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*U of T Engineering*
University of Toronto 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 Skule 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.

Acknowledgements

Editor Jennifer "NOT! Here" Staples
Assistant Editor Tom "Waster of Time" Peralto
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Art Director Peter "Corrupter of the Innocent" Rivard

Staff
Demetrios "No name" Ampelikiotis
Justin "Time" Bowler
David "Hairy" Leighon
Sunil "Hard Hat" Sebastian
Sylvia "Bad Grammar" Wong
Dan "Morbid" Rivard

Mascot Martin Bonart
Voted most likely to become a sex symbol

DISCLAIMER

The 9T6 Flosh Handbook has 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.

Jennifer Staples
Editor
EDITORIAL

Jennifer Staples, CHEM 9T5

Hi. Welcome to Engineering at the University of Toronto. You have chosen a wonderful school and you next four (five, six, ... n+1) years here will prove to be some of the most inmemorable of your lifetime.

The Flrosh 9T6 Handook is your guide to Skule™, read it, read it carefully. We have provided what we think is a comprehensive (ouch that's a big word) guide to the various aspects of Engineering, from academcis to activities you as Engineering students have the opportunity to participate in. The handbook also contains serious articles, many cartoons and humourous articles that you will enjoy reading. There are also quite a few ads that will come in handy when job hunting.

Until you new Flrosh arrive on campus I am still a Flrosh. So get here quick!! However, while I am still a Flrosh I will take this opportunity to let you in on a secret I have learnned: GET INVOLVED. (Don't forget to spend some time (not ALL your time) on your studies otherwise you may end up a recycled Flrosh.) There are over twenty clubs and committees that you can get involved in. Almost all of them are described to some extent in this handbook. Pick one or two (three, four, ... n+1) that suit your interest and during orientation week talk to an upperclassman and find out how to sign up for that club or committee.

As with most editorials it is time for the thank you. As an enviromentially conscious engineer I have dutifully recycled a lot of material from previous handbooks. Some minor changes were made on most of the articles but some simply required a few seconds of time to copy the article onto disk.

This handbook is a monument to all the hard work and effort of myself, my capable staff and those who got suckered into being part of my staff. I would like to thank my nutty assistant editor, Thomas Peralto, who endured my endless nagging and always managed to get things done despite the throbbing pain in his throat. (He also sleeps quite well on the Eng Soc couches.) Then there is my production assistant, Selda Sharifi-Rad, she was always available for those 2:00 a.m. conference calls whenever there was a problem. Then there is my art director, Peter Toney, he came through with those last minute cartoon fillers. My heart felt gratitude goes out to all those people who handed in their articles on time. To those who were late or didn't hand in an article at all, you know who you are, the bomb's in the mail. And thanks are extended to the advertisers who supported us in this year's handbook.

Finally, I would like to remind you to read the handbook and get involved. University, especially engineering can be loads of fun. In four years or so you will graduate with your degree and a bundle of memories that you will treasure forever.

U of T Engineering
DEAN’S MESSAGE

G. W. Heinke, P. Eng.
Dean, Applied Science and Engineering

Welcome to the Faculty of Applied Science and Engineering at the University of Toronto. Since this will be my final year as Dean it is a special privilege to say a few words to the class of 9T6.

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 expand your knowledge. If you run into problems or difficulties, please speak to the undergraduate counsellor in your department or come to the Faculty Office for help (Room 157 in the Galbraith Building) from the Chair of first year studies, Professor S. Zaky.

We are most anxious to make the transition from high school to university a pleasant one.

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 get involved, 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 to have fun. The Engineering Society at Skule has a long and proud tradition. Their activities enrich the life of the Faculty and the whole University. These include sports, music (we have two bands) and community programs. Involvement takes 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, administered by the Engineering Society, adds a quarter of a million dollars toward the other funds the Faculty invests to improve undergraduate teaching equipment. More recently the “leaving class pledge” of the graduating class adds even more towards helping the Faculty to modernize and improve. That’s responsible self-help!

We are glad you are here and I wish you well.
It is my pleasure, once again, to say a word of welcome to our Frosh! 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 1991 alumni of U of T Engineering contributed over $531,000 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

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 GB173—the door is always open!

Remember: your attendance here automatically makes you eligible to be a full member of the Engineering Alumni Association—forever! This club is one of the best ways to become familiar with the University of Toronto and its facilities, and to meet other students who share your interests. The class of 9T6 has set a record within Engineering and Alumni Association—come on! This is your chance to be a part of something special. Since the class of 9T6 one good turn deserves another, I hope you will respond. Then it will be your turn to that, after you leave us, you will remember the saying, thank you and help the students member all that the Faculty did for you.

The class of 9T2, who have now left us, set a record within Engineering and Alumni Association—forever! This is your chance to be a part of something special. Since the class of 9T6 one good turn deserves another, I hope you will respond. Then it will be your turn to that, after you leave us, you will remember the saying, thank you and help the students member all that the Faculty did for you.
AND NOW THE PRESIDENT

Andrew Steeper,
Engineering Society President

Congratulations and welcome to the Faculty of Applied Science and Engineering at the University of Toronto. You are probably nervous about what lies ahead, so relax and read through this handbook to learn about all that awaits you.

You are now a student at one of the worlds top engineering schools and that makes you a very special person and a part of a tradition more than a century old. The Engineering Society, known as Eng Soc (\textit{N Sock}), is your society, made-up and run by engineering students.

Eng Soc is not a student council, it is the nucleus of all undergraduate engineering students and it keeps alive traditions such as the Mighty Skule\textsuperscript{TM} cannon, the L.G.M.B., the non-existing BFC and our own bookstore.

Eng Soc is only as strong as the people who get involved. A friend of mine once said, "don't let school get in the way of your education." This, in its weird way is true, but remember to keep in mind some words of wisdom (or at least some harmless advice) from a now seasoned Skule\textsuperscript{TM} veteran.

The challenges of engineering will require almost all of your time and spirit. The Faculty will take care of your time and the Engineering Society will give you the opportunity to take care of your spirit. Your academics will begin on September 10	extsuperscript{th} but your education will begin on September 8	extsuperscript{th} with Orientation (the most important event of your time in engineering).

Orientation is the beginning of your education and it starts by \textbf{GETTING SKULE\textsuperscript{TM} TO KNOW EVERYONE YOU POSSIBLY CAN}. What makes those who \textit{are} engineers different from those who \textbf{want to be} engineers is an understanding that there is a time to work hard and a time to play even harder. By meeting new friends at Orientation, you will learn all about this most important lesson (and believe me this is one lesson that is \textit{not} taught in the classroom).

When you are in class and at home, DON'T LET SCHOOLWORK GET YOU DOWN. Sure, do your work. But, when you receive a mark of 30\% (yes, I meant to say when, not if) don't worry: everyone else is in the same boat.

For you, University will be a completely new environment. A place to learn about who you are and what you are capable of. \textbf{GET INVOLVED IN UNIVERSITY\textsuperscript{TM}}.
FIRST YEAR CHAIR

Safwat Zaky
Chairman, First Year Studies

It is my pleasure to offer a special welcome to the Class of 9T6, confident that you will find the next four years a most rewarding and memorable experience. The University of Toronto offers a rich learning environment that is without match in its breadth and depth. Explore it to the fullest.

The new First Year curriculum, which is being introduced in 1992/93, has been designed to enable you to acquire an in-depth understanding of the foundations of engineering. Engineers seek solutions to practical problems in accordance with the laws of physics and chemistry; in this endeavor, mathematics is the indispensable tool and language of communication. The First Year curriculum introduces these essential elements in a manner that emphasizes their relevance to the study of engineering and their importance in engineering applications.

Because of the breadth of the engineering field, each one of us specializes available for the third time on an exam in a subdiscipline. You have already perimetal basis (this is why it is not made your choice. However, it is important to keep in mind that we need to help good students who for one reason communicate and to understand each or another run into academic difficulty other's work -- a fact that has long been in the fall term of first year. It offers established in professional practice. them a chance to repeat up to three The First Year curriculum reflects this courses in the spring term and defer an fact. It provides you with an excellent equal number to May/June.

In 1992/93, the T-Program will be in the T-Program will be available for the third time on an exam in a subdiscipline. You have already perimetal basis (this is why it is not made your choice. However, it is important to keep in mind that we need to help good students who for one reason communicate and to understand each or another run into academic difficulty other's work -- a fact that has long been in the fall term of first year. It offers established in professional practice. them a chance to repeat up to three The First Year curriculum reflects this courses in the spring term and defer an fact. It provides you with an excellent equal number to May/June.

opportunity to acquire a broad overview of the Associate Dean responsible for undergraduate studies, Professor Peter Wright, the Co-ordinator of the T-Program, Ms. Pierina Filippone, the First Year Counsellor, and myself, I wish you to reach a higher level of understanding in individual subjects. How-
APSC—Abbr. Faculty of Applied Science and Engineering (What you are in)

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

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 in...
whatever.

BFC--A mythical organization that doesn’t exist, never did exist, and have to do with academics, located in never will exist: see 'caper'. See also SF B670, come down and get involved. article in this book.

Eng Soc--Abbr. Engineering Society

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

Euchre—For those who can’t play bridge

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 impotent pretenders challenge the has nothing to do with da BFC)

Flrosh—Scared and dumb first year student: That’s you. Now you know why the ! is in there.

Fart--Why you little pig!

Chariot Race--A race held during Godiva Week. Includes innovative Godiva—"Goddess" of Engineering. chariot designs (a barrel with wheels on See also article in this book. it) from each (?) department. Rules: Flrosh cannot win, anything else goes.
Godiva Week—A week of fun stuff SAC -- U of T's Students (chariot races, Beer, movies, beer...) Administration Council. (SAC SUX) held in January.

Grad Ball--A "formal" party for the charitable events. Hopefully we won't graduating class, but why go once when need it much longer. See also article you can go four times?

Shlnerama—one of Skule's favorite.

Joe E. Skule—Legendary Skule man. First BFC Chief.

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

LGMB—Lady Godiva Memorial Band. see DOG

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

Skule Nite--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.

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

Sleep--Get it while you can

Mice--See article in this book about them, if you really must.

The Newspaper--Read the Toike Oike.

...Not--could mean almost anything.

Nurse--Member of a mostly female professional faculty.

PSY 101--No one is quite sure, but if we were, that is if possible, to look at it Toike Oike--rivals the Toronto Sun as analytically, the ramifications of its best paper in Toronto. See also article content would be perpetually in this book. complexing; furthermore...

Rehab--Another mostly female professional faculty. But there are two The Varsity--a.k.a. The Varshitty, kinds of these: OT's and PT's

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

Upperclassmen--grown-up (?) Flrosh

S.F. Library--A nice place to admire XES -- SEX backwards.

those darts in the ceiling.
ORIENTATION

Leedur: Ivana Strgaclic
V.P. Activities

THE BEGINNING: Tuesday, September 8th, 1992 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 most enthusiastic of them all.

During your introduction to SKULE, the Flrosh leaders (the privileged few who wear blue overalls) will look after you and lead YOU, the Flrosh, through singing, scavenging, Faculty, SHINERAMA, 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 would like to welcome you to the University of Toronto, SKULE9T6.
SHINERAMA

Maria Bruno
Shannon O’Connell

F!rosh like you during this Shoe Shine phenomenon.

Other Shinerama events during

During orientation, one of the more F!rosh week also help to raise money, noble and enjoyable series of events One such event is the bed race on taking place is Shinerama. You may be Thursday. Competitors push a bed wondering what Shinerama is, why it is down St. George St. in hopes of outrac-noble and what makes it so enjoyable. ing other colleges and faculties to the

Shinerama is a national campaign finish line. You can support the Engi-designed to raise money in aid of Cystic neering faculty by purchasing water Fibrosis Research. Cystic Fibrosis is a balloons from the many water balloon serious chronic disorder that effects a merchants along the race route and toss-
multitude of children and young adults ing the balloons at competitors from across Canada. The average life expec-
tancy of a Cystic Fibrosis sufferer is 25 their progress. Keep an eye out for years. Twenty years ago when Shinerama first began most Cystic Fibrosis week and beyond.

We hope that all these events make child-

day. This encouraging rise in life ex-

Shinerama a huge success this year. pectancy of C.F. sufferers is a direct Last year we raised over $60,000. We result of funds raised during the twenty hope to surpass that this year. This can years of Shinerama’s existence but still only happen with your support. So there is no cure. Hopefully this year a show up at all the Shinerama events and cure will be found with the help of enjoy yourself.

money raised from the many Shinerama events.

The Wednesday during F!rosh week, F!rosh from all faculties and col-
ges 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 pair of roller blades valued at over two hundred dollars. The blades were 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 fac-
culty or college. The bulk of the money raised through Shinerama is raised by
THE ENGLISH PROFICIENCY TEST

This test, (The E.P.T) is for come in and write the test. Other com-
guys/gals who were not fortunate mon topics are about you and the engi-
which is explained on the next page. Oh yes, the test is written within one
But I must warn you not to miss the test hour (yes, one hour to write your best
or else! Both tests take place on essay), so you should not waste your
Wednesday September 4th at 9:00AM time developing your beautifully
Don’t be late. Well, now that all planned introductory paragraph, while
the important things have been said, the supporting and closing paragraphs
whoever is writing the T.P.T. need not have yet to be written. The purpose of
read on! (Read the next article instead.) this test is to see how well you can
The E.P.T. is set up in the form of communicate effectively (in writing) in
an essay question. You will have a limited time.
big hint! Most of the topics given are essay with no spelling mistakes. Also
about current events, therefore read up
on your favourite newspaper before you

Get Your Career
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The Consumers’ Gas Company Ltd. is Canada’s largest
natural gas distribution utility. With assets of $2 billion, it
serves over 1 million residential, commercial and industrial
customers in Ontario, Western Quebec and Northern New
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Employee Relations Representative
Consumers Gas
P.O. Box 459
Sudbury, Ontario
M9K 1B3

Consumers Gas
Committed to Employment Equity

Flrsh Handbook 9T6
THE TECHNICAL PROFICIENCY TEST

On the morning of Wednesday, September 4th, those students not writing released 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 test which will consist of three results are not used as acceptance criteria, nor are they used for or against the TPT will be announced later in the student in future course selection or petition.

