

University of Waterloo

Department of Co-ordination and Placement

STUDENT RANKINGS

Local Telephone Number _____

STUDENT NAME	I.D NUMBER	YEAR, TERM, DISCIPLINE
BRUCE WAYNE	85011316	3A SUPER HERO

Listed below are the interviews granted to you at the date of printing. Please add additional interviews you obtain at the bottom of the list.
Every job you have been interviewed for must be ranked.

EMPLOYER NAME AND JOB TITLE	CRD	JOB NUMBER	RANKING
CANADA TRUST COMPTROLLER'S DEPT	KBK	207607001	2
CROWN LIFE INSURANCE COMPANY PROGRAMMER ANALYST	JRS	215802011	3
MATHNEWS VOLUME 43 NO 5	MN	B19870313	1
LONDON LIFE INSURANCE COMPANY SYSTEMS DEVELOPER I	KBK	289501007	2
D MILLMAN MARKET SERVICES INC	JMM	E95602001	5
ROYAL LEPAGE AUDIT TRAINEE	RP	B76801001	4



LookAhead

Cinema Gratis	
Mar 18	Pink Panther & Bill Cosby on Prejudice
Mar 25	To Kill A Mockingbird & Carried Away
April 1	The Wall (Pink Floyd) & Gimme Shelter
April 8	Beverly Hills Cop & Railrodder
April 15	Indiana Jones & Women at Work
Fed Flicks	
The Feds	Never tell us anything anymore
But ...	the Turnkeys did! (Thanks, folks!)
Mar 13-15	Jumpin' Jack Flash
Mar 20-22	The Colour Purple
Mar 27-29	Little Shop of Horrors
UW Arts Centre	
Mar 13,14	Revenger's Tragedy
Mar 14	F.O.R.E. '87 Vegetables For Breakfast
Mar 17	KAGEMUSHA (Int'l Film Series)
Mar 19,21	Revenger's Tragedy
Mar 20	Australia : Land of Contrasts (Film)
Mar 22	Juvenalia
Mar 24	Beethoven: Himself
DCS Courses	
Mar 16,17,18	UNIX Part II
Mar 17,18,20	Intro to GML
Mar 23,24,26	Tell-a-Graf
Mar 23,24,26	UNIX for Doc'n
Mar 25	Rep Gen in WATFILE
Mar 30,31, Apr 2	Int. DISSPLA
Mar 30,31, Apr 2	Int. VMS
Apr 6,8	Int. DOS
Apr 7,9	SUN Overview
Apr 7,9,10	Spires Part I
MathSoc	
Mar 13	Forgotten Rebels at Fed Hall (see ad)
Mar 20	Road Trib to Buffalo Sabres vs. Habs
Mar 21	M.G.B.
Apr 1	EOT PUB !! (King of Carnival, etc ...)
Math Faculty	
April 1	Last Day of Lectures (Fittingly enough)
April 4-24	Exams
mathNEWS	
Mar 23	Issue #6 submission deadline
Mar 23	Production night Issue #6
Mar 27	mathNEWS #6 hits the halls

Prezz Sezz

This week my column will deal with a few concerns I have.

The first concern I have is with the slightly disappointing turnout at the SCH Pyjama Pub last Friday. The entire turnout was 10 people including the DJ, his assistant and the four bartenders. Not good folks! I realize Mike Mandel was on campus but his hypnosis act starts after he steps on stage.

That brings up the second concern. The Feds booked a second Mandel show from 7-9 PM at the BombShelter after the Rec Students Assoc. had Mandel booked from 8-1 AM at Fed Hall. This one hour overlap was understood to be completely against Fed policy. At least that's what the societies thought. We obviously were wrong. This show's a blatant weakness in the Federation booking policy. This will change!!!

MathSoc sponsors the Forgotten Rebels at Fed Hall TONIGHT!!! Feds \$4 and others \$5. Next Friday is a roadtrip to an NHL game between the Buffalo Sabres and the Montreal Canadiens in Buffalo. Buffalo is fighting for a playoff spot. Definitely a game not to miss. Let's increase the turnout!

Dave

MathSoc Lifetime Membership

Nominations are now open and will be accepted until noon Friday, March 20, 1987.

Criteria for the above and nomination forms can be found in MathSoc Office, MC 3038.

Prof Quotes

It is all too easy to take things for granted ... and then, one day, you suddenly notice that they're gone. So it was with Prof Quotes. It seems unlikely that Profs have suddenly learned to control their mouths ... Has everyone been *asleep*? (Heaven forbid!) We at mathNEWS hereby deny that we were trading Prof Quotes for hostages, or funnelling the best Quotes to the Contras. Listen to your "instructors" - they might say something useful!

"If it wasn't an important project, I wouldn't have gotten involved."

J.W. Graham

Quoted in the Gazette

"There's no excuse in this world for Pascal."

G. Cormack, CS 444

"Mumble mumble mumble eigenvalue mumble mumble mumble eigenvector mumble mumble mumble innerproductspace mumble mumble mumble..."

D. Z. Djokovic, Math 234A

"Then you merge with your sibling ... Kinky!"

I. Munro, CS 340

"You guys look like slightly boiled noodles ... should I open a window or sacrifice a chicken?"

Morek Kossowsk, PMATH 331

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Editor: dan schnabel

Dean's Honours List

In recognition of outstanding academic achievement during the Fall term, the following students have made the Dean's Honours List (Fall/86).

