Skule™ Book
9T4
University of Toronto Engineering
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I take great pleasure in having the opportunity to speak to you all, especially the graduates of 1994, through the pages of the yearbook.

You have come here and studied with high expectations for your future careers. Unfortunately, as has occurred from time to time in the past, the economic recession and corporate restructuring have significantly reduced the number of jobs available at the present time. However, in these circumstances, I am still confident that patience and perseverance will pay off and that you will all be able to identify challenging opportunities. I recognize that many of you will have to work hard to identify these opportunities and be willing to consider unusual or special situations, including embryonic or small companies looking for bright engineers with ideas. In this way, many of you will be able to create your own futures.

I am impressed and proud of the achievements of the Engineering Society and its various committees, and their contributions to the Faculty and the University as a whole. The efforts by members in 1993 to improve the image of Orientation and the Toke Oke were outstanding, and I look forward to the Society building on these successes in future years. The multi-cultural make-up of our City is reflected in the student body of the Faculty, and it is by the enthusiastic participation of each one of you in the Engineering Society and its events, such as Skule™ Nite, the Skule™ Stage Band, and the ever popular LGMB, and sports activities, that new students can be integrated into a strong and cohesive community.

As many of you know, there continues to be an overall increase in the proportion of women entering the Faculty. In fact, this year in chemical engineering 54% of the First year intake were women, the first time that the proportion has exceeded 50% in any engineering class at the University of Toronto.

A special word to you all, and here I reiterate the words of my predecessor: please keep up the $100-a-year habit. Back in 1978, engineering students were precedent setters on campus by initiating the special annual levy, and you have followed in their footsteps and helped to maintain and improve the undergraduate teaching laboratories and other aspects of the undergraduate experience. Please continue to support Skule™ in this way or through the Annual Alumni Fund.

And, to those of you who are graduating, I ask you to get involved in the Engineering Alumni Association and, most of all, promote Engineering at U of T whenever you get the chance. You are about to be a member of a proud and distinguished group of alumni, many of whom have become illustrious members of business, industrial, and research communities around the world. My good wishes for success and happiness go with you as you seek your fortune in a "global economy". Please keep us informed on your progress. We will value hearing from you, and your advice will be taken seriously.
President's Message

I want to start off this message by congratulating you all for successfully completing another year. Things can get pretty hectic around here and sometimes it takes all an individual's effort to stay afloat without going insane (Note: One can find it considerably easier if one is willing to go slightly insane.)

With that said I want to categorize the three classes of people who inhabit the walls of the various Engineering buildings around here. They are:

1) Those who have a great deal of spirit, and devote a great deal of time and effort into making Skule™ a better place for all undergrads,

2) Those who think that they have a lot of spirit and devote a great deal of time and effort to drinking beer, and

3) Those who have no spirit and do nothing.

The breakdown of these three groups are as follows: Types 1 and 2 have about 5% each of the student population, and type three has about 90%. This means in a faculty of about 2700 undergrads, only 270 do anything. The reason I include type 2 in this number is because at least they show up to the events we have.

This address is primarily geared towards those of you who are type three students. I have to tell you that I do respect your choice. After all, it's your life and you can do what you want with it. My only concern is this: you probably don't even know what you are giving up. Back in 1990, I came to this school not knowing a soul. I was intimidated by the sheer size of the campus. Once I became involved in Eng. Soc., I made a lot of friends, had a ton of fun, learned a few new skills, and the campus started to shrink by the day. I learned a great deal about the history of the SPS (for those of you who don't know what SPS is, I pity you) and began to take great pride in my Skule™, and the great men and women who studied here before me.

As for those of you who are type one individuals, I want to thank you for the tremendous amount of help you've been this year. Even though there are relatively few of you, we still have a reputation for being the most spirited group on campus. You are the people I am proud to call friends, and you are the people I am most honoured to represent.

David Vendramini
President, Engineering Society

Engineering Alumni Association

It is again a pleasure to offer some commentary to you the graduating class of 9T4 on behalf of the Engineering Alumni Association.

You are embarking as you graduate into a new series of experiences. Experiences that you may not be prepared for directly, but those that you can utilize what you have learned in Skule™, to deal with.

Your analytical abilities and technical capabilities will stand you well. But given the complexities of the world these are not the only tools you will need. You will have to deal with people, deal with the ideas and perceptions (and prejudices) of others, and deal with financial matters as never before.

But it isn’t all that bad either. You are now free! Yes, no more exams and problem sets. You’ve earned your passage.

Don’t forget the Alumni Association or Skule™ as you move on into new things. Skule™ will always be an anchor for you and the Association a way to keep in touch with friends and associates through the years.

It’s also a good way to get a job, through networking and through the Careers Centre (that you helped finance during your time at Skule™).

I trust that your class will support the Faculty financially this year and every year during our various fund raising activities. We look forward to your participation socially and physically too through the activities sponsored by the Engineering Alumni Association and the Council of Presidents.

Enjoy!

Dana Shlun, BASc, P.Eng
7T5 Mechanical
President, Engineering Alumni Association
F!ROSH
Class of 9T7

"ALUMNI OF THE FUTURE"
Orientation
Orientation was organized by engineering students and the Engineering Faculty to welcome the new Flrosh. It all began in the spring when all the planning occurs, followed by a summer of toil and ending with a couple of weeks of hard work. Orientation for the Flrosh began with the first day of Skule™. They gathered at Con-hall where the orientation committee, concerned for the Frosh's well-being made the first priority labeling. The favorite method was with thick black marker on appalled faces. Con-Hall was for all the necessary boring stuff. The Flrosh then stretched their legs walking around campus (the orientation committee didn't want the Flrosh to get lost in their new home). A special event of the walk-around was the Path of Purple Passion (held in the purple alley, of course). The Flrosh were swallowed by an evil clown as they ran a gauntlet of water hazards, ending in vats of purple arm dye. The walk-around ended just before lunch with the faculty in the departmental common rooms. The orientation leaders and the LGMB, led over 500 Flrosh on an educational tour of Toronto. The tour included a few red lights, the Provincial Legislature, the Eaton's Center and Nathan's Philip's Square, where the Flrosh got even with the orientation leaders. A quick stop at the shrine of the Great Gumby and then it was back at Skule and a visit to Suds. Shinerama began the next day of orientation and it was a smashing success due to the talents of Maria, Shannon and Kathleen. The Flrosh and the orientation leaders blanketed the city trying to raise money for Cystic Fibrosis. The LGMB played while Flrosh collected money from the admiring crowd. After a hard day everyone wound up at Suds. The last full day of orientation ended with Flrosh nite at the Concert Hall. It was a good time with good tunes and lots of BEvERages. With the dawn of a new day the engineering tradition commenced once more, recovery from the night before and classes. Classes finally finished and everyone congregated at Suds. Bed races and the carnival on front campus rounded out the week of orientation. The first Friday (of very many to follow) was spent at Suds. The Adopt-a-Highway was organized by Sylvia and it was a credit to Mr. Clean. The engineers were then loosed on the city for a scavenger hunt. The final day of orientation was spent at Hart House. Sara, thank you for the wonderful time.

Brock Rowlands MMS 9T6
Ed Howie IND 9T6
I like MMS, what about you?

This butt's for you.
"F'rosh-Frying-Like-Bacon". It is an amusing diversion, and the F'rosh really seem to enjoy themselves. Besides, orientation is hungry work and there is nothing like a mid-morning snack of F'rosh Bacon!

Tree sitting for Shinerama. 24-hours in a tree. That requires dedication. It also requires an iron will and an extraordinary bladder capacity.
Orientation
I love it when you do that.
Orientation
Raise your arms if you’re sure

I know this is going to hurt

How Big?
This Big.
Tic-Tac-F!rosh. An exciting game that mentally challenges the players. A full set of F!rosh are required for a complete game. The pieces are rather mindless though.
Second Year Class of 9T6
Third Year
Class of 9T5
Our work began early this year with meetings in the summer to plan our 9T4 sidewalk at Survey Camp. This year’s monument was a great success and will hopefully encourage future classes to be creative.

Although we only had a few smokers, we had one of the best smokers of the year. Over a hundred turned out to watch the Jays crush Chicago in the ALCS playoffs.

This year’s Civil Dinner was not record setting in attendance, but following a great meal, everyone was ready to party after a humorous speech given by our guest speaker, Professor Soberman.

Our largest project was representing the University of Toronto at the Great Northern Concrete Toboggan Race in Edmonton. The Civil department, the Engineering Society as well as some corporate sponsors, were able to raise enough money to build a competitive sled to race. The toboggan reached speeds of 50 km/h and survived several crashes (and so did the competitors). Special thanks to all the professors who assisted the team as well as the team members who gave up their time to help. Good luck to those attending next year’s race in Montreal!

Once again the Civil Chariot reclaimed the Terry P. Potts award with an official victory in the Annual Chariot Race. (We have to share honours with the Eng. Sci’s because they bribed the judges).

As always, the Civil Hockey Tournament was fun and successful event.

Congratulations from the Civil Club Executive to the Frosh who survived first year; the 9T4’s, never have these walls seen such a ‘tight’ly knit class; the 9T5’s, who have taken whining to a new level; the 9T6’s for their overwhelming support of the T-shirt drive.

Our many thanks go out to all the Civ’s who made this year the success that it was.

Good luck to all!

John Aquino, CIV Club Chair
Hear ye, hear ye! Gather one and all, lend me your ears, hey you in the back listen up! Blah, Blah, Blah. SEX!SEX!SEX!SEX! Now that we’ve got your attention, we’d like to talk about Chem Club’s super year. First of all, we’d like to honour the Chem club executive: Sophia Wang, Mark Carli, Claudia Candela, Sandy Grewal, Julie Han, Dennis Courneyea, and Sylvia Squair. We couldn’t have done any of this stuff without them. Now on to what stuff Chem Club did do.

Major events for this year included the annual Chems at the Beach Volleyball Tournament. Even with the bad weather, everyone had a great time and the event was a huge success. Another major sporting event was our always successful hockey tournament. Although we do not know who won yet, rest assured that it was a major success. The Chem Dinner was wicked. We had over 100 people (and even some staff) come out and have a great time (at 10 bucks cheaper than last year too. Chems always get the job done better for less.)

Now on to the Chariot Race. After many years of being in limbo without a chariot that we could be proud of, Mark Carli went the second mile and produced an indestructible, unstoppable, unbeatable, BEAST. Not only that, but our driver told us that the ride was as smooth as a Cadillac. Let’s not talk about who “officially” won but who crossed the finish like first. That was never in question. Talk to anybody that was there (except the Civs and Elecs). CHEMS RULE!!!

On top of all this, we also had the BEST smokers. Period. Who else brought you projection screen TV’s, SEGA Genesis (with CD-ROM), awesome tuneage, and the cheapest BEvERage and ‘Za prices this side of the Atlantic.

All in all, it was an incredible year for Chems here at Skule™. If you’re a Chem, you can justly feel proud to have had the best club in engineering. If you’re not a Chem, just what are you anyway?

Ed Dobbertin,
CHEM Club Chair
This was another glorious year in the history of the Electrical Eng. Club. We started the year in cooperation with the rookie club of the Year—the Comps! The exec decided that close association between the Clubs that belong to the same department would produce great results and it did (As well as much more money!). The highly trained, well fed and sober ECE CREW started the year off with a Bang! We ran in the Shinerama Bedrace and WON.

After many weeks of hard work and preparation the Dinner/Dance was held at the Polish Cultural Ctr. Our social directors, with the help of all the executive, did an excellent job in organizing and conducting this event (as well as cleaning up after impetuous ones). The third year class (with some 4th year Punks) went on their annual field trip to Ottawa. Good times as well as TGID's were had by all. Thanx to the great effort by the clubs' Vice-Chairs.

Our Smokers this year were very successful. The Bedrace Victory smoker as well as the Blue Jays Victory Smoker drew record numbers of students as well as faculty. Thanx everyone for making this the great year it was for the Electrical Engineering Club. ERTW (ELECS rule the World).

**ELEC ENG CLUB EXECUTIVE**

**Chair:** Sam "The Punk" Herzallah  
**Vice-Chair:** Lilian "Headbanger" Kulhanek  
**Treasurer:** Ed "No money for Pizza" Lowrek  
**Social Director:** Christian "I Swear I was Pushing" Vardin  
**Sports Director:** Leigh "TGO" Kivenko  
**Secretary:** Alex "What Concrete?" Hatzivassilis  
**Publications:** Steve Bedrace  
**Genius/Caramel**  
**Mascot:** Dave "E. I. b M. 2_k" Petrou  
**3rd year rep:** Steve "Keen" Kim  
**2nd yr rep:** Manija "Keener" Vasic  
**Spirit:** Denis "What Door?" Nechaevski  
**Cool Chic:** Ella "Runs the University" Lund-Thompson
Well, another year - another yearbook. We in the Department of Metallurgy and Materials Science have had an exceptional year. The year began with major renovations to our awesome common room. Frosh week was great...lots of the frosh came out and we had the opportunity to give them an idea of what MMS really was. This year marked the return of the MMS Chariot (missing since the stone ages) which would not have been possible without the guys and girls in second year. The guys in third year printed up some great T-shirts with a motto which we adopted..."You don't choose MMS...MMS chooses you". Above all, we in MMS have had a great year. I would like to wish you all the best of luck this spring and in your future careers. Remember, Engineers really do Rule The World.

