon hour musical events
- Prizes for the Telethon
- L.G.M.B. and the Skule™ Stage Band
- The Engineering Athletic Association
- The Ontario Engineering Design Competition
- Canadian Congress of Engineering Students
- Club projects from various disciplines

1990 marked the completion of the Engineering Breakthrough Campaign. Over five million dollars was pledged to Skule™ by alumni over the next five years. You will see signs of how the Breakthrough money is being spent as you look around you. The brand-new Pratt building and the changes to the Mining building are the tangible results of the extra generosity of our alumni. Keep in



mind that Breakthrough funds were donated *on top of* gifts to the Engineering Annual Fund last year.

As well as all this, the Engineering Alumni Association has an office located in the Galbraith building, right across from the Dean's office. If you have any questions or problems that no one else is able to help you with, drop by room GB 173--the door is always open!

Remember: 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 within the University and the world. Since one good turn deserves another, I hope that, after you leave us, you will remember all that the Faculty did for you.

AND NOW - THE PRESIDENT

Alex "Gilligan" Chapman
Engineering Society President 1991-92

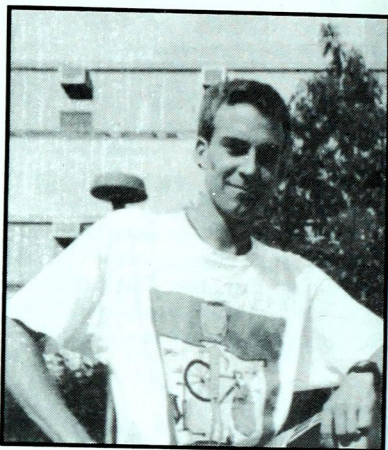
Greetings and salutations and congratulations! You are now a student of the Faculty of Applied Science and Engineering of the University of Toronto. This makes you a very special person, and part of a tradition more than a century old. I've been around this crazy place for as long or longer than most, so naturally I have words of wisdom (or at least fairly harmless advice) for you.

GET TO KNOW EVERYONE YOU POSSIBLY CAN. Believe me, there are lots of friends to be made. Some of the coolest people you'll ever meet will be sitting next to you at orientation. And they'll be with you for four years (or longer, as in my case). They will not only be great people to party with, they can also help you out later on when you run into the Problem Set From Hell. You'll also find that there are peculiar things they have in common with you that not even your best friends from home do.

DON'T LET SCHOOLWORK GET YOU DOWN. Sure, do your work. If you miss handing in a problem set because of Ye Olde Brunswick House, it's not the end of the world. Just relax - but not too much, or you'll find yourself in the sea of ordinary people who "used to be engineers". Always remember, it's not how bad you did, it's how bad everybody did. I made it through first year surfing on the bell curve, and so have many others.

(P.M.'s Note: Gil's surfing didn't quite carry through first year Eng.Sci. He seaweeded into Civ after April!)

GET INVOLVED IN SKULE™. As an undergraduate student in the Faculty of



Applied Science and Engineering, you are also a member of the University of Toronto Engineering Society. You can call it Eng Soc ("N Sock") for short, 'cuz everyone else does. Eng Soc is to engineering what your student council was to your high school, only eleveny seven kazillion times better.

There are a multitude of ways that you can put your existing skills to work, or learn entirely new ones. The Skule™ Yearbook, the sometimes controversial but always humorous Toike Oike . . . the fabled but non-existent BFC, the Social Committee, the First Year Committee, the Women's Committee, the Blue and Gold Committee, the Professional Development Committee . . . the Lady Godiva Memorial Band, the Skule™ Stage Band, the critically acclaimed and immensely popular Skule™ Nite Musical Comedy Revue . . . the Engineering Athletic Association . . . each one holds a world of opportunities for doing great things and meeting excellent people.

And yes, the secret's out - good marks aren't the be-all-and-end-all that the class keener may think they are. When the time comes for you to step into the real world and look for a job, the people behind the big desks are looking for people who know how to work with other people, not just how to diddle with their HP.

Interpersonal skills are the ticket to success in today's world, and there's no better place to learn them than right here. But be warned - sometimes the rewards of a job well done will make going back into the classroom seem pretty mundane.

So just do it!

norman wade company ltd.



75 Milner Ave 891 Youngs St
Scarborough Toronto
Tel: 291-4211 Tel: 924-7374
Fax: 291-7171 Fax: 924-1906

- Engineering Equipment and Supplies
- Drafting Equipment & Supplies
- Plotter Equipment & Supplies
- Drafting & Plotting Media
- Reproductions
- Art & Drawing Equipment

WHERE TOMORROW IS MADE

Canadian Marconi Company -- a global leader in the design, development and manufacture of avionics, commercial and tactical communications, specialized components and radar systems.

One hundred and thirty-eight countries worldwide rely on our expertise in state-of-the-art electronics.



CANADIAN MARCONI COMPANY

Cornwall, Ontario

Montreal, Quebec

Kanata, Ontario

Dow Where Achievement Meets Reward

Dow Chemical Canada Inc. is one of the largest Canadian manufacturers of chemically based products. At Dow, we're dedicated to growth. We're driven by quality performance and innovation. We're committed to protecting the environment. And, we're focused on serving our customers.

These challenges provide exciting and rewarding careers for graduates from:

- Engineering • Arts and Science
- Business • Math and Computer Science

Discover where achievement meets reward.



*Trademark of The Dow Chemical Company

Write to: Dow Chemical Canada Inc., University Recruiting, P.O. Box 1012, Sarnia, Ontario N7T 7K7

ORIENTATION

LEEDUR: Andrew Steeper, Vice President of Activities.

THE BEGINING: Tuesday, September 3rd, 1991 at 8:30 am.

WHERE: Convocation Hall
(affectionately known as Con Hall)

WHY: 'cause!!!

At the University of Toronto, like many other Universities, Orientation is a time in which the incoming first years are made acquainted with their community. At U of T, however, our Orientation is a time in which the SKULE™ Spirit is instilled in us. Every Faculty has their own brand of orientation, but SKULE™ has the best and the most enthusiastic of them all.

During your introduction to SKULE™, the Flrosh leedurs (the

priviliged few who wear blue coveralls) will look after you and lead YOU, the Flrosh, through singing, scavenging, Faculty, Flrosh Nite, and SUDS not to mention meeting new faces. Many activities will be held outdoors, so DO NOT dress fancy like, wear clothes more suited for mud wrestling than for Convocation.

Much of the spirit of Engineering stems from our first week at SKULE™. If you miss out on Orientation, you will miss out on one of the greatest parts of your undergraduate education. It's one of the many reasons that the Faculty of Applied Science and Engineering has remained the unified body that it is.

Remember that Orientation is our welcome to you. So, on behalf of the Engineering Society, I welcome you to the University of Toronto, SKULE™ 9T5



SHINERAMA

Rajko Krminac
Shinerama Co-Chair

During orientation, one of the more noble and enjoyable series of events taking place is **Shinerama**. You maybe wondering what is **Shinerama**, why it is noble and what makes it so enjoyable.

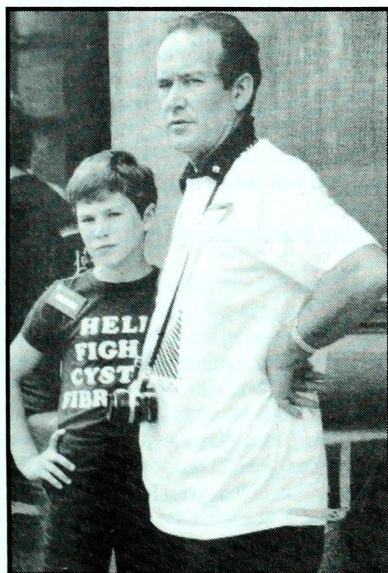
Shinerama is a national campaign designed to raise money in aid of Cystic Fibrosis Research. Cystic Fibrosis is a serious chronic disorder that effects a multitude of children and young adults across Canada. The average life expectancy of a Cystic Fibrosis sufferer is 25 years. Twenty years ago when **Shinerama** first began most Cystic Fibrosis children did not reach their fifth birthday. This encouraging rise in life expectancy of C.F. sufferers is a direct result of funds raised during the twenty years of **Shinerama's** existence but still there is no cure. Hopefully this year a cure will be found with the help of money raised from the many **Shinerama** events.

The Wednesday during **F!rosh** week, **F!rosh** from all faculties and colleges gather in front of Convocation hall to take part in the first **Shinerama** event. After a boisterous pep rally you are armed with a free lunch, a collection box, and a shoe shine kit; thus you are ready to swarm the streets of Toronto to shine shoes and raise much needed funds. Prizes will be awarded to the top money raisers. Last year the top prize was a brand new mountain bike, valued at over three hundred dollars. This bike was won by an Engineer of course. In fact the whole Engineering faculty demonstrated a superior effort, which enabled us again for the umpteenth time to raise more money than any other faculty or college. The bulk of the money raised through **Shinerama** is

raised by **F!rosh** like you during this Shoe Shine phenomenon.

Other **Shinerama** events during **F!rosh** week also help to raise money. One such event is the bed race on Thursday. Competitors push a bed down St. George St. in hopes of outracing other colleges and faculties to the finish line. You can support the Engineering faculty by purchasing water balloons from the many water balloon merchants sprawled along the race route and tossing the balloons at competitors from other faculties in order to slow down their progress. Keep an eye out for other **Shinerama** events during **F!rosh** week and beyond.

We hope that all these events make **Shinerama** a huge success this year. This can only happen with your support. So don't forget to show up at all the **Shinerama** events and enjoy yourself.



THE STORY OF LADY GODIVA

Selda Sharifi-Rad, Editor

No-one knows if the story of Godiva is a myth or if it is real history; none the less, the story is told here in the words of Alfred Lord Tennyson. As you read through this poem, you will realize that Lady Godiva was indeed a noble lady, but her relation to engineering might not be as obvious. Actually, she doesn't have any relation to engineering other than the fact that Lady Godiva helped her fellow townspeople, and that is what we as engineering students are being trained to do: To serve the society we live in to the best of our ability.

Just as no-one knows if there is any truth to the story of Lady Godiva, no-one knows why she was chosen as the mascot

of engineering students. British Army Engineers were those who originally chose her as their mascot and we have taken the tradition from them. Right now, all Canadian engineering schools have adopted Lady Godiva as their mascot and they all sing the Engineering Hymn (± a few verses) just like we do.

Regardless of why Godiva was chosen as our mascot, she is something that all Canadian engineering students have in common. Graduated engineers have The Iron Ring, and we have Lady Godiva. It's what bonds us together as a whole.

Whenever you see a picture of Lady Godiva, or sing the Engineering Hymn, remember who she was and what she stood for. Because that's what matters.

GODIVA

by: Alfred Lord Tennyson

*I waited for the train at Coventry;
I hung with grooms and porters on the
bridge'
To watch the three tall spires; and there I
shaped
The city's ancient legend into this:-*

Not only we, the latest seed of Time,
New men, that in the flying of a wheel
Cry down the past, not only we, that prate
Of rights and wrongs, have loved the
people well,
And loathed to see them overtax'd; but she
Did more, and underwent, and overcame,
The woman of a Thousand summers back,
Godiva, wife to that grim Earl, who ruled
In Coventry: For when he laid a tax
Upon his town, and all the mothers
brought

Their children, clamouring, 'If we pay, we
starve!'

She sought her lord, and found him, where
he strode

About the hall, among his dogs, alone,
His beard a foot before him, and his hair
A yard behind. She told him of their tears,
And pray'd him, 'If they pay this tax, they
starve.'

Whereat he stared, replying, half-amazed,
'You would not let your little finger ache
For such as these?' - 'But I would die,'
said she.

He laugh'd and swore by Peter and by
Paul:

Then fillip'd at the diamond in her ear,
'Oh ay, ay, ay, you talk!' - 'Alas!' she
said,

'But prove me what it is I would not do.'

And from a heart as rough as Esau's hand,
He answer'd, 'Ride you naked thro' the
town'
And I repeat it; and nodding, as in scorn,
He parted, with great strides among his
dogs.

So left alone, the passions of her mind.
As winds from all the compass shift and
blow,

Made war upon each other for an hour,
Till pity won. She sent a herald forth,
And bade him cry, with sound of trumpet,
all

The hard condition; but that she would
loose

The people: therefore, as they loved her
well,

From then till noon no foot should pace
the street,

No eye look down, she passing; but that
all

Should keep within, door shut, and
window barr'd

Then fled she to her inmost bower, and
there

Unclasped the wedded eagles of her belt,
The grim Earl's gift; but ever at a breath
She linger'd, looking like a summer moon
Half-dipt in cloud: anon she shook her
head,

And showered the rippled riglets to her
knee;

Unclad herself in haste; adown the stair
Stole on; and, like a creeping sunbeam,
slid

From pillar unto pillar, until she reach'd
The gateway; there she found her palfrey
trapt

In purple blazon'd with armorial gold.

Then she rode forth, clothed on with
chastity:

The deep air listen'd round her as she
rode,

And all the low wind hardly breathed for
fear.

The little wide-mouth'd heads upon the
spout

Had cunning eyes to see: the barking cur
Made her cheeks flame: her palfrey's
footfall shot

Light horrors thro' her pulses: the blind
walls

Were full of chinks and holes; and
overhead

Fantastic gables, crowding, stared: but she
Not less thro' all bore up, till, last, she saw
The white-flower'd elder-thicket from the
field

Gleam thro' the gothic archway in the
wall.

Then she rode back, clothed on with
chastity:

And one low churl, compact of thankless
earth,

The fatal byword of all years to come,
Boring a little auger-hole in fear

Peep'd - but his eyes, before they had their
will,

Were shrivell'd into darkness in his head,
And dropt before him. So the Powers who
wait

On noble deeds, cancell'd a sense
misused:

And she, that knew not, pass'd: and all at
once,

With twelve great shocks of sound, the
shameless noon

Was clashed and hammer'd from a
hundred towers,

One after one: but even then she gain'd
Her bower; whence reissuing, robed and
crown'd,

To meet her Lord, she took the tax away
And built herself an everlasting name.

THE ENGINEERING HYMN / HYRN

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

CHORUS:

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

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.

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

An artsman and an Engineer once found a gallon can,
Said the 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.

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

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

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

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

Venus is a statue made entirely out of stone,
There's not a fig leaf on her, she's as naked as a bone.

On noticing her arms were gone, an Engineer discoursed,
"The damn thing's busted concrete and it should be reinforced."

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 street, but now she's on parole.
My brother runs a restaurant with bedrooms in the rear,
But they don't even speak to me 'cause I'm an Engineer.

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

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

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

Every year en masse the Engineers take to the street,
To show that Skule™ men give a damn and aid C.F.'s defeat.
With customary gusto and teamed with a nurse of course,
They raise the bucks by shining shoes with spirited BRUTE FORCE!

The Jerry P. Potts trophy for the Chariot Race at Skule™,
Had been stolen from the fold but Mario said, "Dis ain't cool."
So Mario recovered it, returned it to the throngs,
On the condition that the Skule™ men sing his praises in their song.

Industrials have got the dates and that's a known fact,
It's not the way they part their hair, or in the way they act,
It's that they're such good lovers with that extra special touch,
Since you have to get that skillful when you fuck the dog so much.

All Eng Sci types in second year are really in a plight,
Thy are the masochistic ones who didn't see the light,
After two more years they will all be just as brain dead,
As any first year civil engineering cement head.

Now you've heard our story and you know we're Engineers,
We love to hate our problem sets, 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, HELL-OF-AN ENGINEER!!

---EARTH SHATTERING KA-BOOM---

(SKULE™ YELL)
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 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™!!

NOTE: Usually only the first two verses are sung, with chorus, followed by an earth shattering Ka-Boom and the Skule™ Yell.

SONGS AND CHEERS

KNIT ONE

Knit one, purl two,
Hey _____, Yoo hoo!

ROB WEST'S CHEER

Tomatoes, potatoes,
Split pea soup!
Come on Blues,
Boo boop de doop!

MATHIES CHEER

$e^x dy/dx$
 $e^x dx$
secant, tangent, cosine, sine
3.14159
Square root, cube root,
Q.E.D.,
Slip stick, slide rule, pphht
U.C.!

Huskies, muskies,
Don't eat yellow snow!
We're gonna beat

We know, we know, we
know.

It is a well known fact
that one of the best
ways to display spirit it
by creating large
amounts of noise. To this
end, we are proud to
present here, a
compendium of cheers
and songs to guide you
in this endeavour.

Spectacles, testicles,
Wallet watch!
Blues, Blues, kick 'em in
the crotch!

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

We got the spirit,
We got the guts!
We got _____
By the nuts!(Squeeeeeeze)

Oxydol, Oxydol,
Granulated Soap!
We're gonna beat

We hope, we hope, we hope!

MEDS CHEER

Regurgitate, regurgitate,
Bring up all the food you
ate!
Vomit, vomit!
Yayy...Meds!

TRINITY CHEER

Crumpets and Teat,
Crumpets and Tea!
We're the boys from Trinity!
We're not rough,
We're not tough,
But boy! Are we sexy!

TWO WORD CHEER

Awww.....SHIT!



WASHINGTON AND LEE SWING (Marching Bnads)

When marching bands and policemen fall in
line,
We've got to win the game another time,
And for the BLUES I yell, yell, yell, yell,
yell,
And for the University I yell like hell.
We're going to fight, fight, fight for every
yard,
Circle the ends and hit the line right hard,
And throw the enemy upon the side
(HIT 'EM HARD) RAH! RAH! RAH!

When polar bears and penguins fall in line,
We've got to wing for the Arctic another
time,
And for the Moose I yell, yell, yell, yell,
yell,
And for the Albatross I yell I yell like hell.
We're going to fly, fly, fly, for every yard,
Circle the ice and hit the tundra hard,
And throw the polar bears upon the ice
(HIT 'EM NICE) OOL! OOL! OOL!

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.

School cheer:

TORONTO, TORONTO, TORONTO
 VARSITY!
 (WE) SHOUT (AND) FIGHT (FOR THE)
 BLUE (AND) WHITE
 (AND THE) HONOUR (OF) U OF T!
 RIPPORTEEE, RAPPORTEEE,
 RIPPORTEEE RAPPORTEEE REE!
 TORONTO, TORONTO, TORONTO
 VARSITY!
 YAAAY TORONTO!!!

WEB-FOTTED

Ba ya bup bup bup bup bup bup bup bup
 bup bup bup (3x)
 Ba yah yah yah yah yah...
 Be kind to your web-footed friends
 For a duck may be somebody's mother
 Be kind to your friends in the swamp
 Where the weather's very very damp
 Well you may think that this is the end
 Well it is (silence)
 But only for a moment
 The end is now.

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 a load,
 I'm, your, mailman.
 When I'm walking down the lane,
 The women say "Please come again!"
 I'm, your, mailman.
 Each one gets as much as I can give, her.
 Each one says she wants me to deliver.
 So if you're feeling down and blue,
 I've got something good for you,
 I'm, your, mailman.

**GOD SAVE THE
(NON-SEXIST) ENGINEER**

God save the engineer
 Feed him (or her) on rum and beer
 The engineer
 bup bup bup bup
 He (or she) likes to drink and sing
 Nurses he (or she) is sure to bring
 On campus he (or she) is king (or queen)
 The Engineer

TICKLE MARY

I'd go a long way to tickle Mary,
 Though it's a long way, I know.
 I'd go a long way to tickle Mary,
 She's the sweetest girl I know.
 Whenever somebody tickles Mary,
 Mary goes tee-hee.
 But now nobody ever tickles Mary,
 'Cause she's got VD.

WHAT IS AN ARTSY ?!?

Artsy - Homo
Sapiens Artsius
Fartsius Reallius
Boringus

The term "Artsy" developed during a shouting match between an Engineering student and a student from the Faculty of Arts. The Arts student called the Engineer boorish, sexist, homophobic, racist and nasty at which point the Engineer, in what historians have labeled "a descriptively concise and eloquent use of the modern english language," responded by saying: "I am not you, you . . . Artsy!"



Artsies are people in the Faculty of Arts and Science. They actually call themselves students, but we don't, and that's all that matters. They are very distinguishable. Sometimes they wear t-shirts that say UC or Vic or other such things, or they wear jackets that say ARTS or ADMIN but even if they don't wear such identifiable clothing, it's generally easy to tell who they are. For one, they don't carry around many books; 'cause artsies got no class. So you won't be seeing them lugging around a 200 ton nap sack. Second, they talk like artsies. After

like meeting like one artsy like you'll like be able to like identify like their speech patterns. You get the idea!