Kevin Wayne ARTHUR	Shan Shan Agnes LEE
David Walter ASH	Therese LEE
Robert George ATKINSON	Janet LEW
Alison Jane BAILLE	Vera LJUCOVIC
Michael Peter BAIN	Mark William LOVELL
Michael David Robert BALKWILL	Michael E. LUNNEY
Michael A. BEAN	Enid Ann MA
Anthony Justin BENJAMIN	Ngai-Keung Kenneth MA
David BENJAMIN	Ian MACBEATH
Philippe Freddy BERTRAND	Blair MANKTELOW
Barbara Joan BOESE	Pamela G. MANSON
David J. BRATTAN	Charles MARTIN
Wallace Antony BRIDEL	Peter Brian George MAYO
John Michael BRZUSTOWSKI	Michael Joseph MCALLISTER
Alison Jane BURNHAM	Alfred John MENEZES
Daniel Richard BURTON	Susan Janet MILNE
Scott Thomas BUTLER	Stephan Brian MUELLER
Joanne Isabel BUYERS	Glen William MURRAY
Paul Vieira CAETANO	Ian Robert MURRY
Donald Orison CAMPBELL	Gregory Alan NEW
William David CASTELL	Duy Minh NHIEU
Marie Louise CECCHINI	Paul J. NOCK
Timothy Paul CHARRON	James Andrew OJA
Barbara CHIU	Eric Walter PARSONS
Yee Wan CHIU	Anu Kumar PATHRIA
Janet B. CLENNETT	John Scott PICKET
Frank Mark D'IPPOLITO	Geoffrey John PILLE
Ian D'ANZIG	Margaret Dajana PLUT
Jonathon DAVY	Christopher Burke POND
Gerd. DE VRIES	Amy Kong-San PUN
Edmund Andreas DENGLER	Robert RANIERI
Raymond J. DEPAUL	Nancy ROPER
David Antony DONIZ	James George ROUTLIFF
Yong Yao DU	David Curtis ROZEE
Philip Glenn EDMONDS	Sara Louise RUBIN
Richard George FEDOROWICZ	Robert William RUSSETT
Max K. FEIL	Giuseppe RUSSO
Kevin Stanley FERGUSON	Steven John RUUTH
Christopher Joseph FIEVOLI	Kevin Paul SCHOEDEL
James A. FOLEY	Peter Henry SEMERAK
Fung Yee Irene FONG	Kenneth William SHIRRIFF
Philip FONG	John C. SMIRNOS
Peter Gordon FOUND	Grant Jonathan SMITH
Elizabeth Ann FOURNIER	Stephen Andrew SMITH
J.Y. Eric GIGUERE	Wayne Duncan SMITH
Michael GLAUM	Heidi Marie STEIERT
Yang Hwa GOH	Aaron STEIN
John Richard GOSSLING	Stefan Hans STEINER
Camille Martinus GOUDESEUNE	John M. STOCKIE
Jean R. GRANDBOIS	Lori G. STRAIN
David I. GREENSPOON	Jim SUMMERS
Geoffrey H. HANCOCK	Jeffery Andrew John SUMNER
Penelope Evelyn HAXELL	Bruce Ronald SUTHERLAND
Graydon Hendrik HAZENBERG	Peter Nicholas TCHIR
Robert William HILCHIE	Robert Douglas THACKER
Sheung Chi Howard HO	Joanne Louise TOWNER
Kathryn Elaine HORNBY	Minh VAN TRAN
David M. HOUSTON	Andrew W. TRON
Simon HOWARD	Christopher Edward TURNER
Li Mung HUANG	Peter VAN CRUYNINGEN
Phong Thanh HUYNH	Sang Kim VUONG
Thomas Andrew IVEY	Phung VUU
Wojciech JASTRZEBOWSKI	Anderson Chun WAI
Fabrice JAUBERT	Gottfried Robert Walter
Christopher JEANNERET	David John WELL
Michelle Martina JOHN	David Paul WENGER
Alexander Tomas KACHURA	Stewart Hume WHITMAN
Eric Gene KINOSHITA	Richard W. WILLIS
Vladimir KOLBAS	Deborah Suzanne WILLISON
Janet Pauline KORHONEN	Chuk Fong WONG
Tom KOZIOL	Peck Chuan YEO
Julianne Krystal LAMB	Alex YEUNG
Dennis LEE	Caspar J. A. YOUNG

In recognition of outstanding academic achievement throughout their undergraduate careers, the following students will "GRADUATE ON THE DEAN'S HONOURS LIST" at Spring Convocation, May 30, 1987 and have their names displayed in gold on the walls of the Faculty Colloquium Room (MC 5158).

Kenneth Big-Sombrero SHIRRIFF (AM/CS)
Joan Anne THOMAS (CS)

F.O.R.E. '87: Vegetables For Breakfast

A Selection of Original Dance Works

Saturday, March 14, 1987
8:00 PM Humanities Theatre

In December 1985, several students at the University of Waterloo proposed the idea of a student production featuring original and experimental dance pieces. In conjunction with the Federation of Students' Creative Arts Board, it was agreed that this would be an excellent opportunity for choreographers, dancers, and other artists to hone their creative talents and acquire valuable production skills.

This small group expanded to form a committee which included a number of Dance students. A former UW student, Cheryl Vivian, was chosen as producer. The project was given the name of F.O.R.E. '87 - Foundation Of Resident Endeavours. It is hoped that this project will continue as an annual event. This year's production is subtitled "Vegetable For Breakfast".

After some searching, the members of F.O.R.E. attained the privilege of working with Sallie Lyons, artistic director of Toronto Independent Dance Enterprises. She will be the artistic director of F.O.R.E. '87.

In the last few weeks, choreographers have been working with dancers and other artists to create their pieces. Full company rehearsals began on February 25 and the next day, rehearsals with the artistic director began. From this time on, all artists will be working closely with the artistic director, obtaining advice and polishing their works. Ms. Lyons will also be advising the students on the over-all appearance of the show, along with technical details.

This experimental dance production will be performed for the public on March 14, 1987 at 8:00 p.m. in the University of Waterloo Humanities Theatre. Tickets will be available at the University Arts Centre, the Federation of Students office or any BASS outlet. Tickets are \$6.00 and \$3.50 for students and seniors. Group rates are also available.

MathSoc presents...

THE FORGOTTEN REBELS

Friday, March 13 - Federation Hall

Doors open at 8pm

Feds \$4 Others \$5

Tickets available at the Fed and
MathSoc Offices

Arts and Technology Week

March 16 - 21

Presented by the Creative Arts Board, Federation of Students

The objective of Arts and Technology week has been to make people aware of the creative potentials of technology. Therefore, all the events have been designed to illustrate what can be done with technology and to give students a chance to actually get their paws on equipment and experiment. Don't miss this opportunity to experience artistic technology first hand.