The TPT results are used as part of the school ranking contact the Engineering Society at 978-system. Thus the results, along with the 2817. Please do not contact the Faculty student’s name and high school of origin, as they are not responsible for gin, are retained for no less than three the administration of the TPT.

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=0s, 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: C8H18 + O2 → H2O + CO2 + CO + ΔH

Assuming the product is 20% CO2 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 al-
GUIDE TO ACADEMIC SURVIVAL

University... the (not quite) final frontier.
These are the voyages of dumb Flrosh.
Their four (+PEY +1 +1 +....) year mission:
To explore strange new bell curves,
To seek out last year's problem sets
and english speaking T.A.s,
To boldly pass where no one has passed before...(music)
The journey that you are embarking on will take years off of your life (four to be precise), will exceed your maximum tensile strength (buckling will occur), and will make you wish you were a Geo! However, there is light at the end of the bridge (over shark infested waters) -- upon completing you will be able to attach B.A.SC. to the end of your name. As well you also get the holy IRON RING (it better have a hole, so you can stick your finger through).

The Meaning of Flrosh Part I
Books and Equipment

University is not high school (no shit). Profs don't care if you go to class and text books aren't free. There are ways to obtain texts without paying for them (I could tell you how, but then I would have to kill you). However, there are ways to minimize the costs.

First, to avoid buying multiple texts for the same course, make sure the texts that you are about to purchase have been officially sanctioned by the prof. When you are about to buy the books, the very best prices (for new books) are available from our very own Engineering Stores (trumpet, fanfare). If these humble prices are beyond the means of you poor Flrosh, don't panic, there is hope; most upper year engineers will be overjoyed to sell you texts (and other notes) for very reasonable prices. Yet, even if this is still too expensive for you, there are still other alternatives. Photocopy the entire textbook (at 3 to 5 cents a page) or just take the damn book out of the library.

There is some essential equipment all Flrosh must buy. A well prepared Flrosh has a calculator for all equations. For the uninhibited Flrosh there is the HP48SX with equation card (help is just a button away). For those special occasions (and the four months it going to take you to learn how to use the HP) you must have a more modest non-programmable calculator. As well you must have many coloured pens and pencils (see Avoiding sleep below).

Flrosh Handbook 9T6
The Meaning of Frosh Part II

Lectures

The purpose of lectures is either to "Raise your abysmal level of cultural ignorance to semi-tolerable levels", or to put you asleep. Attendance is suggested, but not mandatory.

Methods to avoid sleeping:
- Take notes of the subject (for Keeners only)
- Make pretty pictures on note paper (see equipment above)
- Make darts or paper airplanes (avoid hitting prof)
- Eat
- Play Keener Bingo (see Keener)
- Do lab write-up or problem set due next period
- Leave

Don't be afraid to ask questions -- everybody is just as lost as you.

Guide to taking notes:
- a) Multi-colour notes with personal insights (Keener style)
- b) Copying word for word, error for error prof's notes (standard)
- c) Befriend a Keener who types all notes and photocopy them.

Warning, it is very important to date and label each note, cuz after two weeks everything blurs to Calculus.

Meaning of Frosh Part III

Laboratories

Labs are abberations of the norm; attendance is mandatory. If you miss a lab, enjoy failure (or make it up on your own time).

Important hints to lab survival:
- Do your lab prep neatly (you actually get marked on it), as well it may help you understand what's supposed to happen.
- Choose a lab partner who is brilliant in the subject; it helps if the two of you are on speaking terms.
- Unfortunately, under the university's lab conditions, the laws of nature are invalid.
- Lab Assistants (i) ignore their prep (you won't understand it anyway). (ii) your mark is inversely proportional to the quality of English spoken by the L.A.
If your experimental results are beyond the scope of probability, don’t FIX them (it’s much less work to reference another group’s data).

When plotting graphs, best fit curves usually ignore experimental points.

Formal lab reports -- if your T.A. cannot speak English, the thicker the lab report the better; if your T.A. is fluent in English then "how long can you tread water" -- ha, ha, ha...

Meaning of Flrosh Part IV

Tutorials

Tutorials are a time when the material covered in the lecture and your textbook is augmented by a knowledgable teaching assistant (T.A.) dedicated to spending one hour a week enhancing your understanding of a subject -- not!!

Moving away from fantasy land, in reality, tutorials are a tragic time of torturous testing and terrible T.A.’s who cannot speak or comprehend the English language. This isn’t as great a problem as it may seem; someone in your tutorial usually speaks the same language as the T.A.

Common questions asked about T.A.s:

• Who are they, really?
• Where does the university find these "people"?
• How can we get rid of them?
• How can I understand them?
• Do they realize that they are wasting my time?

As well, tutorials are a great time to hand in those pesky little problems sets (aren’t you lucky!).

Meaning of Flrosh Part V

Problem Sets

Problem sets are the faculty’s way of keeping you off the street at night and preventing you from having a life. Problem sets usually consist of unbelievably complicated problems which require hours of excruciating pain and persistence to just understand the question, let alone solve. Now here is the bad news, problems sets are just about the best way to learn the material (groan).

Three ways to do a problem set:

a) Do it alone, by yourself and with no help (This way maximizes marks, but minimizes sleep and your life).

b) Do the problem set with a small group of friends, where everyone contributes (for this method you must have friends).

c) Develop good research habits by referencing other people’s problem sets (can you say copy?).

Try to avoid copying because, well you don’t learn it (see failure). A word of advice, don’t hand in photocopies. Rewrite the problem set in your own handwriting.

Meaning of Flrosh Part VI

Professors

Most of the time, professors are brilliant (geniuses really -- nah) people who must lower themselves to teach at your level. Unfortunately, professors have never been taught to teach, so they
sible problem sets would indicate other-notes. However, none of this applies if wise. If you have problems with a you are telepathic. course, talk to the prof, he will usually One of the greatest blessings and listen to you (ignoring every single curses upon an engineer is an aid sheet. word that came out of your mouth) and A blank doubled sided 8.5" by 11" yel-may actually help you. Always remem- low piece of paper upon which anything ber profs are (or were once) human too. can be written. Hopefully, amidst the If you had a discouraging (see failure) piles of useless information that is con-chat with the prof, go directly to the tained within the aid sheet there is the Faculty Office and ask to see the won- one small tidbit of knowledge that derful Chair of First Year Studies Dean would mean your salvation. Remember, on an aid sheet, there is no such thing as writing too much.

Meaning of F!rosh Part VII
Exams

You are alone, adrift in a pitiful ex- cuse for a boat that has more holes in it. It really doesn’t matter how poorly than wood. Your mission, should you do on exams, it only matters how chose to accept it (and you have no poorly the rest of the class does. The choice), is to patch up as many holes as professor has a preconceived notion of possible in the allotted time frame. This is an engineering exam. Upon completion of a typical engineering exam, you may feel like your insides were ripped apart and shoved in a blender while a small voice in your head whispers "help me, please help me". Do not worry, this is a perfectly natural reaction, but there are ways to fight this hor-ror...

Meaning of F!rosh Part VII
a): Studying and Aid Sheets

The best way to avoid drowning is to start studying early (besides you won’t have a life anyway). Study problem sets, previous ex-

Meaning of F!rosh Part VII
b) Marks and Petitions

RIDE THE BELL CURVE!!
what the class average should be, so marks are routinely adjusted to this average. This adjustment follows a gaussian statistical distribution, commonly known as the magical bell curve. However, it is only possible for half the class to be above average.

There comes a time in every person's life when they are sure they've been screwed (on an exam, what else were you thinking of). If there is a legitimate reason for doing poorly (stupidity doesn't count) take a short walk to the faculty office to get a petition form. Petitioning is free (unlike most faculty services) and they can save your marks. Note, the best way to get your petition accepted is to regurgitate the lectures or your stomach on the exam.

Meaning of Frosh Part VIII
Promotions, Probations and Failures

If you pass with flying colours, congratulations you have upheld the engineering tradition and you will boldly venture forth promoted into the next semester. If you pass with crawling (i.e. monochrome) then you're probated into the next semester and your next screw-up will be your last in engineering. If you don't pass with any colour then you fail (you're nothing but an artsy).

ENGINEERS RULE THE WORLD
Beware the Keener

It could be anyone. They dress like us, look like us. They're in our lectures, Keener characteristic on a person, fill our tutorials and our labs. They are a up a box. Or, if a known Keener asks a danger to engineering students every-question in class, fill up a box. You where. They can and will disrupt the also get one free box if you identify the bell! If found, they must be destroyed! Keener by name. If a person’s card has (ominous music crescendoing in the been filled up, to obtain bingo, that person must ask a question in class using the word Keener.

Uncovering the Keener:
1. Brings textbook to class
2. Sits in front two rows
3. Brings tape-recorder to class (not a walkman)
4. Brings video camera to class
5. Knows prof by first name
6. Often dines with prof
7. Points out theoretical errors of prof’s notes
8. Can carry on meaningful discussion with T.A.s
9. Solve problem sets within an hour
10. Can read a prof’s shorthand
11. Recites textbook in class (some times referred to as a parrot)
12. Has tantrum if displaced from first two rows
13. Thinks Eng Sci is easy
14. Pays attention to prof
15. Finishes labs early
16. Completes assignments by themselves
17. Gets good marks before the bell
18. Has groupies who want his notes
19. Often beaten up in dark alleys
PLACES TO HANG...

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, Partyng, and Sleeping.

...EAT

MARRIOTT

Marriott is the company which owns most of the cafeterias on campus. (Can you say "monopoly", boys and girls? How about enforced marketplace, to Friday. You can buy a meal plan here competition, free enterprise, capitalism, that will give you a selection of entrees, ... On second thought let's save this dis- as well as soup, salad, juice, milk, etc. cussion for our economics courses, shall they use a meal ticket system also so we?) After you eat your first meal here, that if you have too many or too few as you will probably be looking for alternati- the year comes to a close, you can barter
e. (Actually, you will probably with someone else. The meal tickets are barf first.) To top it off, the crap is WAY also good in the Arbor room for break-
overpriced. Correction. The stuff would fast and on week-ends.

The Great Hall is the main cafeteria. It is open for lunch and dinner, Monday

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 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 Arbour 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.

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.
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 its 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 bad 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 partiers who have gone through in the past. The 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 about eleventy-billion other restaurants. Come true! Yeah, right. This would be a But this will give you something to start nightmare to Freddy Kreuger. Not much with when you go looking to replace the needs to be said about these. Getaways MerryRott burger you just puked up 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 weekend 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 Skule. I'm not mentioning.

...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 good 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.

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 hear 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 entertain-
ing as the music. Second floor is what-
ever is the pop scene when you get game to play is to pick a 3-digit number
there. (Its 'Dance' right now, but that out of your head, then order the beer that
could change in a week) Third floor is a corresponds. The crowd here varies,
sitting room with light background mu-
completely at random, from 20 - 200
sic where people can just sit and talk. In people, and prices are good. They also
between the 1st and 2nd floors is the
have food earlier in the evening.

XXX room. Alternative/ gothic/indus-
trial 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 enter-
tain in the XXX room. Wednesdays are
Depression Wednesdays: $2.75 for
cover and the same for beer and high-
balls. 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.
Psychedellic 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, cour-
tesy 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.

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 fea-
ture 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/Indus-
trial/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/bo-
hemian section of the city. Artists on the
sidewalk sell jewelry, clothing, paint-
ings, etc., as well as provide musical en-
tertainment. 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 yuppe 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.
(i.e: You could have seen the Leslie Spit
Trio perform here about four years be-
fore anyone in Chicoutimi saw them on MuchMusic.) The live music places are The Rivoll, 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 Roberts, 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 can be a bad point also). The big bad purchase a full (19 meals per week) meal point is that they are filled with frat peo- plan at the Merry Rott cafeteria. A large ple. Frat people are inherently intoler- number of these meals will never be able by definition. To be in a frat, you eaten so your money was wasted. The have to be arrogant and elitist. People food is also shit (see ... Eat, above). who aren't in your frat aren't as good as Another drawback is that you usually you, and people who are in no frat aren't can't stay beyond two years, although any good at all. You can't go to frat par- many don't want to anyway.

ST. MIKE'S - Men

ST. JOE'S - Women

LORETTO'S - Women

These residences are part of St. Mi- chael’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 any ways.

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, shar- ing living room, kitchen, laundry, and bathroom facilities. You’re basically liv- ing in an apartment with five room- mates. Price is okay, and it’s right beside campus (Bloor and Madison).

FRATHOUSES

These have their good and bad points. They can be quite cheap, if run- down, and the social life is wild. (This

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 lounge. Of course, you can always tell them you were at school all night work- ing 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 Frosh week, I’m pretty easy to find. (I’m in the center of all the people singing).
STUDENT SERVICES

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

As you've already noticed, or will help you stay in engineering so if you notice sooner than you wish, you pay have a legitimate reason for doing not-for "incidental fees" with your tuition so-hot, you should hand in the petition payment. These fees go for all sorts of as soon as possible. It should state the things but some of it goes for Campus problem (e.g. illness) and how this ef-Services (you are paying for it whether lected your academic term. If you have you use it or not) so you might as well more questions, contact Pierrina or your get out and use them. As a result, the academic calendar.

9T6 F!ROSH HANDBOOK presents to One of the greatest services offered you a list and simple description of in Engineering is the ENGINEERING some of the services available to you as SOCIETY. Since part of your fees pay a student at the U of T, and the Faculty for it, become involved. There are many of Applied Science and Engineering, activities to choose from that will surely For more information on anything in fulfill your need to have lots of fun and here, or to find out about something that you will also get the chance to meet lots is not in here, your best bet is to call the of great people. There is a whole sec-Eng Soc (978-2917) for anything in en- tion of this handbook dedicated entirely gineering, or call SAC (978-4911) for to the Eng Soc, so read it.