MMS Club Executive:
Colin Cochran- MMS Club Chair
Karla Friesen
Dave Giannios
Brad Rixmann
Nicholas Kournetas
Berton Martin
Frank Cuzzupoli

Since Mark never submitted a write-up, it was left up to us, Caroline a 4th year GEO and Kurt a 2nd year GEO to come up with some words about the club. We had really good smokers throughout the year...some GEO’s were actually spotted in the vicinity. Some industrious GEO’s got together and built the “GEO Fishie”...our chariot, it became a (con) temporary art piece in the middle of the Atrium courtesy of the two tons of concrete which deterred any jealous chariot thieves from racing it. We had a successful volleyball team, hopefully, this year’s hockey team will defend our championship title. While our new security system stopped the theft rate in the common room, the GEO rate has also decreased because no one knows the combination, except for the select Civils and Elecs. Goodluck to all the GEO-wanna-be’s, may you get into GEO next year.
As I sit here trying to figure out what to say to you about Mech Club, I am really at a loss for words. Mech Club was pretty well flat lining at the beginning of the year: only five people showed up to give the common room (the largest one in Engineering) a new coat of paint. It was time for desperate measures. Myself, Noah (Vice Chair), Jason (Treasurer) and Kim (Secretary) endeavored on an arduous journey to summon the most elusive of creatures SPIRIT. We acquired a billiard table and dragged, wrestled, and wedged it into the common room, set the price at $5.50 and waited for results. Well, the common room began to fill up, slowly but surely. It gave us hope. We decided that Mech Clubs annual dinner would have to be the "make or break" affair. We had about 100 students and 12 faculty members out to the affair. We ate like kings and proceeded to socialize into the early morning. It was an unrivaled success. The "bear incident" at the faculty club needs no further mention.

The 4th year road trip to Montreal was superb. Despite the harsh economic times, Kim Aube, Mark Yamazaki and Dan LeBlanc managed to get 90 students to go. We toured Pratt & Whitney, Bombardier / Canadair, and Quebec Hydro during the coldest week ever on the planet. The average temperature was -26 degrees Celsius before the wind chill (don't even ask what it was after the wind chill!). Did you know that it takes a 12 ounce bottle of beer 47 minutes to freeze solid at these temperatures? Not that we have any first hand knowledge of this bit trivia. (Not! Oh yeah, "We are not alcoholics, just social drinkers."-Aris)

Now, it seems after the trip, Spirit had finally arrived. It even visited the 2nd year Mechs, who decided that boxing and fighting in class was the best way of showing their enthusiasm. We won the chariot race, because we still own the trophy (pictures will follow). Our Iron Ring sizing for the 4th years was memorable ("null said") Our graduate campaign, due to all this Spirit, was phenomenal. We raised the most money. Period. As someone once said, "first you get the money, then you get the power." We had the most people at Grad Ball, because Inga, Mech Goddess of Organization and Endurance, was running the thing.

Finally, because top 10 lists are passé, I humbly offer you the "Top 5 Reasons to be a Mech at Skule".

1) We have Margaret and Christopher Ross, and you don't
2) Our hair is longest per capita.
3) We can put Subaru's in the Atrium on demand.
4) The Mech Chair is the only Chair to hold the position twice.
5) Elec's are punks

and

5) we have more 2nd floors than anyone else
4) The Mech Chair is the only Chair to hold the position twice.
3) We can put Subaru's in the Atrium on demand.
2) Our hair is longest per capita.
1) We have Margaret and Christopher Ross, and you don't

So get involved and enjoy the new found Spirit lurking in our halls.

George Vujnovic,
Mech Club Chair

Montreal 9T4

Well what can I say? MECH 9T4 did it. The Montreal tradition continues! Trip up was old. When obstacles like cars got in the way, the MECH's moved them. What we did? Saw some pretty awesome tours. Saw real airplanes get built from scratch. Gambled at a real casino. Saw these room where they test transformers with 1.6 Billion volt home made lightning. Big rooms - little doors. Hell, we even did a few door modifications at the hotel. Beer was great, Food was great. People were awesome. MECH 9T4 RULES!

Special thanks to Kim Aube and Mark Yamazaki.

Dan LeBlanc
Trip Coordinator
Industrial Club:

This year was a rebuilding year for the club after losing a very active 9T3 graduating class. The year started slow with a few smokers. We had a terrific turnout at our Dinner/Dance at the Old Mill. For the second year in a row, we participated in the Chariot Race and placed well. Attendance at the smokers increased dramatically and we anticipate a fun filled evening at Yuk Yuk's Comedy Club. The highlight of the year was our CSIE trip to Halifax. We showed Halifax not only our great school spirit but also that U. of T. knows how to party!! There is no doubt in my mind that the Industrial spirit is back and will continue to flourish in the years to come. Congrats and best wishes to those of the graduating class and good luck to all others in their future years at Skule.

John de Guzman
Roy Sanwalka

Special thanks to those below for making this an unforgettable year!!

The Executive- Peter Benda, Hartley Isenberg, and Sergio Rattner
Third Year crew-(Leo, Danny, Mike, Tom, Vip et al)- You guys are dange!!!
Gerard- our advertising man
Second Year crew- (Mary Ann, Lisa, Margaret)- I'll miss your yelling at me for nothing!!

Canadian Society of Industrial Engineers(C.S.I.E.)

We had an active student chapter at the University of Toronto this year. The year started off with a large number of enthusiastic executives who kicked off a successful membership drive. Events included smokers, a plant tour to Procter & Gamble, satellite conferences, a resume program, and a mentor program. The year culminated in a trip to the Industrial Engineering Student Conference in Halifax. A record of 31 students (top attendance by any school) traveled to Halifax for 4 days of education and entertainment. The C.S.I.E Executive invite everyone, especially first years, to get a taste of Industrial Engineering outside school through the Society. Congrats to Hartley Isenberg for winning our Student Involvement Award.

Ushnish Sengupta
Chanderkant Jain
Another year has gone by, and yet another Eng. Sci. class has graduated. Class of 974 - we made it!!

Eng. Sci. has gone through a lot of changes during the 4 years that we have been at Skule™. This is the last graduating class that had Professor Donald G. Ivey teaching First Year Physics. He taught Eng. Sci. from 1958 to 1990, and had 2 different problem sets during his entire Eng. Sci. teaching career: one in 1958, and a BRAND NEW one in 1990! To celebrate the end of the Ivey era, the Club had T-shirts specially made for the Eng. Sci. graduates.

This year was the half-way point of the 6 to 5 courses transition. The 5-course people looked a lot happier and well rested, but that 6th course might come in handy some day. Engineering Science is always changing to meet new challenges. A few options have disappeared during the past 4 years: Geophysics, Chem and Nuke, but some new exciting options such as Biomedical were born.

The Eng. Sci. common room saw our fridge back, with lots of pop in it for a VERY low price. The common room increased in size in the past 4 years and we got some very nice furniture.

Eng. Sci.’s this year have shown their tremendous spirit once again. We had the largest Dinner-Dance of all the Engineering Clubs: 145 people showed up at the Old Mill, and had an awesome time! We also had many successful Smokers! A very large group of Eng. Sci.’s from all years helped the Club to win the Chariot Race for the second year in a row! Our incredibly designed chariot (thanks Bernie!) and custom-built to fit our driver Agnes even survived the failed attempt to encase it in concrete (and we won’t mention Sammy’s Club). Elmo (the squid) once again showed enormous courage at this year’s race, but this time he was accompanied by Wilbur (the pig) who demonstrated enormous spirit and dedication to the Eng. Sci. Club.

After many years, we saw Eng. Sci. sports happening again. We had many fun Eng. Sci. volleyball games. And the Eng. Sci. Aero Division III Hockey team showed their talent and had great support from the BNAD.


Thanks to all of those Eng. Sci.’s who have made the club such a success during the past 4 years, specially this year, and have made life at Skule™ a lot more fun!!!

Ana Claudia Brito  
Eng. Sci. Club Chair

Executive:  
Chair: Ana Claudia Brito  
Vice-Chair: Gidon Lenga  
Treasurer: Andrew Sit  
Secretary: Aaron Steinman

[Image of people]
Hi, my name is David Vendramini, and I was your Engineering Society President for the year of 1993-94. I am stating this is because many of you don't know my name or my face even though I have been in office for a year. My first message in this book was addressed to those of you termed "type 3" people. This message is for the "type 1" people.

Most of the write-ups in this Skule™ Book will talk about what has been achieved this year. Since you people have been involved in most of those events, I won't dwell on that because you all know what happened. Instead, I'm going to talk about what hasn't happened.

We haven't managed to figure out who was responsible for all the thefts which have occurred over the past year. This problem will most likely never be solved. All we can hope for is a group of responsible students who don't steal or vandalize, and who feel it necessary to report any that they might see.

We haven't increased Skule™ Spirit amongst the general student body. I have pondered this problem for more than a few hours and can find no solution. We tried to improve the lines of communication, but some class reps won't make announcements, and those that do aren't listened to anyway. We tried pranks around campus, and that didn't seem to work. We tried to raise the profile of the Mighty Skule™ Cannon, but many students (and most of the faculty) think it's just noise. I find it depressing that so many of you have gone to such great lengths to make the Engineering Society a more welcoming environment, and your efforts are being ignored.

On a more positive note, there are a few other things we haven't done this year. We haven't given in to the urge to give up, even though our efforts seem to go unnoticed. We haven't fallen to the pressure to concentrate solely on academics, and have continued to improve our professional character, despite pressure from many of the faculty to become bookworms. We haven't stopped being the envy of every student group on campus.

And before I forget, we haven't figured out who the BFC are:

Sincerely,

David

When you write a reflection on what happened in Eng Soc you either want to laugh, scream or cry! Lord knows, you have to have a sense of humour and a sense of the absurd to survive this place. This is my second year as an Officer and I've discovered many qualities (I'm not sure that word is quite appropriate), that I never knew I had:

A) I can scream louder.
B) I can laugh at anything.
C) Patience.....sort of.

So, if you have these qualities you definitely should consider running for a position...hell, even if you don't, you'll learn them quick.

All in all, I'd like to thank all of you (that's right I said thank, not kill) for giving me the opportunity to represent the best Engineering Student Society in Canada! I was really proud to tell others how great we are...no, I wasn't referring to our drinking abilities but rather because we are taking on "social responsibility". It's good to know that there are engineering students out there who care enough about their society to work towards a "better place". Yep, that sounds corny but damn-it, it's true. As students we're doing something constructive about the lack of women in engineering, the general publics' lack of knowledge about engineering (that includes Highschool students and kids) and much more.

It gets discouraging at times in Eng Soc, because quite honestly put, it's just a handful of students that always seem to be putting that extra effort in all the time. I'm proud to represent you. As for the rest of you, take some initiative and do something next year. For those who are graduating, I hope you have the courage to become something more than just a stereotypical engineer who doesn't see the world around them.

Well, enough of the sermon but I just had to get it off my...uh, chest. Actually, there's a lot more I'd love to say...psych.

Some of the best memories will be of the times I spent with engineering students from other schools. They're crazy, nuts, fun, demented, bizarre, peculiar, silly, outrageous...sounds a little like us, no? However, they're a little disillusioned because they think their school is best (not!).

Last but not least, I want to thank, hug, kiss and strangle the other officers-thanks for putting up with me.

Caroline Zywulko

Vice-President External

Caroline Zywulko
VERE-PRESIDENT,
FINANCE
Ruby Nayyar

I started off this year really excited about being an officer for the Engineering Society. Sometimes it can be a lot more work than you think. There have been many days that I have walked into Eng Soc and have just wanted to walk right back out because of the disgust that I found within and I am not only talking about the garbage lying around. Every event that we have had, we have desperately pushed, we have tried to make you all participate in things. But too many people don't give a damn. Why should I care, it is your money that lets Eng Soc run. Your money funds this place and if you don't use it there will be just a few people who can continuously eat all the pizza and beer they want in Eng Soc, since no one else shows up for there meetings. Eng Soc is a place for people to come and feel like they belong. You all belong here. It is not a cliquey place. No one will ever turn you away from the door.

Eng Soc isn't all that depressing. There are a lot of good things that have gone on this year and I am proud to have been a part of Eng Soc for it. I had fun and I'm sure so have some of you. This past year has not been all that bad. I have worked with a great bunch of people and I'm glad that I did. Its been an experience. So here are just a few words to help you get through any hard times that you may endeavor in life, in skule™, or god forbid in a job...

- always remember you can laugh it off
- just sleep and hope its a bad dream
- remember industrials are the best
- let out a loud scream then calmly hide in a corner
- start reciting Green's theorem

- recall what it was like to be a child, having recess, no homework and getting all A's
- call home and ask them to take you back
- stand in the middle of the street until a streetcar hits you, (ok. may be that isn't a good one!)
- start daydreaming, its an excellent habit to get into, you can be what ever you want to be and nothing can stand in your way
- quilt, but only for a second just to see what it would feel like
- kill your boss/professor by squishing their head between your fingers, its a great stress reliever
- go for a nice long walk up the walls
- smile, close your eyes and think happy thoughts
- wait until nobody is looking then start making weird noises with your mouth
- start twitching your body parts, people will avoid coming near you at least for a little while
- lie down, stare at the ceiling and let people think that you have completely lost it
- start asking people to help you find your marbles
- start talking to the pop machine, this one really freaks people out, if you are a ventriloquist you can make the machine respond back

I cant say that I have actually done all of the above but sometimes it comes in handy to know how to relieve some stress or tension or anything. Not that anything has REALLY bothered me lately...

Take care, maybe I'll still be around next year.
By the way to the other officers U SUC EAT A BAG OF...

It was the best of times, it was the worst of times, that accurately depicts my year as VP. Activities. It was a challenging yet rewarding year. Challenging in the sense that I have developed an excellent ability to deal with frustration and combat the intense feeling that I was beating my head against the wall. Fortunately the rewards were great too, to see people having a good time, to work with four other officers who were great, and to know that getting involved in politics has not broken my idealism. I'm even willing to get involved with Orientation again, though not quite so involved.

After looking at the year in retrospect there are many people who I would like to thank. Thank you to all the people who really helped out during Orientation, especially Sandy and Arash who put in a lot of time without a lot of recognition. Thank you to Kurt for being there. Thank you to Caroline, Ruby and Tanya, who made every day in the office seem like a scene out of Thelma and Louise. And thank you to all those people who came out to the events and supported your Skule™.

Sara Volo

VICE-PRESIDENT
ACTIVITIES
Sara Volo
"Sorry, I can't have lunch with you because I have to finish the minutes from the last meeting."
"No, I won't be going to Suds because I have minutes to type."
"Oh, well... I guess I would've passed that midterm if I didn't have minutes to type last night."