Friday March 13

The M&C Computer Graphics Lab has opened its doors to the general public for tours. Here's your chance to see what the latest developments are in our Computer Graphics Lab. There will be two tours limited to 15 people. One will be at 4:00 pm. and the other at 5:00 pm. Sign list on door of Computer Science Club office, M&C 3037.

Monday March 16

Exhibit of Computer generated art and models as well as drawings and designs from architecture students and computer generated animated videos.

For you dancing enjoyment, Fed Hall will be showing computer generated animation videos in addition to the usual lineup of background videos.

MacPaint hands on workshop in Math and Computer MacIntosh lab in M&C 2067. Here's your chance to try your skills at drawing using a computer and take home a copy of your masterpiece. To register for a time slot during the week, sign up at the Arts and Technology exhibit.

Amiga Computer Art workshop. Today only, from 10:30 to 4:30 in the campus centre, you will be able to see demonstrations on the Amiga Micro computers and have an opportunity to experiment with some of their best graphics facilities.

Joe Morrison and company in concert, Campus Centre, 12:30. A fine blend of several different electronic and computerized sounds for you listening enjoyment.

Tuesday March 17

Arts and Technology week exhibit has moved to the Math and Computer Building C&D, Third Floor -- See Monday for details.

For you dancing enjoyment, Fed Hall will be showing computer generated animation videos in addition to the usual lineup of background videos.

MacPaint Hands on Experience -- See Monday.

Computer Science Club Presents the Siggraph Computer Animation Video Roadshow. Back again by popular demand, as part of the Arts and Technology week lineup, the Video Roadshow will be held at 7:00 pm in M&C 2066. Free admission, Free Donuts and probably popcorn too!!!! Don't miss this impressive display of the wonders of Computer Animation.

Wednesday March 18

Arts and Technology week exhibit has moved to the Arts Lecture Hall. -- See Monday for details.

MacPaint Hands on Experience -- See Monday.

Very Vivid from Toronto will be in the Campus Centre from 12:30 to 4:30 to give everyone a close look at their MANDALA computer system. In the evening, they will move to Fed Hall where students will have a chance to see the MANDALA system in action and try it out. They will give a talk explaining their system at 10:00, followed by a live demonstration with their band, 20th Century Kid. Admission is free, and the audience will also be able to experiment with the system. This system is an example of what can be accomplished when the talents of all our faculties are combined. This event is being sponsored by the Deans of Engineering, Math and Arts, as well as Engsoc, Mathsoc and Artsoc.

Thursday March 19

Arts and Technology week exhibit has moved to the P.O.E.T.S. Pub, CPH. -- See Monday for details.

For you dancing enjoyment, Fed Hall will be showing computer generated animation videos in addition to the usual lineup of background videos.

MacPaint Hands on Experience -- See Monday.

At 8:00 pm. in AL 113, there will be a free film related to the theme of Arts and Technology. I'd tell you what the title is, but at this point I'm not sure. Call Creative Arts Board office at x6329 to find out what the movie is all about. We promise that it will be interesting and entertaining.

Friday March 20

Arts and Technology week exhibit has moved back to the Campus Centre. -- See Monday for details.

For you dancing enjoyment, Fed Hall will be showing computer generated animation videos in addition to the usual lineup of background videos.

MacPaint Hands on Experience -- See Monday.

The M&C Computer Graphics Lab has opened its doors to the public and will be hosting tours of the latest developments in our graphic lab. There is a limit of 30 people for the tours which will be held in two sessions, 4:00-4:45 pm and 5:00-5:45 pm. You must register for the tours at the Arts and Technology week exhibit if you are interested.

At 12:30 in the Campus Centre, there will be a live performance by Brett Maraldo and Paul Asselin, experimentors in electronic music. After the performance, they will make their equipment available for everyone to experiment with until around 8:00 pm. They will close the evening with a multi-media performance.

Saturday March 21

For you dancing enjoyment, Fed Hall will be showing computer generated animation videos in addition to the usual lineup of background videos.

CLUB ALIEN happens today!!!! CLUB ALIEN is a sound improvisation workshop in communication art. Event will be conducted by Toronto media artist Peeter Sepp and will take place at the stART Gallery, 125 King St. W. Kitchener, next door to Zappers Vide Arcade. Introduction and presentation starts at 2:00 p.m. and the actual sound improvisation will take place at 8:00 p.m. The event will be taped and kept as an art document. It will also be broadcast from CKMS and out into space. Here's your chance to try and contact all the alien life forms you ever wanted to contact.

Why do I have to be a Power Slave...

Slave to the Power of Math ?!

Hang on to your pitch-forks, Satan controls Toronto in only 8 days! To some this means the fulfilment of dared dreamed desires - Iron Maiden in concert. To some it means farewell to loved ones who were fool enough to buy floor tickets. But to others it means another stupid head-banging concert where senseless violence controls senseless minds to senseless music. It is to this last group of head-bangers that this article is addressed.

A Maiden concert is anything but senseless. Fear - that's what I call major sensation. I can't imagine any other time and place where your very existence is threatened by fire and brimstone or metal-mania zombies. Just think of it, all you have to do is whisper "I like Madonna" through the haze of white noise and next thing you know you're being passed hand over hand to the stage where the lead singer bites your head off. Awesome. Who wouldn't enjoy this feeding-frenzy? This is power-hour, energy out of control, people out of control, Chernobyl II. Like, we're not talking Duracell here.

I'll admit that the Gabriel-is-God concert last November was great. It was exciting to watch him walk like a messiah into the arms of the audience. But the key-word here is **adrenalin**. Iron Maiden doesn't walk into the audience, the audience throws themselves ecstatically at the stage impaling themselves on the electric guitars. Even the guys in the gray seats get their money's worth as 40 foot tall dragons drown them in fire. Awesome.

When you think about it, there's only one reason not to like this concert. Mortal man isn't deserving of such pleasure.