The last place that is designed to as-
For you, Pierrina and Dean Boocock DON'T buy your books there in first are two of the most important people in year. The Engineering store has all the your first year here. Pierrina is the lady books you need for first year (and us in the First Year Office who will help second years have books that you can you decide what course changes to probably buy for a discount price.) Take make to your schedule to ease your way one piece of advice: do NOT buy your through the hard times in first year. books until you know from your prof Dean Boocock is in charge of first year what text books he will be using. The studies. If any major problems plague Engineering Store is located in the you during the year, he is the man to basement of the Sanford Fleming see. He will try to help ease your trou-Building, near the atrium (the place bles and make life a little easier. where everyone eats, buys lunch or The Student's Records Office is hangs out in when they have no where where you go to make final adjustments else to go.) to your schedule, get transcripts, copies One building that you may visit fre-of exams and petitions. For those of you quently is the Koffler Centre, at the cor-who do not know what a petition is, it is ner of St. George and College St. This a document stating the reasons why you building houses many facilities such as did poorly on a test, exam or on your the Health Centre, (you can go there overall year. If you had emotional prob- when you're having health problems; lems due to roommates or family prob- they have many doctors and you can go
there with or without an appointment) should do with it. SAC has other serv-
Caree centre (where you can go to ices as well so go there and check it out.
find a part-time, full-time, or summer. Last year there was a program
job), Housing Services (for those who known as WALK SAFER. It exists to
are not in rey and want or need a place help students get around campus after
to stay to get away from their parents). hours, by escorting students where they
the Book Store (where you can find all wanted to go. In the fall dial 978-SAFE
sorts of books at prices more expensive to see if they have received their fund-
than the engineering store), the Coun-
ing and can still provide the service
selling Services and in case you need to If during the course of the year you
talk to a shrink, many professionals are run into some problems with the law,
on hand to help you out at the psychiat-
there exists a Legal Services Office.
cric services office in the Koffler Centre. You can go there to seek advice on le-
This is just naming some of the stuff
gal matters and they might even be able
to represent you in court, if need be. So
they have there!
The Athletic Centre, at the corner of if you do get in trouble with the law,
Spadina and Harbord is there for all it's worth your while to go there and
your sports needs. First you must get see what they have to offer. Their num-
your student card validated with a ber is in the telephone directory in the
sticker (get the sticker at the AC) then back of this book.
you may partake in many activities such There is an International Student's
as running, swimming, tennis, basket-
Centre on campus as well. It is located
ball, or you can even learn how to on St. George near College St. They of-
dance.
Next, there is Hart House. It has ath-
etic facilities (including a swimming about living in Canada. They have an
pool, and shower in case you have to International student advisor on hand to
stay at school one night) as well as li- help you out. They also sponsor a num-
beries, debating rooms, a dining hall ber of social programs. If you are an in-
and a pub (just to name a few). A few ternational student, or even if you're
clubs on campus also meet there. Hart not, go there and see what they have to
House really is a great place to go to offer.
and take advantage of. It is open from One last item of interest is the Col-
7am to midnight every day, and there is leges Writing Labs and Math Tutoring
a hall porter to tell you all about what Centre. If you need help, find it as soon
Hart House has to offer so you don’t act as possible; it will help you to survive
like a dumb F!rsh!
In front of Hart House, there is a lit-
tle building with a dome on top. This is I hope that this little tour of the fa-
S.A.C., the Student Administrative citites on campus has helped you. (It
Council, SAC has many services to pro-
better have! I spent hours writing it!) vide, including an insurance plan where (And I spent hours editing it - ed.)
you can get reimbursed (in part) for pre-
Good Luck Next Year!
scription drugs. Go there with your re- NOTE: There will be a lot of info on
ceipt from the drug store, and ask one student services in your F!rsh kit. So
of the people behind the desk what you read through your F!rsh kit!!

U of T Engineering
THE FROSH HANDBOOK TO EFFICIENT DART-MAKING

Nick Dinadis
ENGSCI 9T4

Preparing the Dart:
Take a plain, ordinary sheet (problem set paper works wonders) and tear it into five equal rectangular partitions. Place edge AB (see fig. 1) parallel to your body and place your left hand underneath corner A. With your right index finger and thumb, pull gently on corner A in a rolling motion, in order to create a conical shape as in fig. 2 (if you’re a leftie, just reverse the above instructions.) Continue doing this along the length until it looks (and feels) right. You have now almost completed preparation. At this point, make sure you roll the dart in your mouth a few times, keeping in mind that the more you lick it, the harder it gets. Don’t feel bad if someone else’s dart is bigger than yours. After all, it isn’t the size that counts, it’s how tightly it fits in the tube!

The Tube:
The tube is very easy to build, and yet without a well shaped tube, your chances of success decrease exponentially. With this in mind, lay a piece of paper flat on any surface, and apply a gentle rolling motion to it. Be careful not to squeeze it too much, as you may damage it. Now you’re ready to go on to the final and most exhilarating part of dart origami.

Dart Launching:
Insert the dart into the tube, being careful not to force it too much. If it doesn’t fit, fiddle around with the tube using your finger. It may be necessary to lubricate the inside of the tube to prevent the edge from bending. Raise the tube to your lips, with your tongue just touching the rear of your dart. Take a deep breath and blow into the tube while removing your tongue to get a lot of pressure. You may have to blow the dart a few times before it will properly eject from the tube. Since it can be dangerous to blow your dart at a complete stranger, you may wish to test it out on some of your closer friends at first. If you fail in your first attempt, don’t worry as it sometimes takes a while to do it right. Try aiming at the ceiling in the Atrium to see if your dart can hit it.
If you can't get it up, lean back and anyone else use your tube, as you blow a little harder. Watch that you might catch some unwanted germs. don't blow to hard, though, as your dart may explode. After a few shots you and never use their dart, as they will may discover that your tube is warn out definitely get upset. There is just one so you will have to find a replacement. last point to be made. If a tube isn't But be careful and don't just pick up available, you can always toss your dart any tube off the street since you don't around with your hand, but make sure know where its been. Also, don't let you use your stronger arm.
F!ROSH ANTI-CALENDAR

Jorge R. Assuncao
Chem 9T4+1
Emily Labrakos
Mech 9T5

You know that official looking book they gave all you F!rosh describing the courses in a posh manner? Well, that calendar tends to avoid the real issues and circumstances. So being the considerate upper classmen/women, we’ve decided to bless you with a down-to-earth description of some of your courses. (Sorry we don’t have more insight into more of the courses but this is the first year most of them are being offered. Ed.)

CIV100F
Applied Mechanics
Don’t be mislead by the course title, there’s nothing in this class having to do with automobiles. However be prepared to spend many hours with free bodies and their stress points caused by thrusting members. Problem sets will improve your performance.

MAT186F
Calculus I
For those of you with a strong command of the world’s 500 dialects, you should do well in this course, particularly in classes where profs and TAs don’t necessarily spoke good Canada.

MAT188F
Linear Algebra
Your skills as an aviator will be highly developed in this course.

CHE112F/S
Chemistry
The birth place of Jules per Mole.

APS100F/S
Computer Fundamentals
They say the third time around is the charm. Beware: The solution programs in the text don’t work, go figure!! (I should know, I copied them.)

CIV135F/S
Graphics
These two lines are parallel, yeah right; that’s why this course was canned.

MAT187S
Calculus II
Simpler than Calculus I, only its half the fun. If you got through Calculus I then there’s clearer skies ahead in this course.

MEC100S
Mechanics II (Dynamics)
There’s nothing dynamic about this course. The moment of inertia provides torque to your angular momentum which will improve your period of gyration.

ELE110S
Electrical Fundamentals
OH JOY, OH JOY. Wax your surf board and get ready to ride the bell curve in this course.

Good things happen when the chemistry is right.

Hoechst Canada Inc.
100 Tempo Avenue
Willowdale, ON M2H 2R8
Tel.: 497-4700
KNOW YOUR HARD HAT

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, shock-proof, mystically powerful hardhat. A hardhat is the Skuleman's most valued possession, surpassing even his calculator or Metropass.

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

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

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 Skule™, 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 SKULE™ 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 Skule™.

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

Fluorescent Orange: These noticeable hats designate the bards of Skule™. Only the most talented and responsible members of Skule™ 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 Skule™ 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 Skule™
Nite, The musical Comedy Revue.

Yellow: The colour worn by all other Skule™ men and Skule™ women. While not a badge of office, it does signify the Skule™ man'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 Frosh get your hard hats, it is pure and virginal. However, you must remember that an undecorated hard hat is the sign of a Frosh 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. Epoxied 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.

![Cartoon of hard hat decoration]

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HIERARCHY OF SKULE™

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

If THE MIGHTY SKULE™ CANNON is present, it must be protected at all costs. If the Skule™ banger is not present, then the Engineering flag comes first. The braid also needs protection, for it is indeed difficult to beat off (?) attackers with a $200 (or so) attack. So you will be prepared, this handbook presents a listing of the order of importance of Skule™ artifacts.

The Skule™ Hierarchy
(in case of emergency)

1. THE MIGHTY SKULE™ CANNON
2. The Engineering Flag
3. The Braid
4. Non-existant BFC Hardhats
5. Your Hardhat
6. You

...IF ALL ELSE FAILS, RUN LIKE HELL!

CHARGE

U of T Engineering
WHAT IS AN ARTSIE ?!

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!"

Artsy are people in the Faculty of one artsy like you'll like be able to like Arts and Science. They actually call identify like their speech patterns. You themselves students, but we don't, and get the idea! that's all that matters. They are veryYou can spot artsies hanging around distinguishable. Sometimes they wear the outside of Sidney Smith, in parks, shirts that say UC or Vic or other such malls, or anywhere other than class-things, or they wear jackets that say rooms. They have class something to ARTS or ADMIN but even if they don't the equivalent of an hour every other wear such identifiable clothing, it's week. If you see one of these creatures, generally easy to tell who they are. For continue walking in the same direction. instance, they don't carry around many Their favorite TV shows are books, "cause artsies got no class. So you won't be seeing them lugging gameshows in the mornings and Oprah in the afternoons. You see, they, unlike around a 200 ton nap sack. Second, they you, have time to watch TV 'cause art-talk like artsies. After like meeting like sies got no class!
TYPICAL ARTSIES

Dan Rivaud
Eng Sci 9T5

Artsies don’t do to class, but their tape recorders do. In a class of several hundred, each Artsy will set his own mini tape recorder in a pile with several hundred others with the RECORD button pressed. At this point, all Artsies leave class as the prof comes in. The to be an arty just because he takes prof plays his lecture tape on his tape physics or chemistry. However, such an deck and also leaves. This is what hap- that he/she understands that being an ogy. Engineers, on the other hand, Artsy is a BAD thing.

Artsies have half the number of lec- ture hours, half the homework and dou- ble the time to do it in. Yet they still own next to his (on a keener front seat). If you ever see an engineer with a dreaded mini tape recorder, place your feel overworked.

If not told explicity, an Artsy, fooled by the format, will read a table of contents as poetry.

An Artsy’s idea of a technical report is a Haiku with numbers.

Engineers start with a killer course and then try to lighten it up with an engineer told you so.

one or two bird electives. Artsies start An engineer is allowed to have with a bird course load and then beef it up with one difficult course. Artsy friends, but must be embarrassed of that fact at all times (unless the Artsy happens to be of the other sex).
THE L.G.M.B.

INTRODUCING ...
Alan K. Teare
Brad Leeder

The World Famous, triple prize winning, quintuple record setting, school music and finger charts... and T.S.E. crashing, football field dashing, burn them! (or recycle, if you are so in- Alcool stashing, Red (read: Black) & clined. Next, go out and invest in a pair Blue Bowl thrashing, York Yeoman of ear plugs -- recommended minimum mashing, Oktoberfest bashing, Royal noise reduction rating of 11. York trashfling, Jumbotyron flashing, The Lady Godiva Memorial Band, fountain splashing; Shinerama walking, more affectionately known as "The Scavenger Hunt hooking, Chariot Race Band", is a fun-loving group of (but not clocking, hockey game socking, stealth limited to) Engineering students who Brad stalking, Grad Ball rocking, Con realize that U of T spirit is sadly lacking Hall shocking, Speaker's Corner talk- considering the number of full-time un- ing, imposter band mocking; SkyDome dergrad students who attend. It is the cruising, Pig-bag fusing, Varsity Blues- LGMB's responsibility... nay, ... moral ing, referee accusing, rum and coke (moral?) responsibility to carry the oozing, Hart House Farm carousing, burden for all those students who do not College Mascot Award losing, Swiss share the same enthusiasm for our Alma Festival boozing, followed by New Mater (Latin for "Almond Mother" Varsity Diner snoozing, talent diffus- ing, ear-drum bruising, music abusing, which is probably why Latin is a dead Iron Ring perusing... Eaton Centre - CN Tower - Roy Thompson Hall - Scarborough RT-SkyDome - Pratt Building - Subway Opening... AND Subway Closing... LADY GODIVA MEMORIAL BAND MARCHING GREGORIAN CHANT SOCIETY AND WHITE NOISE BRIGADE!!

Welcome, you poor little innocent F'rosh. Welcome to a world of endless problem sets, research assignments, labs and... exams!

(there are no such things as "tests" here!) So before you fail out or go in- sane, allow me to offer you some advice: join the LGMB; it's your only hope for survival. It will allow you to release some steam and develop your social interactive skills. Many great people have been members of the Lady Godiva Memorial Band. It is a fact that many U of T presidents have gone on to become members of the LGMB. Okay, so we made them honourary members, but you can be the legitimate thing. The first thing to do is pull out your high

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language and why the Roman Empire Bnad event, and we will take care of collapsed and why courses like Defec- you from there. The Bnad will cover all tive Writing were developed ... but I di- costs that are incurred during the event gress.).

What are the requirements for join- are also copious supplies of free pop ing such a highly visible and ambassa- and BEvERages to all who participate. dorial collection of wandering bards? The first Bnad practice (there are Walk to a mirror and stare at the reflec- only two) will be held at Hart House. and if it blinks, you have fulfilled the Farm where we will distribute paper prerequisite for joining. This is in fact a with some dots and scribbles. I'm not very important requirement as on more sure why -- apparently it's a tradition. than one occasion a Bnad member finds We'll play some songs, allow you to himself or herself in a state of self-in- become familiar with the tunes and then duced ethanolic paralysis. If at any time collect the sheets of paper back, never this should happen to you, remember to be seen again until the next practice this rule:

2 blinks = "YES"
1 blink = "NO"

With that under your belt, you can as I do and just hum through the instru- feel free to join us and we'll be glad to ment. If you're interested in joining, come have you along, provided you don't act like an annoying goof.

