

A Campus in Crisis

Administration is starting to worry. Does UW have too much space? with last winter's completion of Hagey Hall of the Humanities, it came to everyone's attention that there was a lot of unnecessary space on campus. "I don't think we'll even have enough students to fill the classrooms," said a worried president last week. "And it doesn't look like there'll be any large increase in enrollment in the near future."

Facing the prospect of the UW population staying steady, or possibly dropping a bit in the next few years, administrators are considering a drop in tuition to attract more high school grads to Waterloo. One press release hinted that there may be a 5-12% cut in tuition in the next year to help the population grow a bit. From our own faculty, reports are saying that math has too much space. "Think about the direction computers are heading! In a couple decades, we'll be able to replace the red room with as many as four or five individual computers, all just as fast, if not faster

than the original," said the chair of the AA&CS department. "If anything, we'll have enormous amounts of space to give away ten, fifteen years from now." Housing is also becoming a major issue. With the current plans for expanding residences, including at the church colleges, all students will be living on campus before long and the area around UW will be a ghost town. Housing prices will drop dangerously and businesses will move away from the property-trap. The best hope for UW is for admissions to jump a couple percent every year. "The buildings we have now can definitely support a major increase in enrollment, like 5%," reported a

con't on page 5

math NEWS

issue 0

a new publication
published at the
University of Waterloo
Tuesday, June 29, 1971

Math Coffee Cart Target of Investigation

Six people are in hospital and a 43-year-old coffee cart proprietor is under inves-

tigation by the Kitchener Police after a bizarre turn of events featuring a new food item.

Jay McMullen, manager of the Math Coffee Cart, is charged with breaching trust and introducing an illegal and addictive substance to the general public, after he started selling homemade donuts along with the daily coffee.

Kyle Johansson, a second year Math student, was taken to hospital after he was found running around uncontrollably around the 3rd floor. His brother, Randal, was also taken to

Kitchener General with a lacerated stomach after ingesting the offensive substance.

Initial investigations point at McMullen to have inject huge amounts of sugar and caramel inside fried donuts. The effects of ingesting these offensive items are yet to be known, but they are reported to leave its eater "wanting more" and "on a sugar high," as described by Constable Sandy Franco. A group of students were found on the 6th floor, playing a high-powered round of hide and seek around the computer

con't on page 3

NEWS of *math*

Calc Prodigy Wins Salem

Charles Fefferman is shocking the world with his prowess in calculus. At 22, he has not only earned the prestigious Salem Prize for outstanding work in Fourier series (Why isn't there a prize for work with Taylor Series?), but has just become the youngest full professor in US history. Most impressive is that it has been two years since he completed his PhD programme at Princeton. So, why aren't you done your thesis yet?

Fermat's Full of Lies

Well, another Fermat number has been factored. $F_7 = 59649589127497217 \times 5704689200685129065721$. Working out of UCal, Billhart and Morrison, using an IBM model 360/91, have factored the third non-prime Fermat number, supporting the fact the Fermat was a liar who didn't know math from a hole in his head. So far, we only have one useful theorem from him (his little one, at that), the rest is unprovable or has been shown wrong. In fact, if we don't see a counter-example to Fermat's Last Theorem in the next 26 years or so, I'll eat my hat.

A great innovation in robotics was achieved earlier this month at Waseda University: Their WAP-3 robot could climb stairs. Robotics was nothing to fear as long as humans could ascend a staircase to escape murderous androids and the like (let us not forget how easy it was for the doctor to avoid daleks in last week's episode). But now that robots have mastered stairs, all-terrain robots are next, and we know that if these bots are made for walking, then that's just what they'll do, and one of these days these bots are going to walk all over the government and become our evil rulers.

New Prof Starting at UW

Evan Tom Davies will be coming to Waterloo this fall as a member of the Math Faculty. This distinguished Welsh professor is best known for his years as the chair of Math at Southampton University in England and as editor of *Aequationes Mathematicae*. The majority of his work has been in differential geometry and the calculus of variation. Davies, who actually retired two years ago, will join the faculty after doing research at the University of Calgary.

Robots, Will They Rule Us?

Pascal — the newest Craze

All over the computing community, people are switching over to the latest advances in programming languages. Stop using dinosaurs like Cobol and Fortran. It is time to switch over to the programming language of the 70's! Stop worrying about not being able to find an important line of the code. You will never lose track of what you are working on. Forget about having to type out a procedure every time you need to use it. Pascal is designed so that you can write an important function only once and you can call the function anywhere in the program. Its block structure allows for an easy way to locate functions and procedures. It is also compatible to today's best monitors and graphics applications. Since you only need to write a procedure once every program, you

will be able to work more efficiently.