Yes, fellow engineers, that was me this year. Being SECRETARY has been a frustrating, yet rewarding, position to hold in Eng Soc. It is frustrating because everything you do is behind the scenes stuff that nobody notices. It is unlike being a Committee Chair, where you can say "the committee did this and that" at the end of the year. The rewarding part is that I have learned a great deal about the way Eng Soc works and, the way other engineering societies work, met a lot of wonderful people, and developed many, many skills that are going to help me throughout my career. All these things are also going to help me do a better job in the Engineering Society in the two years I have left in this place.

Besides scheduling and re-scheduling meetings and class elections, typing up the oh-so-wonderful-and-enjoyable minutes, programming the electronic board in the caf, and trying to keep those bulletin boards clean, I can finally say that, after bickering and bickering at the Club Chairs, all the Club Constitutions are updated and politically correct. This is a first in I don't know how many years!

There are a lot of people I need to thank for making this year so amazing. First, there is Executive Council for putting up with all my spelling errors; Walter, James, and company for coming to renovate Eng Soc during Christmas; Dave, Caroline, Ruby and Sara for managing not killing anybody (yet) this year; Stu for not dumping me, and hell, I could go on and on. I better just leave you with some of the most common one-liners in the 1993-1994 minutes. Enjoy!

**Communications:** The Toilke Olike just came out... and it's not funny.

First Year: who?

Fourth Year: There are X days, Y hours, Z minutes and M seconds until Iron Ring!

SAC Council: SAC suckas.

Social: Not present.

Geo Club: They have a Club?

Mech Club: Elecs are punks.

Chem Club: See under Social.

Elec Club: Mechs are freaks of nature.

Comp Club: What the elecs said.

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**SECRETARY**

*Tanya Murua*

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The 1993 - 1994 Skule year has been something of a roller-coaster ride, as usual! Unfortunately, this year's downs have played a significant part in Eng Soc activities, many of which have had to be cut back to compensate for losses. Yes, losses. And I don't mean one's on the financial statements either. I refer to the shocking thefts that have occurred this year. Never have I seen such blatant disregard for other people's property.

First it was money, stolen from our pub proceeds, then the beer itself disappeared, all 31 cases from the beer fridge - 31 cases, no less, finally, our computer laser printing service, which had been running so successfully, was destroyed when thugs broke into our offices and removed hard drives, RAM and video cards from two machines.

It breaks my heart to think that these students, if it is in fact students, are stealing from themselves and their colleagues. You DO realise that it is YOUR money that goes toward operating the Engineering Society? Personally, I find it despicable that people find it necessary to behave in such a fashion. This year's Officers have worked extremely hard to improve the Engineering Society, so that all students can benefit from our facilities. I can only sense their heartbreak as they see their efforts so maliciously spoiled.

Looking on the brighter side, when the sun shone and the temperature rose above zero on the Celsius scale, this year was a lot of fun. Sometimes, the worst things bring out the best in people. The trials and tribulations of the past few months have certainly brought out strengths in many members of the Engineering Society, to name a few: Rowan's Golf Course crew, who had to rebuild Mini-Putt, with almost no notice after Grounds tossed out Brian's masterpiece made last year; Franny and the First Years who "bounced" back following the mutinous destruction of their Chariot; Sadia and Company organizing the CEC and Inga's efforts to motivate the Class of 914; Caroline, Ruby, Sara and Tanya kept President Dave on a fairly short leash, and everything that had to be done, was! The only thing left for me to do is wish the best of the best to this year's graduates and see you next year to those returning.

Julie Wilkinson

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**OFFICE MANAGER,**

"**GOD**"

Julie Wilkinson
A successful year for the Blue and Gold Committee has finally finished. Needless to say, the battle against boredom was won this year. Right from the start we were determined to give Skule™, and everyone else, the spirit they needed. So what if they canceled the Homecoming Parade? Not letting a minor setback stand in our way, we had a parade anyway, and displayed just how much spirit and technical experience Engineers have. After all, the float even withstood a siege. We were also the envy of all the other faculties/collages, who expected us to do something anyway.

Godiva week was a blast, with the Mr. Blue and Gold Contest, Frosh Hard-hat Competition and the major land war known as the Chariot Race. All accompanied by an assortment of events too numerous to mention in detail. Besides, they're all pictured in this book somewhere. Suffice to say that everyone had fun!

The L.G.M.B. had a most excellent year (see their write-up for details), and were in demand right from the start of the year, even by arts and science. Good show Brad! The Mighty Skule™ Cannon was present at all important activities, such as Homecoming and Godiva Week, many thanks to the Chief Attillator for coming out.

Most importantly, thanks must go to the members of the Blue and Gold Committee. Without their dedicated efforts (and extreme lack of sleep) none of the events would have happened. Risking missing someone, I would like to thank: Julie, Malcolm, Chris Butler, Christine, Sama, Nick, Ken, Chris Hiscock, Hodge, Dennis, Sylvia, Dave, Bogdan, Karen, Jim, Ashok, Walter, James, Ivan, Sarkis, Vince and anyone I may not have mentioned. I can only arrange these things, people made it happen!

To the population of Skule™, THANKS FOR COMING OUT!!!

Live Long and Prosper,
Rowan Wilson
Blue and Gold Chair

Hello and good-bye! Being Social committee chair was my last hurrah, and I hope you all enjoyed it! Oktoberfest was a giant beer barrel polka and Cannonball was, as the tired old cliché goes, a BIG BANG! A big thanks to all of those that helped me out with all of the organizing. James and Rowan for controlling all the rowdies on the buses to Oktoberfest. Jack for selling all those Cannonball tickets, too many to be in fact, it was more than a sell out. Thanks also to: Sama, for enduring the noise; Selda and Anton for marshaling; Walter’s ticket design (save your tickets, because they’re collectors items. Can you find the mistake?); Henry’s relentless posterizing; Christine and Ken.

Good luck to all of those who are actually coming back next year. Because, I'M OUTTA HERE!!!!!!!!

Ivana Strgacíć
Social Com. Chair
CHEM 9T4

SOCIAL COMMITTEE CHAIR
Ivana Strgacíć
Well it has been a long road for me and our illustrious Student's Administrative Council.

In 1991-1992, as the Engineering Society Vice-President: Activities, I tried to get SAC to see the benefit of a unified UofT Campus....yeah... right!

In 1992-1993, as the Engineering Society President, I tried to get SAC to see the benefit of working together...hand-in-hand with student leaders so as to strengthen the UofT Campus...yeah...right!

Well, in 1993-1994, as the Engineering Society Executive SAC Director, I tried to find out if it was at all possible for SAC to accomplish, achieve or decide on one, single, minute, tiny, little detail or idea of any kind...yeah...right!

SAC really does SUCK!!!

As always, trying my best,

Andrew Michael Steeper.

A Message from the Attilliator:

The Attilliator has few words but these:
  - Go loud or go home.
  - Once is never enough.
  - To all the infidels: Fuck You.

May thunder always echo in SKULE™ Halls.

The Attilliator
The Cannon Guard

CHIEF ATTIILLATOR, CANNON GUARD
**READ THIS, IMPORTANT MESSAGE**

Hey you, ya you the one who is about to skip over this write-up. What are you high, you realize that this is the first write-up from the Ads manager in this fine yearbook. This might very well be the most important write-up you'll ever read, well not really, and now that I have your attention you'll have to keep reading.

First off this just proves the power of advertising, you read up to here didn't you. So to all our advertisers in the Toike Oike, you got your money's worth. I would also like to thank them for placing the ads in the paper, you know who you are.

Well that's about it from the Ads manager. Good luck to next years Ads guy(of no specific gender) in finding ads.

Chris Mak,
Ads Guy.

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**ADVERTISING MANAGER**

Chris Mak

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**Skule™ (and the rest of UofT) Beats CF**

On Tues. Sept. 7 the engineering Flrosh and Flrosh patrol stood on front campus to take the annual Flrosh picture for the yearbook. It was great to see "Skule™ Beats CF!" sprawled across front campus.

That was simply the beginning of the University of Toronto Shinerama campaign. On Wed. Sept. 8th, UC, Vic, St. Mike's, Nursing, Rehab, Trin, and of course the Engineers piled into Con Hall for one of the loudest pep rally's of all time. When the video from the Canadian Cystic Fibrosis Foundation was played you could literally hear a pin drop. When 7 year old Gregory (pictured on full-page orientation picture), a boy who has struggled his whole life with CF, received a thunderous standing ovation from the crowd it was enough to bring tears to your eyes. Still, after all of the screaming and the yelling there was still work to be done.

The students canvassed in the streets of Toronto and raised money to the tune of $20,000.00.

On Fri. Sept. 10th the Shinerama bed race was held. Even with the rain, freezing cold, and broken beds, the contestants had a great time. Knox College and the Electrical-Computer Engineering club took off down St. George St. In the end the ECE was victorious.

Shannon O'Connell, Maria Bruno, and Kathleen Swistara, the Co-Chairs of this year's Shinerama campaign, would like to thank their committee, the Engineering Society, the sponsors, and all of the participants for their help in the continuing fight to find a cure for Cystic Fibrosis.

Editor's Note: For the record we would like it stated that "WE DID NOT DROP OUR PANTS!!!!!!" (Please refer to Toronto Star Section A Sunday Sept. 12, 1993)

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**SHINERAMA DIRECTORS**

Shannon O’Connell, Kathleen Swistara, & Maria Bruno (not pictured)
The past few months have been quite eventful in this faculty. The start of the new academic year brought with it renewed rivalries between the different colleges and faculties. Early in the new year our own faculty fell victim to a childish prank, and we, being weakened by years of complacency, were unable, or unwilling to react. In my earlier years at this faculty, I've spoken with many Alumni who believed that the spirit of the students at Skule™, was the highest in the University. I truly hope that none of these people have seen what this faculty has become. The Skule™ spirit that they spoke so highly of has become non-existent as the BFC. This message is in no way an attempt to trivialize academic studies. Everyone in the faculty is here to get the best education possible but numbers on a transcript are not everything. A large group of students has the resources to accomplish many things. Few people realize that after graduation their ability to change the world they live in will greatly diminish. This message is simply meant to encourage everyone to get involved with Skule™ and this University.

One of the last bastions of Skule™ Spirit left is the L.G.M.B. This dedicated group often gives their time not only to release the tremendous amounts of pressure that can build up while trying to earn an engineering degree, but also to represent this great faculty. Often while on band events, people will recognize us and say, "Look, there are the Engineers." They wouldn't simply call us a band. Lately, there have been fewer people showing up at band events. This is especially saddening to the Band Leader, who has been charged with safe-guarding the very Skule™ Spirit that makes this faculty unique. Soon this duty will be passed on to my Junior Band Leader, Walter Stoddard. I wish that my legacy were not in such bad shape. This is a difficult time where jobs are hard to come by. Students spend much more time studying than they have in the past. I wish Walter luck, his job will not be easy.

Joel Alo,
L.G.M.B. Band Leader

Walt's Two Cents:

Joel is right, but we can not allow ourselves to be saddened or discouraged by his words. Skule™ Spirit HAS been diminished. We have all felt it. Due to this many have forgotten what the L.G.M.B. truly is, what being an engineer means. Well, whether you need it or not, here's a refresher.

In spite of the tough times, the L.G.M.B. has seen the Jays win the World Series for the second time (we were in the streets celebrating both times afterwards, too). The University of Toronto's Varsity Blues Football team won the Vanier Cup as the band played on, at the SkyDome (Oh yah, by the way, we were the grand finale for the Parade of Colors that started the game, as the University's OFFICIAL band, and we were the half-time show, when we...err...allegedly burst an inflatable boxing rink!!!). Speaking of the Blues, Ron Murphy, their assistant coach retired this year. We crashed his Special Dinner (they were thrilled). Hey speaking about parties, we were "invited" to a great birthday bash, by arties!! (We're the L.G.M.B., everyone loves us.) Santa Claus Day Parade? Yes, we were in it! How 'bout the Superbowl? We don't remember much of it. We were at Mud Hen's Taps and Grill, a sports bar in Pickering, where the band to my amazement, consumed a pitch'er's each worth of BEVERages, and countless wings and nachos. Good thing the bar was treating! In addition to these special events, we performed our regular duties as the (un)official band of the Toronto Planets (roller-hockey), Blizzard (soccer), Argos (?????), Jays and Varsity Blues, all of which generally include season's passes. Naturally, we never forsake our own, meaning we were there to start this year's glorious Chariot Race, which ended in the surprise victory of the Eng. Sci's, their second in as many years (you will note that within this torne, the Chem's have claimed that THEY have won the Chariot Race. This is because they have BRIBED the Skule™ Book editor into LYING on their behalf (ED. NOTE: Lying is a bit strong...how about embellished). As the future Guardian of Skule™ Spirit and Tradition, I felt I should let you know the truth).

Joel's words, next to these, should move us; move us to act! The L.G.M.B. has felt the loss of spirit as much as if not more than everyone else. But we have survived! We have done well, and now that the hardship has passed, we will prosper! Join the band, share the glory, with spirit(s) and pride. Toike Oike, Toike Oike, Olhum te Chollum te Chay, School of Science, School of Science, hurray, hurray, hurray! 'Nough said.

Walter Soddard, Jr. Band Leader

(Walt, this was more like 10 bucks! :) - ED.)
The Skule Stage Band and Combo had another great year playing a variety of engagements which included Oscar’s at Hart Hoist. Cannonball went particularly well with the floor filled with people dancing to the sounds of swing and romantic jazz standards of the past.

The future of the band continues to look bright thanks to the strong turnout of F!rosh this year. The band and combo thank the Engineering Alumni Association and Associate Dean Malcolm McGrath for their continued support.

J.C. Warrington, Stage Band Director
Chris Colohan, Stage Band Manager
The Orientation of 9T7 instilled in the already enthusiastic F!rosh a feeling of Skule™ Spirit and loyalty which will last a lifetime. Like the mighty Skule™ Cannon, purple and yellow will be forever ingrained in the memories of the F!rosh. F!rosh Nite was a drunken success—perhaps an attempt to forget the humiliation of Shinerama. Revenge will come....