Bnad events will be posted on the time as indicated on the Bnad Room Bnad Room door (straight ahead as you door and talk to anyone with a yellow walk into the Eng. Soc.). Come out to hockey shirt. The individual with the as many or as few as you want; an "C" on his shirt is the Bnad Leader. "C" nounce that you are present for the stands for "Chump" as he is responsible for covering the costs incurred by the Bnad, counting mountains of change from the pop machine and being present at every event to lead the Bnad -- he is to be ignored. Any- one else will actually know what is going on.

For those of you who don't want to join, you must buy a Bnad album, only $5 at the Engineering Stores. Nobody es- capes the LGMB, nooooobody!
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,
Ooh! Aah!
Q.E.D.,
Slip stick, slide rule,
Faster until
Pphitt U.C.!

MATHIES CHEER
We're gonna beat
We hope, we hope, we hope!

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

MATHIES CHEER
We're the boys from
We're the boys from
Trinity!

MATHIES CHEER
We're not rough,
We're not tough,
But boy! Are we sexy!

TRINITY CHEER
Crumpets and Tea,
Crumpets and Tea!

TRINITY CHEER
We've got to win the game another
We've got to win the game another
time,
time,
And for the Mosses I yell, yell, yell,
And for the Moore I yell, yell, yell,
yell, yell,
yell, yell,
And for the University I yell like hell.
And for the Albatross I yell I yell like
We're going to fight, fight, fight for
We're going to fly, fly, fly, for every
every yard,
eyard,
Circle the ends and hit the line right
circle the ice and hit the tundra hard,
hard,
And throw the enemy upon the side
And throw the polar bears upon the ice
(HIT 'EM HARD) RAH! RAH! RAH!
(HIT 'EM NICE! OOL! OOL! OOL!)

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BLUE AND WHITE
(U of T's school song)

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

Toronto is our University
Shout, oh shout men of every faculty
Velut Arbor Amo,
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!
RIPPERTEE, RAPPERTEE,
RIPPERTEE RAPPERTEE RREE!
TORONTO, TORONTO, TORONTO
VARSIY!
YAAAY TORONTO!!!

WEB-FOTTED
Baya bup bup bup bup bup bup bup bup bup
bup bup bup (3x)
Baya 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.
THE STORY OF
LADY GODIVA

Jennifer Staples, 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.

Regardless of why Godiva was chosen as our mascot, she is something that all Canadian engineering students have in common. Graduated 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/sing the Engineering Hymn, remember who she was & what she stood for. Because what’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, wise 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 youre 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 repeal 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 barred

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.

Corrosion Service Company Limited
369 Rimrock Road
Downsview, Ontario M3J 3G2

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

PRATT & WHITNEY CANADA
1801 Courtney Park Drive
Mississauga, Ontario L5T 1J3

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

An artsman and an Engineer once found a gallon can,  
Said the 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 have the Meds his Skule house when it was 94 years old.
The medics 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,

---EARTH SHATTERING KA-BOOM---

(SKULE TM 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 TM!!!

NOTE: Usually only the first two verses are sung, with chorus, followed by an earth shattering KaBoom and the Skule TM Yell.
HISTORY OF YE MIGHTY SKULE CANNON

Undoubtedly, there comes a time in man's life when lery was probably derived from it. The engineer was probably derived from the firing of the famous Atilliator Cannon. Possibly the engineer 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.

I: YE REASON FOR BEING

Why, then, is there a cannon? The answer is quite simple. Engineers have title 'Skule Cannon' were those in always been associated with noise, so 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 cannon were supposed to fire. Given to the man or woman responsible for maintenance of defence works and cannon would appear at Skule fes- weapons of war. The title was synony- tivities and also roar, and then mysteri-
ously disappear. The authorities unsuc-

cessfully attempted to track down this Gazette (sometimes called the Varsity, will-o'-wisp. In 1935, during a slave often called something else.) Naturally, auction the cannon was fired, on the this campaign was a failure, as would steps of the Old Red Skule "house be any appeal to an artists' honour. with such force that windows were On Feb. 13, 1945, UC Lit announced shattered. Once again it quickly and that the Cannon would be returned at covertly disappeared.

In 1936, a machinist working in of editorial passion called it 'dastardly Civil Engineering was approached by plot...a black infraction of civil property some Engineering Society repre-

gments. The Varsity, unbiased as usual, sentatives who unofficially wanted to said it was in keeping with the Good know if he would make them a cannon. Neighbour Policy. The hiding place, Recognizing the considerable risk he however, was discovered and the Can-

was taking, but also realizing the dan-

non was forcibly retrieved by a group of

ners of students' experiments with ex-

intrepid engineers.

inesives in a water pipe, he decided to explosive.

In 1949, 1077 Meds and Premeds help. And so he fashioned a 10" barrel armed with scalpels, tear-gas, thigh with a 6" bore from a piece of axe bones, trained white mice and a squad-

stock, and a base from a pillow block. ron of bomber pigeons attacked in a All of this was accomplished in the four screaming mindless mob. The battle hours immediately preceding the Sku-

raged back and forth, to and from, until, le "Dinner that evening. This secret realizing that they were outnumbered, too was well kept.

The design of this Cannon was a bomber pigeons finally made their mark tribute to engineering technology for it on three engineers and the Cannon dis-

was not only a devastating weapon but appeared into the Meds building.

it was equipped with built-in camou-

flag. It did not look at all like a can-

non, thus deceiving any would-be the missing Meds Society president, kidnappers.

Bob Hetherton, were calculated by a

Naturally, the unimpeachable ap-

federally appointed mediator. After a pearance and worth of the Cannon was few days debate, the Cannon was re-

irresistible temptation for anyone who turned, marred with a new inscription gazed in its direction, but especially to with read, 'Captured by MEds ST2, 3 the feeble-minded persons in the other Feb. 1949'.

On Christmas Day, 1949, there ap-

faculties.

In 1941, UC stole it but it was in-

peared on the doorstep of the Engineer-

stantly returned. In 1944, UC stole it ing Society, a beautiful new weapon again. With cries of war and plans for showing, excellent workmanship, en-

the elimination of the nuisance at the grave Skule 'Cannon'. It seemed north end of the circle once and for all, Santa had a close friend, a fine machin-

but lacking evidence to prove that UC ist working for the Department of Civil had stolen it, SPS (Ye Olde Engineering Engineering for a long time. In 1950, Society) undertook a restrained cam-

the Engineering Society honoured W.H. paign to regain possession. This ended Kubbinga with a scroll extolling his
loyalty, courage and good conduct and waited. In the morning, the Meds saw made him an honourary Member in Ye the light and returned the Cannon. Ancient and Honourable Company Of Sadly, in 1959, the scores of battles Ye Skule "Cannoneers with the rank finally took their toll and our faithful of Sergeant Artificer. Cannon had to be fitted with a new bar-

The barrel was machined from a rel. The new barrel was machined from cold rolled steel bar and had a 2" di- a stainless steel bar 12" long, a diameter ameter, 11" length and 6" bore. The car- of 2" and a 6" bore. The barrel was in-

riage had wheels and was made from stalled by Cannoneer Bill Riggs who heavy steel. The Cannon weighed also oversaw its construction.

20lbs. Later on the wheels and the bar-

rel were chrome plated.

One fall night in 1959, artsiies broke 1950 Cannon was immortalized by into the Engineering Stores in an at- placing it in the cornerstone of the new tempt to steal the Cannon. Believing it Galbraith building. The new Cannon was in a safe, the pushed the safe out a was formally fired for the first time on window and carried it away. However, front campus in the autumn of 1959 and their efforts were in vain, and only the many engineers and others' turned out leniency of the engineers kept them to witness the spectacular event.

from enjoying an extended vacation in It was next used in conjunction with Kingston, as guests of the government. the LGMB when the engineers literally

But where the artsiies failed, the stopped the Homecoming show for Meds succeeded by deceit, as in 1959, ten minutes while a presentation was the Meds once again made off with our made to an ex-skuleman. Needles to precious tool. To help publicize the say, the crowd (consisting mostly of Blood Donor campaign, the Skule M arts types) was green with envy at the Cannon appeared at the Blood Donor bold spirit displayed by the engineers Clinic. It had been guaranteed safe con but managed no other protest than a few duct, so the Cannon was without its feeble boos. usual armed bodyguard and was at-

tended by only two Skule M men. After noneer, the Cannon Guard was given a long battle, the Meds overpowered uniforms for the first time, based on an the engineers and captured the Cannon. idea of Dave Morrisson. The red hel-

We retaliated by kidnapping the meted Cannon Guard came into exist-

Meds Society president. They retaliated ence.

by kidnapping an engineer. We retali-

On Sept.23,1964, the Cannon was ated by kidnapping a Med, and so on fired in the Drill Hall at the engineering and so on. Finally, there were over forty Flrosh once by cannoneer Doug Mac- prisoners in the basement of the Sand-

ford Fleming Building, the engineers donald. Linda Edwards, a nurse from Toronto General Hospital, was injured arranged an exchange of prisoners. As in the right arm by a piece of undis-

an added measure of security, the engi

neers invaded the Meds building, re-

moved the cleaning staff, faculty treatment.

members and other debris and boarded Further activities were banned at the up the doors and windows. They Dean's request, pending a series of tests
to be carried out by Professor MacElroan and nary another drop of
blood, Skule had its Cannon back. The fact that an engineer had stolen
loading procedure. In October, a letter the Cannon was very embarrassing
claim damages on behalf of Miss Edwards 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.

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 em-
bargo. Just after New Year's, the tests were completed and a revised loading
procedure was developed. Black powder by virtue of its dependability and insen-
sitivity 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 secu-
rity, 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 engi-
neers took it upon themselves to restore the pride of Skule to its rightful own-
ers and tracked it down, all the way to UC in England. Don Munro (ex-ban-
dleader and Eng. Soc. president) and Fraser Dunford stole into Chapelle's

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 de-
cide 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 distribu-
tor wire to their bus.
With Skule™’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 Fl!rosh 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 Chuckles Blattberg tried, to vain, to the entire deed was exposed in The abduct the Cannon. One dark and Toike. Furthermore, at Vanneste’s stormy night when all the engineers suggestion, the Cannon Guard wore black hats and were safely tucked in their beds (during hard hats to show the engineers’ dis-pleasure.

In the beginning of 1982, our glorious cannon was called once again to YES A DRILL, tried to break into a prove itself. The first round of yet another gang bang was held during noneer would store our treasure. He did Godiva Week on a bitterly cold Front not succeed for he left the mutilated Campus, with contenders from Ryer-door opened. In his farewell speech, son, Devonshire House and some for the two-faced evildoer boasted of his gotten fraternety, all trying to wrest the deed. Retaliation is in the works. Since
the incident, Charles has been called a thieving group found out what hap-
"pretty dumb" and a "big dummy" by penned.
dated engineers.

The highlight of the 1989-90 season was the shoot at Grad Ball. A new world record was set as seven fire created, a Cannoneer was appointed in trucks responded to the boom at the keeping with the age old tradition. The Royal York. Awesome dudes!

During the 1990-91 Skule year, selection of the Cannon Guard, to do the Cannon was put into the care of the actual firing and the maintenance of the location of the Cannon when it is powerful prize. For the second year in a not in use.

row, SAC's hunger for power was expressed in a terrible plan to steal our is fired by a cigarette butt after a num-

holy symbol. Tim Costigan (the SAC ber of convenient verses of Godiva's Prez) led a conspiracy to steal the Can-

Hymn. For the firing, black powder is non during the homecoming parade, used and baking soda is used as wad-

Due to a leak in the conspiracy (Tim's ding. The Cannon Guards are the black boasting), the guard learned of the plot helmeted beings who are always long before homecoming. To deceive chained to the Cannon. To eradicate the enemy, the guarded went under- any ideas about stealing the Cannon, cover leaving the black coveralls and they are trained to kill at the slightest hardhats behind; the Cannon was fired provocation. A full Cannon Guard is as scheduled and disappeared before the 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 devis- ous means are em-

ployed whenever it is used.

U of T Engineering
DA' BFC

*dl*s D*x-*xr*hh
BFC Sorta S*ecre*ary

First uv all, LET's get som Thing strait. 'Dere is no such Thing az da BFC. 'Dere never waz and dere never will be.

Dere are also no such Things az Capers. Capers have nothing to do will da BFC. Dey are not late nite tactics to disturb Feeble-minded artsies. Capers are not usually illegal. Capers do not involve such activities az Hamering, Sawing, nailing, painting, borrowing, running away from da' meeses, and other engineering activities.

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

If you do not think you are not da' type for dese kinds of stuffs, den do not sign da' list dat will not be in Eng So- oops. Was I supposed to do Idis in columns?
CAMPUS COPS

Sooner or later (probably sooner), hammad LeBlanc on a report which you will find yourself face to face one ends up lost in the depths of the admin-
of U of T's finest, the Campus Cop; or stration anyway. (4) Tell them what you've done. As more affectionately, the Mickey Mouse.
The Mouse mentality is quite easy was mentioned before, Mice are afraid to comprehend, which is hardly surpris-
ing, 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 ter-
riified that something is going to happen (5) As a last resort give them a do-
during his shift, so if he can look the nut. Mice want to be like real police and other way he will (or perhaps walk the having a donut in their hand gives them other way). If you find yourself in such a sense of power. However, be aware! a situation, let him, a cornered Mouse Donuts are extremely addictive to Mice may become dangerous.
(2) Act innocent. Smiling and offer-
ing a cheery "Hi!" tends to scare them and again, and again . . . away.
(3) Give him your name. Mice are help being Mice, they need the job. supposed to ask for a student card but They can get really nasty at times, but will usually settle for a verbal reply. remember, the Metros do have full "Joe Skule™" is one of their favourites, authority over the campus and all it but don't be afraid to use your real takes is one call. But there is no real name. If they actually break down to need to worry since we wouldn't do file a complaint, a simple name such as anything illegal anyway . . . John Smith eventually becomes Mu-

U of T Engineering
SKULE NITE 9T3

Karri Parradi
Skule™Nite 9T3 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!!!

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 9T3 run?
Skule™Nite 9T3 will run from Wednesday March 10th to Saturday March 13th, 1992.

Auditions will be held in the middle of November. Watch for audition posters in the fall.
Writer’s Meetings will happen Just ’cuz...It’s a FUN thing to do, every Monday night at 7 p.m. in GB202, and they began in June.