Debugging used to be a time-consuming chore. Not anymore. By using Pascal, you will get more done even if you are prone to errors. The compiler automatically locates the error and its type so that you can quickly correct it.

Pascal is a revolutionary product and will be used by computer scientists all around the world for the next 30 years. So go with the flow, get the programming language of the future, today. Available in a computer lab near you.

Martin McDermot
Part-Time Columnist

ad-

3 Course Curriculum Considerations

Having examined the 1971 course curriculum, I would recommend the following potential changes to the faculty:

1. The Department of Applied Analysis and Computer Science should see about shortening its name. That's a lot to write, and even the abbreviation has its problems. AA&CS gives one the image of a bunch of anonymous drunks stumbling around in a computer room. How is anyone supposed to tell who the real coders/operators are in such a situation?
2. The course MATH 239 (A&B) should be renamed to something different. This course, the "Introduction to Combinatorics and Optimization," has a very silly course code. Call it MATH 230. Help make it clear what the course is all about. Besides, lower numbers on course codes means you don't have to count as high, which is important in a math faculty.
3. Drop STAT 231 as a course requirement. This course, currently just a proposed offshoot from the statistics course MATH 233, should not be added into the curriculum as an obligatory course. Of course, there are rumours going around that it will not happen anyway. In fact, I have it on high authority that the rumours are true, so never fear: STAT 231 can't last, and won't be around when you graduate.

Georg Taylr

Scandal Arpanet

In the United States last week, a top navy commander was temporarily relieved of his duties for reading several "Penthouse-like" letters on the Arpanet with a room-sized computer provided to him by the Department of Defence.

Commander Derek Lerhe, 52, was relieved of his post as fleet commander for the West Coast on the grounds of 'conduct to the prejudice of good order and discipline.' Despite the fact that the deed was done outside working hours and his honest admission to the act, the suspension stands until a hearing can be arranged.

"I'm still puzzled as to how those files got there," said Arpanet Administrator Gary Bronhurst. "I mean, it's strictly for army purposes, so why are there erotic text files on it, and who let a naval officer get access to it?" He then began a thorough investigation of the issue with a bunch of his guy-friends. The Arpanet, which serves as a super-highway of information for the US Military, is currently under investigation following this event. Combined with A.R.P.A. Com's IPO scandal, some computer experts say that the whole idea of an interconnecting web of data should be scrapped.

Others are not being so hasty. "Let's just wait and see what comes up," said a professor of computerology at Duke University investigating the scandalous text files. "Think of the benefits ... uh, to humanity, once images can be transferred via the 'net. Oh man!"

Lerhe regrets the deed, but was unaware that it would cause so much trouble. "I just hope none of my family makes a similar error down the road," said the remorseful former-commander, "but just to avoid further issues, if I lose my job here over this thing, we're moving to Canada."

Bradford M Smith

INVESTIGATION

(cont'd from p1)

equipment. Animal Control officers had to be called in, and tranquilizers were used to subdue the students. The students were described as "hyper" and "extremely annoying."

Mr. McMullen will make a court appearance this coming Friday. The current

law prohibits more than 5 grams of sugar or glucose related materials inside a pastry sold in the M&C department.

Amadaeus
The Freshman Cornered

Computer "Science" a Fad

Still a few years after declaring a separate department for Applied Analysis and Computer Science within the Faculty of Mathematics, students feelings towards the the future of the department is somewhat mixed.

A group of students, calling themselves the "Computer Science Club," hail the department as a haven for students studying 'computers' as a first step in the world domination by computer users. However, most students are brushing off AA&CS as a 'fad' and expect it to fade away in the near future.

Math student Barley Mackrodney puts it bluntly: "what are the chances that people will be using computers full time in the next 5 years. I mean, even thirty years down the road, people will still use the time-honoured tradition of calculating equations by using their head or slide-rule, and creating assignments with their typewriters." Mackrodney continues to criticize the infeasibility of computer usage, stating that only the 3 richest kings of Europe will be able to buy and maintain their computers in the next 20 years.

New computer student Joseph Mckinely was a bit more optimistic: "well, computers will become an integral part of human life in the future. In 30 years, we AA&CS students will be in demand to constantly maintain the tape drive, the liquid nitrogen to cool down the units, and maybe even some maintenance on coded punchcards! Our future looks bright!"