You can spot artsies hanging around the outside of Sidney Smith, in parks, malls, or anywhere other than classrooms. They have class something to the equivalent of an hour every other week. If you see one of these creatures, continue walking in the same direction. Their favorite TV shows are gameshows in the mornings and Oprah in the afternoons. You see, they, unlike you, have time to watch TV 'cause artsies got no class!

GUIDE TO 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 far more often much more valuable for the problem oriented courses, ie: 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 can also get away with buying books second hand from upper-class(wo)men. This method often costs the least, so you might want to consider it before you go to the stores to buy your books.

A good calculator is essential, but sometimes your HP-28S will be deemed

too fancy, so if you have one, you'll have to beg, borrow, or steal an acceptable one for the exams. An acceptable one generally means non-programmable, but check with your prof first.

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 (or all of 'em - Editor) and no one will be the wiser. 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. (a few other reasons: they're damn boring, you'd rather be sleeping, you really always wanted to be a lawyer...-Editor)

However, that seemingly irrelevant material covered during those boring lectures may not seem so useless during the last weeks before Christmas (exams) or the period around the end of April (exams II - the sequel) or, for that matter, around mid-summer when you get your marks. 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 lectures unless you're into tape recorders. (No, that ain't cool to do - Ed) Bad, unreadable, or incomplete notes can be quite a handicap

around exam time. (Gee, the guy who wrote this is a genius - Ed)

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" in a loud, clear voice.

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 (on your own time) 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"

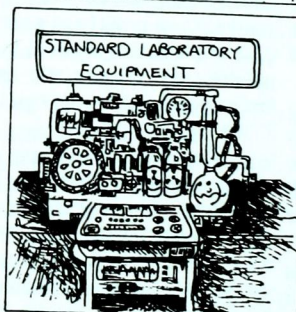
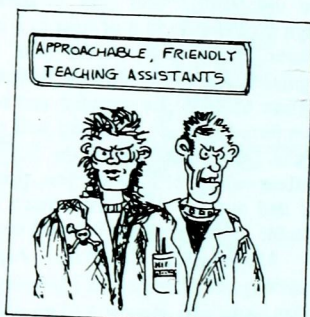
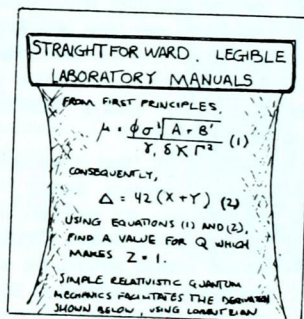
DO the lab prep! The lab should then take care of itself - if the equipment doesn't blow up, that is.

A partner you can get along with is essential as most of the labs are done in groups of two. Also try to share the work equally because the lab is supposed to be a learning experience, and one of you is bound to get mad if they continually have to do all of the work.

The lab assistants can never seem to spend enough time telling you to keep a neat lab book. Hint: neatness counts. In addition to helping your mark for the lab, your lab book will be easy to study from.

Remember, there can be lab stuff on the exam.

Rico's GUIDE TO ENGINEERING LABS



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-bitch problem sets out of the way. If you do them in the tutorials, 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 Teaching Assistants, among other unpleasant 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 problem sets varies wildly, but they are usually used as teaching tools, not examinations. If you don't do anything else do problem sets, it'll make studying a hell of a lot easier. If you haven't got them in on time, then just go to the prof., demonstrator or T.A. for an extension-then at least they won't be too angry with you.

Even though problem sets are often your only method of self-assessment, virtually everyone has copied borrowed one (or worked in a group on a supposedly independent effort) at some time or other. Let us caution you, however, from falling into the habit of copying whole sets on many occasions. When the exams (which count for a whole lot more) come, you are

doomed, because there is nobody there to copy from. 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 (are you sure?-Ed.), 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 times 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 first row. The best way to avoid even these efforts is to take part in the student-staff 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 the Chair of First Year Studies (Dean Boocock), who has the power to effect change and wants to help.

While we're on the subject, we might say a little more about the FACULTY OFFICE. That's where you'll find the aforementioned First Year Chair, not to mention a whole host of comely nubles. All these people are sincerely interested in helping you out.

We hope that you are in the mood to be depressed now because we have to talk about...

EXAMS

It is certainly not in our capability to tell you how to achieve good marks on these disasters. Rather, we will impart to you a few tips concerning the fighting of this devastating holding action.

Firstly, they are virtually all made up of problems, not essays. This means it is really possible to get zero or some other incredibly terrible mark. Mostly 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, namely, Devry.

But be of good cheer. What really counts is the mystical magical Bell Curve. Nearly all profs believe that mark

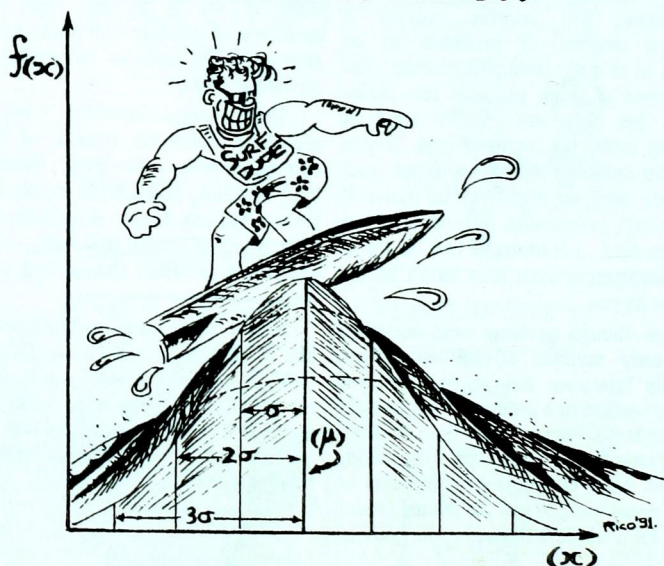
distribution should follow a normal (gaussian) curve, with the average somewhere around 65-70% (depending on how smart he thinks the class is). The marks are usually "adjusted" to fit, so what really matters is how badly you did in relation to the rest of the class. (If everyone else failed too, then your zero only looks half as bad).

Usually on term tests they leave these marks so that you are frightened into doing some work but on a final exam they are usually all raised (but not always - the curve works both ways, so if everyone did really well your mark may go down!).

BUDGETING YOUR TIME

The key to your survival is to budget your time so that you can get everything done that you have to get done. At some point in time you will get so many

RIDE THE BELL CURVE!!



assignments that will need to pick and choose the important ones or not get any sleep. You shouldn't spend hours on minuscule problem sets while you have a mid-term worth 30% the next day. Set your priorities!

Don't get behind, even though it's practically impossible not to, catching up isn't so hard either. But when you study, use the course outlines given to you by your prof. It helps you know what you need to know and what you don't.

Please don't "cram". It's not good for you or your marks. Neither is "pulling an all-nighter" on a computer program or something. You will be somewhat exhausted for the rest of the week, then you will have to pull another all-nighter to make up for the work you didn't feel like doing then...

We're not saying that you should spend every waking (and sleeping) hour doing homework. You don't have to. Remember that "all work and no play makes Joe (could be Josephine if you are a girl - Ed) a dull engineer". Also fun stuff really helps you release tension.

As for the Christmas holidays and reading (ski) week, plan on getting nothing done. Because that is exactly what will happen anyway!

PETITIONS

One usually 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 exam 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 legit and worth the short walk over to the Faculty

office to get a form. (For more info on where and how to get a form and how to fill it out look in the section in this handbook entitled "Student Services".) Petitioning costs nothing and may be worth quite a few marks.

If you have any questions regarding how to survive academically, as it is quite necessary to do so, and is also a fair bit different from surviving in high school, ask an upperclassperson. During Orientation, there will be a big brother or sister assigned to you and these people are often good for asking general questions from. (or borrowing old notes and problem sets from.) They also remain your big brother or sister for the entire year so if you run into some problem and don't know what to do, go to them; they are there to help.

Good Luck and if you find the secret of success phone us at 978-2917 and we'll take it off your hands at a reasonable rate.

FLUOR DANIEL CANADA, INC.



Diversity makes the difference.

If you demand a lot from your career there's tremendous potential with Fluor Daniel. With offices across Canada, we are a fully integrated organization providing total responsibility for engineering, procurement, construction management and maintenance services. Large or small, government or private enterprise, our projects are diverse.

Fluor Daniel Canada, Inc.
Suite 801
1 City Center Drive
Mississauga, Ontario
L5B 1M2

DICTIONARY OF RESEARCH TERMS

As you flourish progress through your years at Skule™, you will have to read and write hundreds of reports on experiments and research problems. To help you sift through this morass of paper and obtain the gist what is written, we here present a brief dictionary of some of the most common words and phrases encountered.



"It has long been known..."

I didn't look up the original reference.

"Of great theoretical and practical importance..."

This was an unsuccessful experiment, but I still hope to get it published.

"Three of the samples were chosen for detailed studies."

The other forty-seven made no sense.

"Typical results are shown."

The best (edited) results are shown.

"It is believed that..."

I think.

"It is generally believed that..."

A couple of other guys think so too.

"It is clear that much additional work will be required before a complete understanding of the phenomenon is possible."

I've got no fucking clue.

"Correct within an order of magnitude."

Wrong.

"Thanks are due to Dr. Charles Smith for assistance with the experimental work and Dr. William Jones for valuable discussions."

Chuck did the work and Bill told me what it meant.

"It can therefore be determined"

Chuck and Bill told me.

"A graph showing a line that best fits"

I drew the correct line, and then put dots around it. (TFD - Totally Fudged Data)

"A careful analysis of obtainable data..."

Three pages of notes were obliterated when I knocked over a quart of beer.

"A statistically oriented projection of the findings..."

Wild guess.

"A highly scientific area of exploratory study..."

Some dumb-ass topic suggested by my committee.

"A definite trend is evident..."

This data doesn't mean shit.

"I believe that much further, and more detailed study is necessary in order to further understand this phenomena."

I hope that I can get my grant renewed for another year of screwing around. Otherwise I'll lose my cushy office and have to go back to teaching statistics to Eng. Sci.'s

PLACES TO . . .

Justin Bowler
Eng Sci 9T1 + P + 1

None of you know me yet, because you haven't arrived. Some of you may meet me at summer nites, and a great many more of you will meet me during orientation. The first thing you will probably learn is my song. (I won't go into that right now ...) You will all be new and dumb. I, however, have been here for a long time (and getting longer) so I have compiled here a convenient guide to the three bare essentials for an engineer: Eating, Partying, and Sleeping.

... EAT



MARRIOTT

MerriRott is the company which owns most of the cafeterias on campus. (Can you say "monopoly", boys and girls? How about enforced marketplace, competition, free enterprise, capitalism, ... On second thought let's save this discussion for our economics courses, shall we?) After you eat your first meal here, you will probably be looking for alternative fare. (Actually, you will probably barf first.) To top it off, the crap is WAY overpriced. Correction.

The stuff would be WAY overpriced even if it was good! They should be arrested for charging these prices for this garbage. Oh yeah. They also run the cafeterias at several of the residences.

To sum up: expensive, bad taste, poor presentation, unfriendly staff. Thanks for coming out.

HART HOUSE

Hart House contains four places to eat: The Gallery Club, The Great Hall, The Arbor Room, and The Tuck Shop. These are not run by Marriott and all serve quite good food at reasonable prices. The tuck shop is basically a coffee and chocolate bar place, but they sell all sorts of U of T wear and other neat souvenir type stuff. The Gallery Club is a fancy restaurant (reservations only, tres cher) so we can probably stroke it off the list of student lunch venues.

The Arbor Room is a cafeteria on the lower level. Enter by the door in the front center of the building. There is a wide selection of food, and they are licensed. This is a good place to relax once in a while, while your bagging that humanities lecture. They have a patio until late in the fall and live jazz bands every Wednesday night.

The Great Hall is the main cafeteria. It is open for lunch and dinner, Monday to Friday. You can buy a meal plan here that will give you a selection of entrees, as well as soup, salad, juice, milk, etc. They use a meal ticket system also so that if you have too many or too few as the year comes to a close, you can barter with someone else. The meal tickets are also good in the Arbor room for breakfast and on week-ends.

While on the topic of meal plans, and breakfast, I should mention a thing or two about eating habits of engineering students. They don't have any. Three square meals a day is a thing of the past. You eat when you have time, so don't get conned into buying a meal plan for fifteen meals a week, you won't eat lots of them. Breakfast is a coffee and a donut in your first lecture, maybe! Lunch? Whatever you scarf down in the atrium - if you get a break between lectures. Otherwise it's a sub in the back row. (Don't drip mayonnaise on your notes!) And dinner is what you eat at your desk while you pile through the problem sets your supposed to hand in tomorrow. With the high stress, and low sleep of most engineers, the astronomical level of calories in the junk they eat and drink is the only thing that keeps them from wasting away to nothing.

JUKES

Just a short hop across College Street, Jukes has a wide selection and is fairly popular. The food is fairly cheap, fairly fast, and fairly good. Their burger and fries special is very good and the staff is quite friendly. (Say hello to Arnot, if he still works there in September.) Definitely worth partaking in, at least once a month.

THE STUDENT RESTAURANT

Sit down, let them serve you, relax. Breakfast is good, so is daytime fare. Prices are good. Check it out.

THE ELM

Same kind of deal as The Student. Pop in for lunch, the burgers are pretty good, and the staff is friendly. Prices are pretty low, an added bonus to be sure.

CAMPUS SUBMARINE

A submarine place across from the Wallberg building. A lot like Mr. Sub. Close, fast, and cheap.

THE NEW VARSITY

Spadina and Bloor. Similar to the Student, The Official Breakfast Stop of the LGMB after all night bmad events.

DRUXY'S

Deli food. Good service, good prices, great taste. Reasonably good for you as well.

CORA PIZZA

Harbord and Spadina. Good slices, cheap. The photos on the wall are of various parties who have gone through in the past. They also have good delivery deals for students in residence. If you live on or near campus, You will find yourself eating A LOT of Cora Pizza.

SUBWAY

Yet another sub shop. A good change from Mr. Sub though. Better in many ways. All the toppings are free, and you get a free sub after so many visits.

BLOOR STREET (Death Row)

Country Style donuts, Mr. Submarine, Princess Donuts, Harvey's, Swiss Chalet, Getaways, Pizza Hut, Bogey's Sandwich Bar, Gregg's Ice Cream, McDonald's, Cultures

Wow! All these fine restaurants in the same block, just north of Varsity Stadium. Gee Auntie 'Em, it's like a dream come true! Yeah, right. This would be a nightmare to Freddy Kreuger. Not much needs to be said about these. Getaways was a Mother's Pizza before that

corporation pushed up its toes in the friendly Canadian marketplace. New owner, worse food. Bogey's is crap. (Or, so I'm told. I've never actually eaten there.) Cultures is a vegetarian health food place. (Not enough calories in their meals to get even halfway through a calculus problem.) Gregg's is the only good thing here. Excellent ice cream. Their banana split with all the toppings is a definite must!

CHINATOWN

Centered at Spadina and Dundas and radiating outward. Various foods cooked in various ways are served at the zillions of little restaurants down here. My personal favorite is the Eating Counter, on Baldwin Ave near McCaul. Ask for the Satay beef on fried noodle, it ain't on the menu, but they make it, and it is fantastic.

THE DUKE OF YORK

An English style pub, located at Prince Arthur and Bedford, one block north of Bloor. Great food. Great atmosphere. Friendly staff. A large collection of domestic and imported drafts. A bit pricey, but well worth it! A definite thumbs up from me, what about you, Gene? Daily dinner specials include searing hot wings on Wednesdays and Sundays, and all you can eat Spaghetti on Saturdays. Also check out the week-end breakfast specials. This place is a popular hangout with the boys from Devo (see ... LIVE).

The above list covers most of what's close to SkuleTM. I'm not mentioning about eleveny - billion other restaurants. But this will give you something to start with when you go looking to replace the MerryRott burger you just puked up.

... PARTY



SUDS

Pizza, Beers, and Engineers! What more could you want in a pub! Every Friday 3-7 in the SF Atrium, as well as every day during Frosh week and Godiva week. Good prices. Good music. Great people. Always a happening party. A great place to warm-up before heading out for a Devo party or to the Brunny.

THE HANGER

Open every night but Sunday. Expensive drinks. Shitty Music. Lots of frat goofs with animals on their shirts. It's run by SAC. SAC Sux. 'Nuff said.

DEVO

Formally known as Devonshire House, Devo has developed a reputation for fun. About once a month there is a DEVO PARTY, usually on a Friday. Doors open at 8pm, things kick into high about 9:30 and don't slow down till 3. Party ends when no one's standing. Get to know someone who lives here because the parties are admittance by ticket only and the tickets have a habit of selling out an hour after going on sale. Drinks are cheap,

music is excellent, and the house is packed! Take a spin in **THE CHAIR**, if you dare! There also tend to be a fair number of instant parties popping up here fairly often. (See . . . **LIVE**)

ROSCOE'S

New College's pub. Every Thursday in Wetmore Hall. The beers kinda pricey, but the music's okay. Lots of Engineers live at New so you can party with them. Its pretty good. Besides, what else is there to do on a Thursday.

ST. MIKE'S PUB

Friday's at Brennen Hall have St. Mike's pubs. The music is a little on the dancy side, but generally okay. This is a popular venue with Engineers after Suds, when nothing else is going on. They often have some pretty good live bands playing here, especially at winterfest, which is the annual week long party in January put on by both St. Mike's and Vic together.

VIC PUB

The worst thing about Vic pubs is that they are full of Vic people. Vic people are a lot like Western people. These are the people who have rich parents who pay for their school, their car, their life... They are the type of shallow people for whom the biggest concern is their appearance and reputation rather than their substance. They all eat at Lime Rickey's and dream of growing up to be yuppies. Oh yeah, the pub. I never go there personally.

Now we step off campus and the first thing we notice is **HOLY SHIT! IS THIS TOWN EVER FUCKING EXPENSIVE!** If you find yourself paying \$3.50 a

beer, \$4.00 a highball, or \$2.50 a coke, **REMEMBER THE ADDRESS!** That's cheap in these parts, kiddies!

THE BRUNSWICK HOUSE

Ah, let me see. What to say about The Brunny. Wooden tables. Wooden Benches. Pitchers of cheap (\$12.00 with tip) beer, loud music, and Rockin' Irene on stage with some piano playing flunky. If everybody didn't go here, nobody would go here.

ALBERT'S HALL

Right above the Brunny. Good blues and R&B. A definite must if you're a fan.

ROCK 'N' ROLL HEAVEN

Toronto's premiere Hard Rock Hangout. Live bands, Thursday to Saturday. No cover, 8-9. Three dollar Thursdays feature up-and-coming new bands. Bigger acts on other days. Some of the people who have been bumped into inside include: Sebastian Bach, Richie Sambora, Jon Bon Jovi, Duff (from G'N'R), and Vince Niel.

THE GASWORKS

Always a live band. Never a cover. Louder, Harder, and a little less classy than Heaven, this hard rock bar also serves fairly cheap food. It is one of my favorites, but don't expect to here a lot of Depeche Mode here. This is all metal, boys and girls!

THE BIG BOP

Something for everybody's dancing tastes here. First floor is classic rock (The Doors, Zepp, Jimmy, Bob, AC/DC, etc.) spun by Avery, who's as entertaining as

the music. Second floor is whatever is the pop scene when you get there. (Its 'Dance' right now, but that could change in a week) Third floor is a sitting room with light background music where people can just sit and talk. In between the 1st and 2nd floors is the XXX room. Alternative/gothic/industrial music (Sisters, N-I-N, Skinny Puppy) pumps out of here every night but Thursday. Thursdays, there is no cover for ladies and male dancers entertain in the XXX room. Wednesdays are Depression Wednesdays: \$2.75 for cover and the same for beer and highballs. On any other night, drinks are kinda steep, and you should arrive early as the line is long after 9:00. You can get free passes around town to avoid the cover, otherwise they'll soak ya for a big \$9.00.

R.P.M.

The latest craze is always the craze at this huge dance club. The line ups are long, the cover is a good chunk of your tuition and so are the drinks. However, if you arrive early, there is a free buffet. Psychedelic Mondays, Disco Thursdays, and Club 102 (Hip Hop Dance) are some of the nightly features. Sundays are good when its Rock and Roll all night, courtesy of Joey Vendetta and Q-107.

THE LOOSE MOOSE

Great music, great food, dancing, an all around fantastic club. No cover either, but arrive before 8:30 or you'll be in line for two hours. They also serve an amazingly huge 8oz. cheeseburger.