The most practiced and widely useful skill learned in 1st year is that of dart making. The F!rosh of 9T7 showed off their blowing skill in a dazzling and populous display as they mutilated a gesturing mouse.

The F!rosh Chariot of 9T7 was a towering mass of indestruction. The upper years tried (in vain) to hinder the progress of the mighty chariot as it plowed unstoppably around Front Campus toward inevitable victory. Many humble Club Chairs begged shamelessly for the privilege of calling the F!rosh chariot their own at the next race, but their cries were left unanswered. Among other equally as sought after bribes, the Judge (and MMS) was awarded the mighty but recently incapacitated Yellow/Purple Chariot.

All this in just 5 months. The F!rosh of 9T7 clearly rule the Skule!

By Frandace

The long awaited year 1994 is finally here. This is OUR year, the year we accept our well deserved iron rings, receive our degrees, and leave the buildings of SKULE™. This is a happy time for all of us, but also a sad one at that (NOT!). We must now part in our own separate directions, say good-bye to most of our friends and face the challenges of the harsh world. However, the spirit of SKULE™ will always live in our hearts. The cherished memories of true friendships, good times, and shared experiences will always accompany and comfort us throughout our lives.

To all my friends at SKULE™ who made my journey to Convocation Hall much easier, Thank-you. To the class I'm proud to be a part of, MECH 9T4, thanks for the laughs, your help, and support. If it wasn't for you, I would not be here today. I will never forget you and I will really miss you! Last, but not least, special thanks to all the members of the Fourth Year Committee who devoted the time and efforts to help make this year a memorable one for our grads.

Best wishes for the future to all the graduates. Thanks for celebrating our last formal, GRADBALL 9T4, together. To my successor, good luck next year. May your graduating class be half as great as Class of 9T4!!!
It has been a busy year for the Academic Affairs Committee. The Faculty Committee on Undergraduate Studies has been working diligently to change the third year curriculum from six to five courses. Teaching Methods and Resources Committee have been striving to improve the Course Evaluation Forms. Their was a push to rejuvenate Faculty Committees that have not convened in years. The Faculty has set up a Steering Committee to recommend a strategic plan of action for the faculty in the upcoming years. A Biomedical Option has been added to Engineering Science this year, and by next year there may be an Environmental Option. According to the Dean, student involvement on these Faculty Committees was "invaluable". I would like to thank all those students and Fac Reps who attended Faculty Council and made their presence felt. I would especially like to thank those Fac Reps who took it upon themselves to get involved with one or another of the Faculty Committees -- your effort was greatly appreciated. I hope you all had as much fun this year as I did.

Gidon Lenga

So, what the f**k is the CFES/ESSCO Liaison? A guy with too many acronyms on his hands, obviously! Actually, I was the U of T representative to these two separate engineering student bodies: The Canadian Federation of Engineering Students, and the Engineering Student Societies Council of Ontario - get it? As well I was the ESSCO Newsletter editor - hopefully some of you saw the newsletter during the year --> if you didn't let me know!

The basic purpose of ESSCO is improve communications between engineering student societies on the provincial level, to facilitate (big word!) the flow of information. ESSCO unites the 13 engineering Skules™ in Ontario (yes, we count Rye High! oh well.) and represents about 14000 students. CFES has much the same goals, but unites the 40 accredited engineering Skules™ across Canada, and allows the discussion of common issues and goals. As well, CFES has contacts with various professional organizations in each province.

What'd I do this year to get my picture in this book? Well, there was the ESSCO AGM in the summer, where issues such as the OEC, communications, the PEO and many issues affecting us all as engineers were discussed. I also attended the PEO (Professional Engineers of Ontario) conference in Waterloo, where I learned about many issues concerning engineers after graduation. I didn't attend the CFES AGM in Calgary this year, but I hear the skiing was good!

There are reports on all these conferences (including the Calgary one...) available from Caroline, our lovable VP-X; I urge you to read them, especially the reports from the PEO conference so you can find out more about how the coming changes in experience requirements for your P. Eng. are changing.

With our continuing contact with these two organizations, Canadian engineering will grow in numbers and strength!

(Oh yeah, the CH150H side of the conferences was good, as well as the femmes [grin]!)

...IRON RING HERE I COME!!!!!! hahahahahaah

Keith Ajmani
Communication Chairs / Handbook Editors

Germain Beaudoin

I think this year had to be the year of change in Eng Com; that is the people kept changing. The summer began with the Communications Chair leaving the Faculty. In September, a by-election was held and I was chosen as Eng Com Chair. This was followed by the Darkroom Manager that disappeared, the Cannon editors that were busy, an Ads Manager who was burnt out, and a Toike Editor who also left the Faculty. This had to be some kind of curse. Why did I deserve this?

Well, actually all was not bad. The yearbook went really well this year (as you can tell) thanks to the saving grace of Sharleen. Eventually things started to straighten out, and everything started to happen. Thanks to Ed for the rescue of the darkroom and Chris for getting AD$. I am also grateful to Henry for having chosen a capable successor, that being James.

Now I remove my orange hard-hat and put on my green one to discuss the Flrosh Handbook. I edited the Flrosh Handbook (sans Eng Com Chair) this year. It took many hours, actually, many days, well Ok, weeks; months. Everything worked out fine except the cover. The colour of the cover was wrong, it was supposed to be a different shade of blue. Come to Eng Com and we’ll show you what it was supposed to look like. Many thanx to everyone who helped. I hope all you Flrosh got one. I hope all of you who got one read it. I hope of all of you who read one liked it. Good luck to next year’s editur (Julian, the dumb flrosh).

Germain Beaudoin

Graditude gives graduating students an opportunity to give something back to Skule in the form of a charitable donation. The money raised goes towards the purchase of undergraduate lab equipment. GRADitude was started by engineers in 1984, and was soon adopted by most of the university. The funds raised since then and the participation rates have steadily grown. The class of 9T3 pledged $93,000 to Skule last year, with 88% of the students making a donation. We hope the class of 9T4 can improve on this impressive gift.

If you are a graduating student reading this, then you can take pride in the fact that you are investing in the education of the students who will come after you, just like the pioneering class of 8T4 invested in our education. If you not graduating then you should feel proud that you upper-classmen found it in themselves to donate money to your education, and think about the reasons why you should donate money when you graduate.

Finally we would like to thank the class of 9T4 in advanced for the generosity they showed to Skule

GRADitude Co-Chairs
Shireen Lee
Alex Hatzivassilis

GRADitude Co-CHAIRS
Shireen Lee & Alex Hatzivassilis
This year saw the introduction of a new form of The Cannon (not the one that goes 'boom'). Printed on transparent aluminum, the new Cannon was considerably more durable than previous years, but very hard to see. Increasing its circulation from 14,000 copies up to a full Canadian production of 45,000, the paper expanded distribution to include the U.S. and Mexico, in preparation for NAFTA. Despite a law suit early in the year over errata in the paper that mistakingly claimed that Bob Rae and Karl Marx were one and the same (ever seen them in the same newspaper), the paper managed to prevail. A mid-term decision to merge the Cannon and the Toike proved to be an utter waste of time, as who wants to read a really dull Toike? And through it all, the thick and the thin, the Cannon editors continued to act with the grace and dignity appropriate to their titles. A special thanks to Justin Bowler (Eng. Sci. 9Twho remembers) for showing us how it's done. All in all, it was a thrilling year, what with the middle-east peace process, and the introduction of the Chia-Pet into the virgin Eastern European market. We managed to report all the truly important news (that should tell you just how much important news there was all year). Some advice to next year's editor(s): Don't take shit from anyone, and refuse to do anything until the Communications Committee gets its act together. It worked for us, they never got their act together (ergo...). Well, we're off to graduate, so goodbye all you poor slobs who still have three more years to go!

Aviv and Ivana

CANNON EDITORS
Aviv Gladman & Ivana Strgacic

This is the national magazine for Engineering students. Since its inception in 1984, Project Magazine's primary objective has been to serve as a forum of communication for engineering students across Canada. To meet this goal, Project Magazine is distributed to every engineering society across the nation, thereby providing an excellent medium for the unification of Canadian undergraduate engineering students. (thank you Sam Nassif for that wonderful intro, heh)

Project Magazine was created by CFES, the Canadian Federation of Engineering Students. Currently, Project Magazine is head-quartered at Ecole-Polytechnique in Montreal.

This year, University of Toronto Engineering was able to contribute articles about our Orientation, CEC (the Canadian Engineering Competition - head-quartered in Toronto this year!), and the PEY in Japan program. Thanks to Sara Volo, Sadia Lone, Richard Lin, Jeff Zhorab, and the PEY office for articles contributed, and to people who will be contributing articles after this sentence has been typed. Especially, thanks to Caroline VPX who knows what I am supposed to do better than I do.

Lillian

PROJECT MAGAZINE REPRESENTATIVE
Lillian Kulhanek
Returning to Skule™ was one of the best things to happen to my life. After 5 years of working in the software industry, U of T was a refreshing change. It’s one of the few moments in your lives when you will able to make good friends and drink lots of Beverages - YOU SHOULD LIVE IT UP!!! However, I’ve returned expecting to see the Skule™ I left in ’88. What we’ve got now - as some of the Eng. Soc. reps have described in their commentaries- is a lack of Spirit. Unfortunately, the yearbook write-ups were due right after the Eng. Soc. vandalism in Jan...the people Eng. Soc. aren’t always this depressed (In fact, most of the time it’s one big party here).

The reason why everyone is so concerned about spirit is this: when we’re weak, it’s easy for the faculty to remove certain privileges, such as orientation time. Why should they give more time to Eng. Soc. if no one’s interested? Could you imagine an orientation full of guest faculty speakers and no socialization?!?!?!?!

(don’t get me wrong, I believe there’s a time and place for learning about your future, but meeting people would also be nice.) Once a privilege is taken away from us, it’s very difficult to get it back. So, how do we get people involved? Participation. I’ll give you an example. The Skule™ Book staff this year is the best staff any skule™ organization could have. They helped out when they had time, and fit the yearbook into their schedule. AND get this: over HALF of the staff are ELEC/COMPS and/or with honors standing. You’ve got to let the scholastic pressure out. Just look at this Eng. Sci. 9T4 who studied too hard in Aero.

Bad news. Well, to prevent this you can join next year’s staff (or the LGMB- Walt.)

Anyway, on a totally different topic, I’d like to thank my husband Ed Howie for all his efforts as Photo Editor for this yearbook - he’s responsible for the outstanding photo quality this year. (Note: After 6 years of procrastination, we finally tied the official knot in Dallas, TX on May 15, 1993, and for our friends who couldn’t make it to the wedding, I’ve included a picture on this spread.)

A special “thanks” goes to Julie for her invaluable help in ads and to Chris “Big Mak” for his outstanding help in everything.

Also, I’d like to thank the Skule™ Book staff of 9T4 for contributing to the BEST yearbook SKULE™’s had. I’ve listed the staff below - and some people are listed more than once (are these guys well rounded or what??).

Look for people wearing Skule™ Book T-Shirts - the latest in Eng. Soc. Fashion, and tell them how you like the book.

Sharleen Sy,
Skule™ Book Editor-in-Chief

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**Photography & Darkroom**

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**Sports**

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Above: Briana, Adriana, Jack, Nathan  
Top Mid.: Angela,  
ottom Mid.: Sharleen & Ed,  
Top Right-Bottom: Nelson, Enrico

Skule™ Book  
Staff Continued:  
(Left to Right)

Top Row: Lisa Klazek, Brock Rowlands, Lou Ponzani, Ilan Kelman, Germain Beaudoin

Middle Row: Mina Chan, Zoeia Huezo, Tanya Hum

Inset: Chris Mak

Bottom Row: Sam Sebastian, Pierre-Paul Sauvé
SUDS STAFF:

Managers: Bogdan Osadet, Karri Paradi

Staff: Lillian Kulhanek
      Shannon O’Connell
      Kathleen Swistara
      Ken Gower
      James Wysynski
      Taras Kohut
      Vince Borghese

WANTED: 2 TRUANT ENG. SCI.'S

Nick Dinadis (Archivist) & Ross Rock (Speaker)
for not submitting write-ups. We even had to use last year’s pictures!
1993 and 1994 have seen some big changes in the format of the TOIKE OIKE, some of which have been better received than others. In the end, I'm more than confident that the overall opinion of the TOIKE OIKE has risen dramatically, especially in the eyes of the ever watchful faculty. Y'know, Dean Charles liked it so much he offered me the TOIKE money! If that isn't approval...

Anyhow, here's what happened in a nutshell. The CANNON disappeared. It surfaced only once this year, and that was none of my doing. The BFC didn't steal the TOIKE this year. Again, I had nothing to do with that. The TOIKE was twelve pages long for every issue, and all eight issues were fully distributed, thanks to Ashok Soni and his army. I do believe that this is a first in a while. The TOIKE contained more relevant articles, features and reviews than ever before. The TOIKE had a higher quality of humour than in the past few years. The TOIKE had more paid advertisement than in the last few years.

Do I sound high and mighty? Well I think that I did a lot of unapplauded work, as did every member of the TOIKE staff, which has been the best I've ever seen. I hope you all enjoyed reading the TOIKE OIKE as much as I enjoyed editing it. It has been fun, folks!

Thanks to the following who went above and beyond the call for the TOIKE OIKE:


I wish next year's TOIKE OIKE editor, James Armstrong all the best, and good luck juggling the TOIKE and his problem sets and assignments!

Henry Pedro,
Toike Oike Editor-in-Chief
The Women's Issues Committee is made up of both women and men. Together we work to create a welcoming environment for women in Engineering - to integrate men and women and ensure that everyone is heard and understood.

This year began for us with an Orientation Week Wine & Cheese. As it is every year, the event was well attended by a large group of hungry individuals. Cheers to Dean Malcolm, Penny Seymour and Barb McCann for braving the hordes.