Bruce (I'm so wasted) Sutherland

Davis Centre Still Has Problems

Behind schedule, over budget, and generally pretty ugly, the new Davis Centre has more problems to contend with. Several hoboes have been found living in the building, resulting in quite a headache for UW officials. "I guess it looks too much like a boxcar," said spokesman Ivan Lefkowitz. "Every evening we have to clear these bums out of the structure. They've been lighting fires in the garbage cans and leaving Aqua Velva empties all over the place. It's really quite a mess."

The builders are also upset over a plan to have a 58-foot portrait of Doug Wright painted on the south wall. "We really had no plans for it," said Lefkowitz. "Unfortunately, there's not much we can do about it." The president's office voiced pleasure at the idea.

To add to these problems, it has been recently discovered that the DC is located on an ancient gravesite. As a result, several supernatural occurrences have plagued the workers, such as flying bricks and steel beams floating in mid-air. A team of exorcists has been called to the site to alleviate the problem. Lefkowitz has supplied workers with amulets and potions until the situation is resolved.

As far as funding the project, there is a bit of light at the end of the tunnel. Administration is seriously considering an offer from a local group wishing to install a bowling alley in the DC. "It will be the first bowling alley on campus in Canada," officials said, "showing that Waterloo is still at the forefront of computer technology." Also entering bids for space in the building are Canadian Tire, Shoppers Drug Mart and Harvey's. "It looks like this is the only way we're going to get this damn place paid for," said Lefkowitz. Billboard space on the roof is also being considered.

News Briefs

The visit to UW last Wednesday of Prime Minister Brian Mulroney overshadowed the arrival of another world leader. Emo Vlazdic, president of the European nation of Artuania, spoke to a crowd of seven Rec students in parking lot F. Vlazdic told a mathNEWS news team that he planned to open diplomatic relations with Canada as soon as they realize that his country exists. He was subsequently arrested by campus security for double-parking his Volvo.

Manachem Golan and Yoram Globus have announced plans to produce a film on the Iran-Contra affair. Called "I'll Take the Fifth", it stars Charles Bronson as John Poindexter, Clint Eastwood as Donald Regan, and Arnold Schwarzenegger as Oliver North. "Arnold was the perfect choice for the starring role," Golan said. "He doesn't have six lines in the whole film." Mr. T will make a special guest appearance as the Ayatollah Khomeini.

The Ontario Legislature was occupied earlier this week by a group of plant rights activists calling themselves "GREENSPACE". They sat in the chambers for three hours to protest the senseless slaughter of parsley and lettuce in Ontario's restaurants. They were escorted out by security officials armed with bananas and red currants.

British government officials are having a problem with law-breakers once again. Hundreds of unemployed youths are openly defying the law of gravity. "It's been quite a problem," said Constable Ivor Jenkins. "We've got kids walking hundreds of feet off the ground and we don't know what to do about it." MI5 will investigate the matter after this month's conference in Moscow.

There was hope this week for a settlement in the Middle East. Israeli Prime Minister Yitzhak Shamir has challenged PLO leader Yasser Arafat to a game of billiards to resolve the West Bank crisis. Syrian president Hafez Assad balked at the idea, however, calling for a best two-out-of-three armwrestling match. U.S. negotiators Dick Butkus and Bubba Smith have been dispatched to resolve the situation.

A recent poll has revealed that WWF wrestler King Kong Bundy is the favourite among decided Democrats for the 1988 Presidential nomination. Tip O'Neill announced his support for Bundy this week, saying, "We need someone with his sort of stamina and leadership potential in the White House." Challenger Gary Hart, in an apparent counter-move, has announced that Jesse the Body Ventura would be his choice for running mate.

TRAVEL CUTS Going Your Way!

Specializing in Student Travel

Prices applicable as of January 1st 1987, in Canadian dollars

EURAILPASS 1st class:	15 day	21 day	1 mth	2 mth	3 mth
Adult	\$ 392	\$ 490	\$ 616	\$ 868	\$ 1064
YOUTHPASS			\$ 434	\$ 560	
EURAIL SAVERPASS	\$ 279	(\$294	as of	April	1st 1987)

Prices subject to change without prior notice

University Shops Plaza

886 - 0400

Friday the 13th - Part II

The malevolent dark creature waited, beckoning him with its horrible slot-like mouth, waiting to pounce as midnight neared. Matt Jr., the Mathie was almost overcome by a wave of hysterical terror, but he swallowed his trepidation and forced his massive assignment into the box marked CS 240. What an assignment - after an all-nighter, no less! Matt Jr. staggered bleary-eyed to the elevators. He didn't think anything of it when the doors opened immediately, and jabbed the lowest button without concern. No, Matt Jr. didn't suspect a thing - but he was embarking on a strange and fateful journey into the unknown - into ... the Mathlight Zone.

Matt Jr. waited patiently as the elevator hurtled down. He passed the 5th floor, ... the 3rd floor, ... the 1st floor, ... wait a minute, that's not right! The elevator rushed onwards, bearing the suddenly alert Mathie down another 14 floors before stopping.

The doors opened. Outside was a dimly lit hall, dusty and bare. Matt Jr. thought for a moment, and decided to look around. Perhaps this was where the Dread Engineers kept their Flaccid Tool - he'd be famous forever if he captured it!

Forward he inched in the gloomy twilight, keeping his back as close to the wall as he could without getting dust on his polo shirt. He tried the first door handle - it was open! Matt stepped around the door and into the room.

Inside was the most hideous and grotesque collection of shapes young Matt had ever laid eyes on. More frightening than an Engineering stag, more distasteful than the King of the Carnival competition, Matt had stumbled into ... the Hall of Campus Sculptures. Here resides the University's collection of Art waiting for an innocent hillock or hole to perch on. There were terribly twisted tin things, sadistically shaped steel sculptures, particularly perverse plasters, and ... at the centre, in a shrine ... the remains of the Red Worm. Matt Jr. suppressed his gag reflex, and turned to run.

Matt wasn't going to get away that easily - behind him stood a green man. "Watchadoineremate?" threatened the little man, while his gigantic walkie-talkie squealed a guttural counterpoint. Matt spun and ran through another door.