An anniversary celebration for the department will take place next week, including a reception and the unveiling of the new computer on the 6th floor. The newest hardware was supposed to cover half the floor, but due to a cash infusion, the AA&CS department was able to buy a 500K upgrade that would encompass the entire floor. The celebration for the new computer and the upgrade will conclude with a ceremonial 'powering up' ceremony.

Amadaeus

The Freshman Cornered

Attention:
POWER OUTAGE EXPECTED

Canada

With apologies to Allen Ginsberg

Canada I've given you all and now I'm nothing.
Canada three dollars and eighty-two cents June 25, 1971.

I can't stand my own mind.

Canada when will you have safe nuclear power?
Go fuck yourself with your Candu Reactors.

Canada when will you send wheat to everyone?
When can I go into the supermarket and buy what I need in French?

Margaret Laurence is in England I don't think she'll come back it's sinister.

Canada stop pushing I know what I'm doing.

Canada the maple trees need tapping.

I'm addressing you.

Are you going to let your emotional life be run by Maclean's?

I'm obsessed by Maclean's.

I read it every week in the basement of the Dana Porter Library.

It occurs to me that I am Canada.

I am talking to myself again.

Manifest destiny is rising against me.

I've got an infinitesimal chance.

I'd better consider my national resources.

My national resources consist of two official languages, millions of stubbies of beer, a computer program called WATFOR, and all the hemp in BC.

Canada it's them bad Americans.

The America want to eat us alive. The America's power mad. She wants to take our dog sleds from out our igloos.

Her wants to grab Montreal. Her needs stars and stripes on everything.

That no good. Ugh.

Canada this is quite serious.

Canada is this correct?

I'd better get right down to the job.

Canada I'm putting my shoulder pad to the

Due to the powering up ceremony next week, the power to all floors other than the the sixth will be cut to prevent a generator meltdown. All students are asked to evacuate the school or relocate to the sixth floor for their own safety.

Convert the Nuclear Bomb Shelter

Due to the solid cement construction of the Math and Computer building (M&C), it has come to the attention of Campus Services that the M&C building and the Class A3-50 Nuclear Bunker beside the Campus Center serve the same purpose. Hence, with the introduction of the high-tech, space-age twin classrooms M&C 2066 and M&C 2065, and the immense capacity of M&C, it has been recommended that the A3-50NukeBunk be retired from active classroom service effective immediately.

The A3-50NukeBunk is currently outfitted with a kitchen, bathrooms, and DJ booth so as to be fully self sufficient in case of nuclear war. The bunker has been serving as a classroom for nearly five years. Professors have noted that attendance to classes held at the A3-50NukeBunk is unusually high and is particularly good on St. Patrick's day and on Wednesday evening classes.

In an uncharacteristic show of concern, Campus Services has decided to hold an open survey with the students of the University to determine what should be done with the still fully-functional A3-50NukeBunk.

Included below is a survey ballot that can be filled out and mailed into Campus Services at your convenience.

What should be done with the A3-50 Nuclear Bunker?

- It should remain as an emergency bomb shelter. – Never know when those crazy Laurier students will

- Turn it into a petting zoo! – There seems to be plenty of smelly people on campus with nowhere to put them.
- A library is what we need. – The Nuclear Bunker is the perfect place to store thousands upon thousands of books. Especially since once the fourth floor of M&C is filled, there is nowhere to store technical books on campus.
- Clearly, it should be turned into a burlesque house. – Shouldn't everything?
- Turn it into a pub and call it the "Bombshelter" as commemoration. – Students need a place where they can engage in intelligent conversation. It is not a place to get "Bombed" as the name would indicate.

Current survey results show that there is a strong interest in the petting zoo and the emergency bomb shelter. There does not appear to be any student interest in intelligent conversation at a pub called the Bombshelter.

It should be noted that regardless of the decision, the A3-50NukeBunk will be renovated with space-age materials that will require no maintenance in the future and will last forever. It appears that whatever the A3-50NukeBunk becomes, Campus Services does not intend it to be known as a "dive."

Kev Oh

CAMPUS CRISIS

(cont'd from p1)

representative for the maintenance team. "Look at the Biology building: If it needs renovating before 2025, I'll eat my hat!" It should be noted that he did not have a hat at the time. "At the way things are looking, there won't be need for any new buildings in the next fifty years, let alone for three at once – that would take some really poor planning on our part!"