WHO can get involved in Skule™Nite 9T3?
ANYBODY!!! Yes - even you!

HOW can I get involved in Skule™Nite 9T3?
You can play in the Band.
You can write skecthes.
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 Karri Parradi at 934-1786, Stage Manager Joe Bilaniuk at 536-5603 or you can leave us a message in the Skule™Nite mailbox in the Eng. Soc.

WHY get involved in Skule™Nite 9T3?
You can play in the Band.
You can write skecthes.
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You can help with Promotions.

You can phone Karri Parradi at 934-1786, Stage Manager Joe Bilaniuk at 536-5603 or you can leave us a message in the Skule™Nite mailbox in the Eng. Soc.
WATCH for more information during Orientation, and look for ads in The Toike Oike!

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

Director: Karri Parradi 934-1786
Stage Manager: Joe Bilaniuk 536-5603

Join Team Husky

Challenge yourself with a trans-global leader in injection molding technology. Today's markets are demanding better products and quicker deliveries; only with the best resources and personnel can companies expand.

With sales increases averaging 20% annually over the last 10 years, we are inviting recent graduates to discuss their career goals in engineering, computer sciences, and marketing.

Successful applicants will enjoy excellent compensation and development programs that are individually tailored to achieve your potential.

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Bolton, Ontario L7E 5S5
GOOD MUSIC, FUN, DRINK & FRIENDS.
WHAT MORE COULD AN ENGINEER ASK FOR?
SPECIAL EVENTS AND VELCRO WALL!!
WARM UP HERE BEFORE YOU GO OUT

THE LEGEND IS...

The Official Pub
Of the University
Of Toronto
Engineering Society

EVERY FRIDAY
3pm TILL 7pm
SANDFORD FLEMING CAFETERIA

Frosh Handbook 9T6
SUDS
The Engineering Pub

Ed Dobbertin
Dave Vendramini
Suds Managers

The Suds advisor

Dear Suds advisor,
I have yet to have my first beer. My mother says that no one else my age has "done it," either. But I have heard that lots of people in Engineering at UofT are doing it all the time in all sorts of places. Also I have my complexion to worry about. What should I do?
Insecure F!rosh
UofT Engineering

Dear Insecure F!rosh,
Talk to Dave or me immediately. Your situation is exceptionlly urgent, and we have assistance that we can only give you in the flesh.
Ed Dobbertin

Yes F!rosh, Suds is your official Engineering pub, and counselling and even talk to the Suds advisors! A great place to kick back and have a cool one. A place that will make the next 4 years of engineering a little easier to handle, and where, on occasion, you'll be able to pick up a little bit of wisdom, like this amazing example:

'Beer drinkers appear to be substantially healthier than either nondrinkers or wine and liquor drinkers, according to the largest study yet conducted of health differences among people who drink different kinds of alcoholic BEvERages.

"The survey of more than 17,000 Canadians found that people who drank beer regularly and in moderate amounts were healthier than people who drank other alcoholic BEvERages.'


It is therefore prudent for you F!rosh that love to have fun to come down to Suds every Friday afternoon. But if drinking beer is not your idea of a good time don't worry about it. That is not the only thing that Suds is about. We also have great bands and comedians who will be showcasing at Suds; don't miss the super amazing, absolutely incredible, super wacky, mind altering, gravity defying VELCRO WALL. Yes you saw it on Letterman, and soon it will be here for your enjoyment!!

In the sometimes wacky world of Engineering it's good to know that there will always be a place to go to meet friends and unwind, a place where you are always welcome. Suds, it's a legend, don't miss out.
P.S. Don't miss out on the great orientation blow-out at Suds: live Bands, beer, people. Make some new friends in the world's greatest pub, Suds!

P.S. Don't miss out on the great orientation blow-out at Suds: live Bands, beer, people. Make some new friends in the world's greatest pub, Suds!

P.P.S. "Six pints of bitter ... and quickly, please, the world's about to end."
Ford Prefect in The Hitchhiker's Guide to the Galaxy

THE CANADIAN COUNCIL
OF
PROFESSIONAL ENGINEERS
(CCPE)

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Ottawa, Ontario
K1P 5G3

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Fax: (613)-230-5759

U of T Engineering
A GUIDED TOUR OF THE ENG SOC OFFICES

Welcome to the Engineering Soci-comforts of home and even a pop ma-
ety (better known as the Eng. Soc.; pro-
chine and photocopier (you don't usu-
nounced "N-Sock"). Well you're not all have those at home, but you get the
exactly here yet, but will be as soon as I picture). All the comfy furniture are
tell you how to find it.
First, go into the Sandford Fleming
even a free bat-phone (see, just like
basement. Next look for the big yellow home!)
doors; they are almost always open. Directly ahead of you, there is a
Now we really wish to welcome you! door which has a bulletin board on it.
Directly upon entering you will find This is the room of the great Lady
yourself in the middle of a little com-
Godiva Memorial Band. For those of
room; it is actually bigger than you with or without musical talent, it is
what the map shows and has all the a great way to get involved. All Bnad
events will be posted on the door for all to see.) It belongs to our Administrative Assistant, Julie. When you need some-thing or want to talk to someone important going counterclockwise, is the EAA tant, ask Julie. She knows and does a lot.

The next door you will encounter thing or want to talk to someone impor-tant, is the EAA tant, ask Julie. She knows and does a lot. All team sports are organised more than we all know. She is always through this office. There is also an willing to help. (She works from 8:30 to 4:30 and sometimes beyond) This office also contains a laser printer and

Next, we find another room, (Julie's computer which you may use. ($0.25 a room) but we'll skip it for now. We'll page, $1.00 per 15 minutes.) Sign up on get to it later. The next room over is the the door. Within this office there is an storage room. They store things in here, other office, and this one belongs to go figure! Anything and everything is Andrew, the Prez. He does a lot of work found in here (Shinerama stuff, Suds in there, but he also has a couch, so stuff, (no, not the BEER) and anything don't be scared to drop by for a chat. else that needs to be stored.) In other words, nothing too exciting. Off too the to the Eng. Soc., we hope to see you all very often. This place will make your

The next office is the engineering years here all the more interesting, Communications office. (Eng. Comm.) to mention fun; take it from those who This is where the (in)famous Toike know. Oike is housed. Other publications, such as the one you are reading now, (the Flosch 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!)

Next is the officers' room. Or should that be the officers' office? Any way, in here lives Rich, our VP External, Chris, our VP Finance, Ivana, our VP Activities, and Caroline, our Secretary. They have a board room table in there so it is a small meeting room for the EngSoc as well. Many important and not so important decisions are made in this room, so whenever passing by, shhhhhhh. There was more information on the officers in the last few pages, so make sure to read it to find out exactly what the different officers do.

And last, but definitely not least, we come to the MOST IMPORTANT room of all. (The one we skipped be-
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 or herself with a water pistol
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...
AROUND THE ENGINEERING SOCIETY

The U of T Engineering Society is these meetings, they are most welcome the oldest formal engineering organization in Canada, and that’s something the debates and conversations as members we’re very proud of. If you want to be members of the Engineering Society. Times involved in anything the Eng. Soc. pro- and places of the meetings will be vides, and you do, it helps to know a bit posted in the Eng. Soc., so come on about the structure of the Society and down and join us at the meetings. Oh I about the people who run the place. So almost forgot, every year, usually in now I am going to attempt to explain it October, the Eng. Soc. holds it’s An- for you as simple as possible. Actually tual General Meeting. At this meeting the structure of the society is so simple every major decision of the year is 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 un- dergraduate engineering student are a other important stuff. So make a point member of the society and as a result, of coming out and putting your in two you elect two people from your F!rosh cents worth. You also get to exercise group to sit on the council (one is the your democratic rights! Eng. Soc. rep, and the other one repre- sents you on the Faculty Council as well as on the Eng. Soc.). Each of the representing the Society to the outside second, third, and fourth year classes world are: also have the same representation on the council. If you want to be a class rep, and there are certain advantages to being one (it’s fun and looks good on a resume plus other things of course) go to class for the first few weeks of executive Officer and he represents the school and watch for the Cannon (the Society on any official matter. Every newsletter not the KABOOM) for the thing and any thing that goes on in the time your class is going to have elec- Eng. Soc. is his business, so feel free to tions. Other than the class reps, the contact him any time of day. I didn’t Council includes the Prez, the VP’s, the say night so don’t go waking him up in Secretary, SAC directors, standing the middle of the night and blaming it committee chairs, Engineering Athletic on me. 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 mem- bers are all members of the full Coun- cil, but they propose things for the the title indicates, he deals mostly with council to consider. Each of the full external groups such as other universi- and Exec. Councils meet about once a ties, governments and other such stuff. month and even though people who are Any thing that has to do with the out- not members of Council can’t vote at side world is Rich’s responsibility. He’s

The President: Andrew Steeper. You’ve already read his welcome.

The Vice President External: Rich Petrushic. You haven’t met Rich yet. You don’t really see much of him because as a member, he’s about the ties, governments and other such stuff. Councils, Executive Councils meet about once a year. Rich’s responsibility is to deal with the external groups such as other universities and exec. Councils.
in charge of the Communications, Pro-
essional Development, Employment Soc. works. Caroline is the gal you’d
and High School Liaison committees, talk to.
among other things. If you have any
comment about anything external, go
talk to Rich.

The Vice President Finance:
Christopher (Chris) Barnes.

Anything involving money is
Chris’s business. He makes up the Eng
Soc budget, and then naggs everyone
wishes to join them, and joining them is
until they promise not to spend more a great way to get involved. To join,
than their fair share of Eng Soc’s simply seek out the committee chair, or
money. Eng Soc is actually responsible leave a message in the committee’s
for a lot of money, including the $100 mailbox in the Eng. Soc. At the begin-
levy fund each of us pay every year to
ning of the year there will also be a day
upgrade our equipment. This money is where all of the committee chairs
paid to each of the departments through among other people will be in the
the Engineering Society.

The Vice President Activities:
Ivana Strgac.

Ivana is the person who is orga-
izing this wonderful orientation you’re
going to have, so you’ll meet her at ori-
entation. Her job is to make sure every-
body is having fun while they are at
Skule ῥ. The Blue and Gold and Social and therefore represents all first year
committees, and Suds (the Engineering
Pub) are all her responsibility. If you
want to talk about the fun aspects of
Skule ῥ, Ivana’s the person you talk to.

The Secretary:
Caroline Zywulco.

Caroline keeps records among other
things. I don’t mean the kind with the
music on it, I mean sort of like transac-
tions. 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

OK. That’s the officers of the Eng.
Soc. Now I’ll tell you about the stand-
ing Committee chairs. All of these com-
mittees have a little write up in this
handbook, so read on to find our about
what exactly it is that they do. Every
Committee is open to anyone who
wishes to join them, and joining them is
until they promise not to spend more a great way to get involved. To join,
than their fair share of Eng Soc’s simply seek out the committee chair, or
money. Eng Soc is actually responsible leave a message in the committee’s
for a lot of money, including the $100 mailbox in the Eng. Soc. At the begin-
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attendance and minutes at the meetings.
If there’s something you’d like to know

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,
their committees, and Suds (the Engineering
Pub) are all her responsibility. If you
want to talk about the fun aspects of
Skule ῥ, Ivana’s the person you talk to.

The Secretary:
Caroline Zywulco.

Caroline keeps records among other
things. I don’t mean the kind with the
music on it, I mean sort of like transac-
tions. 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
Recycling Committee Chair:  
George Vujvonic.

Executive Faculty Council Representative:  
Bernadette Comisky.  
This is not a standing committee but rather a committee whose members are the Faculty Council Representatives.  

Executive SAC Representative:  
We are not quite sure who this person is yet. We have had difficulty locating him/her/it. 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 writeups in this handbook so read on to find out well, (Class reps, Skule*nite people, etc.) but there is not enough mailboxes in the Eng. Soc. in case you room here to mention everyone. Ask a senior who to talk to if you want to get involved in something specific.

Engineering Science Club Chair:  
Derek Plansky  
Chemical Club Chair:  
Paulie Radpay.

Electrical Club Chair:  
Laura Baaldassare  
MMS Club Chair:  
Henri Costa

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:

Suds Managers:  
Ed Dobbertin & Dave Vendramini.

Toike Oike Editor-In-Chief:  
Aviv Gladman.

LGMB Leedurs  
Senior - Alan Teare  
Junior - Joel

Drum Major - Joe Aquinaldo  
Drum Minor - Brian Scholz

There are a bunch of other people as in this handbook so read on to find out more about them. They all also have Ministers, etc.) but there is not enough mailboxes in the Eng. Soc. in case you room here to mention everyone. Ask a senior who to talk to if you want to get involved in something specific.

Engineering Athletic Association  
President:  
Linda Kudo.

Civil Club Chair:  
George Millis

Geological and Mineral Engineering Club Chair:  
Chris Hiscock. (That is his real name!)

Mechanical Club Chair:  
A bi-election is to be held in September to fill this position which suddenly became vacant after report cards were issued.

Industrial Club Co-Chairs:  
Selina Maadesen  
& Anne Fraser

U of T Engineering
COMMUNICATIONS

Nick Dinadis
Communications Chair

Godiva was a lady who through Coventry did ride...
We are, we are, we are, we are, we are the Engineers...
Toike Oike, Toike Oike, Ollum Te chollum Te chay...
Hey there pre-frosh! Get to know these fine tunes really well, because you will be needing them (at least for the next 4 years). They will be invaluable to you - yes even more than textbooks!!! So get started, memorize them, sing them in your sleep, sing them to your friends, to your neighbours and to your kin. Don’t be shy, because come September, you will be singing them to Toronto! Aside from singing though, we in the Engineering Society of the U of T are also very proud of producing many fine publications such as the handbook you are now reading. But wait! There’s more! We produce the Yearbook, the Calendar and the infamous Toike Oike, which you have all undoubtedly heard of. Just think, all this and you don’t even have to buy a Ginsu knife! So while you shattering glasses singing, get out your favourite pen (or pencil) and start writing articles - no, no, make that FUNNY articles - for this year’s Toike Oike. And when you finally get here, don’t hesitate to sign up for anything (i.e. the Handbook, the Yearbook, the Toike Oike etc.)

-You will be needing it!

WE’D LIKE TO SEE YOU AFTER SCHOOL.