As the year progressed - and after much debate and donut consumption - we hosted an evening of discussion on Gender Issues. Thanks to all who attended - these are sensitive issues and can be difficult to talk about. In March, we were able to give a special welcome to the F'thosr women, as we hosted an evening of discussion for F'thosr Women is Engineering. The informal gathering was positive and - we hope - let the F'thosr women feel a little less isolated. And finally, we were able to put some wicked T-Shirts out on the market.

On a more serious note, the December Memorial service for the victims of the Montreal Massacre was held on the last day of Fall term and was well-attended. It was a quiet candle-lighting ceremony, where the names of our fellow students were read aloud and a minute of silence was observed. It is encouraged to see young engineers came together to remember and to work for change.

Perhaps the most encouraging to see was the initiative of our male committee members, who took it on themselves to organize the Engineers' own White Ribbon Campaign. And I think it said a lot for all of male colleagues when the ribbons sold out in two days. Thank you for your support.

It has been a pleasure and an honour to work with the members of this committee. The dedication, determination and guts they put into every meeting and event show the true Skule™ Spirit to which we all aspire. In must thank to following individuals for their tireless belief in the Committee and its goals:

- Joel Alo
- Karen Lev
- Germain Beaudoin
- Bogdan Osadet
- Christine Bense
- Andrew Sadavoy
- Ken Gower
- Walter Stoddard
- Adriana Ieraci
- Larry Tong
- Alex Hatzivassilas
- Dave Vendramini
- Leigh Kivenko
- James Armstrong

This is a special group of people. They have been a great inspiration and will undoubtedly serve their peers and community well in the years to come.

Thanks, folks!

This year was full of great things: the Blue Jays winning the pennant, the Blues winning Vanier Cup, the Eng Sci's winning the chariot race (second year in a row!!), the stores loosing space... the list goes on. The loss of space actually made the stores look more spacious. Maybe that's what encouraged everybody to buy stuff because this year, the stores was out of the red, and into the black. More likely it was the work of the staff: Andrew, Gabi, Mike, Ruth, and Toba. But most of the credit for keeping the store flying goes to Julie. Thanks Julie, for opening, closing, ordering, and generally doing my job.

James Armstrong,
Stores Manager
The Professional Development Committee is one of the best kept secrets of the Engineering Society. No one knows what it is or what it does. But unbeknownst to all, the Professional Development Committee has been having a great year this year.

Basically, this committee is supposed to help engineering students prepare for their professional careers. So, this year, we invited several speakers to come into the faculty to talk about professional topics, such as grad school, the PEO (Professional Engineers of Ontario), the options for choosing a fourth year thesis, and the advantages of getting an MBA degree after your engineering bachelor's degree. We also attended the Engineering Professional Development Conference at Queen's, to get an idea of what kind of skills students need to acquire before they enter the workplace. Finally, we are working on ways to improve our professional image with high school students, so that we can lure more unsuspecting Frosh into the hallowed halls of the School of Practical Science.

Thanks a lot to everyone who helped out this year, and best wishes for a great summer (with a job!) and over the next year.

Johanne Held

What would you say if someone offered you the opportunity to get away from school for sixteen months, to add an invaluable amount of career related experience to your curriculum and at the same time make a pile of good Canadian dollars?!

If you would say YES, then contact Donna in the Professional Experience Year office in SFB70 or call her at 978-6649. If you would say NO then contact Donna in the Professional Experience Year office in SFB70 or call her at 978-6649 to find out why you should say yes. The Professional Experience Year, more commonly known as PEY, is a cooperative education program that places students in companies like IBM Canada, Bell-Northern Research, Warner Lambert, and Ford Electronics for sixteen months allowing students to get really involved in the business.

For those students that are currently participating in the program, the Professional Experience Year Club was formed. The purpose of the Club is to keep in touch with current PEY participants and to deal with issues that might affect them. This is the second year that we participate as an affiliate to the Engineering Society.

This year the PEY Club was involved in organizing and participating in different events. The executive committee of the club was formed this year by Elizabeth Kam, James Domine, Lauren Wu, Shireen Lee, Mark Pustilnik, Jeff Zhorab, and myself. We addressed issues like extending the coverage of the medical insurance for PEY participants, and the recognition of the PEY experience as part of the PEO experience requirements. We also organized information seminars and receptions for the PEY participants. We kept in touch with the current PEY participants by mailing to them the TIKE and other SKULE™ publications.

Well enough of this information stuff. I hope that if you are still reading this it is because you are interested in participating in the program so come down and visit us at the PEY office and if you do then I should switch careers and move into advertising... good luck and see ya! (proper foreign language translation: Hasta la vista!)

Carlos Manuel Sanchez Valle
PEY Club Chair 93-94
For the thousands of you out there who are in awe of my abilities as Chair for this committee, wait no longer to learn my secret!!! Indeed, maybe I should be paid for every word I put to paper. O.K., maybe not. This has been a great year for the committee and I really think we managed to scare away fewer pre-Frosh than last year.

The High School Liaison Committee had a very productive year in 1993-1994. The Frosh-For-A-Day programme, held for two weeks in November, brought almost 200 high school students to Skule™ where we managed to dazzle most of them with our spirit and (ahem) intelligence, and only frazzle a few. To all the people who signed up and gave many hours of their time as tour guides and information kiosks, a thousand thousand thank yous. Also, a special thank you to all the pizza eaters (vacuums?) who helped to consume many (many, many) pizzas. (m.y I never have another slice - Amen.)

Reading Week Visits were yet another great success story for HSL this year. For those of you who have no idea what I am talking about, during our Reading Week vacation—when you were probably (ha!) studying—many of our students returned to their old high schools and gave uplifting, spiritual pep talks of the joys of being a U of T Engineering student (once we told them what those joys were). This programme is a very valuable and fun way to influence others to follow in our footsteps. I hope those of you who have never participated do so next year.

Lastly, as I write this, a group of dedicated students headed by Germain Beaudoin, our Communications Chair, are preparing for Skule™ Daze, a weekend to be held in May when applicants to the Faculty will visit us and be convinced that Skule™ is where it's at. This event hopefully will become an annual event, so get involved now!!

I would like to give my very special thanks to two people, Shawn Glowaski in the Office of the Registrar for all the time and help she and the Faculty gave me this year, and especially to Julie Wilkenson, who, as everyone knows, really is God.

I hope more people get involved with Skule™ activities next year. I have never had so much fun as I did this year working with some of the greatest people you'll find anywhere. I need not give names, because you know who you are!

Have a great summer, everyone, and bring your spirit (spirits?) back in the fall!!

Karen Lev, Chem 9T6
Chair, 1993-1994

This committee organizes a weekend in May for high school students to come and spend the weekend with us to learn about U of T Engineering. Let's pretend that it's May (even though it's February) and that this event has already happened. This year Skule™ Daze was a great success (I hope). We had a turnout of 120 students and 30 Skule™-man and women and gumbies to help out (I think). Everyone had a great time (I aspire) and the entire weekend went on with no problems (I pray). Thanks to my tiny but dedicated organizing committee i.e. Julian, sub-chair of Sponsorship; Allan, sub-chair of Publicity; Jason, sub-chair of Food and Accommodations; Mike, sub-chair of Design Project; Sanjay of no last name, sub-chair of Social; William, sub-chair of Guest Speakers; Bala, sub-chair of Faculty; Sally, sub-chair of Communications ...uh... Coordinat... uh... T-shirts... uh... Stuff, and Angela, the awesome and amazing artist. Good luck to next year's chair (I'm done).

Germain Beaudoin
Skule™ Daze 9T4
No, I don't have a job yet. I am ready to get one. This year we did a lot to help you get one. There was Engineering Career Day lots of students showed up, too bad I can't say that for the companies. Next there was the Engineering Summer Employment Seminar, there was a good turn out for that one. What else happened this year, rumour has it I was in Montreal. All I can say about Montreal is that I have no recollection of the aforementioned incident, anyways I was not in charge. That's getting off topic, more about employment. We implemented a message group on the ecf so that people can keep abreast of events being held at the Career Center. I'm sure that all the job fairs went well. Hopefully the referendum passed and the Engineering Employment Liaison Office still exists. I think it's a good idea to have someone out there telling employer's to hire us. Well, that's all from me. The only thing I can say is that balding is beautiful (Jean-Luc Picard, Sean Connery, Telly Savalas, etc.). Go to the Career Center on a regular basis, use their services and be positive, things will get better.

Aris Kalafatis

The Engineering Liaison Office markets U of T engineers to prospective employers and is committed to giving U of T engineers a competitive edge over engineers from other universities. Specifically, we work to increase the number of permanent and summer employment opportunities available to U of T engineering students. We organize numerous activities, publish a newsletter full of information about engineering employment, and work closely with the Student Employment Chair (Aris Kalafatis for 93/94) to make engineering students aware of employment opportunities.

1993/94 was another challenging year for this office. In spite of the continuing recession, we managed to attract a number of firms and over 1500 engineering students to Engineering Career Day '93. We hosted an Engineering Summer Job Search Seminar in January to help students acquire some of the most essential summer job searching skills. In addition to these activities, the Engineering Liaison Office marketed U of T engineering students to over 2,000 companies.

For those of you who are graduating this year, congratulations. I hope that our efforts have been of assistance to your job search. Those of you who are still job searching, please take the time to visit the Career Centre and take advantage of all that we have to offer. Explore our seminars, panels, library resources, Extern Program, and employment services. We're just across the street, so drop in for a visit. Finally, to those of you who will be graduating next year... START YOUR JOB SEARCH EARLY!

Terry Johnston
It was wild... it was wacky... and it was weird...

From March 3rd until March 6th (1994) 100 undergraduate engineering students from across this country (and probably about the same amount of Skule™ inhabitants) converged on the luxurious Novotel Hotel in downtown Toronto. Although the hotel did survive, the media, students, faculty, guests, roving members of the public, and our Eng Com Chair all agreed that the weekend was more than a lifetime...

It was: THE 1994 CANADIAN ENGINEERING COMPETITION!

This annual design and communication competition is the final for the four regional engineering competitions (Western, Ontario, Quebec, and Atlantic). Competitors are invited to compete in the CEC only if they place first or second in one of the regional competitions, so the CEC showcases the most innovative and most intelligent engineering students in the country. The contest is entirely organized and run by undergraduate engineering students, and for the tenth anniversary of the competition, everyone knew that only the best would do.

So, under the auspicious leadership of Sadia Lone, Skule™ embarked upon the quest to host the finest competition ever. Sponsors were asked for support, media were contacted, volunteers were enlisted, the CEC'93 office was possessed, BEvERages were ordered, the fridge was repossessed, and CEC 1994 was headed for the top...

This year was also the first year of Canada First, a high school robotics competition, and so along with the BEAM Robotics Competition, we created Techfest '94 and stormed the weekend of March 4th and 5th. National Engineering Week came after, giving Canada a dose of engineering and technology from which it won't soon recover...

But after the months of planning, sleeplessness, organizing, marks obeying the law of gravity, and meetings, the competition came and went, thank you letters were mailed, bottles were recycled, computer files were erased, bills were paid, and the office was closed down for the last time...

CEC'94 was over.

Chair: Sadia Lone

Executive: Adriana Ieraci, Samia Lewis, Sylvia Wong, Ilan Kelman, Germain Beaudoin, Nick Palozzi, Lawrence Grymiewski

Other Significant People: Lily Shum, Katherine Zukotynski, Ljubica Bradic, Laura Leigh Nonis, Andrea Nagy, Adrienne Cheching, Yonne Ying, David Cooper, David Tan, Martin Bonert, Stacey Crane, Sunil Sebastian, Sean Leighton, Will Leizerowicz (?), David Frank, Shannon O'Connell, Caroline Zywulko, Mike Stariognannis, Jason Ettore, Sylvia Squair, Stan ?, Amir Meidan, Keith Ajmani, Nick Itsou, Mike Bayley, Julie Han, Trudy Kao, Julian Wright, Edwin Lau, and many others who we were too benighted to remember.

Everlasting Thanks to: Julie "God" Wilkinson, Kim Luke, The Dean and the Faculty

By Ilan Kelman

CEC STAFF

Eng Soc
The E.A.A, governing body of athletic things, had a unprecedented year (same as always). A plethora of old and new talent (ringers and rookies) contributed to a land mark year (we won a few games, but not football). The results were definitely encouraging, (we had lot's of fun) Of note: women's hockey, men's rugby and men's hockey. Attendance at our athletically informative monthly meetings was surprisingly high (beer and pizza).

Teams representing "SKULE™" attended various tournaments at universities throughout the province and continued the tradition of sporting excellence. (not to mention sporting hangovers)

The year culminated with the annual engineering athletic awards banquet known as the S-Dance. Players from every team were invited for an evening of dining, dancing, drinking and the presentation of awards for outstanding achievement and participation in SKULE™ athletics. The party continued until Hart House kicked us out.

I would like to thank the executive and commissioners for their time and effort. Thanks to Karen, Rodney, Al and Leigh for a job well done. Special recognition must also be given to all the players on every team, without whom engineering sports would not exist. To those who had no part in engineering athletics: GET OFF YOUR ASS, come out next year and join in the festivities!

Dave Lotocki,
E.A.A President
Depending on when you read this, substitute the appropriate tense.

"Wow! It made (will make) Second City look like amateur night." - Now Magazine
"Unbelievable! Underestimated! Unfathomable!" - The Globe and Mail
"It sucked (will suck) big time and made (will make) fun of us" - The Varsity
"I especially liked the bits about the sheep." - Skule™ Book 9T4 Editor
"I laughed and laughed and laughed. Then I sued them." - Premier Bob Rae

This year's Skule™ Nite was (will be) a tremendous success. Presented (To be presented, so buy tickets!!!) at Hart House Theatre from March 9-12, the show soared (will soar) to ever greater heights in its search for the ultimate in comedic entertainment. More powerful than Turing, more exciting than shredded lettuce, better able to handle run-time errors than C++, Skule™ Nite 9T4 went (will go) where no others have (will) ever dare to tread.