As it stands, the only place where there looks to be any expansion planned is North Campus. A deal has almost been reached to construct a massive amusement park on the space, Waterloo is just looking for one more major partner to sign on before beginning work. Said a report, "That land won't just be for farming much longer!"

Bradford M Smith

PICTURE OF M&C

Is this building too big?

THE mathLETICS ALMANAC

It's a calm world in sports, with nothing ground-breaking in sight! So, with his sporting year in Review for 1971, here's mathNEWS Sports Editor, Michael "the Loudspeaker" Lau:

Another hockey season has come and gone. The 14-team NHL is definitely the best hockey league in the world and there will not be any challengers to the NHL in the near future. We can safely assume that Canada's place as the best nation in hockey will not be questioned for the next 30 years. Since the Leafs have not won the Cup in 4 years, they are due to win it all next year. However, in spite of what the Leafs fans claims, Paul Henderson is just an average player and will never, ever, get all Canadian's admiration. With stars like Bobby Orr, Bobby Hull, Ken Dryden, and Stan Mikita playing as well as they are right now, the quality of play in the NHL will continue to be top notch even without the input of Europeans.

The juggernaut known as Brazil continues to rule the soccer world as they have won 3 of the past 4 World Cups. Even though Pele had announced that he has played his last world Cup match, the Brazilians will continue to roll as there are already a few talented young guns who are ready to step in. On the other side of the Atlantic, Netherlands is definitely the side that's on the rise. Its best club, Ajax, won the European Champions Cup held in historic Wembley. Cryuff has shown brilliance in club competition and will be a force to be reckoned with for years to come.

Lou Gerhig

3. 714 home runs in a career by Babe Ruth

Things that will never happen in the future:

1. The NHL has a team in Florida.
2. Canada winning a Major soccer tour-

On the diamond, the Pittsburgh Pirates won the world series. Nolan Ryan, the highest paid player in professional sport at over \$1,000,000 a year, continues to strike fear to opposition batters. Pete Rose doles out hit after hit after hit. The all-time hits record will no doubt be his someday and there is nothing standing between him and the Baseball Hall of Fame in Cooperstown.

Johnny Unitas tasted the thrill of victory after suffering the agony of

defeat two years ago by the hands of Joe Namath. Unitas and his Baltimore Colts defeated the Tom Landry-led Dallas Cowboys to win Super Bowl V. Even though this year's Super Bowl is its fifth installment, many skeptics remain doubtful that the event is viable, especially with the recent elimination of the AFL. Above the 49, Calgary beat Toronto to win Grey Cup. Unlike the Super Bowl, the Grey Cup is here to stay and the CFL will continue to have a strong following for years to come.

On the hardwood, second year player Kareem Abdul-Jabbar continues to score at a torrid pace. His play dazzles the crowd and makes the headlines. He also led his team, the Milwaukee Bucks, with whom he plans to finish his career, to the NBA Championship. Many fans of the game are wondering if the NBA is going to give its final series a special name as the NBA is the only Major League sport in North America whose championship trophy has no alternative name.

Michael "the Loudspeaker" Lau

Records that will never be broken:

1. 76 goals in a NHL season by Phil Esposito (set this year)
2. 2130 consecutive games played by

One Small Step leads to Triple Bogie

What started off as the most momentous occasion for mankind this century led to

the most embarrassing start for the PGA scouting tour.

Looking for ways to expand, PGA director Kiloscriber KillPuss enlisted astronaut Alan Shepard to scout out environments on the moon for a potential golf course, to be built around 2001. The proposed dome structure will encompass 9.6 square km of lunar real estate and will feature a 26-hole championship golf course, and will act as the final course to be played in the 2005 season. Considering the lowered gravity, KillPuss envisioned a 700 yards hole 18 as a par 4 finale. However, Shepard ran through a test run in February, trying to tee off of the Christoph Crater. Using a 6-iron, the ball flew out of orbit and into the emptiness of space. Learning of the disastrous conditions on the moon, and

the potential of cracking the future golf dome when balls go flying upwards, the PGA has announced that they would scrap plans for the future golf dome. KillPuss, in a press conference yesterday, re-iterated that they still will continue with their plans for a condo park to be built on Gummy Joe Crater by 1997. Also on the construction block is a 400 room Lunar Hilton, to be built by 2003.

When asked to clarify the future of other off-world golf courses, KillPuss would not rule out construction on Uranus, Mars, or the sun, although plans for its construction is still pending.