ROTTERDAM

This place must be experienced. They serve several hundred kinds of beer from all over the world. A good game to play is to pick a 3-digit number out of your head,

then order the beer that corresponds. The crowd here varies, completely at random, from 20 - 200 people, and prices are good. They also have food earlier in the evening.

LEE'S PALACE

There is live music here every night, and mediocre food till 9 or 10. Prices are okay and cover varies depending on the band. Local acts will often hold album release parties here. Sunday nights feature a live jam which is usually very good.

THE DANCECAVE

Right above Lee's Palace. Put your black clothes and head out to dance. The music is more Alternative/Industrial/Punk and is nice and loud. Open Thursday to Saturday, cover is low, or admission is free if you paid entry to Lee's. Overall, a great place.

The clubs of Queen Street.

Queen Street is kinda the artisan/bohemian section of the city. Artists on the sidewalk sell jewelry, clothing, paintings, etc., as well as provide musical entertainment. The bad thing about Queen Street is the yuppies. Yuppies always want to be cool, so they go to cool places. They don't ever realize that their presence is what makes a place uncool. Their presence also has a way of raising prices, as you can soak a yuppie for about twice as much cash as a normal person. Most of the clubs here have a lot of new bands that are often quite good. (ie: You could have seen the Leslie Spit Trio perform here about four years before anyone in Chicoutimi saw them on MuchMusak.) The live music places are **The Rivoli**, **The Horseshoe**, **The Cameroon House**, and **The Bamboo**. (this last one being a mainly Reggae

place) There is also **X-Rays**, a bit more of a restaurant, and **The Black Bull**, the last bastion of bohemian civilization. Off topic, there are also about a gazillion little cafes, bookstores, clothing stores, and record shops; as well as the famous **Active Surplus**, the world's greatest electronic junk store.

GO-GO'S

One floor of rock, one floor of dance crap, one floor lounge, a patio in the summer. This place would be okay except for the people who go there.

THE WHEAT SHEAF

Toronto's oldest tavern. Established 1841. Cheap wings. Red Baron on Draft. Sports on the T.V. An excellent place to hang out and watch the game. I recommend you check it out, especially during hockey season.

Again, there is a whole whack of places that I'm not mentioning. But this list should be enough to get you started. Besides, it ain't like you got truckloads of free time to hang out in the club scene anyway.

... LIVE



If you are planning on living on your own, remember to factor in the cost and inconvenience of transit into your rent. A room at a house in high park for \$350 a month with utilities may sound good, but when you factor in \$60 a month for a transit pass, as well as the 20 - 30 minutes on the subway in each direction every day, it becomes a fair bit less appealing.

DEVO

Devonshire House. A tradition of excellence since 1907. Canada's oldest men's residence is the hottest place on campus for male engineers to place their pad. Aside from the active social scene, (see ... Party, above) the large number of senior students makes it an excellent place to acquire advice and problem sets. Despite its (deserved) reputation as a party palace, Devo has a large number of students with honours standing and has produced some very notable graduates with names like Robarts, McLaughlin, Hoskin ... There is no cafeteria, but there are kitchen facilities and you can get a meal plan at Hart House, or at the MerryRott Cafeteria at New College. Even if you don't get accepted at first, it is worth finding some temporary accommodation and keeping your name on the waiting list. Space usually opens up after Christmas, and once in, you can stay for four years, if you keep passing.

NEW COLLEGE

Girls on one side, guys on the other. Profacs occupy more than 50% of the space in here. Its pretty okay. Good social life while allowing for studying. Biggest drawback is that you have to purchase a full (19 meals per week) meal plan at the MerryRott cafeteria. A large number of these meals will never be eaten so your

money was wasted. The food is also shit. (See . . . Eat, above) Another drawback is that you usually can't stay beyond two years, although many don't want to anyway.

ST. MIKE'S - Men

ST. JOE'S - Women

LORETTO'S - Women

These residences are part of St. Michael's College. (Catholic) The food is usually okay, and the study atmosphere is great. (read: quiet) The big drawback is the social scene. Being catholic, they are run by priests and nuns, who can be a little uptight, especially at the female residences. Visitors are only allowed at certain hours, especially if they are of the opposite sex. There are only a few profac spaces anyways.

TARTU

If you haven't applied several months before reading this, don't bother. The waiting list for this place is very long. You can, however, apply to live there in second year. Students live in 'suites', with 6 students in a suite, sharing living room, kitchen, laundry, and bathroom facilities. You're basically living in an apartment with five roommates. Price is okay, and its right beside campus. (Bloor and Madison)

FRATHOUSES

These have their good and bad points. They can be quite cheap, if rundown, and the social life is wild. (This can be a bad point also) The big bad point is that they are filled with frat people. Frat people are inherently intolerable by definition. To be in a frat, you have to be arrogant and elitist. People who aren't in your frat aren't as good as you, and people who are

in no frat aren't any good at all. You can't go to frat parties unless you're in a frat. Yippee! Big loss. People with this attitude are like little kids who say, you can't play with us cause your not in our gang, and then find later that nobody really wants to play with them. My advice is steer clear of frats. If they interbreed long enough, maybe their species will die out.

HOME

The best point to home is the cost: Nada, Zip, Zero, NOT!, The big hollow egg! Free food, free rent. The bad point to home is that the only thing that isn't free is you. If you live away from home your mother will probably not even know (much less complain) about the fact that you spent the night passed out on the lawn on back campus after you left the Devo party. Parents tend to care if you crash in the door at four in the morning and spend the entire next day in bed looking like a truck ran over your tounge. Of course, you can always tell them you were at school all night working on a computer program. (Hell, half the time this will be the truth.)

Well, that ought to about do it. Hope this helps you out and provides a bit of guiding light to your life in first year. I figure I've been here long enough to learn most everything there is to know. (Except for the stuff I'm supposed to know to pass Diff-E-Q's) Any more questions, track me down in Flrosh week, I'm pretty easy to find. (I'm in the center of all the people singing)

Oh yeah, the +P means PEY. I recommend it highly, for the experience as well as the GOBS of money. Ciao dudes et dudettes. See you in SUDS!

STUDENT SERVICES

*Chicky O'Connell
X-MMS 9T4 (or so...)*

As you've already noticed, or will notice sooner than you wish, you pay for "incidental fees" with your tuition payment. These fees go for all sorts of things but some of it goes for Campus Services (you are paying for it whether you use it or not) so you might as well get out and use them. As a result, the 9T5 F!ROSH HANDBOOK presents to you a list and simple description of some of the services available to you as a student at the U of T, and the Faculty of Applied Science and Engineering. For more information on anything in here, or to find out about something that is not in here, your best bet is to call the Eng Soc (978-2917) for anything in engineering, or call SAC (978-4911) for university wide things.

First we will take a look at the services you can take advantage of as a first year Engineering Student.

For you, Pierrina and Dean Boocock are two of the most important people in your first year here. Pierrina is the lady in the First Year Office who will help you decide what course changes to make to your schedule to ease your way through the hard times in first year. Dean Boocock is in charge of first year studies. If any major problems plague you during the year, he is the man to see. He will try to help ease your troubles and make life a little easier.

The Student's Records Office is where you go to make final adjustments to your schedule, get transcripts, copies of exams and petitions. For those of you who do not know what a petition is, it is a document stating the reasons why you did poorly on

a test, exam or on your overall year. If you had emotional problems due to roommates or family problems or boyfriend/girlfriend problems during the year, these can also give cause to handing a petition in. It can help you stay in engineering so if you have a legitimate reason for doing not-so-hot, you should hand in the petition as soon as possible. It should state the problem (ex. illness) and how this effected your academic term. If you have more questions, contact Pierrina or your academic calendar.

One of the greatest services offered in Engineering is the ENGINEERING SOCIETY. Since part of your fees pay for it, become involved. There are many activities to choose from that will surely fulfill your need to have lots of fun and you will also get the chance to meet lots of great people. There is a whole section of this handbook dedicated entirely to the Eng Soc, so read it.

The last place that is designed to assist you, as an Engineering F!rosh, is the Engineering Store. Although the Koffler Centre has a book store, DON'T buy your books there in first year. The Engineering store has all the books you need for first year (and us second years have books that you can probably buy for a discount price.) Take one piece of advice: do NOT buy your books until you know from your prof what text books he will be using. The Engineering Store is located in the basement of the Sandford Fleming Building, near the atrium (the place where everyone eats, buys lunch or hangs out in when they have no where else to go.)

One building that you may visit frequently is the Koffler Centre, at the corner of St. George and College St. This building houses many facilities such as the

Health Centre, (you can go there when you're having health problems; they have many doctors and you can go there with or without an appointment) Career centre (where you can go to to find a part-time, full-time, or summer job), Housing Services (for those who are not in rez and want or need a place to stay to get away from their parents), the Book Store (where you can find all sorts of books at prices more expensive than the engineering store), the Counseling Services and in case you need to talk to speak to a shrink, many professionals are on hand to help you out at the psychiatric services office in the Koffler Centre. This is just naming a few of the stuff they have there!

The Athletic Centre, at the corner of Spadina and Harbord, is there for all your sports needs. First you must get your student card validated with a sticker (get the sticker at the AC) then you may partake in many activities such as running, swimming, tennis, basketball, or you can even learn how to dance.

Next, there is Hart House. It has athletic facilities (including a swimming pool, and shower in case you have to stay at school one night) as well as libraries, debating rooms, a dining hall and a pub (just to name a few). A few clubs on campus also meet there. Hart House really is a great place to go to and take advantage of. It is open from 7am to midnight every day, and there is a hall porter to tell you all about what Hart House has to offer so you don't act like a dumb F!rosh!

In front of Hart House, there is a little building with a dome on top. This is S.A.C., the Student Administrative Council. SAC has many services to provide, including an insurance plan where you can get reimbursed (in part) for prescription drugs. Go there with your receipt from the drug store, and ask one of

the people behind the desk what you should do with it. SAC has other services as well so go there and check it out.

If ever you're walking alone on campus at night, and you rather not be, fear not. A program by the name of WALK SAFER exists to send parolers to walk with you anywhere on campus. That is, you can be escorted by two parolers (at least one of whom is female) who are screened and hired by the University from any location on campus to another. If you live on campus you can be escorted right home, if you don't, they can walk you to the subway station. I would suggest you using WALK SAFER for at least F!rosh week, until you are familiarized with the campus, and taking it from there. Their number is 978-SAFE. You can call just before you need the escort, or you can call in advance. Their hours are:

Fall (starting Labour Day Weekend):
8pm - 1am.

Winter (starting the last Sunday in October): **7pm - 1am.**

Spring (starting the last Sunday in March): **8pm - 1am.**

Summer (starting the last Sunday in June): **9pm - 1am.**

If during the course of the year you run into some problems with the law, there exists a Legal Services Office. You can go there to seek advice on legal matters and they might even be able to represent you in court, if need be. So if you do get in trouble with the law, it's worth your while to go there and see what they have to offer. Their number is in the telephone directory in the back of this book.

There is an International Student's Centre on campus as well. It is located on St. George near College St. They offer advice and information on immigration laws and other things to know about living

in Canada. They have an International student advisor on hand to help you out. They also sponsor a number of social programs. If you are an international student, or even if you're not, go there and see what they have to offer.

One last item of interest is the Colleges Writing Labs and Math Tutoring Centre. If you need help, find it as soon as possible; it will help you to survive your first year in Engineering at the University of Toronto!

I hope that this little tour of the facilities on campus has helped you. (It better have! I spent hours writing it!)

Good Luck Next Year!

p.s. If you plan on spending any amount of time on campus you must use the lavatory facilities at one point in your life. If you are a male engineering student,

you have nothing to worry about; there are men's washrooms everywhere. One of the typical problems faced by women in engineering, however, is where to find a washroom within five minutes' walk of their next lecture. We have located them **all** (the ones in the engineering buildings):

Sandford Fleming: one on each floor. Look around you'll find them.

Wallberg: 109B-C, 252B, 053A

Roseburgh: 302

Engineering Annex: 102, 202A, 307

Mechanical: 132, 321

Haultain: 308-A

Galbraith: 209-210-A, 005A

Men can find their's on their own.

Giffels is a fully integrated, employee-owned consulting engineering and architectural firm in operation since 1949. With offices in Toronto, Ottawa and Cambridge, we provide architectural and engineering design as well as project and construction management services to both the public and private sectors, nationwide and internationally.

TODAY'S GRADUATES, TOMORROW'S INNOVATORS.

Get your career off to the right start with Giffels. Our progressive organization requires qualified professionals to become a part of our ongoing commitment to architectural and engineering excellence and our ambitious plans for the future.

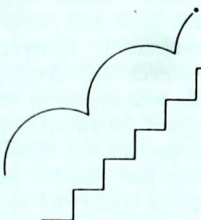
We provide a generous benefit and salary package, as well as the opportunity to work in a dynamic, growth-oriented environment. Make the move to Giffels, the perfect foundation for an architectural or engineering career in the 90's and beyond. For more information contact the **Manager, Human Resources**.

Giffels

Giffels Associates Limited, Consulting Engineers and Architects

30 International Boulevard, Toronto, Ontario M9W 5P3
(416) 675-5950 Fax: (416) 675-4620

LOOKING
TO
THE
FUTURE



If you want to meet the challenge of your potential – go through the door marked Bell. Join a company in which yesterday is old news and history is what you make it through the Bell discovery process. We have the challenging careers for qualified graduates in engineering, mathematics, computer sciences, business and arts programs. We want you to join your potential with ours. If you have what it takes to be part of the Bell Future, the training, salary and benefits are there for you. Talk to us.

BELL WILL BE ON CAMPUS FROM OCTOBER TO MID JANUARY. CONTACT YOUR CAMPUS PLACEMENT CENTRE FOR DETAILS.

Bell University & College Recruiting

FUTURE STOCK

Maybe it's time to take stock.
Question methods.

Re-examine our direction.
Because tomorrow will depend
on change.

OE joins with progressive companies
everywhere in seeking out
new technologies, new answers for
a better future.

Because keeping business healthy
means keeping the world healthy.

Advanced Business Technologies
Furnishings·Supplies·Knowledge



SECOND NATURE TO BUSINESS

The Wide World of PLACER DOME!



We need enthusiastic young professionals to contribute, develop their potential and achieve. In so doing you will help continue the growth that has made Placer Dome a leading international mining corporation.

D PLACER DOME INC.

The way to go - if you want to grow!

1600 - 1025 Dunsmuir Street, P.O. Box 49330, Bestall Postal Station,
Vancouver, British Columbia V7X 1P1. Telephone (604) 682-7082

THE GLORIOUS HISTORY OF YE MIGHTY SKULETM CANNON

Undoubtedly, there comes a time in every SkuleTM (wo)man's life when someone asks them about the famous SkuleTM Cannon. Probably the engineer cannot say much about the famous SkuleTM Cannon. Possibly the engineer wonders why there is a famous SkuleTM Cannon.

Therefore, the Engineering Society proudly presents a short and complete history of *Ye Olde SkuleTM 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?

Since the time of William the Conqueror, the title 'Atilliator' has been given to the man or woman 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 Atilliator was responsible for the number of guns used, their storing, their mounting and PROTECTION. It is, therefore, 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 'SkuleTM 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 since both cannons were supposed to fire.

In the early 30's, another smaller cannon would appear at SkuleTM festivities and also roar, and then mysteriously disappear. The authorities unsuccessfully attempted to track down this will-o-wisp. In 1935, during a slave auction the cannon was fired on the steps of the Old Red SkuleTM house with such force that windows were shattered. Once again it quickly and covertly 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 SkuleTM 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.

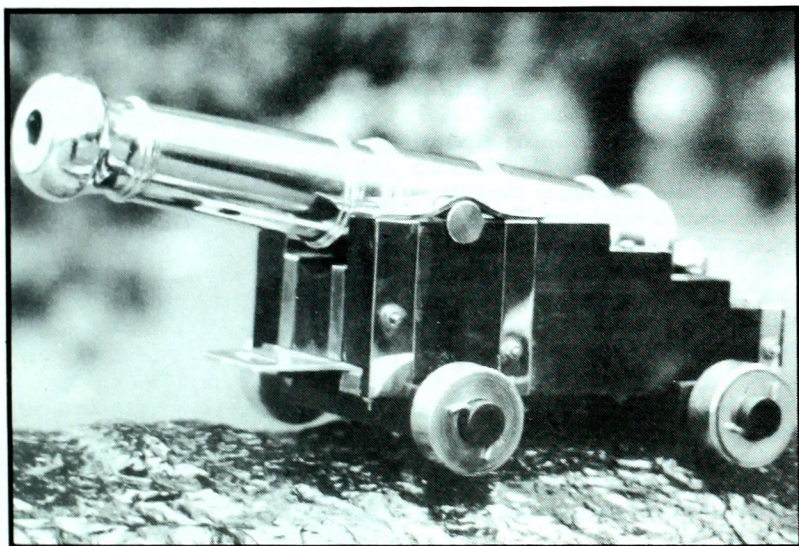
Naturally, the unimpeachable appearance and worth of the Cannon was irresistible temptation for anyone who gazed in its direction, but especially to the feeble-minded persons in the other faculties.

In 1941, UC stole it but it was instantly returned. In 1944, UC stole it again. 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 (Ye Olde Engineering Society) undertook a restrained campaign to regain possession. This ended up as a series of ads in the Artsman's Gazette (sometimes called the Varsity, often called something else.) Naturally, this campaign was a failure, as would be any appeal to an artsman's honour. On Feb. 13, 1945, UC Lit announced that the Cannon would be returned at the annual Arts Ball. The Toike in a fit of editorial passion called it a 'dastardly plot...a black infraction of civil property rights.' The Varsity, unbiased as usual, said it was in keeping with the Good Neighbour Policy. The hiding place, however, was discovered and the Cannon was forcibly retrieved by a group of intrepid engineers.

In 1949, 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 from, until, realizing that they were outnumbered, the Meds sent for reinforcements. The bomber pigeons finally made their mark on 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 with 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 'SkuleTM 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 Honourable Company Of Ye SkuleTM Cannoneers with the rank of Sergeant Artificer.

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

One fall night in 1959, artsies broke into the Engineering Stores in an attempt to steal the Cannon. Believing it was in a safe, the pushed the safe out a window and carried it away. However, their efforts were in vain, and only the leniency of the engineers kept them from enjoying an extended vacation in Kingston, as guests of the government.

But where the artsies 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 SkuleTM 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 SkuleTM men. After a long battle, the Meds overpowered the engineers and captured the Cannon.

We retaliated by kidnapping the Meds Society president. They retaliated by kidnapping an engineer. We retaliated by kidnapping a Med, and so on and so on. Finally, 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.

Sadly, in 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 Riggs who also oversaw its construction.

In honour of the many battles on which the Cannon accompanied us, the 1950 Cannon was immortalized by placing it in the cornerstone of the new Galbraith building. The new Cannon was formally fired for the first time on front campus in the autumn of 1959 and many engineers and 'others' turned out to witness the 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 displayed by



the engineers but managed no other protest than a few feeble boos.

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

On Sept. 23, 1964, the Cannon was fired in the Drill Hall at the engineering Flrosh once by cannoneer Doug Macdonald. Linda Evans, a nurse from Toronto General Hospital, was injured in the right arm by a piece of undisintegrated wadding from the Cannon muzzle. 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 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.

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. Just after New Year's, 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. The Cannon was fired for the first time in the lower gallery of Hart House at the Lady Godiva Memorial Bash.

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 once was happiness. But six brave engineers took it upon themselves to restore the pride of SkuleTM to its rightful owners and tracked it down, all the way to UC 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, SkuleTM had its Cannon back.

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 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 were chrome plated.

IV: THE MODERN ERA

With a spanking new Cannon, the engineers' spirits were lifted. But it was barely a year old when another attempt was made to snatch it, 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 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 SkuleTM's Centennial quickly approaching, the Cannoneer decided that a new Cannon would be an ideal way to celebrate. 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 marvelous 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 tranquillity since its creation, except at a Flrosh dance when it was stolen (by the LGMB) to scare the Cannoneer (who had carelessly left it unguarded in the band room).

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 chiselled into the bottom.

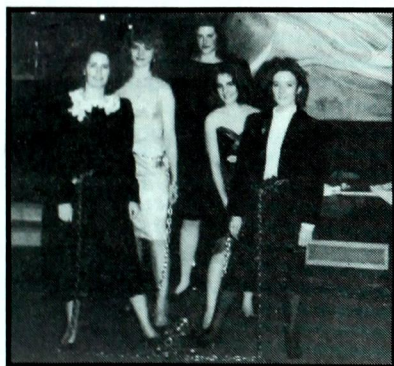
The Engineering Society passed a motion of censure against Gilmour and the entire deed was exposed in The Toike. Furthermore, at Vanneste's suggestion, the Cannon Guard wore black hard hats to show the engineers' displeasure.