Coupled with a terrific motto ("Skule™ Nite 9T4 - If you're not offended, you're not worth insulting"), and some of the funniest material ever spewed forth by our writing staff, this year's Skule™ Nite is a sensation not to be (have been) missed (so if it hasn't taken place yet, go buy a ticket for yourself and all your friends!!!)

(Stolen excerpts from the '91 Skule™ Book to fill up more space)

Skule Nite 9T1, oops, 9T4 managed (will manage) to capture all the spirit and energy of Skule™ Nites before it. Although the Pulitzer committee managed (will manage) to overlook Skule™ Nite for the 68th, ahem, 71st consecutive year, the show received (will receive) rousing ovations from all four audiences, which included hundreds of thousands of friends and relatives.

All in all, a good year. Good luck to next year's production staff, cast, and crew. And a piece of advice: Don't fall off the stage!

Aviv Gladman, Skule™ Nite Producer
Andrew Scott & Victoria Kyoko, Skule™ Nite Co-Directors
By the time you have read this, this project will be finished. I hope.

Yes, it’s that wacky person (well, one of many) who’s been sneaking about with a video camera getting all of your worst moments on tape. For those of you who are wondering why, we at Skule™ Video have been putting together a promotional video about our fine Faculty of Engineering - one directed and edited by the students. Yes, those caught on film will be seen by high school students across Canada. No, I am not running a dating service (bribes of BEvERages will be considered, though)!!! And they say it’s hard to get in the pictures.

I really have to thank all those people who’ve helped me out: committee chair Caroline Zywulko (who put up with never knowing what I was doing), Andrew, Angel, Sylvia, Marcus, Sadia, Bala, a number of guys named Mike, and all the others. You know who you are. And thanks also to those who didn’t come through on their threats of death when they saw me filming them. Do you forgive me?

So smile. Big Brother was watching you.

L. Samia Lewis

K.E.S.A. - the Korean Engineering Student Association is an organization established by U of T Engineering students of Korean origin to bring them together through discussions, sports and diverse cultural and social activities. Recently KESA’s development and growth has been rapid and this year, more than 100 of honorary and regular members are enjoying the benefits and activities it offers.

Lead by the president, Nam Suk Choi, this year was the most successful and exciting more than ever. Starting with Frosh Initiation Party in September, many fun and enjoyable events such as October Picnic, Bowling Tournaments 1 & 2 and Ski-trip in December. Also, in every two weeks, gym nights were held at Hart House for the numbers to come and release the stress from studying through volleyball, basketball, softball and etc...

Furthermore, executive members are working hard to organize a team for an engineering competition for next year and bring about events to share the knowledge of Korean Culture, and tradition with students of non-Korean origin in the Canadian Society.

Cheer to all members who made it a success.

Also Articles, Essays and Poems for the brand new newsletter should be submitted to KESA mail box at Eng Soc. and Check out the new bulletin board in the cafeteria.

by Jessie Yoon
If you want to know what CESA, Chinese Engineering Students’ Association is all about, picture this:

So you're sitting in the SF caf madly copying this endless problem set that's due in ten minutes, and you're wondering what it would be like to be chillin' out, just hanging around with your buddies at one of those amazing CESA dances. Then another thought strikes you...hey, why read on reading week? What about hitting the slopes on the CESA ski trip, riding those smooth, snowy waves, doing some stunts and playing it cool until something hits you, you can't ski. Not to worry, you'll stick to one of the more subtle but not too modest sports, maybe join one of those CESA tournaments and win some gold. Or maybe it's not your style and you'd rather be up on a stage at a CESA show, showing them your stuff, strut ting around for a number or two while people scream and applaud for you and you become Elvis for the day. Next thing you know, you hear this annoying beeping sound. You take a look and it's your watch. Already time for class but you're still on the first page. So, you give a shrug and you decide what the heck, there are always other problem sets, other assignments and other faculties, and hey, there's always CESA!

Jeff Foo,
CESA President
Can you hear me?

Sy Sperling eat your heart out.
'scuse me, do you mind not staring.
Now this is a STICK.

Who was that masked man?
Watch out she bites!
Events
SKYDOME
WINS VANIER CUP
AYS GAME

Events
U of T Day was a great success this year. Hundreds of visitors flocked to the campus to learn about our illustrious Skule™.

Several presentations were given by the various departments of our faculty including a concrete strength test, a geotechnical display, an experimental vehicle, a virtual reality demonstration, a remote controlled blimp, a magic show, elec stuff, and a display of various metals and biomedical implants.

In addition to the presentations there was a second year Mech design competition. A large crowd gathered to watch as hooks, formed from ABS plastic, were joined together to form a chain. The chain was then pulled taut and the onlookers gawked as the hooks snapped one by one.

The Engineers (despite SAC's disorganization in canceling and reinstating the homecoming parade), once again, showed their Skule™ Spirit and lead the parade. In fact they were the only float in the parade. To thank SAC the Engineering float cruised by 12 Hart House Circle where its crew proceeded to debark the ship and devour free food. The crew then returned to the ship, orbited the circle and proceeded to bombard SAC with water balloons.

Overall, U of T Day was a fun and informative event for all.

Germain Beaudoin, CHEM 9T6
Shit, its going to blow!

The cannon guard taking out the symbol of our Skule.
It was a dark and stormy night. Lightning flashed, thunder roared, a pounding rain began. It was a good thing that I was practicing outside. Disheartened by my attempts to create the perfect home-brew from the raw ingredients and magical hocus pocus, I turned up my collar and walked home. Halloween was coming and I couldn't master the entry spell into Inorganic Chem II. All I wanted to conjure was a mug of good home-brew. I trudged through the cemetery to calm my nerves. The final was in two nights, what was I to do? So I took my sorrows to my friend, the engineer. He was busy doing a problem set. Typical. I'd thought about becoming an engineer but it was too much work. I explained my problem to him. He said, "If you want good beer, do what I do, go to Suds™. I though about it for a while and then said "O.K., let's go, my treat". I've never seen a problem set finished so fast.

After drinking BEvER-ages at Suds™, I realized that I held the solution in my hand. A bottle of beer from the pub and some stage magic and I was a member of Inorganic Chem II.

Brock Rowlands, MMS 9T6
Sitting in Bogdan’s residence room, sipping a few beverages, a strange conversation began between me and my friend. Bogdan is the manager of Suds™, and he was looking for a new promotion for the pub — DRAG SUDS was the outcome.

So the brave souls dressed in all their new finery and makeup and went off to Suds™ to wow the crowds and maybe pickup a few new recruits. I know I definitely felt comfortable in the 4” high heeled boots, just like the others did in their new footwear. We just wished we could wear them every day.

We must have looked good because an engineer who shall forever remain nameless, while attending the event, lost control on seeing one participant’s shapely legs and stunning bum. The cross dresser in question had bent at the waist, innocently adjusting an errant stocking. The engineer must have fallen in lust and found her?! to be an irresistible temptation for he walked up and pinched the temporary transvestite’s butt ever so lovingly. The drag queen then stood up to see who was paying her?! such a complement. She?! must not have been what the engineer was expecting for he squawked then fled. Could it have been the beard?

A fantastically degenerate time was had by all and that includes the sundry 'normals' in the crowd too. The women were not outdone, they showed us they could cross dress with the best of them. Thanks to all those who helped the sluts with makeup and clothing tips, and to all those who made Drag Suds™ possible.

P.S. Dennis is considering a permanent transition, while I vow to remove my facial hair next time.

Madam X SNM 9T6
ADOPY-A-
HIGHWAY

Friday, September 11, the Engineers adopted Highway 27 and cleaned it up. Sylvia Squair-the Chief Bag-Lady organized the outing.
Franny and Chris - 2 outgoing f/rosh were the wieners of the F/rosh hard-hat contest. All the entries looked great this year.

Is Con Hall on fire? No - its the Cannon guard and the Mighty Skule Cannon.
The Suds before Exams included lots of BEverages, lots of people, and gifts including a Led Zeppelin tape for Bogdan. Ed, our Santa this year, survived the ordeal, however an over zealous fan jumped him during the gift-giving, screaming "I want you, you big hunk of man!".

Eng. Soc. greets our Goddess of Paperwork, Julie.
During Godiva Week, the annual Mr. Blue & Gold contest attracted some pretty interesting individuals. Steve Dobson, the Phantom of Skule™ (say... didn’t he graduate in ’91?) showed up and was persuaded to enter. Spirits were high... since all were drinking spirits. We even had a couple of eager Frosh enter - one of them was an Eng. Sci.! After the swimsuit contest - which included everything from scuba gear to toga’s - came the talent and question areas. Herbie gave Bogdan a massage and James came out in a diaper (see picture). Steve’s question wasn’t legible, so his response was - “Who needs a question...” and to the judges, “Ladies, I’m here for you...” (Steve had his U2-Bono attitude on that night!) I guess that scored him some points. The judges had a hard choice this year, but the results were:

1) GEO-Mikey
2) Herbie
3) Steve Dobson

Congratulations to the New Mr. Blue & Gold and his... uh... entourage?!

Oh, Bogdan didn’t enter this year, but I thought I’d put this great picture of him here. Bog - I’ll collect the beers at the next Suds....

The judges are in heated deliberation, discussing the finer points of the contestants. On our left we see Mikey, the new Mr. Blue and Gold, posing with the judges.
Da Big Bang! And they’re off! Around the first bend is a lonely Flrosh, with what looks like a piece of his poor chariot. But where’s the race? It’s still at the starting line, with everyone trying to brake out of the bottle neck and win the snowball fight, which was started before the race. Oh, but wait, its looks like a chariot is about to brake through. OOOOO, that was nasty.

Yup! another chariot race like no other. This year’s turn out was very large, with even what looked like a sturdy Flrosh chariot.

Turning the last bend on front campus, about half an hour after the starting cannon, there was no definite leader. But lo and behold, look at who’s breaking out of the pack in their sneaky fashion to win the race, but the Chem’s!

Congratulations to all those who participated, it was a great turn out and a successful Godiva Week.

Note: Sadly the Flrosh never finished. And the Elecs, all covered in grease, completely slid off of the course and into UC, never to be seen again, that first turn was nasty. We don’t even know what happened with the Eng. Sci.’s.

Ivana Strgacic
CHEM 9T4
BNAD Member

Date of Race: Thursday, Jan. 13th, '94

The bribes were good this year too! - The Editor.

<table>
<thead>
<tr>
<th>Chariot Race Standings:</th>
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<tr>
<td>1. Chemical</td>
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<td>2. Industrial</td>
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<td>3. Electrical</td>
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Events
On Saturday, January 15, 1994, the annual Engineering Cannonball was held at the Boulevard Club. The dinner started late, because the illustrious organiser, namely me showed up late, but I don't think anyone actually noticed. Besides that the evening went off without a hitch. Dinner was great, especially with the impressive company of Dean Charles and the Alumni President, Dana Shtun. The Skule™ stage band performed with their usual zest, impressing us all with their talent. Dancing started after that into the wee hours of the morning.

The evening went well, everyone had a great time, and if you weren't there, you missed a great time. So make sure go next year. I was especially impressed by the large turn from the F!rosh.

Ivana Strgacic
Social Chair
CHEM 9T4

Editor’s Note: Ivana and Jack did a terrific job with the Cannonball this year - we sold out of tickets... so be sure to buy tickets early next year!

The Cannonball was a blast (literally) AND our mighty Cannon didn’t damage any windows this time around...the only minor casualty was a particularly happy F!rosh waving the Skule™ Flag -pretending a chandelier was a piñata.

Additional Editors Note: Ivana, I can’t believe you had the DJ play “YMCA” by the Village People!!!
Look at me my plaid is better than yours!
We Mech. We have lots of fun in Montreal. But not as much fun as Elecs in Ottawa/Hull.
& Comps
Ottawa

We had lots of fun in Ottawa/Hull.
So much fun, we don't remember.

Dear Ken, Thank you for Tina. Luv Jakub.

Bodyguards for the all-powerful vice chairs, Kid Puhm & Lillian Kuhaneck.
How many F!rosh fit in a F!one booth? (it's speakers corner, with the F!rosh filing in for Shinerama).

Guess who forgot class was cancelled?
Sports
Women's Basketball

The Skule™ women's basketball team lost their first game this season but then came back to win all of their other regular season games! Unfortunately, the team was eliminated in the first round of finals. Many thanks to the "BNAD" for their musical support! We'll take it all next year!

Aryn Pyke,
Woman's Basketball
Coordinator

Men's Volleyball

Sports
We've been asked to write a brief commentary about a particular sports team - but not any sports team. Not the Jays, Argos, Leafs, Blizzards, Planets, Blues, or the All-Canadian Ping-Pong team, but about the Div II Men's Engineering Hockey team. A powerhouse never seen or experienced before. A team that took hockey to a new level, rising above all the rest. A team that redefined the meaning of good old Canadian Hockey. A team that put fear into each and every team we played. A team...oh, class is over. See ya.

Coach Alex and Shawn
This year, like every other, the Skule™ soccer team ran on sheer talent. Our lack of practice and difficult schedule resulted in a very impressive 2-3-1 record. Nevertheless, the team's veterans continued to make tough opponents work extra hard every game. We missed the playoff berth by one little point, but we managed to defeat the teams who finished first and second during the regular season.

Unfortunately, we say good bye to a few players who made up the core of the team for the past four years. Ray Candido, Rodney Scollard, Carlos Sanchez, Mario Budisa, Lauro Pilla (MECH '94s). Nick Dinadis and Gerry Iroaga (ENG SCI '94s) all chose this year to graduate. Their talent and determination lead the team to many victories, and surely they will be greatly missed. Other players such as: Frank Foggia, Hayden Edwards, and Tony Aulicino still have at least one more year that they can offer to Skule™ soccer. Also, newcomers, Gio Constantiello, Marcin and Rafał Pazinski, Paul Simak, Unison Noel, Bob Manoukchsi, Colin Murphy, Mike Kokkas, and Myron Nestor can continue the legacy of spirit and determination for the years to come.