Splendid New Sport!

It was all over when those bullies from engineering threw the football on the roof of the biology building ... or was it? Second-year student, Reginald Michum pulled a replacement ball out of his lunch bag, but wait, it wasn't a ball at all, it was ... a pie?

That's right, using the pie plate (Ma Frisbee's Special Foil Pie Plate) from the bumbleberry pie his mother had baked him for lunch, Reginald led his classmates in a rousing match of pie-plate football!

"I'm surprised this game was such a fabulous success," said Joanne O'Sumpin, "who knew that chucking a

name or getting into the world Cup.

3. An athlete's annual salary exceeding \$2,000,000.
4. A player scoring more than 200 points in a NHL season.
5. A runner runs a mile in less than 3:50.
6. Football strongholds Ottawa, Baltimore, Los Angeles, Cleveland, or St. Louis will lose their football franchises.

discus-styled object in a football manner could provide such pleasure?"

"Oh my, this is far better than rolling a barrel hoop with a stick, which is what I stopped doing to partake in this most outrageous game," revealed an ecstatic Gordie Williamson. "Three cheers for Reginald, and his idea that will transcend the ages!" But nobody listened to Gordie, as usual.

Archibald Chin, who played along with his peers, said, "Woah man, my hands are like, so huge! They can touch everything but the pie plate." He then caught the Ma Frisbee disk. "Oh, there they go." The match, which provided even more entertainment when they moved to a faster, no-stopping style, was truly enjoyed by all participants. Afterwards, unexpected inventor Reginald had this to say. "Wow, that was a most triumphant sport, if ever I had played one. In fact, I'd have to say that this is the ultimate game, which is why I shall name this new sport ... Piplootball, in honour of the pie-plate and football combination."

Simon Klein, (highlights on page 11)

No Sex in the Exec Office

A PARODY OF A SONG THAT IS A PARODY OF A SONG THAT HASN'T BEEN WRITTEN YET
Ladies and gentlemen of the graduating class of 1971,
I have one piece of advice for you,

No matter what anyone tells you,
There is no sex in the Exec office.
None!
Oh there're Execs in the Exec Office,
But you don't want Execs you want sex,
And there's no sex in the Exec Office.

Don't fall asleep in Calculus class.
Sure it feels nice and you think you're
learning,
But come the midterm, you know you
won't pass.
If a girl says she is a frosh, and she
looks like a frosh,
She's frosh.
If a woman says she is a professor,
and looks like a professor,
She is too damn old for you.
Take off that silly-ass tie.
The crazy frosh couldn't have possibly
committed all those pranks,
Tushar did some of that shit.
Young mathies, if you go to a movie
theatre and some guy says p is 3,
let it slide.
No use spending the next twenty min-
utes being beaten up because your a
nerd.
Soap, ain't nothing wrong with that.
No matter what you think of what I'm
saying remember this one thing,
There's no sex in the Exec Office.

Why Art?

In the last year, a number of new ar-
tistic creations have been com-
missioned for campus display. There's
the "Sculpture Environment" down by
Hagey Hall. The "Quasar" in the M&C
building. The "Break" in that area just
outside (you can't miss this one, it's
shaped like an egg - hopefully it
won't be stolen by poachers). But
... why this art? Is it some attempt to
rope in more Arts students? Is it to
give our campus that lived in look? Is
watching techs running around in the
Red Room no longer enough to captivate
our interest?

In fact, I believe the answer is more
sinister. Note that all of these
sculptures have been placed outside, or
in a well lit area. This is an attempt
to get us to see daylight! That's not
supposed to happen, particularly
for anyone in the M&C building, which

If a company has a funny job posting,
They haven't been in business that
long,
A real company is too anal to be funny.
If a girl has a pocket protector she
will probably do your assignment.
If a guy has a pocket protector he will
probably do your assignment.
Here is a horoscope for everyone.
Aquarius your gonna fail.
Capricorn your gonna fail.
Gemini your gonna fail twice.
Leo your gonna fail.
Scorpio your gonna fail fuckin'.
No one goes to M&C for girls,
If you have been dating a geek for
four months,
And you haven't met any of his friends,
Then he has no friends.
Some of the things may not apply to
you.
Some of the things I've said may
offend you.
But no matter who you are remember
this one thing,
No matter what anyone says,
There is no sex in the Exec Office.
None!