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

V: EVE OF THE 21ST CENTURY

We now enter the final decade of the 20th century. The last one hundred years have been good to us. 1989 marked the 60th anniversary of the engineers' association with the Cannon (in one form or another). We have come from using waterpipes and toilet paper to a finely machined barrel with a highly developed loading procedure. In 1989, Ken DeJong, the Cannoneer, designed a new uniform for the Cannon Guard, with the much appreciated support(\$\$\$) of Assistant Dean, Malcolm McGrath and the Alumni. Dressed in black coveralls and black hardhats, the Cannoneer and his/her guards were ready to face a new era, defending the mighty SkuleTM Cannon. For a new era it truly must be when the SAC President breaks into the

Engineering Society offices in search of the Cannon. Yes, it's true. The sad and sordid truth is that sweet baby-faced Charles (alias Chuckles) Blattberg tried, to vain, to abduct the Cannon. One dark and stormy night when all the engineers were safely tucked in their beds (during reading week '90), a sly and slimy figure crept (shouldn't that be crept? - Ed) into the Eng. Soc. and with a drill, YES A DRILL, tried to break into a storage room where he thought the Cannoneer would store our treasure. He did not succeed for he left the mutilated door unopened. In his farewell speech, the two-faced evildoer boasted of his deed. Retaliation is in the works. Since the incident, Charles has been called "pretty dumb" and a "big dummy" by outraged engineers.



The highlight of the 1989-90 season was the shoot at Grad Ball. A new world record was set as seven fire trucks responded to the boom at the Royal York. Awesome dudes!

During the 1990-91 Skule™ year, the Cannon was put into the care of Sarah Ronchi, Skule™'s first female Cannoneer. Her reign was not free of evil plots to relieve Skule™ of the powerful prize. For the second year in a row, SAC's

hunger for power was expressed in a terrible plan to steal our holy symbol. Tim Costigan (the SAC Prez) led a conspiracy to steal the Cannon during the homecoming parade. Due to a leak in the conspiracy (Tim's boasting), the guard learned of the plot long before homecoming. To deceive the enemy, the guarded went undercover leaving the black coveralls and hardhats behind; the Cannon was fired as scheduled and disappeared before the thieving group found out what happened.

VI: CARE OF THE CANNON

When Skule™'s first Cannon was created, a Cannoneer was appointed in keeping with the age old tradition. The Cannoneer would be responsible for the selection of the Cannon Guard, to do the actual firing and the maintenance and care of the Cannon. In addition to this, he/she has the sole knowledge of the location of the Cannon when it is not in use.

As a matter of protocol, the Cannon is fired by a cigarette butt after a number of convenient verses of Godiva's Hymn. For the firing, black powder is used and baking soda is used as wadding. 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 number four with roaming Guards for crowd control.

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.

THE L.G.M.B.

Alex "Gilligan" Chapman
LGMB Leedur

Announcing the . . .

Triple Prize-Winning, Quintuple Record Setting, CN Tower / Roy Thompson Hall / Eaton Centre / Scarborough RT / Skydome / Subway Opening - and Subway Closing - Lady Godiva Memorial Bnad, Marching Gregorian Chant Society and White Noise Brigade!!



Now that you're a part of the best engineering school on the planet, you have a unique opportunity to join the funnest bunch of reprobates to ever create cacaphonic flatulence. The LGMB (or Bnad for short) plays at football games, hockey games, parades, charity functions, SKULE™ events, parties, weddings (really!), ribbon-cuttings, and anything else we get "officially uninvited" to. Bnad events often involve consumption of alcohol (which is provided FREE), sometimes involve the use of advanced LGMB *stealth* techniques for evading the members of the university law enforcement community (the mice), and *always* involve beaucoup de fun.

YOU DON'T HAVE TO KNOW A THING ABOUT MUSIC TO JOIN THE BNAD.

Here are some reasons why people join the bnad:

1. I really like the idea of free booze, and if I have to bang on a bedpan with a drumstick to get it, no problem!!

- If you can't play an instrument, worry NOT! We have a fascinating assortment of trinkets, doohickeys and whatsits (eg. a firebell, a pink flamingo, a beer stein) that provide the necessary background of White Noise.

2. I played trumpet in high school, but I don't want to have to spend hours practicing.

- The LGMB has a maximum of two rehearsals per year - one at Hart House Farm in the early fall and one during that infamous second week back to Skule™ in January when engineers let loose for seven days of solid partying!!

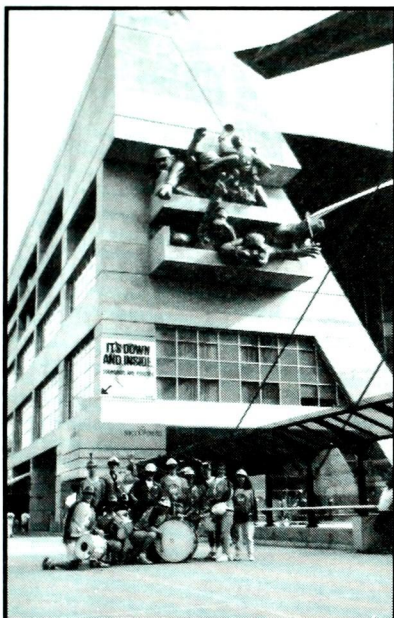
3. I got stuck with the goddamned bassoon and I've waited five years to get my hands on a saxophone.

- You're in luck! We have no rules about who plays what, with the possible exception of the Big Bass Drum. We even have a genuine sousaphone, although I wouldn't recommend it to anyone with a height under 5'4" or a BAC over .08%.

To sum up, as a BNAD member you can be as good or bad as you want. Currently, we have a wide range of ability . . . all the way from Jim Duffield, who can play a Shuffle Demons hook so fast it makes your head spin, down to Justin Bowler who . . . is a knob.

So now you've decided to join. In order to avoid administrative difficulties and possible legal repercussions, we do have one fairly rigid entrance requirement:

Position any two fingers of your right hand over the radial artery of your left wrist. If your feel a regular pulsing sensation at a rate of between twenty and two hundred beats per minute, then **CONGRATULATIONS, YOU'RE IN!!** At your earliest convenience, sign up on the sheet posted outside the Bnad Room in the Eng Soc (SF B670) or ask for me (Leedur), Alan (Jr. Leedur) or Joe (Drum Major). And prepare yourself for the time of your life!!



DA' BFC

R*lw*b N*ts*j

BFC Press Secretary

First of all, let's get one thing straight. 'Dere is no such thing as da' BFC. 'Dere never has been, and 'dere never will be.

'Dere' also are not no such ~~to~~ things as Capers. Capers do not involve such activities as hammering, sawing, nailing, painting, borrowing, and running from da' meeses.



Mario's Bakery



Bon appétit!

We Deliver

Capers also never involve da consumption of large numbers of beers, and other speeruts.

So if you think you are not the type for these kinds of activities. Den do not sign da list dat will no be in Eng Soc in Orientation week.

CLASS ELECTIONS

Now that you've been reading through this book, you're probably wondering about how all these wonderful and amazing clubs, committees, and events are organized and managed. The Engineering Society is responsible for most of them, with the course clubs (Mech, Elec, etc.) providing some others, as well as the smokers.

The Eng Soc and the course clubs are similar to your high school student council, but are also quite a bit different. For starters, they aren't the domain of the ruling clique of popular, preppy goofs. They are for everyone to get involved in. They also hold a lot of responsibility. The Eng Soc is responsible for the distribution of the half a million dollars collected through the volunteer levy fund. This money is used to equip labs and provide equipment for use by the various departments.

Sound like a big responsibility? Well it is. Unfortunately, many people take the job lightly and use it as a resume stuffer. They aren't willing to put in the commitment to attend meetings and properly represent their class. We are all engineers and we all have the same intense course load, so being a rep is not overly taxing on your time. But you are there to represent the society. If you think something is wrong in engineering, or have ideas as to how things could be improved, run for class rep. Oh, yeah, don't let me scare you off if I sound too serious. It's also a lot of fun and is a great way to meet people.

↖ This part was written by Justin

This part was written by Selda ↗

As you've probably already noticed, every Flrosh is put into a Flrosh group. (As in Fl group A, B, Eng. Sci I, etc.) During the second or third week of September, each one of these classes will have elections for two people to represent them on the Engineering Society and Faculty Council. (One of each)

The main jobs of these extraordinary people is:

- (a) To go to their respective meetings and represent their class. (about once a month)
- (b) Check their mailboxes regularly for any messages (yes, this is one of the many good things about being a class rep; you get a personalized, new, totally awesome mailbox in the Eng. Soc.)
- (c) Tell their class about things that are going on.

Did I mention you have fun?

Just for doing that you can get the title of 'Class Rep' so if you think you can handle the fun, make sure you go to all of your class for the first few weeks. Come prepared with an election platform and do stress analysis on it to make sure it doesn't collapse. (It doesn't attract many votes.) Good luck, and may the force be with you!

Once you are elected, you become a member of the elite few regarded as the first year committee. You then elect a supreme being as your chair. Collectively, these humanoids concern themselves primarily with the amount of fun that's to be had by the rest of the Flrosh.

Last year's bunch did a super job (9T4 rules) and with you folks in this year's committee, this year will be just as fun for all of us, so . . . RUN FOR CLASS REP!

KNOW YOUR HARDHAT

It has been said that the brain of the newly arrived Flrosh is one of the most beautiful things in the world. Pristine and unsullied by thought, the Flrosh 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, meds, and suchlike inferior beings.

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

Within the hierarchy of Skuletm, 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 Skuletm.

Dark Blue: The mystical 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.

Silver: Possibly the most coveted color of all. This wholly fictitious and rarely seen hardhat strikes fear into the hearts of mice (kampus kops), administrators, and artsies. It is bestowed amidst great ceremony and secrecy to the wisest, strongest and most intelligent member of Skuletm, the supreme commander of da' BFC -- DA' CHIEF.

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

Gold: The wearer of this hat is concerned mainly with sweat. This color designates the president of the Engineering Athletic Association.

Orange: The orange hardhat symbolizes those elected few - The Committee Chairs. These leaders are responsible for the various activities and events which characters our beloved Skuletm.

Green: The colours of the scribes of Skuletm. These scholars are charged with the faithful, knowledgeable and true recording of the history of the Engineering Society. These hats are worn by the executives of the Toike Oike, The Cannon, Skuletmbook, the Handbook, and the Darkroom Managers.

Fluorescent Orange: These noticeable hats designate the bards of Skuletm. Only the most talented and responsible members of Skuletm are eligible for this glorious distinction. These hats are for the Leedurs and the Drum Major of the prestigious Lady Godiva Memorial Band.

Beige: Deeply concerned over the Skuletm man's/woman's health and mental welfare, the beige hardhat is worn by those fun-loving souls, the SUDS Pub Managers.

Light Blue: Worn by the people who keep us amused and entertained this colour, can be seen on the heads of the actors and executive of SkuletmNite, The musical Comedy Revue.

Yellow: The colour worn by all other Skuletmmen and Skuletmwomen. While not a badge of office, it does signify the Skuletmman's superiority over all other life forms. Ranging from the amoeba all the way down to the tiniest artsie.

Many feeble minded artsies and silly profacs will want to take your most prized possession away from you, so stay on your toes at all times and guard your hard hat well. If your hard hat comes under attack by one of these inferior beings, don't try to fight them off single handedly; call for

help from a fellow engineer. If you hear a call of help from an engineer, quickly rush to their help, because hard hats must not fall into the hands of such thieves.

When you Flrosh get your hard hats, it is pure and virginal. However, you must remember that an undecorated hard hat is the sign of a Flrosh destined to flunk out and become an artsie, or worse. Helpful hints: You will decorate your hard hat when you get home on Orientation Day. If you lack imagination, put on your year and course, if you really expect to graduate. Electrical tape is easy to use, but you can stick on anything that will stay. Glue on beer labels and/or pop and beer caps. Headlights, propellers, horns. Epoxy works well depending on what you want it to stick to.

Treat your hard hat with kindness and love, and it will return your affection.

HIERARCHY OF SKULEtm

Sooner or later, you may find yourself thrust into the battle--defending the honour of Skuletm. In a situation where other faculties and universities are present, feeble-minded artsies and their ilk often attempt to sap some of Skuletm's great strength by means of attack. So that you will be prepared, this handbook presents a listing of the order of importance of Skuletm artifacts.

If THE MIGHTY SKULETM CANNON is present, it must be protected at all costs. If the Skuletm banger is not present, then the Engineering flag comes first. The bnad also needs protection, for it is indeed difficult to beat off (?) attackers with a \$200 (±\$200) horn in one's hands. The rest of the Hierarchy is self-

explanatory. Once item 1-5 are safe and secure, head for the nearest sanctuary or tavern. You have your orders ... Good luck, and may the forks bewitch you.

The Skuletm Hierarchy (in case of emergency)

1. THE MIGHTY SKULETM CANNON
2. The Engineering Flag
3. The Bnad
4. Non-Existent BFC Hardhats
5. Your Hardhat
6. You

CAMPUS COPS

Sooner or later (probably sooner), you will find yourself face to face one of U of T's finest, the Campus Cop; or more affectionately, the Mickey Mouse.

The Mouse mentality is quite easy to comprehend, which is hardly surprising, and there are a number of basic tricks to be used when dealing with them.

(1) They don't REALLY want to know. The typical Mouse is usually terrified that something is going to happen during his shift, so if he can look the other way he will (or perhaps walk the other way). If you find yourself in such a situation, let him, a cornered Mouse may become dangerous.

(2) Act innocent. Smiling and offering a cheery "Hi!" tends to scare them away.

(3) Give him your name. Mice are supposed to ask for a student card but will usually settle for a verbal reply. "Joe Skuletm" is one of their favourites, but don't be afraid to use your real name. If they actually break down to file a complaint, a simple name such as John Smith eventually becomes Muhammad

LeBlanc on a report which ends up lost in the depths of the administration anyway.

(4) Tell them what you've done. As was mentioned before, Mice are afraid something will happen on their shift, so be imaginative. Tell them you've blown up the Varsity Building or inverted the Burton Tower. They will be in too much of a hurry to vanish to find out what you've really done.

(5) As a last resort give them a donut. Mice want to be like real police and having a donut in their hand gives them a sense of power. However, be aware! Donuts are extremely addictive to Mice and the more you give them, the more the return. They'll come back again, and again, and again, and again...

(6) Be nice to your Mice. They can't help being Mice, they need the job. They can get really nasty at times, but remember, the Metros do have full authority over the campus and all it takes is one call. But there is no real need to worry since we wouldn't do anything illegal anyway...



A DAY IN THE LIFE OF A MOUSE

By: Elliot Weisberg
Ind Eng 9T3

It is Monday. There are three engineering students painting the SAC dome yellow. I get out of my cruiser, draw my gun, and

SNAP

ooooohh, what a great dream that was. Uh- oh, it's 10 o'clock and I'm late for my shift. I put on my uniform, and hurry down to the station. I arrive just in time for my shift, and find a note on my desk about what happened on last night's shift. It appears there was a scavenger hunt last night and the U.C. tower has gone missing. Hmmmm, seems like the sergeant caught the hoodlums and got their names: Hugh G. Rection and Ben Dover. Ha! No fooling our Sarge. Just wait till we phone those boys' parents, they'll be in big trouble then.

It's 12 o'clock, as I eat my 7th donut and drink my 10th coffee, I reflect upon the busy day I had so far: A call from SAC claiming one of their doors is missing, and a false fire alarm at 4th floor, New College. Whew, all this work will drive me to early retirement! Well, time for a well deserved lunch break! Oh, if only I was a Metro Cop, I'd save fortunes on lunch!

2 o'clock, time for my rounds. I get in my cruiser, and see that the drive and reverse gears have been switched on the transmission again. Hmmmm, 4th time in 7 days that has happened. Must be a coincidence. Oh well, might as well go get a coffee and donut in Med Sci.

6 o'clock, during my rounds, I spot 3 people in blue hard hats running with a



ladder towards the Sanford Fleming building. I never knew construction workers worked this late in the day. Good to see them hustle, though. Well, what better time for a donut and coffee. Over to Country Style...

8 o'clock, I see her, a Metro Cop. She has a gun. Oh, that beautiful shiny object. So small. So delicate, yet so powerful. If only, if only...

10:30 in the pm, I'm finishing my rounds when I spot 12 people on the roof of the VARSITY building. Wait, they are taking down the sign and erecting a new one, a TOIKE OIKE sign. My instincts tell me these are Engineering students up to something. I get out of my car, whoops, I get back into it and put it in park first, then I get out of it. I say, "Let me see some ID." 10 of them immediately run away, but I catch 2 of them. I get their names off them: Hugh G. Rection and Ben Dover. Hmmmm, same guys who stole the U.C. Tower. I let them go and laugh to myself. Boy, are their parents ever gonna give it to them when they find out about this!

ENGLISH PROFICIENCY TEST

This test, (The E.P.T) is for guys/gals who were not fortunate enough to get a great mark (at least an 80%) in O.A.C. English last year. (The fortunate guys/gals shall write the other test, the Technical Proficiency Test which is explained on the next page. But I must warn you not to miss the test or else! Both tests take place on Wednesday September 4th at 9:00AM sharp. Don't be late. Well, now that all the important things have been said, whoever is writing the T.A.T. need not read on! (Read the next article instead.)

The E.P.T. is set up in the form of an essay question. You will have a choice of several topics to write on. A big hint! Most of the topics given are about current events, therefore read up on your favourite newspaper before you come in and write

the test. Other common topics are about you and the engineering profession. Why you chose it, what you think it is, what you'll do when you become an engineer, and et cetera.

Oh yes, the test is written within one hour (yes, one hour to write your best essay), so you should not waste your time developing your beautifully planned introductory paragraph, while the supporting and closing paragraphs have yet to be written. The purpose of this test is to see how well you can communicate effectively (in writing) in a limited time.

Try to write a gramatically correct essay with no spelling mistakes. Also remember to have coherent paragraphs because that's very important in effective writing. Try your best on this test, but if you don't do well its not the end of the world. You don't get an actual mark on this test, but rather get passed or failed. If you pass, life goes on; and if you fail the E.P.T. the Faculty will ask you to take an English course (APS181 - read the description in the Faculty Calendar) in the fall term as your humanity. And then life goes on. You have to pass this course but I don't know what will happen if you fail this one too. It's so easy I haven't met anyone who's failed it yet! There are people who actually want to take the course becuase they think they'll do better in it than they would do in the other courses; but you have to take one of those other courses in the Spring anyway, so don't go failing the test on purpose.

Well, the best of luck to all of you writing the E.P.T. and remember, it's the first of many tests you will take in this fond faculty!



Congradulations to all students from Lever, Manufacturers of the Sunlight Range of Cleaning Products.

Lever Brothers Limited
1 Sunlight Park Road
Toronto, Ontario
Canada M4M 1B6
Telephone (416) 461-9432
Fax (416) 461-9647

TECHNICAL PROFICIENCY TEST

On the morning of Wednesday, September 4th, those students not writing the English Proficiency Test (EPT) are required to participate in the Technical Proficiency Test (TPT).

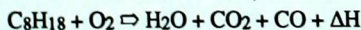
A non-academic body of the University uses the TPT results to determine the level of mathematical and scientific skill of new students arriving at the University. Note, however, that the TPT is NOT an entrance exam. The results are not used as acceptance criteria, nor are they used for or against the student in future course selection or petition.

The TPT results are used as part of the University's high school ranking system. Thus the results, along with the student's name and high school of origin, are retained for no less than three years, and no more than five.

Here are some examples of questions from previous TPT exams:

1985: Consider a 1 m long spring of Hookean constant 1 N/m suspended from a rigid ceiling. A lab assistant attaches a 1 kg mass to the free end of the spring, and holds the mass so that the spring does not extend. At $t=0$ s, the assistant releases the mass. Find the maximum velocity of the mass, and the time at which this occurs.

1986: Given the exothermic hydrocarbon reaction for octane combustion:



Assuming the product is 20% CO_2 by mass, balance the equation. Use the accompanying periodic table to

calculate the total heat released (enthalpy). Explain various ways by which a cleaner reaction could be achieved. (ie: reduce the amount of CO produced.) Explain the effects of each of these alterations on the amount of excess heat released.

1987: Given the equation

$$f(x) = (x-1)^3$$

find the area of the triangle whose sides are formed by the lines normal to $f(x)$ at $x=-1$, $x=1$, and $x=2$.