Furthermore, I would like to thank this year's co-MVP's: Mario Budisa, who was responsible for 90% of all our goals scored, and Myron Nestor whose enthusiasm and eagerness in every game gave the team an extra little boost.

Good luck next season!

Ray Candido, Soccer Commissioner
Well yet another season has ended for the mighty Skule™ rugby team. Hopes were high this season that the team would win its fifth consecutive title. The first few games were easy victories for Skule™, with wins over Scarborough, U.C., and Vic. Our next opponent Law, proved to be a tough opponent. Our saviour, however, Neil "Little John" Carrington with a recently shaved head, managed to beat Law at their own game, and capitalize on one of their errors and score the tying try. The day of the final arrived, and Skule™ undefeated throughout the season was prepared to face their nemesis, Law, once again. The day started off on a bad note as the new ref, Bob, whom no one had ever seen before, displayed a punctuality unheard of during the season. The start of the game had to be held back as Skule™ waited for its worthy opponent. Bob the ref gave the forwards, lead by the veteran Jeff Byng, some trouble with his nit-picking, and many penalties were awarded to both sides. Law managed to put two kicks through, one of them questionable. Skule™ had its opportunities to tie the game, but was unable, due to the disabled rookie sensation Rodney’s absence, who was injured only two days before. The backs had some opportunities to score, with great runs from Nigel and Adam, but were never able to punch through and score. And so the game ended, Law 6, Skule™ 0. Many thanks to the players who gave it their all, although the loss was disappointing, we leave a great tradition for those who are returning.

Alex Hatzivassilis, Rugby Coordinator

P.S. "Have another donut you fat fucking pigs.'"
Men's Football
Flag Football

The Skule™/Rehab Meds Women's football team had a fun filled season. Despite the sleep deprivation caused by 7:30am games, the team made a good showing. Much thanks to our Quarterback Marianne for her constant energy and enthusiasm.

Aryn Pyke,
Touch Football Coordinator

Field Hockey

Well, we had lots of fun. Once again, Engineering called on Medicine to form a strong team. Together, we won one game and tied one as well; the games we lost (except for the one against SCAR), were by only one goal - not bad considering we were short players for most games. Thanks to Harbir Anand, our coach, and to everyone who came out to play: Karen Barbara, Carolyn Hartman, Tracy Henry, Sylvia Chung, Nancy Lum, Jennifer Jung, Melodie Ridge, Barbara Danrel, Haley Clark. See you next year.

Barbara Danrel,
Field Hockey Coordinator
This year's season started off with a bang. We've got a dedicated team, who have come out to play and win. At the time of this write up, we're at the top of the league, aiming to stay at number one. There is a definite chance of winning it all this year.

Our coaches, Dave and Rod, deserve a great amount of thanks for all the time and effort they've put into producing this winning team. If it wasn't for them we'd probably still be trying to unstuck the door to the bench.

Ivana Strgacic and Connie Tscheng,
Hockey Co-commissioners

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Left to Right:


Missing: Connie Tscheng, Sylvia Squair, Sandara Kutzl, Sara Volo
Mmm,
I like that hat.
Faculty
The mandate of the Vice-Dean is to facilitate partnerships and to build the bridges between innovation, research and development within our Faculty and the industry to create new wealth. In the new world order partnerships and collaboration are the essential ingredients to enhance our competitive position in the international marketplace. Successful partnerships lead to opportunity excellence, new products, increased market share and jobs.

Partnership and team building are also central to the engineering educational experience. All members of the class of 9T4 are therefore well equipped to meet these new challenges. It will be tough but use the lucky breaks to grow and prosper and most importantly keep learning, be professional and never forget that you are an integral part of the best engineering Skule™ there is.

Congratulations and best wishes to the class of 9T4.
Ron Venter, Vice-Dean,
and my co-workers,
Lisa Simpson, Assist. & Sec. to the Vice-Dean
Donna Onyschuk, Co-ordinator PEY Program
Jason Pilon, Admin. Assist., PEY Program
Leslie Dolman, Industrial Tech. Advisor

Message From the Faculty Registrar

On behalf of the staff in the Registrar's Office, I would offer congratulations to the class of 94 for making it through four years of the most challenging course of study.

Staff in the Registrar's Office continue to look for ways to improve and streamline registration, pre-registration, and all the other activities that occur in GB157. For example, this year, upper year students were encouraged to use the Student Telephone Service to substitute course, to list courses and change sections. We hope that through usage of the Telephone Service in September, more of our students will be successful in registering in Arts and Science courses. One of my objectives is that the Class of 97 will have an opportunity to access their final course marks on the Student Telephone Service.

Also, for the first time this year, students had earlier notification of the exam schedule - late October instead of mid-November. Students also had access to their exam schedule and seating list on the ECF computers.

For the first time this year, we also participated in the University-wide Incoming Student Survey. Many of our first year students spent almost half of an Applied Mechanics class completing a 50-question survey. Results of this survey will hopefully provide us with a better understanding of the needs and expectations of our student community.

We will continue to use technology to improve efficiency and effectiveness of the services we deliver to the student body. As you reflect on your four years at U of T and your interaction with this Office, you might very well have some very good ideas on how we might serve you better. Please feel free to come and speak to me at any time. You can even drop a note if you wish.

Once again, congratulations to the Class of 94 and good luck to the remaining undergrads.

Barbara McCann
Faculty Registrar
The best thing about my job here is the people I meet. The Alumni Office was established in 1982 and since that time about 7000 students have passed through these hallowed halls. While I didn't have a chance to meet or get to know every one of them, I did develop some wonderful friendships. Many of my days here are brightened because someone drops in to say "Hello -- remember me?" I mentioned this because I want you to leave here knowing that you are always welcome back -- don't lose touch with Skule™. You won't regret it.

The objective of the Alumni Office, in broad terms is to achieve maximum personal and financial support for the Faculty from alumni, and from you, alumni of the future. This involves the following:

- Managing the Engineering Annual Fund, which raises about $600,000 for Skule™ each year.
- Coordinating the Engineering GRADitude campaign. The class of 97 set records on campus when 88% of them pledged $98,327 to Engineering over the next three years.
- Overseeing affairs of the Engineering Alumni Association, as well as its related committees and functions.
- Organizing the annual Engineering Open House.

We will remember that the Jays won the World Series for the second time, that the Varsity Blues rose from the ashes and won the Vanier Cup. Will we remember that the Leafs were leading the pack at the end of November 1993?

And now some questions for those reading this in the 21st century. We know our Faculty is still in existence but what changes have occurred? Have fees increased significantly? Have other parts of the University disappeared? Have other Universities closed and has any team other than the Blue Jays won the World Series 2 times consecutively since 1993? Perhaps, more importantly, how is the state of the economy and the availability of jobs. On a national scale, what were the results of the last Federal election?

Whatever the answers to these questions, I am confident that our graduates will be contributing to a better world as they have for many years before.

I wish you all the best in this century and the next, and by the way whatever happened to that Associate Dean?. What was his name -- you know, that guy with the sticking-out ears...

David G. B. Boocock
Associate Dean

Yearbooks are miniature time capsules which document in an informal manner, events and circumstances within the Faculty and University at the time of writing. This book can be dusted off and opened up in the 21st century to remind us how the world used to be in 1993-94.

Fourth-year Computer Engineering students this year will not have to be reminded that they were the first graduating class from this program. In addition, first-year Chemical Engineering students will remember that their class contained more females than males, the first time in the history of the Faculty that this had occurred in any program. Other changes such as the ongoing transition from six-course terms to five-course terms may not be as memorable. Who will remember the introduction of the first-year core course "Effective Technical Writing" or the deliberately lower first-year enrollment which resulted from Provincial budget cuts. There may be some students who, having not been adequately prepared by high school, were rescued by the first-year T-Program and went on to great things. Will they want to be reminded of this?

Many of us will remember that this was the year that former Vice-Dean Michael Charles was appointed Dean to replace Gary Heinke, and that Professor Ron Venter took over the Vice-Deanship. Maybe the two new Deans will consult this book in the future, particularly as their terms will take them into 21st century.
We like to think that the Department's accomplishments speak for themselves. However, it is sometimes gratifying to receive confirmation of our assessments. In the most recent Gourman Report, for example, which ranks the leading undergraduate programs in North America in industrial engineering, our Department stood third behind Stanford and Michigan, but ahead of such well-known institutions as Purdue, Berkeley and Georgia Tech. In addition, according to 1993 statistics compiled by the American Society for Engineering Education, our Department ranked ninth in terms of the number of research projects currently in progress out of the 68 North American institutions offering degrees in IE.

Established in 1961, we are not only the leading Department of Industrial Engineering in Canada, but have developed a worldwide reputation as one of the top ranking Departments in our field. Within modern society, Industrial Engineering is unique among engineering disciplines through its systems approach to solving problems relating to the interplay of people, productivity, information and management. Such problem situations occur in every type of industry or business enterprise, and in every kind of government office or agency. Moreover, within an individual enterprise, these problems occur in all parts and at all levels of the organization: finance, marketing, production, research and corporate administration.

The industrial engineer has a special combination of knowledge and skills for handling these situations: a systems approach which uses appropriate combinations of applied mathematics (operational research models), applied psychology, applied mathematics (operational research models), applied psychology, applied physiology (human factors analysis), applied technology (especially computers and information systems), together with necessary education's foundation to address system integration and design issues within an organization.

Congratulations graduates, and my very best wishes in your future careers.

Andrew K. S. Jardine Chair of Industrial Eng.
The Department of Chemical Engineering and Applied Chemistry at the University of Toronto is the largest in Canada, with over 30 academic staff. We have been particularly successful recently in recruiting over ten colleagues with world-class training in different aspects of the discipline, including five who hold chairs in Industry / Natural Sciences and Engineering Research Council Senior Research programs. The size and breadth of the Department allows specialization in one of the many sub-disciplines, which includes environmental studies, advanced materials, as well as ceramics and reinforced materials, computer modeling and simulation, control of industrial processes and materials, bioreactors, surface science, catalysis and adsorption, the design of chemical reaction systems, bio-materials and bioengineering.

To describe all the activities of the academic staff, the Department and its students would fill a book, so I have selected a few topics on the environment, which is of particular relevance today. Most people rightly believe that the chemical and process industries are sources of pollution and of environmental concerns. It is also a fact that young people who pursue careers in chemistry and chemical engineering will create and effect the only practical means of controlling toxic emissions at their source. For example, Professors Allen and Reeve of this Department have developed means for reducing the chlorinated hydrocarbon emissions of pulp mills, which offer hope for the industry in dealing with this difficult issue. Professor Mackay and his research students have developed expertise in evaluating the distribution of pollutants in the environment and his work is widely recognized as providing the firm scientific basis for understanding the fate of toxic contaminants in the environment. Other research in the Department has led to the development of a new efficient process, presently being commercialized, for the removal of sulphur from process gas streams. These and many other examples show that development of technologies for environmental control lies within the domain of chemical engineering.

<table>
<thead>
<tr>
<th>J. W. Smith</th>
<th>Chair of Chemical Eng.</th>
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<tr>
<td>Richard Soberman</td>
<td>Chair of Civil Eng.</td>
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The class of '74's departure from the Department coincides with my own departure from the Office of the Chair, generating, in both cases, a certain degree of uncertainty about what the future holds. As new graduates, you face a future in which your economic well being and professional satisfaction will undoubtedly be influenced as much by your ability to be innovative in a rapidly changing environment as by the strength of the education you have received during the last four years. In my own case, after years of administrating responsibility and bureaucratic "manoeuvring" within a university and government setting, the emphasis is slightly different inasmuch as there is a need to reassess the relevance of what I teach to the needs of today's civil engineering students. In both cases, flexibility, open mindedness, and adaptability to change are the operative words.

Together with a sound professional base, adaptability to change, in fact, may be your most valuable asset as Canada re-engines many of its basic societal and economic structures to improve our global competitiveness and still retain a quality of life that can be characterized as truly Canadian. The real pressure is going to be on finding better ways to do things, whether you are involved in rehabilitating infrastructure, protecting the environment, or competing in world markets for large capital projects. Equally important for some of you, will be better ways of using civil engineering skills to improve the lot of less fortunate individuals in underdeveloped countries, badly in need of adequate and affordable housing, transportation, water and sanitation.

As many of the large companies and agencies that have typically employed civil engineers downsize in response budgetary and competitive pressures and attempt to become "leaner and meaner", and an increasing number of this and future years' graduates will find employment in smaller firms and businesses. This probably means that in addition to the basic civil engineering skills already developed, you are going to have to devote energy to learning a variety of business and management skills, including finance and marketing, earlier in your careers than has traditionally been the case. For our part, recognizing the new employment environment, the Department has an ongoing responsibility to both monitor and revise the curriculum we offer in response to these changing requirements. In this regard, we welcome your individual views and input at any time.

Let me also use this opportunity to extend, on behalf of the entire faculty, our best wishes for success and satisfaction throughout your professional careers.
Congratulations to all graduates of the Faculty. And, allowing the Chair to be understandably partisan, special congratulations to the graduates of Engineering Science, for you have succeeded in completing an extremely demanding program and now you are ready for the most challenging of technical careers.

You are a special group in many ways but two ways stand out: you are the last class to have survived Ivy physics, and you have witnessed more changes in Engineering Science than any other class. You have seen the introduction of new Options in Biomedical Engineering and Environmental Engineering, two disciplines which will excite and challenge future students in Engineering Science. You have also watched the transition from six to five courses per term and perhaps wondered about the wisdom of this change; in any event, you know in your heart that you are a tough breed because you took Engineering Science when it was six courses. All these changes were made to ensure that

Engineering Science continues to offer programs in forefront fields of engineering and to provide an intense, high-quality education, arguably the most demanding engineering education in Canada.

Most of your career will be spent in the twenty-first century and you will find that the training which you received in Engineering Science -- an emphasis on fundamentals and learning under pressure - will serve you well. I wish you success and fulfillment.