Since 1922 when the Noranda Group of companies began, we’ve grown to over 52,000 employees worldwide.
We provide a leading edge work environment in the natural resource industry: mining and metallurgy, forest products, energy and manufacturing. We employ chemists, computer scientists, engineers, geologists, accountants, economists, marketers and more.
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Our most important resource is human.

Frosh Handbook 9T6
Welcome one and all Flrosh to our networking, brainstorming session, beloved Skule\textsuperscript{th}. You might be wondering—food free-for-all, general chaos.) So coming as to the nature of this thing that we now that you know about it, you have to call the Toike Oike. Well, it is your official voice. Not the thing that comes about working on this very noble publication, but the stuff that comes out of your mouth, but the stuff that comes out of your mouth, and out onto a the three darkroom trolls. Plus all the piece of paper (preferably on disc) that people who are supposed to be slaving will contain the many funny and inter—over the many articles I was supposed esting articles that other people can en—do over in this summer and didn’t. (guilt! joy, not just engineers, but anyone guilt!) So come one and all, and drag around the campus who so desires to along an upperclassman, there’ll be pick up a copy (price: NOT!), even an plenty of beer and pizza, but you gotta come first.

This is a formal invitation to all you P.S. If you help out, you’ll get your out there to come and join the inner name in print. It’s a great feeling seeing workings of this highly prestigious offi—
THE BOOK OF SKULE

LAYOUT EDITOR: MARTIN BONERT
righting etidur: kurt breede
HELP US RECORD HISTORY. why you little... WE WILL GIVE YOU THE OPPORTUNITY TO WORK FOR US. bastard!!! THIS YEARBOOK MESSAGE TO ALL THE BOOK WILL ONLY BE AS GOOD FROSH OUT THERE. umm...hello? AS THE PEOPLE WORKING ON IT, HELLO AND WELCOME (MAYBE, I come on man, just one little opening? HATE "NOT") TO ENGINEERING. WE HOPE YOU'RE GOOD excuse me! THE SKULE BOOK IS A ENOUGH. please? THE FIRST SEPARATE ENGINEERING YEARBOOK. can...um...could i just say someth... WE WILL BE RECORDING AT 17:00 (5 pm) IN ENG. SOC., BE HISTORY AS IT OCCURS THIS THERE! hyyiiaaaa!! finally. okay... YEAR. martin, do you mind? WE HAVE THE POWER TO CHANGE HISTORY. dammit man, get thee done!! WE WANT YOU TO HAVE THE POWER TOO. aarrrghhh!!! TO DO THIS YOU MUST JOIN "THE YEARBOOK COMMITTEE". what did you call me!? WE WANT YOU TO

YOU KNOW OUR PRODUCTS. NOW GET TO KNOW US.

You know us best for our household brand names. Kleenex* Huggies* Scrub* New Freedom* Delight* We are Kimberly-Clark, an international company whose growth has been based upon a commitment to quality in everything we do...a commitment to improving and working with our customers and suppliers...a commitment to our people.

We need people to grow with us...
- People in engineering, marketing, finance, computer science and other key areas.
- People who are challenged by responsibility.
- People who can contribute as key members of decision making teams.
- People who expect recognition and personal fulfillment from their work.
- People who will take the initiative to get to know us better. someone like you.

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Human Resources Services, 93 Bernam Avenue, Suite 301.
We are committed to equity in employment.

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HELP US RECORD HISTORY. why you little... WE WILL GIVE YOU THE OPPORTUNITY TO WORK FOR US. bastard!!! THIS YEARBOOK MESSAGE TO ALL THE BOOK WILL ONLY BE AS GOOD FROSH OUT THERE. umm...hello? AS THE PEOPLE WORKING ON IT, HELLO AND WELCOME (MAYBE, I come on man, just one little opening? HATE "NOT") TO ENGINEERING. WE HOPE YOU'RE GOOD excuse me! THE SKULE BOOK IS A ENOUGH. please? THE FIRST SEPARATE ENGINEERING YEARBOOK. can...um...could i just say someth... WE WILL BE RECORDING AT 17:00 (5 pm) IN ENG. SOC., BE HISTORY AS IT OCCURS THIS THERE! hyyiiaaaa!! finally. okay... YEAR. martin, do you mind? WE HAVE THE POWER TO CHANGE HISTORY. dammit man, get thee done!! WE WANT YOU TO HAVE THE POWER TOO. aarrrghhh!!! TO DO THIS YOU MUST JOIN "THE YEARBOOK COMMITTEE". what did you call me!? WE WANT YOU TO
THE CANNON

Ceylan (pronounced Jaylan) Goktalay
CIV 9T4
Editor

Welcome to all you dumb Frosh. This is your not very friendly Cannon if you feel you have information other students may wish to know, leave a formal newsletter of the University of Toronto Engineering Society. I've read (in an older version of the Frosh handbook) that the Cannon used to be an actual newspaper. Of course that was before the Toeke took over Eng. Soc. Now the budget is sooooo small that we can only print a few copies, so they get put in mailboxes of Eng Soc reps. (about every two weeks or so a new Cannon comes out.) Ed's Helper) Hence, if you want to know what's going on in the Society, make sure you read the Cannon!

WE BUILD SOLUTIONS

Since 1882, Dominion Bridge has been building a reputation for developing creative solutions for a broad range of engineering challenges. Many of our projects, from the Royal York Hotel to SkyDome's retractable roof, are Canadian landmarks and tributes to engineering excellence.

Dominion Bridge has participated in nearly every Canadian mega-project since Confederation. Through structural design, specialty engineering and turnkey construction we build solutions across Canada and around the world.

Enjoy your orientation (In a month, you'll wish it had never ended!)

(Editor's Helper's note: Ceylan is not as unfriendly as she sounds. If you wish to help put the Cannon together, or if you feel you have information other students may wish to know, leave a note in the Cannon mailbox.)

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A United Dominion Company
2829 Sherwood Heights Drive,
Oakville, Ontario L6J 7R7.
THE ATRIUM GAMES GUIDE

Lillian Kulhanek, ELEC 9T?
(Graduation is optional)

Attention all Flrosh:
To obtain your Bachelor of Applied Science degree, there are certain technical prerequisites, not taught in the lectures or labs, that you must complete. These necessities of your Engineering life involve skill, strategy, and great mental effort. Only an elite few have mastered these strains of the intellect. Outlined below are the strenuous mental calisthenics you will be subjected to, if you ever want to become a 'real' Engineer.

CHESS: Originally a four-player game. I think it was the most popular game, this complex, highly cerebral card game when I was Flrosh. Easy to learn, fun to play. Almost everyone knows how to play. So easy, I won't bother explaining it too you. Motto: Pass up a bower (sp?) lose for an hour.

BRIDGE: This game was very mental effort. Only an elite few have popular a couple of years past. I know whoops! A bit of dyslexia there - are Godo and Verb, with their assortment of mental smurfs trailing not far behind. They hold annual chess tournaments in the atrium. Godo's the flip with long, history of the Atrium. Annual Brisc tournaments are held, once again, by Verb's the funny looking one. You can't miss them. They are obnoxious. They're crude. They're my friends. Played with Italian cards, the suits are suns, swords, cups, as cious rumor going around about Brisc then ace on down. One two overtakes having Philippino origins. There are a any single or pair. Two two's (not Ja- few decks circulating, but you are more cob) overtake any triplet on down (in- than welcome to bring your own. An cluding one two). There's more to the automatic way to meet people, yelling rules, but I'm too lazy to tell you. Just "I need another Brisc player" will bring watch the others.

The winner is the president, and he Mech's, jugulars pulsating wildly in an sets the hierarchy. The loser is the ticipation of this exciting cultural expe- asshole. For example, if I were presi- dent, and I were playing with four other NOTE: These games can be played people, I would rank them this way, in "full contact". Yelling obnoxious com- order of importance: Madam(me), Kept ments and performing deeds of minor physical violence are encouraged.
ENGINEERING ATHLETIC ASSOCIATION

Linda Kudo  
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, the EAA, are a group of about 25 men and women who organize all Engineering sporting events and intramural teams. There are sports teams for men and women in Ice Hockey, Football, Soccer, Waterpolo and many others. The CO-ED sports we organize range from the usual garden variety like volleyball and basketball to the slightly bizarre like Walleyball. There are also individual and doubles sports such as Badminton, Tennis, Squash, and Skiing.  

BUT WAIT, there’s more! One Day Tournaments, Weekend Tournaments at other Universities, Awards, and a BIG Year End Bash! This is something you just can’t miss. Ask any Engineering Jock or Jockette and they’ll agree.  

At the end of the year we hold the S-DANCE for all athletic participants. The evening is comprised of dinner, an awards ceremony and a dance. Usually, the night costs the equivalent of a couple of beers, pretty reasonable for a ticket to THE Social Event of the year. What engineer can resist a party?  

The awards are handed out based on participation and achievement. Awards are given out to Championship teams, the Most Valuable Player, the Outstanding Male and Female Athletes in each year and to the Department with the highest total points in the graduating class. There are two awards that are handed out that are based solely upon participation points. Those are the Chenille ‘S’ Award and the Bronze ’S’ Award. The Chenille ‘S’ is given out to those who have attained twenty points or more. This is easily attained within the four, or more, years that it takes to complete an Engineering degree.  

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. You can also leave a note with your name and phone number in one of the EAA mailboxes in Eng. Soc. 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 stop by the EAA office or call 978-5377.
BLUE & GOLD COMMITTEE

Brian Scholz
Blue and Gold Chair
GEO 9T4 (Rocks!)

In October, U of T Day with Homecoming runs wild across the campus. A major happening at the Homecoming is the Homecoming Parade (makes sense, Welcome, Frosh, to the world of U eh?). The first official task of the B & of T Engineering! We here in the Blue G Committee is to construct the Engineering and Gold Committee are working long neering Homecoming float; that, with and tiring hours to make your first year the help of the LGMB (see article) and the most fulfilling and rewarding it can a SURPRISE GUEST, should capture be. This year, there is going to be a the Best Float Prize for an unpremultitude of fun and excitement, and a dented 193rd consecutive time!! Okay, level of spirit and enthusiasm that will it might only be the sixth or seventh overwhelm the entire university. So put winning occasion, but a little hype away your T-Squares, shelve those never hurts! Come out to this event to HPs, and hold on to your hard help build the float or just to watch the hats...HERE WE GO!!!
But wait, there’s more!! If you wanted to study hard in the beginning of January to make up for your disastrous first term - FORGET IT!!! As the second term of your F'rosh year descends upon you - so too does... (drum roll, please)... GODIVA WEEK!

Yes, a week of fun, partying, mad-cap mayhem, sheer bedlam, total chaos, absolute lunacy... need I say more? Events during this jovial jaunt in January include a Snow Baseball Tournament (snow permitting - go figure!), Godiva’s Quest (find the hidden treasure), a F'rosh Hardhat Competition, a T-Square Mini-Golf Tourney, Godiva’s Wake (a party above all the rest), and many more events to satisfy even the most keeneest of Eng-Scis. If you have to study for a quiz or do a lab report, then have no fear... SUDS will be open every day in Godiva Week!! But no Godiva Week would be complete without the most sacrosanct annual tradition in the history of SKULEdom™...

THE CHARIOT RACE

where each department, and you the F'rosh, brings one wheeled contraption of their choice onto the battlefield (be-knownst to all as Front Campus) to engage in an exercise that puts skill, nerves, and sheer brute force to the test. Talk to an upperclass(wo)man about this event...but don’t ask who is guaranteed not to win.

Besides Homecoming and Godiva Week, there will be other events co-sponsored by the B & G Committee in conjunction with SUDS, the Social Committee, etc. In short, there will be a lot of events to partake in - so GET INVOLVED in SKULE™!!!

If you want to help out in Blue and Gold, then sign up on the list posted in September. While you have your pen out, saunter over to the LGMB sign-up list and put your John (Jane) Hancock there too. The LGMB list will appear on the BNAD room door in EngSoc - Room SF B670.

Any questions, suggestions, or comments? Leave your name and number in my mailbox located in EngSoc - or ask someone to point me out in the Atrium or at SUDS.

Catchya later!

SOCIAL COMMITTEE

Selda Sharifi-Rad
A nobody who got sucked into doing this

The chairman of this committee is Andrew Hodge. We hope. I just happened to be around when they needed a write-up for this committee, and since I have been a member, I’m writing it.

This is the committee responsible for arranging road trips to different social places, i.e. to Kitchener for Oktoberfest, and other places. The Social committee also arranges social activities in Toronto for you to participate in.

The most important function of this committee is to organize Cannon Ball, the annual Engineering Semi-Formal. The Cannon Ball is sure to be lots & lots of fun every year, and it’s also interesting to see your otherwise sloppy friends actually dressed nicely for a change! Go to Cannon Ball (in January) you’ll have the time of your life.

If you have a knack for arranging social things, this committee needs you. Please forward your name and number to the Social mailbox in the Eng. Soc.

Have fun folks.

U of T Engineering
FOURTH YEAR COMMITTEE

Elizabeth Chong
Chairperson

Contrary to the misleading name, the Fourth Year Committee welcomes participation from the First Years. GradBall, a formal party for the graduating class, is one of the main events organized by the Fourth Year Committee. GradBall 9T3 needs ideas from recent high school formals; please don't hesitate to contribute your ideas to make this GradBall a successful one. Also, you will appreciate the experience when it comes to plan your own GradBall.

Your input on other Fourth Year events are also always welcome. Some of the Fourth Year Committee's other activities include:

- The Iron Ring Ceremony (see adjoining article)
- Grad Photos
- Awards Selection:
  - Best Prof nomination
  - EngSoc Award (First eligible: ask for details)
- Engineering Alumni Association fundraising

To be involved: Please sign the Fourth Year Committee list on the EngSoc bulletin board.

Four years of university slips by; value opportunities to make a difference.

Ford Electronics Division 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 locations, 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.

Our plans are ambitious but sound; our Managers seasoned and innovative. We prize initiative and innovative thinking, have shortened the lines of communication between top and bottom line management, and vest new employees with significant responsibility.

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.