1988: Explain Kepler's Third Law. Does this law apply to electron motion in the Rutherford/Bohr atomic model?

Students will have one hour to complete the test which will consist of three or four questions. The exact location of the TPT will be announced later in the summer.

If you have any questions or concerns about the TPT, do not hesitate to contact the Engineering Society at 978-2817. Please do not contact the Faculty Office, as they are not responsible for the administration of the TPT.

J.M. Hall Associates Inc.

SUITE 211
35 KING STREET
WESTON, ONTARIO
M9N 3R8

J.M. Hall, M.A.Sc., M.B.A., P. Eng.

TELEPHONE Bus (416) 246-1048
Res (416) 247-4074

PROFESSIONAL EXPERIENCE YEAR

Dalita Berejikan
PEY Co-ordinator

.....Today's PEY Students

.....Tomorrow's Engineering Leaders!!!

Put your education to work....

Apply your first 2 years of academic studies to the world of industry in order to give you a focus for your remaining 2 years at school....

The Professional Experience Year (PEY), a non-compulsory, co-operative education program, offers excellent industrial experience to engineering students during a one-time only 16-month work period. This Program is an entirely new concept of the traditionally-known co-operative education and is available to both students of the Faculty of Applied Science and Engineering and the Faculty of Arts and Science who have successfully completed at least their 2nd year of studies and wish to obtain industrial experience before continuing their academic studies. The successful students are placed in industry in May, immediately on completion of their 2nd year and work till September of the following year.

In the 10 years since it was introduced, PEY has proven to be an extremely positive experience for those students who have participated in the program. The 16-month commitment period offers the student both an introduction to the workings of the real world of engineering, as well as the opportunity to gain invaluable experience in related areas of business such as the development of interpersonal, and oral and written communication skills, report writing, seminar presentations, and even

supervision of students who work the traditional, short 4-month work periods. Once the initial training period is completed, the student becomes a member of the real work team and generally performs in the role of a junior engineer.

Following are some quotes from returning PEY students:

"The PEY program has allowed me to compete with engineering co-op students from other schools and given me a definite advantage over students who did not participate in the program for job opportunities when I graduate."

"It was a resounding success for myself... it added a dimension to my overall engineering education which could not have been obtained in the lecture hall or the laboratory."

"The PEY program was an excellent experience.... In my opinion the Program should be mandatory for all engineering students."

The first year of the Program saw a placement of 8 students. This year, despite the severe recession problem, 90 students, representative of each engineering discipline, were placed among 22 companies. Together with the 105 students who will complete their PEY work term at the end of August, 1991, this makes a total of 195 students who are presently out in industry.

Some of the participating companies are IBM, GM, Atomic Energy of Canada Limited, Ontario Hydro, Bell Northern Research and Du Pont of Canada.

A PEY Students Network was established in 1988 comprising of all PEY Alumni, current PEY students in industry

and prospective PEY candidates. In its capacity as a support group, the Network will provide a readily accessible computer account to all PEY members, organize events such as information seminars and workshops, promote PEY throughout U of T and provide a forum for discussion for all returning PEY Alumni.

Brochures are available on request.

For more information, contact

Dalita Berejikian

Program Co-ordinator

Room B740

Sandford Fleming Building

(opposite the cafeteria)

Phone #978-3132.

TOTAL FIRE PROTECTION

24 HOUR EMERGENCY SERVICE

Fire Alarm,
Sprinklers,
Extinguishers,
Hoses, Emergency
Lighting, Halon/CO₂,
Kitchen Hoods

EDWARDS
SERVICE DIVISION
SPECIALIST SERVICE FOR
COMMERCIAL BUILDINGS



4000 SHEPPARD AVENUE EAST, SUITE 100, SCARBOROUGH, ONTARIO M1S 1T6
TEL: (416) 291-1111 FAX: (416) 291-1112

B-A Consulting Group Ltd. Transportation Planners and Engineers

- Traffic Engineering
- Transportation Planning
- Parking Facilities Design
- Functional Design
- Transit Facilities
- Pedestrian Circulation
- Construction Supervision

111 Avenue Road, Suite 604, Toronto, Ontario M5R 3J8
(416) 961-7110 FAX: (416) 961-9807



Designing The Future

At Stone & Webster Canada Limited, we know the importance of having a vision of the future. Our multidisciplinary engineering - procurement - construction firm was founded more than a century ago by engineers who had the insight to eagerly welcome the "new" electric age. Then as now, the future was waiting for organizations with the vision to apply new technologies to the engineering problems of the day.

Today, Canada's diverse power, process, environmental, and transportation leaders have sought us out to provide solutions to their engineering needs. We provide them with innovative technologies, advanced computer-aided systems and outstanding personnel. At the core of our operations are engineers with technical prowess, energy, and the ability to combine original thinking with our extensive experience.

If you would like information on designing *your* future with us, please write:
Reid Willet at:

STONE & WEBSTER CANADA LIMITED

Yonge - Eglinton Centre
2300 Yonge Street
Toronto, Ontario M4P 2W6



A GUIDED TOUR OF THE ENG SOC OFFICES

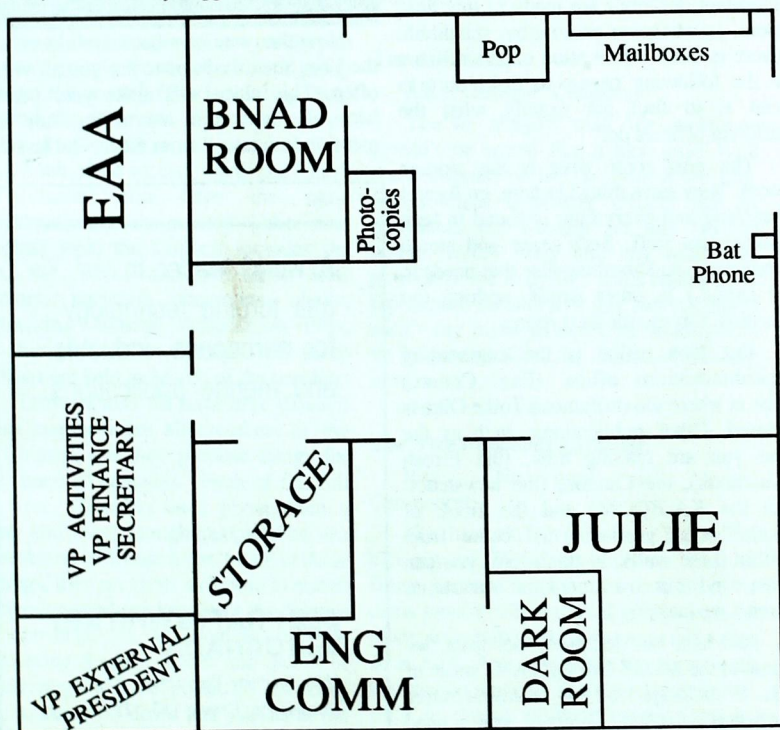
Welcome to the Engineering Society (better known as the Eng. Soc.; pronounced "N-Sock".) Well you're not exactly here yet, but will be as soon as I tell you how to find it.

First, go into the Sandford Fleming basement. Next look for the big yellow doors; they are almost always open. Now we really wish to welcome you!

Directly upon entering you will find yourself in the middle of a little common room; it is actually bigger than what the

map shows and has all the comforts of home and even a pop machine and photocopier (you don't usually have those at home, but you get the picture). All the comfy furniture are there for your personal use. There is even a free bat-phone (see, just like home!)

Directly ahead of you, there is a door which has a bulletin board on it. This is the room of the great Lady Godiva Memorial Band. For those of you with or without musical talent, it is a great way to



Not To Scale

get involved. All Bnad events will be posted on the door for all these who care to join in the fun.

The next door you will encounter going counterclockwise, is the EAA room. All team sports are organised through this office. There is also an EAA info. bulletin board on the wall next to this office

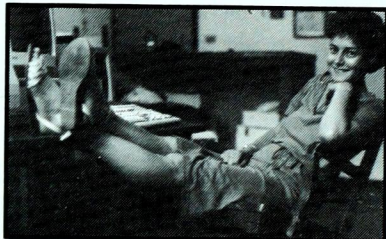
Next, we find the officers' room. Or should that be the officers' office? Any way, in here lives Andrew, and Michelle, and our as yet undeclared V.P. Finance. Within this office is a smaller office. This one belongs to Gilligan (Alex) the Prez, and Brian our. Many important and not so important decisions are made in this little room, so whenever passing by, shhhhhhh. There is more information on the officers in the following pages, so make sure to read it to find out exactly what the different officers do.

The next room over is the storage room. They store things in here, go figure! Anything and everything is found in here (Shinerama stuff, Suds tapes and stereo equipment, and anything else that needs to be stored.) In other words, nothing too exciting. Off too the next room.

The next office is the engineering Communications office. (Eng. Comm.) This is where the (in)famous Toike Oike is housed. Other publications, such as the one you are reading now, (the Frosh Handbook), the Cannon, (the newsletter, not the KA-BOOM) and the Book of Skule™ (i.e. yearbook) all come from within these walls. In this room, you can even find our own personal darkroom. (aren't we lucky!)

And last, but definately not least, we come to the MOST IMPORTANT room of all. It belongs to our Administrative Assistant, Julie. When you need something or want to talk to someone

important, ask Julie. She knows and does a lot more than we all know. She is always willing to help. (She works from 8:30 to 4:30 and sometimes beyond) This office also contains a laser printer and computer which you may use. (\$0.25 a page, \$1.00 per 15 minutes.) Sign up on the door.



Now that you have been introduced to the Eng. Soc., we hope to see you all very often. This place will make your years here all the more interesting, not to mention fun; take it from those who know.

A world leader in
gas turbine technology
for aerospace, industrial
and marine applications.



**PRATT & WHITNEY
CANADA**

1801 Courtney Park Drive
Mississauga, Ontario L5T 1J3

THE ENG SOC

The U of T Engineering Society is the oldest formal engineering organization in Canada, and that's something we're very proud of. If you want to be involved in anything the Eng. Soc. provides, and you do, it helps to know a bit about the structure of the Society and about the people who run the place. So now I am going to attempt to explain it for you as simple as possible. Actually the structure of the society is so simple that I couldn't make it complicated even if I tried!

The main governing body of the Eng. Soc. is the Council. You as an undergraduate engineering student are a member of the society and as a result, you elect two people from your Flrosh group to sit on the council (one is the Eng. Soc. rep, and the other one represents you on the Faculty Council as well as on the Eng. Soc.). Each of the second, third, and fourth year classes also have the same representation on the council. Other than the class reps, the Council includes the Prez, the VP's, the Secretary, SAC directors, standing committee chairs, Engineering Athletic Association Prez, and club chairs. The elections for these positions are held in March of the previous year. There is also an Executive Council whose members are all members of the full Council, but they propose things for the council to consider. Each of the full and Exec. Councils meet about once a month and even though people who are not members of Council can't vote at these meetings, they are most welcome to attend the meetings and participate in the debates and conversations as members of the Engineering Society. Times and places of the meetings will be posted in the Eng. Soc., so come on down and join us at the meetings. Oh I almost forgot, every year,

usually in October, the Eng. Soc. holds it's Annual General Meeting. At this meeting every major decision of the year is made and everybody is a voting member of this meeting. This year's AGM agenda includes the revision of the Eng. Soc.'s Constitution as well as other important stuff. So make a point of coming out and putting your in two cents worth. You also get to exercise your democratic rights!

This year's officers in order of them representing the Society to the outside world are:

The President:

Alex "Gilligan" Chapman.

You've already read his welcome. Doesn't he sound like a nice guy? Well that's because he is! The Prez is the Eng. Soc.'s Chief Executive Officer and he represents the Society on any official matter. Every thing and any thing that goes on in the Eng. Soc. is his business, so feel free to contact him any time of day. I didn't say night so don't go waking him up in the middle of the night and blaming it on me.

The Vice President External:

Brian "No cool nick name" Camponotti.

You haven't met Brian yet but he's a nice guy too. You don't really see much of Brian because as the title indicates, he deals mostly with external groups such as other universities, governments and other such stuff. Any thing that has to do with the outside world is Brian's responsibility. He's in charge of the Communications, Professional Development and High

School Liaison committees, among other things. If you have any comment about anything external, go talk to Brian.

The Vice President Finance:

We used to have one but we don't any more.

Right now this job is being done by the rest of the officers. A bi-election will be held in September. This person is in charge of all monies that go through the Eng. Soc. They make up the budget, and propose it to the council for approval or disapproval. Other than that I'm not sure what they do, but that seems about right.

The Vice President Activities:

Andrew Steeper.

Andrew is the guy who is organizing this wonderful orientation you're going to have, so you'll meet him at orientation. His job is to make sure everybody is having fun while they are at Skuletm. The Blue and Gold and Social committees, and Suds (the Engineering Pub) are all his responsibility. If you want to talk about the fun aspects of Skuletm, Andrew's your man.

The Secretary:

Michelle Radford.

Michelle keeps records among other things. I don't mean the kind with the music on it, I mean sort of like transactions. Technically she knows about everything that goes on, and she really does! She is in charge of the electronic sign board you'll see in the atrium when you get here. She also keeps the attendance and minutes at the meetings. If there's something you'd like to know

about the society, as in how the Eng. Soc. works, Michelle's the gal you'd talk to.

OK. That's the officers of the Eng. Soc. Now I'll tell you about the standing Committee chairs. All of these committees have a little write up in this handbook, so read on to find out about what exactly it is that they do. Every Committee is open to anyone who wishes to join them, and joining them is a great way to get involved. To join, simply seek out the committee chair, or leave a message in the committee's mailbox in the Eng. Soc. At the beginning of the year there will also be a day where all of the committee chairs among other people will be in the Atrium so you can sign up if you so wish (and you do!)

Communications Committee Chair:

Rajko Kriminac

First Year Committee Chair:

This person hasn't been decided yet since the first years (that's you) aren't here yet. This person represents all of the class reps of the first year classes, and therefore represents all first year students on the Executive Council.

Blue and Gold Committee Chair:

David Vendramini

Social Committee Chair:

Chris Hiscock (that is his real name)

High School Liaison Committee Chair:

Selda Sharifi-Rad

Professional Development Committee Chair:

Gina Mollicone

Employment Committee Chair:

Nicole Shinya

Forth Year Committee Chair:

Katherine Zalewski

Executive Faculty Council**Representative:**

George Hollett

This is not a standing committee but rather a committee whose members are the Faculty Council Representatives.

Executive SAC Representative:

Jo-Anne Mosselson

This committee's members are your SAC directors. These are the people who represent you at the Students Administrative Council. (It's for all of U of T, not just engineering.)

That's it for the standing committees. I'll go on to the affiliates now. These are organizations that are affiliated with the Engineering Society. Every one is a member of the EAA, but only those belonging to that particular department are members of the course clubs. All of these also have write ups in this handbook so read on to find out more about them. They all also have mailboxes in the Eng. Soc. in case you want to contact anyone.

**Engineering Athletic Association
President:**

Sylvia Boller

Civil Club Co-Chairs:

Doug O'Mally and Kathleen Gilbert

**Geological and Mineral Engineering
Club Chair:**

Bogdan Damjanovic

Mechanical Club Chair:

Bill Woodside

Industrial Club Co-Chairs:

Mehdi Nezarati and Mary Lou Marzura

Engineering Science Club Chair:

Karen Medworth

Chemical Club Chair:

Domenic Sinopoli

Electrical Club Chair:

Gino Grano

MMS Club Chair:

Ivan Beg

Every body I have named so far is consistent of the Executive Council. There are, however, other people that you should know about who are not on the Executive Council. These include:

CESA President:

Eugenia Yau

Suds Managers:

Rich Petrusev and Christine Gallagher

Women's Committee Chair:

Deborah Berger

Recycling Committee Chair:

George Vujvonic

SAC Reps:

Jo-Anne Mosselson (exec.), Selda Sharifi-Rad, Brian Scholtz and Stefan Malvagenam.

Toike Oike Editur-In-Chief:

Ivana Strgacic

LGMB Leedurs

Senior - Alex Chapman

Junior - Alan Teare

Drum Major - Joe Aquinaldo

There are a bunch of other people as well, (Class reps, SkuletmNite people, Ministers, etc.) but there is not enough room here to mention everyone. Ask a senior who to talk to if you want to get involved in something specific.

MURPHY'S LAWS

MURPHY'S LAW - If anything can go wrong, it will.

COROLLARY - Whenever it seems that nothing worse can possibly happen, it probably will.

STATEMENT - Murphy was an optimist.



THEOREMS TO LIVE BY

- 1) Nothing is ever as simple as it originally appears.
- 2) Everything costs more than you can afford.
- 3) If you fool around with something long enough, it will eventually break.
- 4) If you try to please everyone, someone isn't going to like it.
- 5) If something is close to working ideally, never readjust it.
- 6) If you explain something so clearly that no one could possibly misunderstand it, someone will.
- 7) It is much easier to get into something than it is to get out of it.
- 8) There's always something else that must be done before whatever you want to do.
- 9) Things always go from bad to worse before getting any better.
- 10) Nature always sides with the hidden flaw.
- 11) If everything appears to be going well, you've overlooked something.
- 12) Mother nature is a bitch.

OTHER THEOREMS, CONSTANTS AND PRINCIPLES

- 1) Patrick's Theorem - If the experiment works, you must be using the wrong equipment.
- 2) Skinner's Constant - That quantity which, when multiplied by, divided by, added to, or subtracted from the answer you got gives you the correct answer; also known as Finnegan's Finagling Factor.
- 3) Homer's Five - Thumb Postulate - Experience varies directly with the equipment ruined.
- 4) Flafle's Law of 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.
- 5) Allen's Axiom - When all else fails, read the instructions.
- 6) 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.

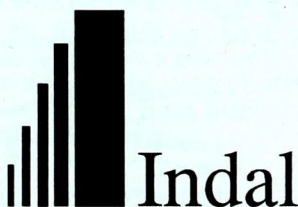


TRENCH ELECTRIC

71 Maybrook Drive
Scarborough, Ontario,
Canada M1V 2L5

- 7) 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.
- 8) Gumperson's Law - The probability of a given event occurring is inversely proportional to its desirability.
- 9) The Ordering Principle - Those supplies necessary for yesterday's experiment must be ordered no later than tomorrow noon.
- 10) The Futility Factor - No experiment is ever a complete failure - it can always serve as a bad example.
- 11) Potisepp Postulate - If at first you don't succeed, lower your standards.
- 12) The Ultimate Principle - By definition, when you are investigating the unknown, you do not know what you will find.

Support for this
publication has
been provided by:



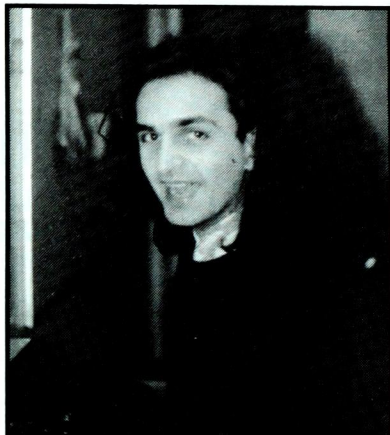
Indal Limited
4000 Weston Road
Weston, Ontario

ENGINEERING COMMUNICATIONS

Rajko Krminac
Communications Chair

Ever since the first cavemen and cavewomen linked simple grunts and burps into a rudimentary form of language Man and WoMan have been searching for more intricate and effective ways of communicating. The most powerful of these is the written word. (Typed word nowadays - Editor.) By expressing his or her thoughts through the written word, Man or WoMan can have an eternal record of their genius which an infinite number of souls can share, thus Man or WoMan can obtain a form of immortality.

Unfortunately most Engineers have difficulty grasping anything beyond those simple grunts and burps. For those privileged few of you who have managed



to claw your way to a reasonable level on the evolutionary scale, there are several outlets available to express your creativity. (If reasonable level is what I've got, it's a pretty low level. Get involved even if your level is simply spelling "grunts and burps" right! - Editor)

The Eng Soc has several publications which it produces. These include the world famous Toike Oike, our humor publication, **The Cannon**, our information paper not the one that makes the Bang, **The Book of Skule™**, our yearbook, and the **F!rosh Handbook**, yes the one you are reading right now. To offer such high quality publications we need a dedicated staff. If you are interested in helping out as a writer, typist, photographer or anything else come into the Eng Comm office and sign up. Our office equipped with editing equipment, (an exacto knife) writing equipment, (a pen) and a darkroom is located right next to Julie's office. Drop in anytime and put your grunting and burping to good use.