During the 1993/94 academic year the Chair, Professor D. McCammond, is on administrative leave. During this period I was appointed Acting Chair and I am pleased to say that this task has been made much simpler through the excellent cooperation of the undergraduate students, among others. In particular, I would like to express my appreciation to the Mechanical Club which is chaired by Mr. George Vujnovic. There have been many varied activities in which the Mechanical Club has been involved, and the level of activity and cooperation which has been exhibited is highly commendable.

The Student/Staff Council continues to be an efficient vehicle for identifying issues which require addressing and arriving at solutions as required. The Council consists of the Mechanical Club Executive, representatives from each of the second, third, and fourth year classes, the Undergraduate Student Counselor, the Associate Chair and Coordinator of Undergraduate Studies, and the Chair. On of the many issues taken up by the Council involves preparing proposals for the Student Levy Fund. Another issue is responsibility spending the previous year's Student Levy Fund. In these tough economic times this fund has become indispensable. Through the Fund many facilities have been introduced or upgraded - facilities which would otherwise be neglected. The class of 974 faces significant challenges in seeking employment in a depressed economy. We, the staff of the department, are of the conviction that you are well prepared to meet these challenges. You are the graduates of a fully accredited program which is second to none in Canada. We hope that you are as proud of your alma mater as we are of you. It is our sincere wish that you will find appropriate employment and that your professional career will begin its upward path.

I. Currie
Acting Chair, Mechanical Eng.
It is indeed a pleasure to congratulate the graduates of 9T4 as they prepare to meet their future challenges. This has been a most enjoyable year for me as Acting Chair while Professor Scott is on administrative leave before starting his second five-year term as Chair of the Division. His leave is being spent at research institutes in France and Hawaii.

The program curriculum in Geological and Mineral Engineering provides a broad-based education in earth science and engineering including exploration geology, mineral processing, geotechnical and mining engineering and environmental engineering. The divisional structure is supported by three resource and departments in two faculties: Geology in Arts and Science and Civil Engineering and Metallurgy and Materials Science in Applied Science and Engineering. In addition, core courses are taught by five adjunct professors, each of whom is president of a successful small company serving the mineral industry.

- GEO350S Mining Engineering, taught by Derek Bullock
- GEO360F Mine Management, taught by Doug Sloan
- GEO401S Mineral Exploration, taught by George Kent
- GEO410F Hydrocarbon Exploration and Recovery, taught by Doug McLean
- GEO430S Ecological Engineering, taught by Margarete Kalin

The skills and knowledge that you have acquired are readily transferable so that all graduates can avail themselves of opportunities in any of the four areas emphasized in the program. Some of you will go on to post graduate study, either here at U of T in one of the co-operating departments, or at another university in Canada or elsewhere. Wherever your future leads, go forward with confidence and pride. We hope that you will cherish fond memories of Geo-Engineering. Please keep in touch and let us know of your travels and career developments. Marg Crook, your "Geo-Mom", will make sure that any letters or phone calls circulated amongst your professors.

Good luck in all your endeavors - but remember, "the harder you work, the luckier you get".

Best Wishes,
R.T. McAndrew

While at the University you have been involved in lectures, laboratories, research projects and field trips. In all of these activities you will have become aware of the importance of measurements both in the laboratory and within the operating plant. In addition, computers and mathematical models are essential components of the world of engineering today. However, models are established and validated by numerical data.

This year is the 170th anniversary of the birth of William Thomson, better known as Lord Kelvin, a Professor of Natural Philosophy at the University of Glasgow, an outstanding thermodynamicist and renowned engineer. In emphasizing the importance of quantitative information, he stated: "When you can measure what you are speaking about and express it in numbers, you know something about it. When you cannot measure it, your knowledge is meager and unsatisfactory." As we move ever closer to the 21st century, these words are just as true and perhaps even more applicable in view of the increasing demands which relate to energy minimization, environmental considerations and the effective use of resources.

As you leave the University and move into the world of business and industry you are entering a rich heritage made up of departmental alumni who down through the years have made substantial contributions to the world of metallurgy and materials science. Let me encourage you to retain strong links with your Alma Mater. Our faculty and staff join me in extending a standing invitation to visit your home department again whenever you have opportunity to do so. Be assured you go with our very best wishes for success in your professional career.

A. McLean
Chair of MMS Eng.
GRADS
Class of 9T4
ABUAN, DENNIS
ANNAB, BASSEL
BERCOVITCH, CAREY H
CARLI, MARK D
CAROU, FERNANDO R

CARTLIDGE, CLIVE R
CHAN, WILLY GABRIEL
CHEUNG, CHIN YEUNG G
CHIN CHAM, MARTIN B
CHONG, LEIGHTON A

CLARK, HALEY R
CORVESE, PAUL S
CUNHA, JENNY
DE CASTRO, ANA M
DOBBERTIN, EDWARD K

DONG, YUET SING V
DOWNING, MARK SCOTT
FONG DERE, JULIANA
FRANCIS, KARLEEN A
HARTMAN, CAROLYN

HERON, ANNE-MARIE L
HOLLINGHURST, SIMON
HUNG, HAYLEY HING NING
Ivers, Trina
JAGDEO, SATROHAN GUYA

KANOWITZ, GAVIN H
KATO, KAORU LISA
KWON, CHEOL
LAM, CHRISTINA GAR W
LAU, HANNA TSZ WAN

LEE, RAYMOND RML
LI, CHARLES TAI CHEONG
LIAO, AI LI
LIN, DAVID
LIN, KA HING
ARUMUGAM, NARENDRA
ATTAYI, SAYED MASUD
BASRA, HARJIT S
CHAN, KAREN
CHAN, KENNY LEE LUNG

CHAN, LINDA
CHAN, TIFFANY SHIU P
CHAN, YUEN KAN
CHENG, CARRIE MAN K
CHEUNG, WILLET

CHIU, KWOK KEUNG S
CHIU, TAK FAI
CHOW, MICHAEL K-C
CHU, DAVID
CHU, ERIC KUO CHI

DHANOTA, YADVINDER S
DOAN, VINH PHUC
DONG, MICHAEL
FONG, EDMUND C
FRIDMAN, IGAL

FUNG, ALEXANDER Y-W
HATZIVASSILIS, ALEX
HERZALLAH, HOSAM
HO, CHAK CHEUNG
HO, HONG TONG

HO, RAYMOND LAI KWAN
HOWELL, MARK JOSEPH
HUI, WAI LAM W
HWANG, JUNG JOON
IMAMURA, SOICHI R

JIN, LAI LEIGH
JOLLY, GURMEET
KIM, DO-HOON
KIM, PAUL
KIVENKO, LEIGH KEVIN
COCHRAN, COLIN JOHN  
COHEN, SEBASTIAN  
DAYA, ZEINAB AMIRALI  
DEMYS, MICHAEL C  
EDWARDS, HAYDEN  

ENGLAND, DEREK  
FRIESEN, KARLA-JEAN L  
GAMOV, DAVE  
HA, YOO-SEON  
LEE, CHIA-WEI  

RAYNER, TIMOTHY JAMES  
SIU, HON WAI  
TAN, YUE JIN  
WONG, CHRISTOPHER P Y  

CIVIL  
BARTOSZKO, MIROSLAWA  
BRENDON, PAUL EDWARD C  
BRYDEN, JOHN VINCENT T  
EISENBACK, CHISHOLM, WILLIAM  
FEDRIGO, STEPHANE  
FRIGO, ANTHONY A  
GURUK, JOHN TODD  
HAQ, SALEEM  
ING, BRUCE  
KUZMANOVIC, SASHA  
MCCABE, BRENTA Yvette  
MEADOWS, STEPHEN PAUL  
MISA, FRANK  
POZDERKA, STEVE JOSEPH  
SEIF, GOODARZ  
SHELBERG, RENÉ GUNNAR  
SEO, SUSAN  
SHING, PAK HONG GARY  
STANK, BOGDAN ANDRZEJ  
STEEPER, ANDREW MICHAEL  
ZAMMIT, JONATHAN MARK  

MECH  
AU, CHI PAN FRANCIS  
BLAZIC, JOSEPH R  
CHAN, DONNY TAI YIP  
HUANG, AOQING  
KALOVSKY, THOMAS S  
LEE, PATRICK M C  
LUONG, KHANH VIET  
MORELLI, ENRICO  
OKOLISAN, JEREMY WAYNE  
QUINN, TRAJAN VALERIAN  
RUDAITIS, ALGIS A  
SYLVESTERVICH, PAUL JOHN  
TERRILL, ADRIAN LUKE  

COMP ENG  
SIU, ANDY CHUN-TING  
YAO, WAI-KEI BRIAN  
YU, PATRICK HONG-KIN  

GEO  
HISCOCK, CHRISTOPHER GLENN  
SHEA, WILLIAM JOSEPH  
YANG, JIEN  

ELEC  
ARJANGPOUR, SOURENA  
ASMANI, MOHAMMAD MEHDI  
BAINS, AMARJIT  
CHU, KAR LAI  
D'SOUZA, JOSEPH SALVADOR B  
DANREL, MILAN  
DE DOMINICIS AGOSTINO  
HONG, MICHAEL  
KANDASAMY, KANDEEPAN  
LAU, WAI MAN  
LIU, CHEUNG WAH STEPHEN  
LIU, HSIAO CHUNG  
LO, CHUN CHEONG  
MASCARENHAS, QUEROBIN D  
MENG, WILSON CHIA CHIEN  
NECHAIEVSKI, DENIS  
ROBERTS, JONATHON C  
TA, HUNG THANG  
TADDEO, SALVATORE  
TAM, CHAK HOI IAN  
THEMANN, HEINO  
TRINH VI  
WONG, KESON K  

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ALCS Game 1: Juan Guzman found out exactly how 'ugly' one can win. In six innings, he managed to walk 8 batters, but allowed only three runs. Molitor hit a homer (we'll be hearing a lot more about this guy) while Olerud had three hits (doesn't he do that every game?). Meanwhile, the guy with the cool beard, Jack McDowell, well, blew chunks. Our 1993 Cy Young award winner gave up 7 runs in 6.5 innings. Final score: Toronto 7, White Sox 3. Toronto leads series 1-0.

ALCS Game 2: I was supposed to be studying hard for my Engineering Math quiz, but instead I went to the CIV common room to catch a bit of the game on their big screen (1Ha!). This was a game or many errors. The White Sox guy lasted over eight innings, but his team made 3 errors allowing the Blue Jays to win. Stew got into many jams, but got out of all of them (just walk Thomas, and the rest will take care of itself). Final Score: Toronto 3, White Sox 1. Toronto leads series 2-0.


ALCS Game 4: This game was very frustrating. The Blue Jays knocked White Sox starter Jason Bere out of the game in the 3rd inning, but still lost the game. Todd Stottlemyre was his usual self, having temper tantrums, and giving up lots of runs. Final score: White Sox 7, Toronto 3. Series tied 2-2.

ALCS Game 5: I actually got to go to this game! Whooppee! This time Guzman was the "Great Juan" - dominating the game completely. McDowell once again proved that cool beards don't win ballgames - he was history after the 3rd inning. Alomar showed the White Sox that they couldn't "catch the taste" by stealing 3 bases. Final Score: Toronto 5, White Sox 3. Toronto leads series 3-2.

ALCS Game 6: YES! Stewart pitched a good game (he won the ALCS MVP after the game) while the Chicago bullpen fell apart in the ninth, allowing 3 runs. The Jays were off to face the truck drivers/criminals from Philadelphia. Final score: Toronto 6, White Sox 3. Toronto wins series 4-2.

WS Game 1: I didn't quite catch all of this one - I was kinda drunk at Oktoberfest in Waterloo. I saw Olerud and White smack sweet looking home runs (I was dancing polkas so I wasn't quite sure of the score). Then I saw Ward come in so I figured we were winning-we were. He nailed it down quite well. Final Score: Toronto 8, Doughboys 5. Toronto leads series 1-0.

WS Game 2: Things were going great in this one until Eisenreich (the Molitor clone) hit a 3-run homer off Stewart to put Philly up 5-0. They never recovered from that. Final score: Truck Drivers 6, Toronto 4. Series tied 1-1.

WS Game 3: This was a fun one to watch, even though I didn't quite finish the old Digital Lab Prep. Oh well, screw school until this thing is over. Molitor hit another homer. Alomar had four hits and stole 2 bases (Philly can't catch the taste either). Final Score: Toronto 10, Excons 3. Toronto leads series 2-1.

WS Game 4: This was the weirdest game I have ever seen. Philadelphia scored 14 runs - and didn't win!
- Toronto came back from a 14-9 deficit by scoring 6 runs in the eighth inning.
- Todd Stottlemyre attempted his famous chin-in-the-dirt slide. Too bad Todd, you were still out.
- Because of broken bullpen phones, the wrong pitcher was summoned, and quickly returned to the bullpen (perhaps the pitchers cut the lines). Walkie talkies were graciously given to Cito for the remainder of the game.
- After the first three innings (the score was 7-6 Jays), Toronto GM Pat Gillick was quoted as saying: "I bet the final score will be 15-14".
- Final score: Toronto 15, Cheese Steaks 14. Toronto leads series 3-1.

WS Game 5: Whoops, hold the celebrations. Curt Schilling threw a five-hit shutdown. Final Score: America's Most Wanted 2, Toronto 0. Toronto leads series 3-2.

WS Game 6: Stew seemed to have everything under control (it was like 5-0 or something), so I took off and went down to the Phoenix. When I got there, it was suddenly 6-5 Phillies! What happened? When it got to the ninth, everybody's prayers were answered - The "Wild Thing" was being brought in to protect the lead. Toronto quickly got two men on base, and set the table for Joe Carter, who hit a screamer down the line into the bullpen for a 3-run homer. Game over. 8-6 final. Blue Jays win World Series.

It was kinda fun to have the Blue Jays play a team like Philadelphia - one got to hear what some of their more colourful personalities had to say. John Kruk had the best comment. He apparently was upset that he hadn't been able to get John Olerud to curse. Maybe next year Kruk.

- Jack Cooney ELEC 9T6

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Kruk: Couldn’t get Olerud to swear.

McDowell: Cool beard doesn’t scare Jays.
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