The green man sneered and watched Matt go. "Into the house of theorems, eh?" he crooned to his 'talkie. "He'll not get out alive, no, precious, gollum!"

Matt had stumbled into another world ... possibly a disused corner of the sixth floor. Before him hovered and spun an entirely different universe. Here theorems existed as corporeal beings ... there was a hideous amorphous blob that had to be the Simplex Method ... further over a bandaged form that could only be L'Hopital's Rule's mummy ... and everywhere he turned, he was confronted by incarnations of LaPlace. It seemed the man had spawned a theorem or two in every branch of Mathematics. Some of the theorem forms seemed native to this place - perhaps they were theorems of LaPlace's that even he had been unable to find a use for. Matt Jr.'s mind reeled. Then it complexed. No matter, he couldn't deal with it. As he stared in utter panic, a monstrous doom encroached. Looming up in front of him was an Intermediate Value Theorem, and on either side a Squeeze Theorem was moving in. Matt had only time to mutter a quick prayer before...

Matt Jr. jerked awake in front of his terminal. The compiler had beeped at him: "Syntax error on or before END" it offered helpfully. Matt Jr. wiped the sweat from his brow, and called up the editor. Only a dream! No more double hot pepper pizzas from now on. Nonetheless, he was going to take the stairs to hand in *this* assignment.

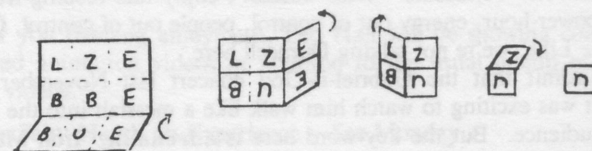
As Matt Jr. got up to get his output, the girl beside him dozed off in front of her terminal. On the screen there appeared a line of text: "Next stop ... the Mathlight Zone".

Sauron

Math Column

There was a bumper crop of solutions for the problem from the last issue. Congratulations go to icu2r over Fd'ed (a comment on your colouring block solution is in the MathSoc office), Les Richardson, Linda Evans, Carl Uschold, and Deb Bouck for submitting correct solutions.

Now, for one solution (I am not sure if it is unique but no one submitted any that were different) to last issue's problem. Starting with the layout shown in last issue, fold the bottom row toward you and up to cover BBE (see below for a diagrammatic explanation). Now, fold the right column away from you and left so it is covered by ZU. Fold the left column away from you, tucking the BB between the two E's so that the bottom square now reads, top down, UBEBBE. Finally, fold the top column away from you, tucking it in between the double B's so the final tight packet now reads UBE BLEZBE.



Here is a problem that hopefully will also generate a lot of response. In a community of 100 people, if 70% have brown eyes, 75% have dark hair, 85% are over 150 cm., and 90% weigh more than 50 kg., what *minimum* percentage have all four characteristics? With this minimum, give the distribution of the four characteristics among the 100 people. Solutions can be submitted in the black box (if it is up), the mathNEWS office, or the MathSoc office by March 23.

The above problem is a modified version of one in: Trigg, Charles W.; *Mathematical Quickies*; McGraw-Hill Book Company; Toronto; 1967; pg. 56,57

As most of you realize, today is once again Friday the 13th, for the second time in a month. For those superstitious types among you, today is considered to be an unlucky day. But, have you ever considered why the number 13 is considered to be unlucky? The only reason that I know is that there were 13 people (Jesus and his disciples) at the last supper.

Although some people associate fortune with numbers, the ancient Greeks were obsessed with numbers, giving some interesting characteristics to them. A number is perfect if it equals the sum of its divisors, not including itself. In ancient times, it was explained that God created the world in 6 days instead of 1 since 6 is the more perfect number. Also, the Greeks associated *one* with reason, *two* with opinion, *four* with justice, *five* with marriage, *seven* with health, and *eight* with love and friendship. Even numbers were feminine and odd numbers masculine. As a result, even numbers represented evil and odd numbers, good.

The number *five* represented marriage because it was the union of the first masculine and feminine numbers. The Romans, however, attributed love to *six* since it was the product of the two sexes.

The Pythagoreans had a special affection for the ideal number *ten* since it contains all the geometric forms. It's the sum of 1 (the point), 2 (the line), 3 (the plane), and 4 (the cube, or solid).

The above comes from: Vagara, W.C.; *Mathematics in Everyday Things*; Harper & Row; New York; 1959; pg. 142,143

The Final Alias

Feedback

Dear mathNEWS

Last winter, I attended the 3B CS Information Night and found that it helped me decide which of the over 25 4th year CS major courses to take. It is hard for me to believe that this important event only happened last winter, and this year as well, on the initiative of the CSC, in particular, Steve Rapaport. Last fall, it was not even held because no one in the CSC took on the task of organizing it.

I feel that this night should be held regularly every fall and winter by the CS department. This will ensure continuity and hopefully avoid the problems that occurred this year (e.g. it happening the night before CS 354 midterm). This will not happen, however, unless CS students in second year and in 3A let the department know that they want them to organize this event. Also, students in 3B CS or beyond who felt that it helped should let the department know that. Those students who felt that the Info Night did not help them, should consider how it might be improved in the future, and let the CS department or the CSC know that as well.

John Omielan: 4B AM/CS

Dear Dan (I mean dan),

I'm in Grade 13 at WCI this year, and I'm only 16 years old. My father (prof. W.H. Cherry I) brings MathNews (I mean mathNEWS) home every Friday (or is that every other Friday?) What I want to know is, can you still have friends if you're a super-keenergeek like me?

No, seriously, I'll be 17 in September, but I'll have to wait two frigging whole years before I'm legal! I've heard that I'll be let into Fed Hall if I wear a muscle shirt (but no muscles! - see mathNEWS Vol. 43, No. 2, "Keener Bingo") proclaiming loudly, "Thanks, but no thanks!"

Okay, so big deal. But I've also heard that if I'm away on a work term, many of the fun activities involve alcohol (not CH₃COOH) and I wouldn't be allowed to participate if I'm underage.