Over

65

**Years of Engineering
 Excellence**

Sponsors of the Henry G. Acres Medal for Excellence in Engineering

- Power and Energy
- Water Resources
- Transportation
- Industry
- Environmental and Waste Management



Acres International Limited

480 University Avenue • Toronto, Canada M5G 1V2
 Telephone: 416 595 2000 • Facsimile: 416 595 2004

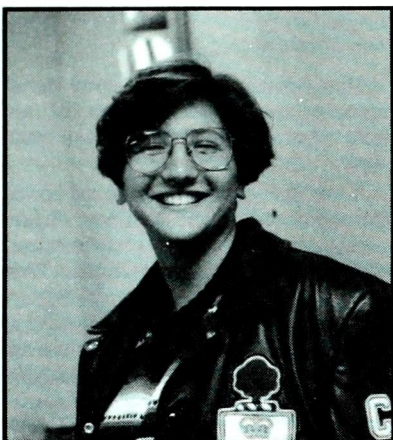
St. John's • Halifax • Niagara Falls • Burlington • Winnipeg • Calgary • Vancouver

THE TOIKE OIKE

*Ivana Strgacic
Editor-In-Chief*

Welcome one and all F!rosh to our beloved Skuletm. You might be wondering as to the nature of this thing that we call the Toike Oike. Well, it is your official voice. Not the thing that comes out of your mouth, but the stuff that comes out of your heads and down through your finger tips, and out on to a piece of paper (preferably on disc) that will contain the many funny and interesting articles that other people can enjoy, not just engineers, but to any one around the campus who so desires to pick up a copy (price: NOT!), even an artsie.

This is a formal invitation to you all out there to come and join the inner workings of this highly prestigious (you didn't hear anything otherwise to contradict this) official publication of the Engineering Society of Toronto. Sometime in the week following your Orientation, we will be holding a make-up (a.k.a. creative idea networking, brainstorming session, food free-for-all, general chaos.) So now that you know about it, you have to attend. If you feel



slightly intimidated about working on this very noble publication, don't be, because I lied. It's just little old me, who ever I get to torture as my assistant editor and the three darkroom trolls. Plus all the people who are supposed to be slaving over the many articles I was supposed to get this summer and didn't. (guilt! guilt!) So come one and all, and drag along an upperclassman, there'll be plenty of beer and pizza, but you gotta come first.

P.S. If you help out, you'll get your name in print. It's a great feeling seeing your name in print. Look I'll show you. **Ivana Strgacic. Ivana Strgacic. Ivana Strgacic.** See I feel great.



*Dis Corner of da page has
not been stolen by da BFC.*

*Do not Come out to da first
Toike Make Up.*

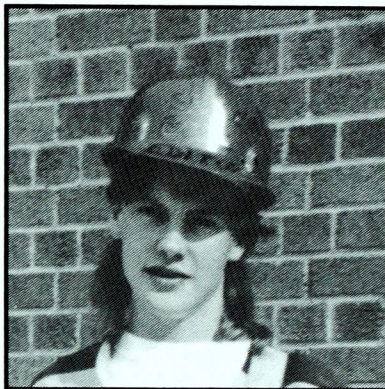
*We will not be recruiting some
dumb F!roshes for a ultra top
secret type mission*

THE BOOK OF SKULE™

Chris Barnes
Skule™ Book Editor

The Amazing Skule™ Book is a hardcover chronological record of an entire year of engineering events and people.

It may only cost you a mere ten bucks (unless you get it FREE with your Flosh kit), but in a few years it will be a priceless treasure chest of fond memories. "Ah those were the days!" you can proudly say to your kids, if only to distract them for a second as you skip past the embarrassing picture of yourself in a compromising position or state. "See this picture of Joe E. Skule™; he was in my class; I always told him he'd make it big." Truth is that you hated his guts because he was the keenest geek of the week and you used to shoot blow darts at him. But you can still smile



and laugh at all the dumb things people scribbled in your book and waddle through the feeling of waves of nostalgia (or is it nausea?).

Unleash your wild imagination and write something exotic (but not too Artsy) for the Book of Skule™ 9T2. Enjoy helping create the ultimate yearbook. Besides, it looks good on a resume. Okay just come for the beer!...and the pizza. But you better bring the beer!...and the pizza...okay just bring yourself...your mind? Nah, leave it home! Actually bring it, I could use another, just don't turn into a rambling idiot ... like me ... it's those oats ... see I should have ordered pizza! Don't matter! Skule™ Rules!



An equal opportunity employer.

Sunoco Inc.,
P.O. Box 307,
Sarnia, Ontario
N7T 7J3

Sunoco Inc.,
36 York Mills Road,
North York, Ontario
M2P 2C5



MCW CONSULTANTS LTD.
CONSULTING PROFESSIONAL ENGINEERS

156 FRONT ST. W., STE. 800, TORONTO, ONTARIO M5J 2L8, Phone (416) 596-2920
400-102 DONALD STREET, MISSISSAUGA, ONTARIO L4W 5G6, Phone (905) 276-1541
150 WEST GEORGIA ST., SUITE 1000, CHICAGO, ILL. 60602, Phone (312) 329-1901
TORONTO FAX (416) 596-3384

THE CANNON

Jason P. Pilon MMS 9T3(?)
Cannon Editor 91/92

A Brief History of *The Cannon*

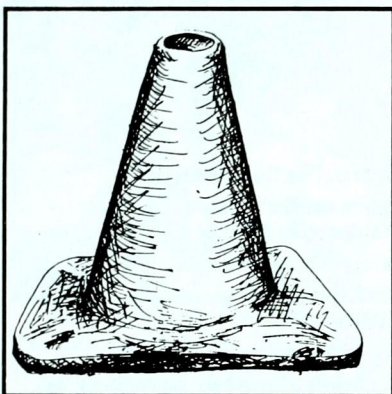
Once upon a time there was a newspaper...

Not just any newspaper, but a serious (!?!) paper written, edited and published by ye mighty Engineering Society. This paper was affectionately known as...*The Cannon* (not the one that goes KABOOM, F!rosh!)

Alas, this wonderful paper suffered a cruel and inhumane fate some two years ago, thanks in no small part to the notorious Toike Oike. *The Cannon*, once The Official Paper of the University of Toronto Engineering Society, was transformed into *The Cannon*, The Official Newsletter of the University of Toronto Engineering Society. The poor Cannon, once the best damn paper on campus (if not in the city), was reduced to a two-sided 8.5" x 11" piece of recyclable paper.

More recent issues of *The Cannon* have been - shall I say - elusive. Any f!rosh who can produce an issue from the 1990-91 year will win a special gift (value to be determined later). However, this lull in the publication history has (hopefully) come to an end. Read on.

The mandate of *The Cannon* is to announce any activities of interest to Engineering Society members. It will be published bi-weekly starting the first week



of the year, and will include announcements of things-to-do (and all that other stuff) that will be happening in the next two weeks. Contributions will be accepted from almost any source, especially from people or groups in the Engineering Society who want to announce something, but don't know how to go about it. Any contributions should be submitted to *The Cannon's* mailbox in the EngSoc, no later than the Wednesday before each issue's publication date. Contributions should include the date, time and location of your event.

The Cannon will be distributed to all classes via the class mailboxes in the EngSoc (eg. MMS 2, F!rosh A, etc.), and many will be left in convenient locations throughout the Engineering buildings. If you can't find one, go to EngSoc and ask around...there will be no more reliable calendar of events than *The Cannon!!!*

THE

CANNON

THE ENGINEERING ATHLETIC ASSOCIATION

Sylvia Boller
EAA President

Sports. The final frontier.

**These are the voyages of the
Engineering Athletic Association.**

It's continuing mission...

**To Explore strange new games and new
athletes,**

To reek out new locker rooms,

**To boldly play where no engineer has
played before...**



This organization is SPORTS, SPORTS, and more SPORTS. If you have never played a sport in your life, if you are a talented athlete, or if you are somewhere in between, this association is one you need to find out about.

We, a group of about 25 men and women, organize all engineering sports events and intramural teams. There are sports such as Ice Hockey, Football, Rugby, Basketball, Volleyball, and more for Men, Women, and even CO-ED!! There are also individual and doubles sports such as Tennis, Squash, and Skiing. Wait there's more! One day tournaments, Awards, and a Banquet! I bet you are thinking this is something you don't want to miss. Ask any Engineering Jock or Jockette and they will tell you that you are right.

At the end of the year we hold the S-DANCE for all athletic participants. It includes dinner, an awards ceremony, a dance, and plenty of Beverages. The price is free plus GST. Awards are given out for participation, championships and Most Valuable Players. There are also plenty of other special awards. It's a real blast; and what engineer can resist a party? (BEER!)

Within the first few weeks of school we will be holding a SPORTS PUB at Suds (Fridays at 3 pm). At this time, anybody and everybody can come and sign up for the sport or sports they are interested in. We also may have representatives of our committee come to your classes with a sign up sheet. So keep an eye out for our posters and check the EAA board in Eng. Soc. for all the action. If you have any questions or want to get involved you can call the EAA office at 978-5377.

SOCIAL COMMITTEE

*David Vendramini
Social Committee Chairgumby
Geo(rules) 9T3*

Well! What do we have here but a whole new batch of F!rosh and a whole new year ahead. A whole class of students who will very soon learn that the sum of all knowledge obtained in high school is equal to zero. But you F!rosh are also about to find out that life in Engineering is not all masochistic. It can also be fun.

That's where the Social Committee comes in. We in the social committee are hell-bent on making sure that everyone has the opportunity to have fun, and we need as many of you psychotic, rowdy, maniacal F!rosh as we can get to help us fulfill our duty/destiny.



One of the major events organized by the Social Committee is Oktoberfest in October (isn't that redundant?), when three busfuls of courageous and adventurous engineers risk their lives to travel to Kitchener to worship the great gods of Barley and Hops. This trip provides a good opportunity to meet your upperclass(wo)men, and other F!rosh as well.



The second major fun filled event of the year is in January. The Cannonball (i.e. Engineering Semi-formal) is a great chance for everybody to dress up and feign importance (that means fake it, to all you F!rosh). It also gives you a great opportunity to hit on that cute girl/guy you've had your eye on while not dressed like a slob.

Aside from Cannonball and Oktoberfest, the Social Committee plans themes for SUDS, brings in bands, and does whatever our little minds can think of.

If you have any ability to have fun, regardless of how remote or twisted, and like being social, PLEASE HELP! If you are seriously interested in helping engineers to have fun leave a name and number in the Social committee mailbox in Eng. Soc. and we'll do that lunch thing. *See you at Oktoberfest!*

CRA

Consulting Engineers

CONESTOGA-ROVERS & ASSOCIATES LIMITED

651 Colby Drive,
Waterloo, Ontario, Canada
N2V 1C2

BLUE & GOLD COMMITTEE

*Christopher Hiscock
Blue and Gold Chairperson*

G'day Frosh and welcome to the University of Toronto. I must say that you are now part of a great tradition; a student at the most incredible, bodaciously fun place in the whole of U of T: SKULE™. Part of the reason why my time served in Engineering has been so enjoyable has been because of the Blue and Gold Committee.

The first majorly official and top; secret act of the committee is to construct a float for U of T homecoming. (I AM AN ENGINEER. I NEED NOT KNOW HOW TO SPELL GOODLY) The whole idea is for you, the next generation of Engineers, to attend the very enriching, BEVERAge drinking, pizza eating, and sleep depriving construction of the float.

The second official act of the, sorry, majorly official act of the committee is Godiva Week. This is a week of most

triumphant good times. This week is packed with fun-filled events for all: the Calculus race(s), snow baseball, the Frosh hardhat contest, a party here and there, and not to be forgotten, and the one and only chariot race. The whole week will come to a conclusion with Godiva's Wake at the Hangar.

This ain't all of course. There will also be various other contests, events, and just plain, good ol' times to be had by all. The only way you can stop going crazy in Engineering is if you get involved in Skule™ activities. I hope to see you ALL at these events.

PS: Yes, you are allowed to laugh at my last name.

PPS: Any questions, queries, or traditional bomb threats may be forwarded to my mailbox in the Engineering Society Office.



Lock Up Your Liquor and Hide Your Artsie Ass

Here Come The Engineers

And They Ain't Stoppin' for Shit

EVERY YEAR IN THE SECOND WEEK OF JANUARY,
THE ENGINEERS DESCEND UPON CAMPUS TO
blow off all the PRESSURE ACCUMULATED
DURING THEIR DECEMBER EXAMS. THIS ANNUAL
PURGING OF THE SOUL (AND OTHER BODILY ORGANS)

Calculus Race is known as . . . Freestyle Marine
Biology Competition

**GODIVA
WEEK**

CHARIOT
RACES

SUDS Daily

SNOW BASEBALL

T-Square Mini Putt

WINE & CHEESE

Frosh Hard Hat
Decorating Contest

GODIVA'S
WAKE

Watch For It! . . . January 13 - 17, 1992

SKULE™ STAGE BAND

Alice Tseng
Skule™ Stage Band Secretary

NO, this is not the LGMB!! The Skule™ Stage Band is a jazz ensemble made up of mostly engineering students who wish to keep up their musical skills, and also take a break from the grueling workload, meet people from other years, and have a great time in the process.

The band plays at several different functions throughout the year including U

of T day, the Cannonball, noon hour gigs in the Atrium, and jazz nights at Hart House.

Rehearsals take place every Wednesday evening in room 202 of the Galbraith Building. Notices for auditions are usually posted in mid-September, so keep an eye out if you are interested in joining.



CORROSION SERVICE COMPANY LIMITED
369 RIMROCK ROAD
DOWNSVIEW, ONTARIO M3J 3G2



SINCLAIR

Sinclair Radio Laboratories Limited

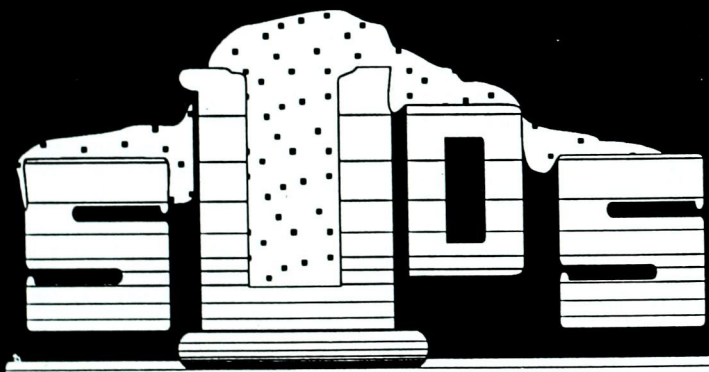
85 Mary St., Aurora, Ont L4G 3G9
Tel: 727-0165 Fax: 727-0861

DANCING **PIZZA** **MUSIC** **FUN** **DRINK**
THE DATING GAME **LIVE BANDS**
FRIENDS **PARTYING** **FOOD**
DJ **KAROAKE**

EVERY FRIDAY
 3pm TILL 7pm
 SANDFORD FLEMING
 CAFETERIA

AT THE END OF A LONG
 WEEK, COME BLOW OFF
 STEAM THE RIGHT WAY!

**PARTY HERE
 FIRST**



The Engineering Pub

THE STORY OF THE IRON RING

*Daniel Leblanc, MECH 9T3
Patrick Lee MECH 9T4*

This is the time of year when all the talk from the graduating class is about the Iron Ring. Behind the Iron Ring is The Ritual of the Calling of the Engineer, a ceremony which dates back to 1925.

The ritual offers an opportunity to those in the engineering profession, or who shortly hope to be, to obligate themselves to the high standards of integrity which the profession has established. It is not mandatory.

Only those wearing, or about to receive, an Iron Ring are allowed to attend the ceremony; details of the agenda are not disclosed to anyone else.

The Ring symbolizes the pride which engineers have in their profession while simultaneously reminding them of their humility. The ceremony is not something done in order to obtain the ring, but rather the Ring serves to remind the engineer and others of the engineer's obligation to abide by a high standard of professional conduct. It symbolizes the engineer's intention to observe professional ethics, and is specifically worn on the baby finger of the working hand.

The idea for this unique Canadian rite originated from Professor H.E.T. Haultain, an 1889 graduate (the first Student Engineering Society President). The ritual was written by Rudyard Kipling at the request of Haultain. Behind this ritual is the simple idea of directing the young engineer toward a consciousness of the profession and its significance, and indicating to the older engineer the responsibilities in receiving, welcoming

and supporting the young engineers when they are ready to enter their profession.

Seven Toronto Alumni (actually ex-Presidents of the Engineering Institute) were the original Seven Wardens who administered the Ritual.

The Ritual has since expanded to all engineering faculties across Canada. It is copyrighted in Canada and the United States. Only an engineer educated in Canada has the right to receive the Iron Ring.

At the University of Toronto, many students feel there exists a certain historic link between the collapse of the Quebec Bridge in 1907 which killed eighty-two people, and the Iron Ring. This can be attributed to the fact that John Galbraith, the original Dean of SkuleTM, headed the commission investigating the disaster. Galbraith found that the professional knowledge was not adequate. And years later, Professor Haultain established the "Ritual" in order to bind all members of the engineering profession across Canada into a fellowship devoted to professionalism, responsibility and ethical conduct.

As engineers, we must strive for excellence on behalf of the society in which we live. We have an obligation to our society, our profession, our peers and ourselves to practise engineering and live according to the highest and most strict ideals. The responsibility with which we are entrusted is inestimable. Peoples' lives depend upon us, and we must always remember that our mistakes or slight oversights can cause a lot of damage or worse, kill people.

FOURTH YEAR COMMITTEE

Editor's note: The fourth Year Committee Chair, this year is Katherine Zelewski. However, she was in Sarnia for the summer and I couldn't get a hold of her to ask her for this article. Yes I have heard of a telephone but she was never home when I called. So, I will now pretty much copy the article from last year's handbook, which was written by Lee Anne Jones, (who is now graduated, since she was in fourth year last year. Aren't I a genius for figuring that out?)

Right now you're thinking to yourself, "Fourth Year Committee? But I'm a Flrosh and I don't know if I'm going to make it through today let alone enough years to become a Fourth Year!!" When you reach Fourth Year (and I know you will!) you'll be glad someone thought about it. As a result, part of your Flrosh Kit money goes towards the most amazing celebration for an engineer, THE GRAD BALL. The Fourth Year Committee also organizes for your grad photos so you can prove to your friends and relatives that you actually did graduate and helps plan for the Iron Ring Ceremony. (Read the

next article to find out what that's all about.)

While the committee centers mainly on Fourth Year events, it is also responsible for a number of Eng Soc Awards presented every year. There is one award that you, as a Flrosh are eligible for. There is also a newly established award for a professor that you think did an excellent job, so go ahead and nominate your best prof for the award. *(P.M.'s note: Not necessarily your favorite prof, but your best. You'll figure out what I mean soon enough.)*

Can you join this committee if you're not in Fourth Year? Most definitely! Your help in the awards selection would be much appreciated and there are always loads of things to do for Grad Ball. The experience will help when it comes time to plan your own Grad Ball.

It's really important to become involved in Skule™. For a lot of us, it's the only thing that keeps us sane (or at least semisane)! So come down to Eng Soc and be a part of The Fourth Year Committee. Hope to see you there!

FACULTY COUNCIL

Welcome to Skule™ graduating class of 9T5! Hope you've all had a great summer, and hope you'll enjoy this year's Orientation Week. Orientation is fun for everybody, and is definitely a week is definitely a week you will never forget!

Briefly, our job on the Academic Affairs Committee is to act as liaison between the faculty and the student council. This committee is responsible for considering new academic policies and monitoring matters of academic

importance on your behalf. If you have any problems or questions you would like clarified throughout the year, don't be shy, ask me or anyone else on council. We are here to help you.

Anyways, I hope you have a great year and try to get out and participate in as many University and Engineering Society activities as you can. There's something for everyone.

Remember, Skule™ is what YOU make it.

PROFESSIONAL DEVELOPMENT COMMITTEE

Editor's Note: I had a horrible time trying to get in touch with this year's Prof. Dev. Chair, Gina. As a result, I, will write this article that should have been written by Gina. I have never been on this committee, so I am about to rely heavily on last year's write up. Actually there is very little chance of me changing last year's write up since Brian did a pretty good job last year. Not that it couldn't have been done better by Gina, but she just wasn't around (she was in Windsor to be exact) If you have any questions about anything or are interested in joining, leave her a note in her mailbox in the Eng. Soc.