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

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Ford Handbook 9T6
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 Skule, 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.
STUDENT’S ADMINISTRATIVE COUNCIL (SAC)

Farrah Jinha
SAC President

This article is supposed to familiarize you Engineering Frosh with your Student’s Administrative Council (SAC). First of all, you will need to know who and where they are. This information will be vital when you want to steal their door, or visit their offices. Farrah is the SAC President. Ferd is the Vice President. They received about 98% of the votes cast in engineering during the SAC Elections last spring. Engineers are close to their hearts and they will work hard to provide all engineers with a quality undergraduate experience. And good beer. Make a point of stopping by their 12 Hart House Circle offices. Get to know your SAC President and Vice President.

Why Engineers Like Farrah

Farrah likes SUDS
Farrah will keep coming to SUDS
Farrah will keep bringing her friends to SUDS
Farrah has a SUDS t-shirt with Bamberah Lincoln embroidered on it reprinted from the Toike Oike, March 31, 1992

A Day in the Life of the SAC President

8:30am Meeting with President Pritchard. Discuss scholarship programmes. Make appointment to have dinner together. Advise Pritchard on new faculty recruiting methods. (Have a beer).
9:30am Complete interview with Toike Oike regarding Nova Scotia premier. Continue to deny sleeping with Nova Scotia premier.
10:30am Attend Nobel Peace Prize Acceptance Ceremony and give thundering speech to a packed audience.
10:31am Wake up from dream. Throw pillow at alarm clock.
10:33am Climb out of bed. Sit in front of computer and put finishing touches on regular column in the Toike Oike.
10:56am Wake up from dream in cold sweat.
10:57am Climb out of bed.
10:58am Shower and mentally review agenda for the day.
10:59am Make trek to EngSoc to listen to student needs and concerns. Make mental note to order more beer.
11:06am Heavy rainfall begins. Make mental note of how lucky it was to leave umbrella at home or else it might have become wet.
12:11pm Arrive at SAC Office.
12:12pm SAC Office locked. Mentally note how lucky it was to leave keys with umbrella or else they might have been stolen.
12:13pm Go to borrow keys from other executive members.
12:14pm Other executive members on fact finding mission at SUDS.
12:17pm Gently pry open office window.
12:19pm Climb in carefully to avoid sharp needles of broken glass.
1:42pm Bleeding stops.
1:45pm Begin work on agenda for tonight’s meeting.
1:46pm Item I - New couches in President Pritchard’s office. Are they comfortable? Travel to Simcoe Hall to test his couches for comfort.
1:49pm Return to SUDS for an afternoon of intellectual stimulating
conversation and interesting company.
6:32pm Awoken by President Pritchard and asked to chair council meeting.
6:33pm Arrive at SAC council meeting. No donuts left. Mutter under breath. Mentally note how lucky it was to be late or else donuts could have transformed me into an EngSci.
6:34pm Call meeting to order.
6:44pm Call meeting to order.
6:45pm Engineering SAC reps take delivery of large moose.
6:46pm Call meeting to order.
6:47pm Moose passes gas.
6:47:04pm Meeting adjourned.
6:58pm Retire to SUDS to discuss urgent matters.
6:59pm Discuss LaBeer. Take LaBeer. Drink LaBeer.
8:48pm Take LaTaxi home.
9:12pm Front door locked. No key under mat.
9:14pm Take Lord’s name in vain.
9:15pm Take Lord’s name in vain.
9:16pm Break front window.
9:17pm Discover spare key in back pocket.
9:23pm Finish kicking door.
9:36pm Say goodnight, just before dozing off wondering whether there is a SAC front door and hope engineers paint the SAC Dome a nicer colour this year.

Farrah and Ferd’s Top Ten Reasons for Running for SAC President and Vice President

10. They can’t arrest you for stealing the door.
9. Get to run and win two elections.
8. Get to vote twice against OFS/CFS (WE SAID NO, WE MEANT NO!)
7. Have the opportunity to read 10,000 copies of the newspaper.
6. The varsity doesn’t like you.
5. The President gets a regular column in the Toike Oike.
4. The President gets to find out what sport humping is.
3. Free beer at SUDS.
2. Free beer at SUDS.
1. Finally get to fill out "Do you have a criminal record" section of a job application form.
HIGH SCHOOL LIAISON

Sadia Lone, ENG SCI 9T5
High School Liaison Chair

Welcome Flrosh to Skule™. You are soon to learn, if you haven’t already, that you have become part of a None of the activities require a lot of great tradition and have joined the best time and, believe it or not, it is fun to engineering faculty around. It is now up to us involved. You can participate in as to you to help save those helpless, un- many of the committee’s activities as knowing pre-Flrosh from falling prey to you like, so joining this committee is one of those inferior faculties or insti- very flexible and you have nothing to tutes. This is where the High School lose by doing so. If you’re interested in Liaison Committee comes into the picture- helping out or have any questions or ture. The purpose of the committee is to suggestions, just drop a note in my inform high school students about engi- mailbox in the Engineering Society Of- neering at U of T, and what an awe- fice.

some place it is, no matter how lovely a Have a great year and good luck!

mind-numbing place such as artsie-land can seem during exams.

Well, seeing is believing, so in order to save pre-Flrosh from any ill-fate, we bring them in to be a Flrosh-for-a-day. This is where high school students come to Skule™ for a day and go to class with a first or second year student in the discipline that they are interested in. It is a great chance for high school students to see what life is like here. This will happen in early November, before high school students have to fill out their application forms. Maybe some of you Flrosh came here as a Flrosh-for-the-day last year, or even if you never had the chance to visit before, this is your chance to seem all-knowing to some innocent pre-Flrosh this year. Other events that this committee also participates in includes U of T day in October and any other day that the Faculty Office organizes.

Flrosh Handbook 9T6
ESSCO/CFES

ESSCO/CFES LIAISON-Brian Campanotti (ELEC 9T3)

The two most important student organizations that represent your views (aside from the ALMIGHTY Eng Soc and the totally clueless SAC) are ESSCO and CFES.

ESSCO (Engineering Student Societies Council of Ontario) is to engineers what the Provincial government is to residents of Ontario (welllll...not that bad I guess...). ESSCO is a totally student run organization where the 13 engineering schools in Ontario have 1 vote each regarding the policies and practices of the organization. ESSCO DOES NOT TAKE POLITICAL STANDS! It is an organization that is concerned with the quality of education in Ontario, student societies' conduct, PARTYING (of course!), special events, etc. Ever since ESSCO was formed about 5 years ago, it has been slowly gaining strength as a worthwhile organization for Ontario engineering schools.

CFES (Canadian Federation of Engineering Students) is to us what the Federal government is to the citizens of Canada (and no GST!). It is the only unifying body for all the engineering students across Canada. Again, CFES is a totally student run organization that was formed about 24 years ago to reflect the brotherhood (sisterhood?) felt by engineering students across Canada. CFES does not really take any political stands unless they directly effect the students the organization represents. CFES is a forum that allows each of the 39 engineering schools in Canada (hmmmm...1/3 of them are in Ontario eh?) to express their views and beliefs on a variety of topics ranging from Godiva to underfunding to beer.

Up until last year these organizations were not officially represented on our executive council. As VP External this past year (and VP Education of ESSCO the year before that) I was always aware of the importance of these two organizations to engineering students in Canada. I formed the ESSCO/CFES Liaison executive position this year to make sure that a constant communications channel is kept open and that the students at Skule™ are properly represented at these two levels.

If anyone has any questions about either of these organizations or anything that they feel should be voiced at either of these forums, feel free to drop me a note in the ESSCO/CFES Liaison mailbox right beside the Coke machine (at the bottom of the first column) in the Engineering Society offices (behind the cool yellow doors) or by email at cces@ecf.toronto.ca.
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 the guy with the cold always sits directly behind you.
* 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 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!!!
ONTARIO ENGINEERING DESIGN COMMITTEE

Brian Campanotti
Elec 9T3

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 advocate 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.

v) Extraneous Debates - a team of 4 (or 5?) debaters are given a topic just prior to the start of the debate to debate the topic against another team. No experience required.

- 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.
ENGINEERING LIAISON

Terry Johnston
Engineering Liaison Coordinator

Although you are just beginning your Skule™ career, graduation is not far away. Believe it or not, first year engineering students need to plan for employment opportunities. We also put out a newsletter (watch for it) and articles (in the Toolk) full of information about engineering employment. If you begin working on opportunities now, your career chances of landing that all-important job after graduation. is greatly increased by the time you are finishing your fourth year.

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 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 Centre. The current economic climate is making the job market challenging. We have worked to increase the number of permanent and summer opportunities available to U of T engineering students. To make employment opportunities available, we organize Career Services. We’re just across the street, so the horizons of the student engineers to encompass a professional view. It is somewhat of a liaison for the student and the APEO. The role of the commit-

PROFESSIONAL DEVELOPMENT COMMITTEE

Gina Mollicone

The professional development committee is responsible for 'broadening the horizons' of the student engineers to encompass a professional view. It is somewhat of a liaison for the student and the APEO. The role of the commit-

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EMPLOYMENT COMMITTEE

Jo-Anne Mosselso  
Employment Committee Chair

Welcome to the University of Toronto and to the Faculty of Applied Science and Engineering. One of the Ford Fleming Cafeteria, posters, your great things about university is the four class Rep’s announcements and the month summer holidays. One of the Tolkei Oike and Cannon newspaper, not so great things about the Faculty of Science and Engineering. There are the two main events over the Applied Science and Engineering is the course of the Skule year which you requirement to accumulate 600 hours of should plan on attending: "Engineering professional experience in order to Career Day" in the fall and the "Summer graduate; therefore, the Engineering mer Job Fair" in the spring. These Employment Committee is very impor-tant.

The Employment Committee exists for the purpose of ensuring that all engi-neering students are aware of the en-mities to make contacts within the employment opportunities that are available to them. The committee ployment opportunities. works closely with the Career Centre’s. If you would like to lend your as-

Engineering Employment Liaison Office to any events, or you have any- tions, or you have any questions or suggestions, please don’t from industry to provide you with the hesitate to put a note in my mailbox, la-

information about employment options, belled "Employment Committee", lo-
to organize workshops and seminars on cated in the Engineering Society job hunting techniques, and also to co- Offices (SF B670).
PROFESSIONAL EXPERIENCE YEAR: EDUCATION BEYOND TEXTBOOKS

Dalita Berejikian
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 11 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 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.

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

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 UofT 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)
RECYCLING COMMITTEE DEBATING SOCIETY

George Vujnovic Engineering Debating Society

Initially created last year, the recycling committee has been in its teething stages. A lack of interest from members of the Engineering Society and a resulting lack of creative ideas to promote recycling resulted in a difficult year for me, last year's recycling committee chair. This year with a clear mandate from the Engineering Society, and participation from all members, especially Frosh, the recycling committee will organize various events to promote recycling and raise our awareness as engineers. I encourage all Frosh to attend the first meeting during the first few weeks of September.

The newly formed debating society is looking for lots of new members. If you are an experienced debater or just want to develop verbal communication skills, come and join. Membership involves lots of informal debates, formal debates and social activities. For more information call 261-5771.

NOTE: This society was started by a group of first year students after an engineering conference. It just goes to show you that first year students can make a difference if they set their minds to it. Ed.

FACULTY COUNCIL

Bernadette Cominsky Executive Faculty Council Representative

Hey come on, the title may sound boring but you can't judge on that alone. Just read the following lines to make a poor girl happy because she is slaving over this when she should be enjoying a relaxing summer. This leads me to introducing myself: my name is Bernadette Cominsky and I am your Executive Faculty Council Representative. Actually I am usually referred to as your EFCR because it sounds "very special" and very professional. The Academic Affairs Committee which the EFCR chairs acts as a liaison between the faculty and the student council. The committee is generally responsible for all aspects of academics. Sooooo, if you have any question, concerns or queries you can contact me by leaving your name in the EFCR box in Eng. Soc. and if you are keen on getting involved you can run for faculty representative for your Frosh group. See you in September.
WOMEN’S COMMITTEE

Anne-Marie Heron
Women’s Committee Chair

Welcome Frosh. I would like to say up front that this committee is by no means a man-bashing feminist movement. It is important that I emphasize that this committee is open to both males and females. It is my hope that this year’s committee will review the climate for females in engineering. Furthermore, the committee will attempt to be more visual. The committee’s mandate is to encourage high school girls to seek engineering as a profession, and to support present university and professional engineering females in their chosen careers. We hope to have people working in engineering give talks, have monthly meetings, and to support and encourage any other endeavours which the student body may feel pertinent.

We will be having our Wine & Cheese during Orientation and possibly another during Godiva Week, depending on funds. This initial event in September will hopefully offer the student body a chance to ask questions of the current committee members, and to become members themselves if they wish. If any concerns, problems, or comments should arise during the year a message can be left in my mailbox in EngSoc.
ATTENTION FIROSH MUSICIANS!!!

Were you in your high school stage band or concert band? Can you play a band instrument? Do you wish to continue performing music?

If you’ve answered "yes" to any of the questions above, the ENGGINEERING SKULE™ STAGE BAND is calling for you!

We want some new faces in the BAND this year and if you can play the saxophone, trombone, trumpet, drums, guitar, bass, or the piano (keyboards), you’re a suitable candidate. We’re also looking for SINGERS who are not afraid to show off their talent!

If you have any inquiries about the ENGGINEERING SKULE™ STAGE BAND, call Pro Mitra at 231-6234.

Be sure to try out for the ENGGINEERING SKULE™ STAGE BAND. you’ll regret it if you don’t!!!

REMEMBER – It’s what you do OUTSIDE of classes that makes your University life memorable.

The Engineering Skule Stage Band has existed since 1983 due to the generosity and support of the Engineering Alumni Association.
The Chinese Engineering Students' Association-CESA was originally initiated by a group of Chinese engineers who wanted to introduce Canadian culture to Chinese-speaking students. We have come a long way since the infant stages of CESA. Our membership includes Chinese-speaking students exploring the Canadian environment and English-speaking students aspiring for a deeper understanding of Chinese culture. We are proud to be, and we encourage all our members to participate in activities sponsored by the Engineering Society.

Our membership is not limited to engineers alone. In fact, a large percentage of our members are from Pharmacy, Medicine and other programs, including arts & science students. They may be of Chinese heritage or simply interested in any cultural, social, & athletic activities that CESA has to offer.

In the new year, we would like to install a program to assist first year students. All Frosh can use electronic mail to ask problems when T.A.'s are not around. Any technical question as well as any personal problems can be emailed to a login. Watch for it in CESA Times and in the Orientation meeting.