Oh, the perplexities of life, the choices a man must make in this earthly realm. (I have two hairs on my penis -- does this make me a man?) Should I wait till I'm 18 to go into university, or suffer for two years?

As I sit here listening to Vivaldi & Mozart (just kidding -- I'm really listening to Beethoven), I'm trying to elucidate in exactitude the phantasmagorical conglomeration of my ineluctable ineptitude and eat Raisin Bran at the same time -- not a simple feat. I've used my well-worn flowcharting template (see "Keener Bingo") to draw all the possibilities, but I'm stuck. Help me, please. Tell me the truth about alcohol and legality in university!!!!

James "Kino" Cherry, 13A

P.S. I just thought of a joke. You know Ann Landers, who helps people with their problems? Well, in my case, you (the editor) are dan Landers! Ha, ha! Get it?

Dear Kino

Fear not, for many people go through drastic changes when they come to university. As one of these people, i appeared quite normal when i started out here. Through time, the stresses and pleasures of University life took their toll until now both my physical and psychological appearances have altered quite drastically. Believe it or not, there is still time left before you fall into the cesspool of chronic keenerdom.

In order to save you from the miserable plight of falling into this ostracized order, i have compiled a brief list of pitfalls, and how to avoid them:

1) Age of Majority may limit your access to alcohol but that by no means limits your access to wild parties/dances/orgies, although admit-

tedly, one of these may be hard to come by. Note, however, that Age of Majority has nothing to do with age of consent.

2) Even if you do show up with sandy-blonde semi-greasy hair, for minimum expense, you could sport Technicolor clothing and hairstyles, both of which instantly dispel the wrath of the keener plague while identifying your existence to the female population.

3) Always start a Monday morning class ten minutes late with the phrase "Oh man, I'm so wasted".

4) Never start an assignment earlier than the night before it's due. Exceptions might be made for the odd fourth year compiler course, but these are as rare as Village orgies. If you're lucky though, you just might be able to combine the two.

These are just a select few of the things that you can do to make your life more interesting then a warm puddle of misery. In short the object of life in university is to go out and make it.

Dear mathNEWS,

At first, I thought that the 48-44 half credit reduction would make it easier to graduate. However, I have stumbled across a hidden restriction, never announced openly, that should make it impossible for all but the very lucky to graduate.

I picked up a copy of the "New 44-Half-Credit Honours Computer Science Requirements Check List" from the math undergrad office. Hidden amongst the paragraphs was an initially harmless-seeming sentence: "The average of all 44 courses must be 65%."

Now, how many people are out there who will manage to get exactly 65% as their final graduating average? You would have to have amazing good luck. I mean, what if you went into 4B with a 65%, and then all of your profs marked you too easy and you got 70's? You would have to do another term and hope that your average went down.

I think this should be brought to the attention of MathSoc, and that they should fight this injustice.

The anonymous 3B co-op student

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THE ADVENTURES OF WATMAN



Last issue, we left our dynamically drugged duo, as well as the serial, (or was that cereal) in *real* danger. Just as Watman's world seemed to be sliding into a morphine induced haze, he noticed that he was sitting tied up in red tape in a chair with Duck beside him, also tied up at the moment.

"Where are we?" asked Duck.

As Watman and Duck looked around they noticed that a loud, continuous drone was coming from several thousand algebra profs who

were lecturing all around the room. They were all practising their most boring, dull, monotone voices to use on unsuspecting Math 234B students.

"Wholly prof collection, Watman, we're being lectured to death", exclaimed Duck.

Try as they might, the hapless duo could not shut out the noise, and were quickly sliding into a shimmering, shiny sea of unconsciousness. But, before they completely slid in, they noticed someone sashaying towards them. He had on extra strength prof noise protectors, like all the professors in the room. Suddenly, Watman and Duck realized whose chin it was.

"Completely unexpected politicians, it's our prime minister. Mr. Baloney! That would explain the red tape.", pronounced Duck.

"Yes", said Baloney, who had read Duck's lip, "you are correct. It is a pleasure to meet you. Don't forget to vote for me in the next election. Not many other people will."

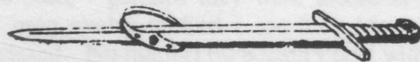
The profs glanced at Myron Baloney as he began his speech.

"My dear friends, I have called you here today to announce a large funding increase for scientific research into why dan dye: his hair psychedelic blue. This is being counterbalanced by a larger haircut in the same research for seventy-two thousand local algebra profs who we are draining the brains from to export as a national resource to our friendly Phreee Traidf pardners. Any questions? Yes, from the alien at the back. Don'n croud, now. Ya want to no watt this has too dew with the serch ferj nuclear powdered whales, nature's most bounciful, renewkable qresource? Why lots! Ye see saw off wthi n wltidfa ..."

What is happening? Is this a dream or is it reality? Is this serial going into a drug induced haze itself? Has Myron Baloney finally flipped? For the answer to these questions and others we hope you haven't thought of, tune in next week, same wat-time, same wat-channel!

Na-na-na-na na-na-no-na na-jna-ma-ma oh-oo-ah-ah ... WATMNA!
The Chuckler

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It's Almost Spring

One week from today the equinox occurs. This means that once again spring will be upon us. The doldrums that strike us all in the winter term will soon be over. Instead of trying to fit piecewise smooth cubic splines to statistics professor's hair, you can go outside and enjoy the fine spring weather.

Usually the warm days occur on weekdays, when you have exams, assignments, etc. to do, and the weekends are reserved for the blah spring days. But last weekend, as you may have noticed, was an exception to the rule. (There are always exceptions, as you should well know by now.) This could be considered a preview of the weather to come.

Fed Flicks intends on playing 'Spring' theme movies, most of which will be of a romantic nature. Included are "Wanda Does Waterloo" and "Last Tango in the Arts Library". The latter film includes a really awesome scene in the all new U of W bookmobile.

Flocks of birds will once again be visible at the campus. (Note: The Rabid Duck which had been attacking unsuspecting students has now been captured.)