Orientation is coming up for yet another year, and once these times of fun, hangovers, beer drinking and singing begin to go away, we must take a serious look at the reasons why we chose the engineering profession, since it definitely wasn't for the fun of learning. There is (believe it or not) a serious side to Skule™.

The Professional Development Committee (Prof Dev) is responsible for

bringing out the serious side of the engineering profession and show the undergraduates what it really means to wear that iron ring. The Prof Dev Committee was created to help you successfully prepare for your career upon graduation from the University of Toronto, Faculty of Applied Science and Engineering.

Through such events as Life After Skule™: The Sequel and various noon time informal meetings, professional engineers from every field will be invited back to the University to share their experiences with you. These meetings will outline the various roles of engineers in the small government and in small and large businesses alike. These talks will cover areas including managing, marketing, consulting, research and development. Awareness of organizations such as The Association of Professional Engineers of Ontario (APEO) will be stressed.

At one of the noon time meetings graduate students will be invited to speak to the undergraduates about why they chose to prolong the agony of Skule™ studies, and what rewards they hope to receive.

The Prof Dev Committee strongly urges you to attend these meetings since they are organized for your benefit. The speakers were chosen on the basis that boring speakers are boring (first year lecture experience - you'll see), and to impress upon you the exciting and challenging life that you can look forward to being a professional engineer.



Gore & Storrie Limited

WASTEWATER • WATER • SOLID & HAZARDOUS WASTES • DRAINAGE
WATER RESOURCES • ENERGY RECOVERY
LABORATORY SERVICES • ANALYTICAL & PROCESS R & D

256 Consumers Road, North York, Ontario M2J 5P8
Telephone (416) 499-8200 Fax (416) 499-4857

Toronto Ottawa Barrie
Cambridge Mississauga
Kingston

ONTARIO ENGINEERING DESIGN COMPETITION

Editor's note: This is another article that was supposed to have been written by Gina, the Prof Dev Chair. Again I, with a lot of help from last year's handbook, will type it. Enjoy.

The Ontario Engineering Design Competition (OEDC) is an opportunity for engineering students to use skills other than the ability to solve a calculus problem. The OEDC (in its thirteenth year) allows engineering students to use their creative as well as analytical skills to solve problems that exist in our society. This competition is open to ALL Ontario engineering students and sets out to judge the design skills of the participants. The competition is not only design based, but is broken up into four separate categories, I think. I don't think it has changed since last year, but I could be wrong. Check with Gina if interested in entering.

i) **The Entrepreneurial Competition** - the object of this category is to develop a feasible and profitable product to either replace an item that is presently imported or to provide a product that is not presently on the market.

ii) **The Corporate Competition** - problems are submitted by industry, and competitors in this category must solve the problem while working under the constraints of an organization.

iii) **Communication** - entrants are to choose and research a technical problem that has become a social issue and develop and deliver a presentation to describe, analyze and evaluate proposed solutions to the general public. (Explain a technical



problem in terms an artsy would understand).

iv) **Editorial Communications** - the objective is to formulate and present a policy which will advance or improve upon the status quo of engineering and its benefits to Canadians.

The winners in each category receive a \$1000 prize as well as the recognition of winning a prestigious competition. Also, if you have developed a marketable product, chances are you will be approached by industry representatives who might be interested in purchasing the rights to your product (as Tom Vu would say: You can make a lot of money!)

Information will be circulating throughout the school year and the competition itself will be held in March 1992. If you have any questions about the competition, or are uncertain about it, or whether you should enter leave your name and number in Gina's Prof Dev mailbox in the Eng Soc.

EMPLOYMENT LIAISON

*Terry Johnston
Engineering Liaison Coordinator*

One of the things you'll want to think about as you begin your Skuletm career is what you're going to do when you complete your degree. The Engineering Liaison Office was created to improve employment opportunities for U of T engineers.

The Engineering Liaison Office began in 1985 when a successful referendum was held to collect a fee to establish an office at the Career Centre to market U of T engineers to prospective employers on a full-time basis. The Office has been committed, over the years, to giving U of T engineers a competitive edge over engineers from other universities. Specifically, we have worked to increase the number of permanent and summer employment opportunities available to U of T engineering students. To make engineers aware of available employment opportunities, we organize Engineering Career Day (**September 25th this year**) which sees between thirty and fifty companies coming to U of T loaded with information about engineering employment opportunities. We also put out a newsletter (watch for it) and articles (in the Toike) full of information about engineering employment. Finally, we work closely with the Student Employment Committee Chair (Nicole Shinya for 91/92) to make engineering students fully aware of employment opportunities.

Now that you know what Engineering Liaison does for you, here are some things which you can do for yourself. First, get involved in extracurricular activities (you will develop new skills, have fun and, employers will be impressed). Second,

find engineering related summer jobs (you will gain valuable experience and it will benefit your resume). Third, start your job search early (for summer positions start looking around Thanksgiving, for permanent positions start looking NOW). Finally, use the services of the Career Centre. The current economic climate is making the job search a much more challenging process so take some time to familiarize yourself with what we have to offer. Explore the Career Centre's seminars, panels, library resources, Extern Programme, and employment services. We're just across the street, so drop in for a visit. We'll make sure that you put your best foot forward when you begin your job search.

Have a great year.

THE CANADIAN COUNCIL OF PROFESSIONAL ENGINEERS (CCPE)

401-116 Albert Street
Ottawa, Ontario
K1P 5G3
Telephone: (613) 232-2474
Fax: (613) 230-5759



TREMCO

TREMCO LTD. • TREMCO LTÉE.

220 WICKSTEED AVENUE,
TORONTO, ONTARIO
M4H 1G7 • 416/421-3300
FAX: 416/467-2448

SKULE™ NITE 9T2

Ed Bonner
Skule™Nite 9T2 Director

WHAT is Skule™Nite?

Skule™Nite is singing.

Skule™Nite is dancing.

Skule™Nite is acting.

Skule™Nite is a seventy year old Engineering Society tradition.

Skule™Nite is THE Musical-Comedy Revue at the U of T.

Skule™Nite is students and alumni from all disciplines at the U of T putting on the most entertaining and professional show on campus.

Skule™Nite is meeting fun and interesting people.

Skule™Nite is some of the best parties ever!

Skule™Nite is FUN!!!



Writer's Meetings will happen every Wednesday night at 6:30 p.m. in GB202, and they began in June.

WHO can get involved in Skule™Nite 9T2?

ANYBODY!!! Yes - even you!

WHERE is Skule™Nite held?

Skule™Nite is held at Hart House Theatre, one of the most important stages in Canadian Theatre History.

WHEN will Skule™Nite 9T2 run?

Skule™Nite 9T2 will run from Wednesday March 11th to Saturday March 14th, 1992.

Auditions will be held in the middle of November:

Tuesday November 12th, 1991

Wednesday November 13th, 1991

Monday November 18th, 1991

Thursday November 21st, 1991

HOW can I get involved in Skule™Nite 9T2?

You can play in the Band.

You can write sketches.

You can perform in the show.

You can build the sets.

You can join the Stage or Technical Crews.

You can help with Promotions.

You can phone Director Ed Bonner at 975-1977, Producer Jason Pilon at 242-5688, or Stage Manager Joe Bilaniuk at 536-5603 (call Joe after September 5th...), or you can leave us a message in the Skule™Nite mailbox in the Eng. Soc.



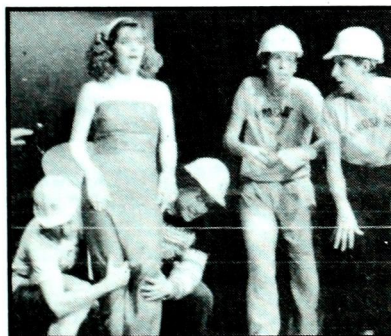
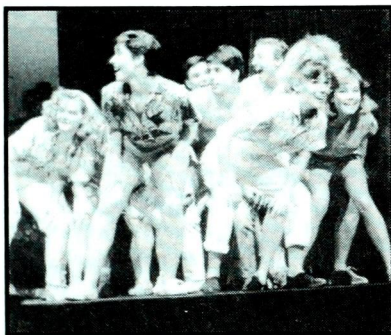
**WHY get involved in
Skule™Nite 9T2?**

Just 'cuz...It's a FUN thing to do, and
the right way to do it!

**WATCH for more infor-
mation during Orientation,
and look for ads in
The Toike Oike!**

**BE A PART OF THIS
GREAT TRADITION...
MAKE YOUR MARK!!!**

Director: Ed Bonner 975-1977
Producer: Jason Pilon 242-5688
Stage Manager: Joe Bilaniuk 536-5603
(after September 5th...)



HIGH SCHOOL LIAISON

*Selda Sharifi-Rad
High School Liaison Chair*

Hi F!rosh! How are you doing so far? Have the butterflies in your stomach disappeared yet? Well, read on, and you'll find that U of T Engineering is the next best thing to heaven. OK maybe I'm exaggerating a tad, but Skuletm really is a lot of fun, and it's a great place to prepare you for the greatest profession on earth (engineering of course!)

The High School Liaison Committee exists to let high school students know about engineering at U of T, because it is such a great place. If we don't let them know what a great place this is, some of them might foolishly become recruited by such low institutions as Waterloo, Queen's, or McMaster who actually have the nerve to call themselves universities.

CS COLE SHERMAN
ENGINEERS · ARCHITECTS · PLANNERS

75 Commerce Valley Drive East,
Thornhill, Ontario L3T 7N9
Tel: (416) 882-4401
Fax: (416) 882-4399

PCL

**Build Your Future
with the
Construction Leader**

PCL CONSTRUCTORS EASTERN INC.

One of the **100 BEST**
COMPANIES TO WORK FOR IN CANADA

Suite 800, 191 The West Mall, Etobicoke, Ontario
M9C 5R8. Telephone: (416) 626-1410

Contact: Lisa Cooke, Human Resources Supervisor
"part of Canada's largest general contracting organization"

To rescue these sub-f!rosh from such an ill fate, we, the members of the High School Liaison Committee, go to our old high schools (or other ones if you did irreparable damage to your's and are sort of afraid to go back, or if they won't LET you come back). In the past we have done this during reading week (the second week of February) and we basically promote Skuletm. This year we might go a bit earlier to talk to the high school students before they fill out their application forms. Some of you F!rosh might have seen us at your school last year. And some of you may not have; but don't you think you would have felt better if someone did come to your school?

This Committee does other stuff too. Last year for the first time we held F!rosh-for-a-day. Where high school students would come to Skuletm for a day and go to class with a first or second year student in the discipline they were interested in, to find out what being a student here is like. We also participate in U of T day in October and any other special U of T day the Faculty Office organizes.

For all the activities above mentioned, we need volunteers. (To go back to your high school, be a high school student's partner in F!rosh-for-a-Day, be a volunteer at U of T Day and et cetera. You don't have to put in a lot of time and its fun acting like you know what's going on and giving the high school students advice. You can participate in as many of the committee's activities as you like, so joining this committee is very flexible and you have nothing to lose by doing so. Just leave your name and number in my box in the Eng.Soc.

Hope to see you at the meetings!

WOMEN'S COMMITTEE

*Deborah Berger
Women's Committee Chair*

The mandate of the women's committee is to focus on any issue that concerns women in engineering. These concerns may range from fears about working as a female engineer in industry, to issues of sexual harassment, to encouraging other women to enter the field. Here are some of the things we'll be doing: We will be going out to high schools for career days as well as planning our own U of T day for kids interested in what it's like to be a female engineering student. The committee will also become a liaison between women in industry and the students. We will plan seminars about issues that affect professional women engineers.

Most importantly, the committee is open to both men and women and is interested in hearing your opinions and ideas. The year starts off with some fun during orientation week with the wine and cheese; where you can find out more or just enjoy the free food.

If you are interested in being involved with some important issues and having some fun at the same time, this committee is for you.

Editor's note: Even if you are not interested in joining the committee, go to the wine and cheeses. They are much fun. Especially for those of you who like something more classy than the usual, or if you simply like the idea of free food and drink while socialising with other such types.



In support of your university's program. At Garrett Canada, we design, develop, manufacture and support advanced electronic control and communications systems for the world aerospace industry.

Garrett Canada,
255 Attwell Drive,
Rexdale, Ontario M9W 6L7
(416) 675-1411

Allied-Signal Aerospace Canada



REGRESSION FROM DEAN TO ARTSIE

DEAN

Leaps tall buildings in a single bound
Is more powerful than a locomotive
Is faster than a speeding bullet
Walks on water
Gives policy to God

ASSOCIATE DEAN

Leaps short buildings in a single bound
Is more powerful than a switch engine
Is just as fast as a speeding bullet
Walks on water if the sea is calm
Talks to God

PROFESSOR

Leaps short buildings with a running start
Is almost as powerful as a switch engine
Is faster than a speeding BB
Walks on water in an indoor swimming pool
Talks with God if a special request is approved

ASSOCIATE PROFESSOR

Barely clears a quonset hut
Loses tug of war with locomotive
Can fire a speeding bullet
Swims well
Is occasionally addressed by God

INSTRUCTOR

Makes heel marks on wall when trying to leap buildings
Is run over by locomotive
Can sometimes handle gun without inflicting self-injury
Dog paddles
Talks to animals

TEACHING ASSISTANT

Runs into buildings
Recognizes locomotive two of three times
Is not issued ammunition
Can stay afloat with lifejacket
Has difficulty with English

ARTS STUDENT

Falls over doorsteps when trying to enter building
Says, "Look at the Choo-Choo"
Wets him/herself with waterpistol
Mumbles to him/herself

JULIE, ENG SOC's

ADMINISTRATIVE ASSISTANT

Lifts buildings and walks under them
Kicks locomotives off the track
Catches bullets in her teeth
Freezes water with a single glance
Is God...

STUDENTS ADMINISTRATIVE COUNCIL

Jo-Anne Mosselson
Engineering Executive SAC Director

You've been reading the handbook and by now you know what engineering offers you. But what else? What about the Student's Administrative Council, SAC? What do they offer you?

Bringing together every aspect of the U of T campus, SAC provides university wide social events and services, representation on all university wide committees, and opportunities for students to get involved with other universities, the Federal, Provincial, and Municipal levels of government and the local community.

Our board is made up of representatives (directors) from each of the colleges and faculties on all three campus. We're organized into three commissions: Services, University Affairs, and External. There are also many committees dealing with a variety of issues concerning U of T students. All of the commissions and committees are open to every U of T student and joining them is not only fun, but you can also address many serious matters. Do you feel strongly about Women's Issues, Wheelchair Accessibility, Alcohol Awareness, Environmental Issues, and Human Rights? Join the appropriate Committee and make a difference.

SAC is here to represent you and provide you with the means to accomplish your goals whether they be recreational, social or political. All you have to do is get involved.

Keep your eyes and ears open for events and activities advertised in papers and posters around campus and the SAC info line (978-INFO).



STUDENTS' ADMINISTRATIVE COUNCIL
UNIVERSITY OF TORONTO

When you've decided what committee or commission you want to join or if you want more info, drop by the SAC office located at 12 Hart House Circle, or call us at 978-4911. Also talk to your SKULE™ SAC reps.

Feel free to drop by any time just to see what's going on, hope to hear from you soon!

Watch for:

- Orientation events
- The Great Spirit Challenge
- Blue Bowl
- SAC Free Films
- Concert Series at the SAC HangaR
- Homecoming
- SAC BBQ Charity events
- Halloween Bash
- Road Trips
- New Years Trips / Reading week trips
- Walk Safer Program
- SAC Awareness Week
- Daily Bread Food Bank drive
- Alcohol Awareness week
- Student Health Insurance Plan

AND MUCH MORE!

THE HISTORY OF THE ENGINEER

By: Roman Darewych
and Alex Lopez

(Geo Flintstones of lore!)

CHAPTER I - The Creation of the Earth

In the beginning, there was GOD, THE ENGINEER. His first creation was SKULE™, but it was kinda lonely in space, so he created EARTH. Contrary to popular belief, GOD did not create the Earth in six days and then rest on the seventh. No, GOD partied for the first five days straight, then boat-raced the Arch Angel Gabriel and his winged friends on the sixth day, and finally, pulled an all-nighter on the seventh day. On Monday morning, in a hungover state, he created artsies.

He then retired

CHAPTER II - The First Engineer

For millions of years, Man faced the elements alone. Then came Rocky Stone. The innovative and resourceful Rocky went on a Quest:

'To seek shelter from the elements'. First he attempted to hide under a fig leaf, but he was way too big!! Then he stumbled across a large steel and concrete structure, 32 layers high, fixed to the ground, but he didn't like the view from the penthouse. He eventually settled in a large hole on the side of a mountain. He called it 'CAVE' (pronounced 'UGH' back in those days). Thus the first Engineer was a GEO.

CHAPTER III - The other Engineers

Many generations later, came the other engineers. The CHEMs were the first of this new wave. They created the elixir of



life - BEER. Rocky, finally having satisfied his thirst, died.

During the first crusades to the beach, MMS realizing the inefficiency of storing BEER in hollow rocks, invented the recyclable aluminum can.

It is logical to assume that the next group of engineers were CIVs, however, this could not have been the case, since the MECHs had not yet invented the Camaro. And then the CIVs invented the roads.

Then came Aerospace Engineers. They just sort of hung out for a few million years, until the Wright thing happened.

In search of a quicker method of chilling BEER than waiting for winter, the ELEC's created the world's largest refrigerator. The first known environmental disaster, the Ice Age, occurred when a drunken AERO forgot to close the fridge door. This created a need for the INDs, as someone was needed to manage the fridge.

In 20th century the COMPs invented the computer and along came Nintendo and GOD came out of retirement.

CHAPTER IV - The Achievements

The Engineers first major achievement was the creation of the Rockies in order to provide a suitable location for the Engineering ski trip at which they could consume gratuitous BEER.

After creating the world's largest beach, they realized that they were too far from the fridge, so they built the pyramids to store BEER. In order to facilitate the transport of BEER around their earth, they built the aqueducts. Realizing the potential of BEER theft by the vast hordes of artsies

from the North, they erected The Great Wall. At this point in time, the aqueducts became unsafe transporters of the golden nectar as they were open and unprotected and artsies could thief the BEER. This forced the construction of the Alaskan BEER Pipe Line, later to be rented out to Exxon.

.....You get the picture!

CHAPTER V - The Great Thirst -

Well, we would continue with the history of Engineers, however, we have developed an almost insatiable thirst.

CHINESE ENGINEERING STUDENTS ASSOCIATION

Karen Mok
VP Internal, CESA

Dear Frosh, on behalf of the Chinese Engineering Students' Association, I would like to welcome you all to the Engineering Faculty at U of Toronto. We wish you the best of luck in your studies and future endeavors.

The Chinese Engineering Students' Association (the C.E.S.A.) started way back in 1975, but was not recognized by the University until it was properly registered in 1983. It's prime objectives are to promote friendship and communication among Chinese students, professors, alumni and students of different cultures. In addition, we hope to bring about better understanding among various groups of Chinese Engineering Students by involving them in both academic and recreational activities.

Last year, was a very busy and exciting year for C.E.S.A. Activities included the

critically acclaimed dance parties, filmshows, the annual Coffee House (talent show), the Cultural Day, career talk, ski trips, various sports tournaments, and the publication of our very own yearbook, just to name a few.

The activities of C.E.S.A. are both expanding and improving, but we still need your support and suggestions. I would like to invite all you Frosh to join C.E.S.A. in the coming academic year. My team of executives and I will work extra hard this year to bring you the best.

CIV CLUB

Doug O'Malley
Kathy Gilbert
George Millis
Joe Costantino
Tina Leduc
Civil Club Executive,

Welcome all 9T5 Civil Frosh.

The best way to enjoy your next four (five, six,..., $n+1$ - Ed) years of Engineering at U of T is to get involved. And that is precisely what the Civil Club does - it offers you plenty of opportunities to get involved.

Throughout the year there will be numerous events for you to participate in. Some of the activities include smokers, the Civil Hockey Tournament and Engineering week. Smokers are held during the course of the year, and allow Civil students to gather informally for pizza and beer. The Civil Dinner, scheduled in late fall, is a semi-formal dinner with dancing. And, there are also opportunities to come out and show your enthusiasm and support. We always need

both participants and fans to extend our rein as chariot race champions and to continue the success of the Civil Hockey Tournament.

As a Civil student, and member of the Civil Club, you are entitled/obligated to (in other words, you have to but it isn't mandatory! - Ed) join in on these activities. We will make sure that you are well informed of all the upcoming events.

Lockers and t-shirts will be sold during the second week of classes in the Civil Club office, located in GB138.