Culturally, CESA sponsors Cultural Square which invites everyone down to the Atrium for a taste of the Orient. We have Dim-Sum, palm reading, fortune telling, Mahjong, acupuncture, and many more interesting aspects of traditional Chinese living. We also sponsor Coffee House. It is a "talent night" function that brings smiles to many faces. CESA also has movie nights showing current movies in Surround Sound.

Socially, CESA dances are very popular. Our dances are clean and have class. We have many door prizes and surprises. The most amazing phenomenon is that we seem to pack all clubs to capacity!
Athletically, CESA is a force to be reckoned with. We have been the undisputed basketball champions among all Chinese student associations for the last three years. In soccer, CESA came in second last year in China Cup, a very competitive tournament with adversaries as close as York, and as far as McGill. In Orient Bowl, a Mini-Olympic style competition among all universities Chinese student associations across Ontario, CESA won three Golds, a Silver, and a Bronze in badminton; the same in table tennis; the Gold in basketball; and by several acts of God, our two volleyball teams did not finish in the medals. We doubled all the other universities in terms of acquired points and we will be hosting Orient Bowl in 1992. The spirit of engineering is within every one of our athletes.

We also sponsor CESA’s own badminton, table tennis, squash, tennis, and bowling tournaments. In addition, we have entered teams in the summer leagues for soccer, volleyball, basketball, and softball. We are looking for athletes with a strong commitment to the team, and willing to be coached.

CESA produces a monthly newsletter published on the first week of every month, called the CESA Times. It contains literature, prose, sports, and humour. Written in both languages, it has something for everyone. We are always looking for writers and editors, and we hold an annual writing contest that is published in the last issue.

CESA publishes a yearbook as a recollection of the year. It is a professional product, competitive with any yearbook. To keep the quality of the yearbook at its current standard, we are always seeking photographers, writers, and graphic artists.

Hopefully this has given the flavour of the nature of CESA. Furthermore, we hope that you can participate as an active member beginning with the Orientation Meeting.
HISTORY OF ENGINEERING

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 manage the fridge. Other engineers. The CHEMs were 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.

In search of a quicker method of chilling BEER than waiting for winter, the ELECs 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

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 history of Engineers, however, we have beach, they realized that they were too developed an almost insatiable thirst. 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 thieve 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

Molson's, here we come!
CIV CLUB

George Millis
John Aquino
Anthony Milani
Vered Fleischer
Franca Chiappetta
Ceylan Goklay
Civil Club Executive,

Welcome all 9T6 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 during the second week of classes in smokers, the Civil Hockey Tournament the Civil Club office, located in GB138, 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 reign 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 in. Some of the activities include during the second week of classes in smokers, the Civil Hockey Tournament the Civil Club office, located in GB138, 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 reign as chariot race champions and to continue the success of the Civil Hockey Tournament.

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Welcome all 9T6 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 during the second week of classes in smokers, the Civil Hockey Tournament the Civil Club office, located in GB138, 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 reign as chariot race champions and to continue the success of the Civil Hockey Tournament.

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Hello Floosh. Welcome to the University of Toronto. I have been asked to write a bit about the Geological and Mineral Engineering Club, otherwise known by its shorter and more popular name, the Geo Club. We are the smallest club in the ranks of Engineering; however, we have the most spirit of all the Engineering Clubs.

The Chairman of the Division of Geological and Mineral Engineering is Professor S.D. Scott. Although he is an extremely busy individual, he has always been around to assist students with problems. The administrative assistant for the department is Margaret (Hi Mom!) Crook. Marg pops into the common room from time to time to announce or post up-coming events in the division and the faculty. The Club has four elected positions which include the Treasurer, V.P. Ac- and sizes.

The Geo Club has a bit of an ath- President. These people are: Coellen Letic program where we get involved in Jackson, Bill (That’s William to you intramural sports such as football asshole) Shea, Chris Keith, and myself, (touch that is, of which we were the Chris Hiscock (respectfully). Each of 1990-91 division 2 champs), volleyball, these people are willing and able to as- and from time to time we have been sist you with any problems you might part of Engineering hockey tournam- be having with University life. Our- ments. We would really like to see common room can be found on the first some Floosh come out to the sporting floor of the Sanford Fleming building, events because us old folks can’t seem room 1007. If we can cannot be found to get in the swing of things athletics- (which is highly unlikely), a message wise anymore. can always be left and we will get back. That is just a bit about the Club it- to you as soon as possible.

Enough with the boring stuff. It is like, come out to the events run by the time to tell you what the club is really club. They are a lot of fun (trust me!) A all about. It is without a reasonable last word of advice: Get involved with doubt that the Geo Club has some of the Skule activities. You cannot always world’s best Smokers (those being go home and shove your face in a book. quaint little ‘tea parties’ where we sit Try to develop a happy medium around in pink dresses and gos- between school work and Skule sip...NOT!!). There will be many that activities.
MECH CLUB

Dan Leblanc?
Mech 9T4

Congratulations. You have just entered the finest mechanical engineering program in the country. To make you feel even more welcome, I am going to explain the lighter side of mechanical engineering here at U of T. First of all, come to Summer Nights. This is where you get to meet upperclassmen, like myself, and ask practical questions (ie: What are classes like? What is homework like? What are profs like? Social life? (not!!!) etc.) Secondly, we have a new (huge, gigantic, enormous) common room, where all years, one thru four (five, six? Ed.), can gather. We are currently in the process of furnishing the common room with all the comforts of home (ie: fridge, microwave, couches, chairs, desks, conference tables, pop machine, a billiard table (perhaps), and most important, advice from your upperclassmen). Thirdly, Mech Club organizes a dinner sometime during the year for mechanical students and faculty to gather together in an informal setting. There is quite a bit more but I am running out of space. Finally one piece of advice; If you have any questions about anything at all, feel free to approach me or any upperclassmen. (Dan LeBlanc is the Mech Club chair. Ed.)
INDUSTRIAL CLUB

Anne Fraser and Selina Madsen, 9T3
Industrial Club Co-chairs

Welcome to Industrial Engineering During the year, the IE Club sponsors a variety of activities. These include Smokers, club dinners, Godiva Club. In case you don't remember (or if Week activities, skating parties, movie FROSH week is a blur) the IE Department, and Iron Ring and Grad Ball for our graduating students. Smokers are ing at 4 Taddle Creek Road. The IE held in the Common Room roughly once a month. You DO NOT have to Roseburgh in room 104. The Common smoke to enjoy the beer and pizza that Room is a place to hang out, eat lunch, we usually have. Our first smoker will meet other students, scam old problem be a "BOOK BUYING/SELLING" sets, etc. You will also find pop and smoker, and it will be held in Septem- candy machines, a microwave oven, ber, and a free phone.

As an IE student, you have access to ever you feel like it. Watch for IE Club the Undergraduate Computer Room activities that will be advertised in which is located in Roseburgh, room Roseburgh, and come out and join the 207. The room has IBM PC clones and fun! If you have any questions or sug- 2 Macs, as well as a hook up to a laser gestions, drop us a note in the IE Club printer. There are several software box in the Roseburgh mailroom.

packages installed on the PC's, and Good luck with first year!

UNIVERSITY OF TORONTO

The University of fered to the University of Toronto
Toronto Chapter of Chapter.

The remaining ten dollars of the dian Society of Indus- membership dues go directly to C.S.I.E. trial Engineers) is the U of T Chapter. Since it is a non-profit only professional In- volunteer organization the money is dustrial Engineering society which has used to subsidize events such as plant student members. The purpose of its tours, dinners and conferences. By par- existence is to promote knowledge of ticipating in these events members will Industrial Engineering and to keep gain a better understanding of Industrial members well informed of new devel- Engineering.

opments in the field.

As a final note we would like to re-

The registration fee is thirty dollars, mind you that this year the Industrial twenty of which is sent to the Institute Engineering Conference will be held at of Industrial Engineers, located in At- the University of Toronto. It is a na- lanta. This gives each member a sub- tionwide event with members all across scription to Industrial Engineering Canada attending. Participation is lim- Magazine which is a monthly publica- ited to C.S.I.E. members. Assistant tion. The annual dues to this organiza- Editur: The conference is a blast, tion are regularly seventy-five dollars. sure to go, you'll meet tonnes of people. However, a special student rate is of- and have a great time. Trust me, I did!

U of T Engineering
CLUB ENG SCI

Derek Plansky
Engineering Science Club Chairman

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

The major one of course, is Club Eng Sci. For your stress relief and enjoyment the club will hold several year stay will prove to be enjoyable. Smokers during the year. A Smoker is Good Luck on your upcoming year.

just an excuse to sit around, have some And remember that Engineering life is more than just lectures, labs and home-

iness, catch a good flick, and relax. Another semi-formal but still fun event is work so join a sports team, a club, or the Dinner/Dance in early November, to the BNAD and get involved.

which all four years are invited. It’s just in time to relieve some of that mid-
term agony that some of you will be experiencing. Some of the other activities the club organizes are sporting events, and of course what would Engineering Science be without an entry into the Godiva Week Chariot race?

The common room (GB148) 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 upper year students. The common room has several computers as well as printers and some useful software packages. These computers are for anyone in Engineering Science to use and come in handy in that hour of need.

During Frosh week (or over the rest of the year) you may hear the chant "Eng Sci Sucks", just remember that it’s because they’re jealous. Most people have heard horror stories about Engineering Science (if you haven’t just ask an upper year student) but remember that everybody was in the same boat at one time or another, so there is a large pool of experience available to get you through those stressful times. If (heaven forbid) you are pulling out your hair over a problem, chances are 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 too seriously we hope that your four years will prove to be enjoyable. Smokers during the year. A Smoker is Good Luck on your upcoming year.

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15 seconds of club

ENG SCI

Could you imagine
4 years?
CHEM CLUB

Paulie Radpay
Chem Club Chair

Welcome to the world of Chemical Engineering. The Chem Club offers the a good way to get tips about your future opportunity for many of you F!rosh to courses which truly helps when the go-get involved in non-scholarly activities getting tough. Good luck in your first which at timed intervals are necessary year cause you’re going to need it, and for your sanity. We offer many activities for Chemical Engineering students and are very keen on getting you F!rosh involved. Some of these include the Chem Dinner in November, various athletic events, and of course smokers. During the fall term we find it very difficult to communicate with the Chem Eng F!rosh since you are split off into various F!rosh groups. However, keep a lookout for upcoming events which will be posted throughout the engineering buildings. Also, feel free to drop by the Chem Common room located in the Wallberg building (rm 238) in order to get to know the upperclasspeople, shoot some pool or play video games. This is Engineering. The Chem Club offers the a good way to get tips about your future opportunity for many of you F!rosh to courses which truly helps when the go-get involved in non-scholarly activities getting tough. Good luck in your first which at timed intervals are necessary year cause you’re going to need it, and for your sanity. We offer many activities for Chemical Engineering students and are very keen on getting you F!rosh involved. Some of these include the Chem Dinner in November, various athletic events, and of course smokers. During the fall term we find it very difficult to communicate with the Chem Eng F!rosh since you are split off into various F!rosh groups. However, keep a lookout for upcoming events which will be posted throughout the engineering buildings. Also, feel free to drop by...
ELEC CLUB

Laura Baldassare
Elec Club Chairperson

Welcome Electrical Engineering students to the mighty faculty of Applied Science and Engineering at the University of Toronto. I would like to introduce you to your Electrical Engineering Club.

Whether you are interested in electronics, biomedicine, communications, or other areas, the Elec Club offers an opportunity for you to meet new people, to participate in events such as the annual dinner/dance, and to take part in the many activities organized by the Elec Club.

As an Electrical Engineering student involved in events such as the annual dinner/dance, you are automatically a member of this race. On the more serious side of things, the Elec Club works hard in organizing plenty of diversions when you are not involved in professional activities.

First of all, I would like to point out two important locations. The Elec Club office is located in SFB640. The office is open during the academic year. The ex-officio member of the executive is usually available to answer any questions you may have. The office concerning upcoming events, won't ever have the chance to do it so make sure you drop by and check it out! I hope you have a great year out! The Elec common room is located and I look forward to meeting you!!

The I.E.E.E. (Institute of Electrical and Electronics Engineers) is the sional career. The Student Branch largest professional society in the world. It serves to keep electrical engineers informed of the latest in technology, and sells old exams and quizzes at reasonable prices.

Whether your area of interest is communications, power, electronics, or robotics, you can join the I.E.E.E. and receive as an I.E.E.E. member. The I.E.E.E. offers various 3rd floor of the Engineering Annex and magazines available at ridiculous prices is open at all times. The Centre pro-

As an I.E.E.E. member, you also belong to the I.E.E.E. Student Branch, scopes, and other equipment available which provides extensive support for members to use on projects.
MMS Club

Henri Costa
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 don’t like me, they take too long to do does not exist, has never existed, but things (the other computer has been might some day exist. That about sums loading the handbook for the past hour it up. Computer engineering students, now), and they are very fussy and get are members of the Elec Club since upset at the littlest of things (such as they take the same things for the first commas, asterisks, you know what I two years, so go on and read that page, mean!) So even though I have nothing Any of you Frosh interested in perhaps personally against computers, they have starting up a comp eng club, talk to any the nerve not to like me. Go on and read of the officers: Andrew, Ivana, the Elec page now. Please. Caroline, Chris, Rich.

Note: Rumour has it that the eng-

I guess since you guys are in comp neering Computer Club will come into eng you know a lot about computers existence in 9T3. This is only the third and it’s useless for me to force upon year Comp Eng has been offered at you the little knowledge about them UofT. So as a Frosh, and one of the that I have. (That’s why I’m a Chem) first in line to receive a degree in Comp Any way, right now, after about two Eng from Uof T, I urge you to watch months of trying to put the handbook for it and get involved with it. together, I am convinced that computers
A Canadian Success Story Respected Around The World.

In 1920, de Havilland began with a vision that has come to define performance in the regional aircraft industry. Today, the de Havilland Dash 8 is the acknowledged leader, winning world wide respect for Canadian expertise in the fields of Engineering and Aerospace technology. We recognize the contribution of Canadians to our success. That's why we foster Canadian education and training, employing Canadian graduates whenever possible. It's one of the ways we can make sure the success story continues.