Just imagine no more of that white stuff called snow...well, perhaps not if you're a player on the Pittsburgh Pirates. Yes, it's time for baseball too! Go Jays Go!

Superdave/CJ

Good morning math-cadets. The mathNEWSquizmaster wonders whether other cadets were affected by the residual effects of the "bad acid" edition of mathNEWS (Vol.43 no.4)? No, not rambling and incoherent thought processes (...symptomatic of "Watmandementia"...), or physical malaise accompanied by "the shakes" (... "Prof Quotes" withdrawal syndrome...), or even blurred and fading vision (... "mathNEWScoveritis"...). The mathNEWSquizmaster refers specifically to visions of blue skies and bright sunshine, balmy temperatures (+18 degrees C!) and the sight of ... froshettes clad in abbreviated summer-wear last weekend. (Perhaps it was the workload that week ... or Friday evening in the Bombshelter ...) And yet the illusion was cruelly shattered by the icy gray blasts that arrived on Monday morning. Was the mathNEWSquizmaster hallucinating? Or could other cadets have experienced similar phenomena? ... Maybe it was all just simply a ... (shudder!) "badacidissuedream"... and not an introduction to the dark powers of "mathNEWSvoodoo" vested in the mathNEWSeditor. (How does he do it? ... Only his hairdresser knows for sure!) The mathNEWSquizmaster can only urge each cadet to resist the incursion of yet another transcendental experience (most commonly associated with Math 134a sections) by concentrating fixedly on

mathNEWSquiz #17

1. Which science fiction novel, concerning the threat that science and totalitarianism held for literature, takes its title from the temperature at which paper burns?
2. Walter Gropius is most closely associated with which school of architecture and design?
3. What confection of nuts browned in boiling sugar is named for, the seventeenth century French soldier, Marshal de Plessis-Praslin?
4. Based on Psalm 72:8, what is Canada's motto?
5. Which Irish poet and dramatist claimed that "a cynic knows the price of everything and the value of nothing"?
6. The flag of which nation is square in shape, and bears an equal-armed white couped cross on a red field?
7. In terms of acreage, which is Canada's smallest national park?
8. Which four time "Tour de France" champion is known as "Le Blaireau" -- "The Badger"?
9. Which romantic poet and artist composed the following lines: "Tyger, Tyger, burning bright/ In the forests of the night:/ What immortal hand or eye,/ Could brame thy fearful symmetry? ..."
10. What do Blenheim, Elixhem, Ramilles, Oudenarde, and Malplaquet share in common?

Quiz solutions may be submitted on or before March 23, 1987, either in the "Black Box" (if it should find its way back onto the wall) outside the C+D Lounge on the third floor or under the mathNEWSoffice-door (MC 3036). Consideration will be given to all solutions, and yet another skilled prizewinner will be announced along with the solutions to mathNEWSquiz #17, plus a brand new mathNEWSquiz, in the next (term-end) issue of (your friend away from home) mathNEWS.

And now, specifically for any and all "shortly-clad" cadets, the solutions to mathNEWSquiz #16: "The Desert Fox" was Field Marshal Erwin Rommel; Amnesty International; "The Dave Clark Five" recorded "Glad All Over" ("... because you're meye-eye-eye-eye-eye-ine ..."); Wolfgang Amadeus Mozart; the quote belongs to Dr. Samuel Johnson; "The Doppler Effect/Shift"; Henry Fonda was Wyatt Earp in "My Darling Clementine"; Roger Bannister ran the first four minute mile; Samuel Taylor Coleridge's "The Rime of the Ancient Mariner"; and "The Potato Eaters", "Cypresses", "Starry Night", "Sunflowers" and "Crows Over the Wheat Fields" are titles of canvases by Vincent Van Gogh.

"Double chocolate doughnuts *cum laude*" to new mathNEWSquizexperts ... Jody Stocks&Colleen Evans with a perfect ten out of ten on mathNEWSquiz #16. "Kudos" to you, Jody and Colleen, and you may collect your prize and especial mathNEWSquizexpertcertificate at the MathSoc office (MC 3038) during their hours. Oodles and oodles of very fine submissions were made by the following cadets: Fred Widall, WSTomato (9); Ian Macpherson&Joe McRoberts, Karl Simonsen&John Ryan, Michelle ALTENBURGER&Susanne Bowen, Harvey Watson, Derek Hrynyshyn&Joel Orr, Tom Ivey&Carol Williams (8); Barb Hickling&John Barnett&Owen Sagness&Jeff Clark(&Tigger), "The Great Gazoo" (from Planet Zatox, no less), "The Edmonton Oiler" (7); Richard Schmidt, (cryptic symbol) (6); and in no particular order Grant&Denis&Lina, Phideaux, and Lance Sibley. The best of luck to you and all other future mathNEWSquizexperts on mathNEWSquiz #17, the next to last mathNEWSquiz of the term. Tune in next issue for more mathNEWSquiz.

the mathNEWSquizmaster.

Ultraclassifieds


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AMAZING!!! Chester has just proved the twin-prime conjecture! "After all," says Chester, "if a stock Corvette can go 211 mph, just think of what primes can do!"

Dr. Supremum says: $\sup \{(\# \text{ of air conditioners on U of W campus}), (\# \text{ of Via Rail routes which make a profit}) - 1\} = 0$.

Is Barley's Tomato rotten? Find out next time!

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GhostComments

Our GridMaster can't be with us this issue - a personal matter has arisen. He promises to outdo himself in the next issue to make amends. In the meantime, we are about to place you in the calloused but oh-so-gentle hands of Mr. Tom Ivey, tonight's Guasst Host. But before we do, a few administrative duties ...

Last issue's Cryptic-only Grid generates 39 responses - of which 30 were correct. For Conventional hacks who took a shot - very brave of you. It wasn't so bad, was it?

This time's winner (selected by the Presidential Digital Insertion and Extraction Method) is ... **mikeandmj**.