Editor's note: Civ Club Lockers are in the absolutely best location possible, so everybody wants one, but of course everybody can't get one because everybody isn't a Civ Eng, so if you are, take advantage of it before the upperclassmen do! Also, the Civ Common room is GB422 for those of you who wish to know.

Good Luck in your first year, and feel free to drop in and meet us at any time.



JOE CIV, P.Eng

GEO CLUB

*Bogdan Damjanovic
Geo Club Chairman*

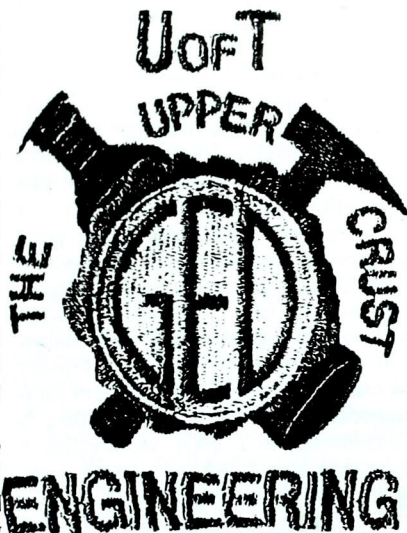
Welcome Flrosh to REAL LIFE. You will have a hard time and you will have a GREAT TIME. Come by the common room and salute an upperclassman - we can help you get through first year. Never give up wanting it(!?!).

The Geo Club can get you tickets to many events planned for this year: brewery trips, winery visits, luncheons with the Canadian Institute of Mining and Metallurgy (many jobs here!), the Cannonball, dinner at His Majesty's Feast or YukYuks (or both?).

Find out what bursaries and scholarships to apply for (there are several directed towards just Geo-Engineering students).

(PM - There are more goddamn Geo Scholarships than there are Geo students!)

Keep striving for the higher peaks, and don't let homework interfere with playing Geo-Flinstones football.



CLUB MECH

*Bill Woodside
Mech Club President*

First, welcome to all the 9T5 Flrosh, who have chosen the best faculty at UofT!

An even warmer welcome to those wise individuals who had the foresight, intelligence and wisdom to choose mechanical engineering, the best department in the faculty. (NOT - Ed) (For those of you who blew it, there's always hope as you can try to transfer in after first year).

Mechanical Engineering has a great and glorious tradition at U of T which you (wise Flrosh) are now a part of. We've been here for over 100 years and during that time our exploits have become known both far and wide. Some of these exploits include having won the chariot races for 6 consecutive years (as witnessed on the J.P. Potts Memorial Trophy) and erecting a three story rocket over the entrance of the Mechanical Engineering Building.

So welcome to the Mech Club! Mech Club is a student run organization that organizes all sorts of fun activities throughout the year. This year we're planning a textbook sale/exchange in September, the

annual Mech Club dinner in October, monthly smokers (cheap pizza and beverages in the common room), a Mech Club hockey tourney, etc. etc.

We'll be posting more information about these events (and many others) in the Mech Building. You can also stop by our office (MC 201), or check the bulletin board outside MC252.

As well, mech Flrosh are welcome to use the undergraduate common room, located on the third floor of the Mech Building. Sight of the infamous smokers (and some all night cram sessions), it is filled with chairs, tables, dart boards and pop machines, and is a great place for hanging around or doing problem sets.

Participating in Mech Club activities is a great way to meet students in your own class & those in upper classes who all have old tests (and who have actually lived through first year). It's also a great opportunity to meet Faculty members outside the lecture environment. Don't forget there's a lot more to an engineering education than labs, lectures and mid-terms. So come on out and get involved!



INDUSTRIAL CLUB

Mary Lou Marzura and Mehdi Nezarati
Indy Club Co-Chairs

Location:

The Common Room, Rosebrough Building Rm104 (its really the basement)

Attractions:

A party every month, a cheap pop machine (\$0.65 for the big new cans), a stereo, microwave, refrigerator, free phone, the best paint job in school and the best students in engineering.

Who We Are We and What We Do:

The Industrial Club is a student run club which organizes various social events. Some of this year's highlights are the traditional smokers together with other disciplines, an alumni smoker (come and make those summer job contacts), a skating party, and a ski trip.

The Common Room:

The Common Room is located in the basement of the Rosebrough Building which you will come to know and love, and is available to all students at all times. There is a microwave, radio, and free telephone (sorry no long distance) for your use. We hope that you like and use the common

room as much as we have in the past and we look forward to seeing you there.

The Events

The smokers are a chance for undergrads and grads to get together and have some fun. After a jam-packed 9-5 schedule, it's an opportunity to relax, have a drink with some friends and get a chance to meet some of the students in the higher years. So come on out for a really great time, relax and enjoy, cause that's what school is all about.

Admission: Free.

Beverages and Pizza: Cheap.

The Industrial Skating Party is an annual event which takes place at Nathan Phillips Square. There is always good attendance between staff and students, and we hope to see even more first years this year. This is a great opportunity to get to know some of your future profs (it really helps in the long run), and also how to get some second hand textbooks from some of the older students.

The Industrial Club is here for the students and we hope to see you at all the events that will be held. Don't miss out on a chance to have fun and make some friends. See you there.

THE INDUSTRIAL HOCKEY TEAM



CLUB ENG SCI

Karen Medweth
Engineering Science Club Chairman

Welcome to the wonderful world of Engineering Science. To the many who dare to travel here, it can be an interesting and rewarding four years. Yes, you will be up in the middle of the night, trying desperately to finish problem sets, lab preps, reports, or maybe just studying for mid terms or exams. But really, there are some advantages to being in Eng Sci.

(...NOT - Ed)

(Fuck you Selda, There's lots - PM)

The major one of course, is the Eng Sci Club. This organization is responsible for organizing a Dinner/Dance in early November, to which all four years are invited. It's just in time to help relieve some of the mid term agony that some of you may be experiencing. Also, in the past, the club has held "Smokers", which is just an excuse to sit around, have some pizza, take in a good flick, and relax. Some of the other activities the club participates in are sporting events, and, of course, what would Engineering Science be without its entry into the Godiva Week Chariot race?

The Common room (GB148 - in the Galbraith building, down the hall from the faculty office) is a great place to go (and is where the Smokers are held), to meet people, copy problem sets, and get help from your classmates or from upper year students. The room was increased in size this past summer, and so will be able to accommodate even more people. Available in the common room are several computers (about eight or nine), as well as printers, and several (useful) software packages. These computers are for anyone in Engineering Science to use, and will

serve you well in your desperate hour of need.

As you look around, to the tune of "Eng Sci sucks" (how can you look to a tune? - Ed), just remember, they're jealous. Also, you will see, others like yourself who are perhaps a little unsure of what they have just gotten themselves into. Most people have heard horror stories, and a 2nd, 3rd, or 4th year can supply some if you haven't heard any. But everybody was in the same boat at one time or another, and all remember it. So, remember that there will always be someone around to help you, and chances are if you are tearing your hair out over a problem, so is the majority of your class.

Again, welcome to Engineering Science. With help from your class, some stress release at Smokers, and at the Dinner/Dance, and by not taking everything sooo seriously, we hope that your four year stay will prove worth the effort. Good luck on your upcoming year.

15 seconds of club

ENG SCI



**Could you
imagine
4 years?**

CHEM CLUB

*Domenic Siniopoli,
Chem Club Chair*

Welcome to Chemical Engineering, Frosh of 9T5. Let me also take this opportunity to welcome future Chem Eng students currently trying their luck in Eng Sci (Eng Sci sucks - Sorry just had to say it - Ed) Ahead of us lies the greatest adventure of your lives to date . . . These are the voyages of the Star Club Chem. It's four year mission (or five year mission for serious partiers) to explore strange new pubs, to seek out new friends and new experiences; to boldly go where no one (except the most outgoing, intelligent, fun and adventurous chemical engineering students) has gone before.

The Chem Club's prime directive is to plan and organize events that you will one

day look back on and say "Remember when..." We will be re-organizing some events that are past favorites and traditions. For example: the Chem Dinner, the Departmental Dinner, and also the legendary Bi-monthly SMOKERS! (keep an eye out for times, dates, and place); the many intermural sports events and the "you can't miss these" annual hockey and golf tournaments.

Your prime directive is to show up and party your heads off. Getting involved in the Chem Club is a great way to relieve the tensions you WILL BE experiencing. If nothing else you'll make great connections for past problem sets, quizzes, exams, advice on your profs and tips that will help you more than a Tom Vu seminar. Be there or be a benzene ring!



ELEC CLUB

*Gino Grano
Elec club chairman*

On behalf of the Faculty and the Electrical club, I'd like to welcome the F!rosh of 9T5 to the University of Toronto and the Faculty of Applied Science and Engineering.

In your first year at U of T, you F!rosh are going to be overworked, bummed out and constantly wondering WHY! you picked engineering, but don't worry, most of us are still wondering. Therefore, in hopes of keeping your sanity, I urge you to get involved with the Elec club and the Eng. Soc. and make the best of your four years at U of T.

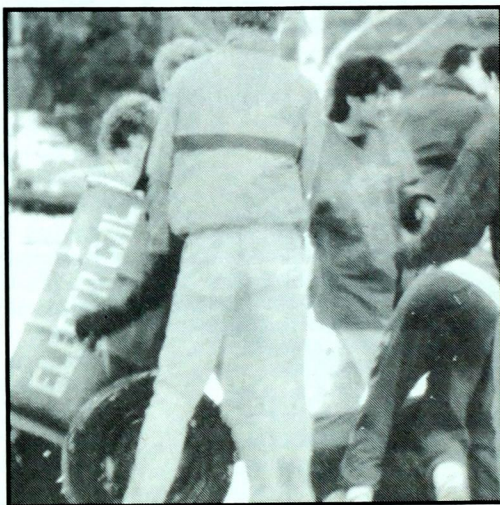
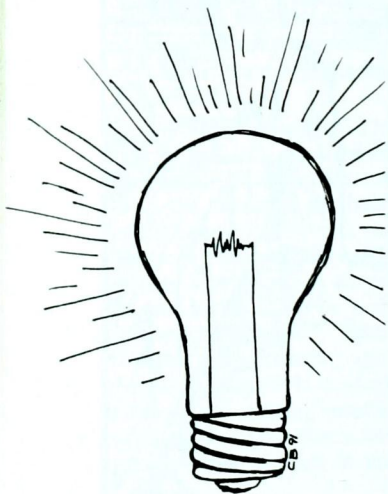
The Electrical Club has many services to offer its students; the most important service being the common room GB422 and the smokers that are held there. (For those who don't know, a smoker is an informal gathering where pizza and BEvERages are served.)

Furthermore for those of you who stick it out until 3rd year, the Elec club organizes a class trip to the Ottawa/Hull Area to visit the "Silicon Valley" of Canada. This trip is a once in a lifetime experience and should provide enough incentive for you F!rosh to stick around.

Other events the club organizes include the annual Electrical Club Dinner, the squash ladder and the chariot race. All events will be advertised and will be posted on the bulletin boards in the common room and on the door of SF1024.

If you would like to get a hold of us, for suggestions comments, or to just talk, feel free to drop by our new office, SF640.

So remember, university should be the best time of your life (both academically and socially) so make a point of joining in on the fun. Looking forward to meeting you.

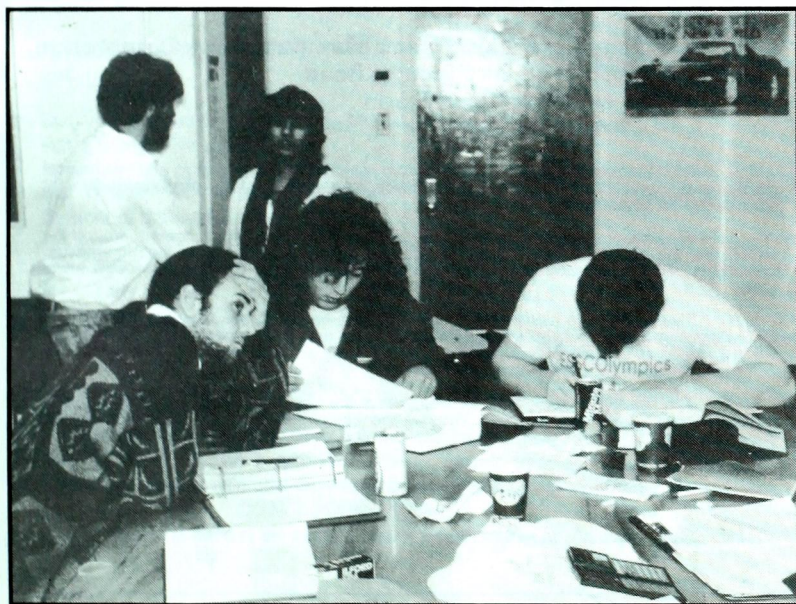
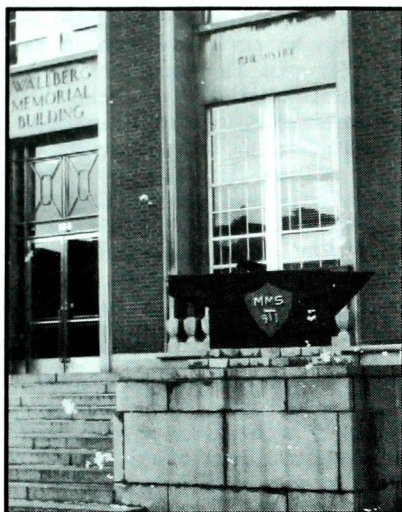


MMS CLUB

Ivan Beg
MMS Club Chair

Dear MMS Club member, (and all other interested parties - Ed)

This close knit group of party animals usually inhabit the halls of the first floor of Wallberg. (The building with NO comfortable lecture halls - Ed) They have no distinct appearance or call. Strangely enough, they are active participants in all the more important areas of life in engineering. If by chance you are able to spot one of these species, don't panic. They are fun loving and very playful. (and people say I have a dirty mind! - Ed) They do not attack unless provoked. The best way to acquire friendship with these important creatures is to party with them. Remember, the party is in Wallberg 143.



COMP CLUB

The Computer Engineering Club does not exist, has never existed, but might some day exist. That about sums it up. Computer engineering students, are members of the Elec Club since they take the same things for the first two years, so go on and read that page. Any of you Flrosh interested in perhaps starting up a comp eng club, talk to any of the officers: Gil, Andrew, Michelle, Brian, of whoever gets elected to be VP-Finance. I guess since you guys are in comp eng you know a lot about computers and it's useless for me to force upon you the little knowledge about them that I have. (That's why I'm a Civ) Any way, right now, after about two months of trying to put the handbook together, I am convinced that computers don't like me, they take too long to do things (the other computer has been



loading the handbook for the past hour now), and they are very fussy and get upset at the littlest of things (such as commas, asterisks, you know what I mean!) So even though I have nothing personally against computers, they have the nerve not to like me. Go on and read the Elec page now. Please.



Ford Electronics Manufacturing Corporation,
7455 Birchmount Road,
Markham, Ontario.
L3R 5C2

Ford Electronics is a world class automotive supplier of electronic and mechanical components. Industry wide we have a reputation for providing quality products backed by state-of-the-art technology.

We have Engineering location, manufacturing facilities and customers around the world. At the Markham facility we manufacture electronic automotive instrumentation, monitoring control and entertainment equipment for Ford Motor Company products world wide.

The automotive electronics industry is at a transition point, where one level of technology has been achieved and the thrust toward a new level is beginning. In the future we will continue to design and manufacture a broad array of electrical and electronic components that meet our customers' needs.

The key to technological improvements at the Markham Plant, is our people. Our people conceive each new process, develop the equipment internally or in concert with suppliers, manage the manufacturing operation; and continually search for improvement opportunities.

Our vision is to "Be the Best" producer of Driver Information systems and Control Modules.

Ford is destined to remain in your future, why not put yourself in ours.

BEFORE I CAME TO UNIVERSITY I WISH I HAD KNOWN ...

- that you were smart in high school, so what!!!!
- that it didn't matter how late my first class was, I'd still sleep through it.
- that university kids throw paper airplanes too (or paper darts).
- that if you wear a skirt everyone asks you why you're so dressed up (especially if you're a guy).
- that every clock on campus shows a different time.
- that Physics problem sets require more time than all my other 18 (?) credits combined.
- that you can know everything and fail a test.
- that you can know nothing and pass a test. (Really, I've tried)
- that Sunday (as in day of rest) is a figment of the world's imagination.
- that chemistry is really physics, physics is really math, electricity and magnetism is really math, math is really...
- that no matter how fast you write, the prof writes faster.
- that 99% of all TA's are the most useless human beings known to engineers AND DON'T SPEAK ENGLISH!
- that no matter how hard you vow to work, you're always at least two weeks behind.
- you really don't need a lab coat for Chemistry, unless you want to look like a geek.
- that TURING is a stupid, useless language, but then again, so are most computer languages.
- that HPS286F is a great place to sleep.
- that MC102 (where HPS286 is usually held) is the most comfortable lecture hall (ZZZZZZ!!)
- that there are geekier geeks than the ones in your high school, and they invariably sit next to you...
- that the guy with the cold always sits directly behind you.
- that a Coke, a smoke, and an Oreo cookie constitute a nutritious breakfast.
- that an aid sheet doesn't mean the test/exam will be easier - it guarantees it'll be harder.
- that the one lecture you skip (yeah, right), is the one in which the prof covers all the exam material.
- that MarriRott Cafeterias have even worse food and higher prices than you can imagine.
- WHAT I WAS GETTING INTO!!!!

TELEPHONE LIST

All numbers listed have the exchange 978- unless otherwise specified.

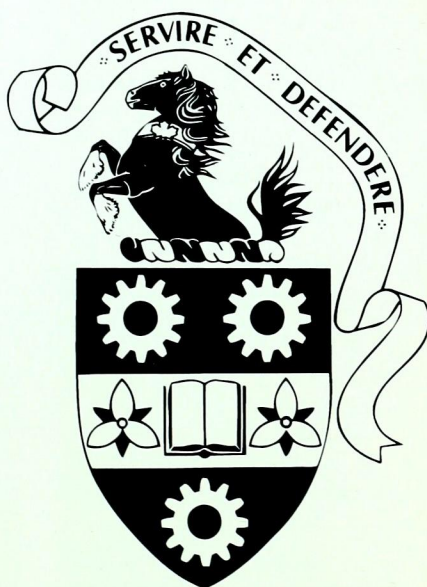
EMERGENCY	2222	Metallurgy & Materials Science:	
		Prof. I.D. Sommerville	5637
Engineering Society Office	2917	Computer:	
Engineering Communications Office	5377	Prof. H.W. Smith	6341
Engineering Stores	2916	KOFFLER CENTRE	
SAC	4911	Health Centre	8030
SAC Information	INFO	Dental Services	4302
Walk Safer	SAFE	Psychiatric Centre	8070
		Housing Centre	8045
FACULTY OFFICE:		U of T Bookstore	7900
First Year Advisor:		Services to Disabled Persons	8060
Pierina Filippone	4625	Learning Skills Services	7970
First Year Chairman:			
Dean Boocock	4625	LIBRARIES	
Dean of Engineering:		SF (Engineering Library)	3123
Dean Hienke	3131	Robarts	2294
Assistant Dean Alumni Affairs:		Library Info.	2294
Dean Malcolm McGrath	4941		
		ATHLETICS & RECREATION	
UNDERGRADUATE		Athletic Centre Enquiry	3437
COUNSELLORS		Recreation info line	3443
Civil:		Hart House Hall Porter	2452
Prof. R.A. Collins	3099		
Geological and Mineral:		OTHER NUMBERS WORTH	
	0000	KNOWING	
Mechanical:		University Ombudsperson	4874
M. Tompsett	4731	International Student Centre	2564
Industrial:		Downtown Legal Services	6447
P.J. Foley	6421	U of T Police	2323
Engineering Science:		T.T.C.	393-INFO
P. Edghill	2903	GO Transit	665-0022
Chemical:		Cora Pizza	922-1188
W.J. Dowkes	6653	PIZZA PIZZA	967-1111
Electrical:		Ace Pizza	961-2020
Prof. S. Zukotynski	8570	MOM	—

THE ASSOCIATION OF PROFESSIONAL ENGINEERS OF ONTARIO

The liscencing and regulatory
body for 59,000 professional
engineers registered in Ontario

By law, membership in the APEO is required to practise engineering in the province and to use the designation P.Eng.

For further information on becoming a professional engineer, contact the Communications Officer, APEO, 1155 Yonge Street, Toronto, Ontario M4T 2Y5
Telephone: (416) 961-1100



Sleeman...the choice is clear



Special Events Call Phil Thatcher 519-822-1843