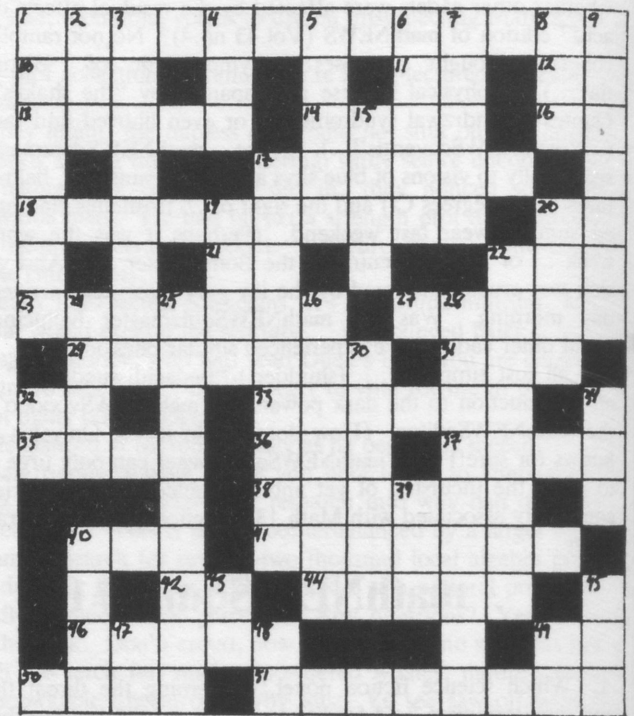
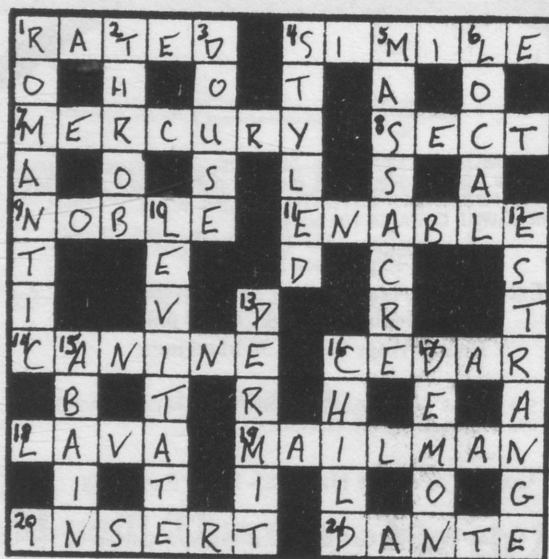
This week's esteemed correct submitters: Angus Young, Jim Sankey, Mark Mason, William Hughes, Ann Topping & Steve Barkley, Mike Hess & Karen Joyce, The Edmonton Euler, The GSC, James Cherry, Dani Rolson, Yuk Foo, Ernie Wiseman, Cilly B, Patti Munroe & Jim Foley, Robin Blomfield, Manute Bol, Karen Chorny & Dave Caughey, Randy Richard, Skin**4, Grendel, mikeandmj, Ian Macpherson, Lance Sibley, (Cryptic Symbol), Grant & Denis & Lina, Richard Schmidt, Salvador Dali, John & Val, Wazo Speedy Tomato, SDG, Zamil Janmohamed.

Close but No Cigar: Brian Scarce (the only one here who didn't get 'insert' wrong), Doug Watt, SuperDave, The Bangles, Ken & Valerie O'Reilly, Phideaux, Jody Stocks & Colleen Evans, The Great Gazoo, the Black Rabbit of Inle (Muffed it, wabbit).

Main Missions: 'walk with an erection (might be difficult, considering)', 'Impossible', 'To boldly go ...', 'To collect old masters & young mistresses', 'To boldly pass & get my BMath', 'The one that the swallows return to every spring', 'obliterate Keenergeeks campus-wide', 'to be cccilly', 'to get this done so I can get back to work', 'bomb Iran', 'return to my homeland & herd camels again', 'enrich the lives of lonely co-eds', 'April 24'.

Comments: 'Give me your clothes. Now' (??), 'My dead turtle is very nice and never says No' (slow but steady wins the race), 'Smells like Oliver North's jock', 'Proof of the Week : 11=10 (See Gridword)', 'Are they getting easier, or are we just getting better?' (At what?), 'Oh, man! My hamster eats my raisin bran!' (He'll love the new Davis Centre Habitrail, then), 'No walruses please!', 'is school over yet?? p.s. I scratched & sniffed - just ink & paper', 'Cathy - Shut-up!' 'I wish all my midterms were this easy', '(club) your wife, (spade) your dog, so says Zoltan', 'Oral Roberts Lives !! (But for how long?)'.

That's about it ... Don't forget to fill out the Comment, and beware of migratory birds (*African or European swallows?*). And now, here's taively --->



Who?
 Favorite body of water
 Comment

Across

1. not uneventful
10. anger, wrath
11. ___109, JFK's boat
12. alternating current
13. singable
14. ketchup singer
16. ___WH, Hebrew "God"
17. money for mass
18. castrate
20. kind of mocambo
21. easily lead
22. less than a crowd
23. poseidon brandishes
27. lustre, brightness
29. foreboding
31. "to ___ is human"
32. applied math
33. lead a new life. e.g.
35. strips of wood in a lattice
36. Montreal symphony orchestra
37. to tie together
38. last english pope
40. black mark
41. he rose from the grave
42. all right
44. "this ___ raw" (2 wds), underdone sweet potato
46. "___'s land", forbidden territory
49. not from
50. Greek prefix for "many"
51. very large

Down

1. illness
2. "___ Salvages", poem by Eliot
3. word for word
4. nation energy commission
5. not while
6. new disney attr.
7. rolling magazine
8. have permission
9. level, tier
15. "___, a plan, a canal: Panama"
17. below average
19. common Chinese surname
20. large water pitcher
22. airport. e.g.
24. italian capital in italian
25. division into two
26. March 31st, 1987
28. book discussing plants and herbs
30. 15th century dukes of milan
32. short for allan, etc.
34. to sum up
39. "I think, therefore..." (2 wds)
40. "Book'em...."
43. egyptian soul
45. titanic message
47. overload
48. french not