Alfred "Hey, hey, hey!" O'Connor

abhors windows (windows and comput-
ers don't mix well). Yet once word of
mouth spreads, we will feel compelled
to look around and see all this new art
on campus. Thus we will be exposed to
the deadly rays of the sun (deadly even
to students who aren't vampires)! It's
a conspiracy I tell you! But they'll
never get me!! I'm going to remain up
in the 4th floor E.M.S. Library where
I won't have to deal with any bizarre
surrealistic montages containing crazy
colours, twisting corners or flowing
water, out in that harshness called re-
ality!!! And if you think I'm mad now,
just wait another thirty years when I'm
the one they'll be commissioning to
create 3-D artworks ... AHAHAHAHAHA!!!!
I'm ready for my medication now.

Georg Taylr

Red Room not big enough, man

Hey, man. You know what, that there computing is the solid, hot shot topic in the world, you dig? It's believed by the most psychedelic scientist dudes around the world that computer gadgets will eventually be able to do groovy, groovy deeds, man. Far out, man! But, if we want to accomplish those radical, way cool things, man, we'll need bigger and better computer machines. Size matters, man. Size matters.

So you know what Jerry says to me, boss? Jerry, the MAN, says that that big Red Room we have back there, the one with all the dudes and dudettes in lab coats and stuff, Jerry says that room ain't big enough. I hear that, man! We need a hopped up super mutha of a room to fit the world's biggest, baddest, most bitchin' computer thingy out there! Right on!

And you know what else Jerry says? Jerry, the MAN, says that those University of Toronto kids wanna build a big Grey Room just to show us up! Well you know what I say, man? I say those Uoft kids are just jive Turkey's, man. Totally lame brothers, man. We'll show those ditz's and their skags how to do it right, man. They don't know nothin', you dig? Solid!

Man, that Jerry's so outta sight, man. Man, he's like dy-no-mite!. I'd streak that crusty old dean if he told me to, man. That's how righteous that Jerry is, man. Man, some dudes just don't get it. But that Jerry, he's the MAN, man! Man.

Anyways, man, I gotta haul ass. There's some foxy lady in my calculus class. I gotta find out if she grooves as much as her gravy says she does, man. Check ya later, man.

KevMan

Gas Price Soars

In an unprecedented move yesterday, Canadian Petroleum Corporation (A fully owned subsidiary of Canadian Pacific) raised prices for leaded gasoline by three cents yesterday, breaking a short, 5-week price freeze. Pumps nationwide ranged from 8 cents to 12 cents.

Motorists across Canada are outraged. Harry Tasker of Vancouver, driving a 1971 Chrysler K300 station wagon expressed dismay at the lack of compassion by the gas companies as he worked the pump through the wooden panels of his gas tank. "These gas companies don't care about everyday consumers. 8 cents is a lot of money. What's next? 9 cents? It's going to skyrocket very soon." Tasker continued, "Soon, I won't be able to drive my station wagon. Very soon, car companies will have to make mini-cars, 20, maybe 30 years down the road because gas prices keep on rising."

Industry watchdogs blame the decreased cache of backup petroleum in the National reserves. Analyzing what we can expect from the future, John Grazner of the Business Faculty of the University of western Ontario predicts a darker future ahead. "I think we're seeing a slight trend. In 30 years, these petroleum corporation will be able to set their gas prices to unbelievable heights if they can't get these damn hydrogen cars working." Continuing on, Tasker commented: "I think we can see prices of 12 to 15 cents next year, and maybe it can reach 25 cents by the year 2001. We never know. Maybe by then, cars will be so small and light that it could work on solar power instead of fossil fuels. Either way, what I am sure is that as time progresses, the demand for large cumbersome cars will drop and smaller, fuel-efficient automobiles will be more popular."

Canadian Petroleum refuses to comment on the industry trend, although they did make one official statement: "Canadians will pay whatever we tell them to pay. They will complain all they want, but in the end they will just swallow the cost with lots of complaining. It's the Canadian way."

Amadaeus

A Wanderer in Washington

Reports from the U.S. capital

There have been a few instances of unwanted visitors getting into the military's Arpanet in recent weeks. As the "net" is only available to a select few, only a small portion of the general public have knowledge of the incidents. The military has yet to find the person or persons behind the "visitation," but the military believes that the visitors have connections to the Soviet Union. To combat this problem, the U.S. military constantly changes passwords to the net and replaces the personnel who have access to sensitive information.

The people in NSA are working day and night to devise a new coding scheme that is difficult to break. They have to do so because the Soviet intelligence are breaking American crypto-systems as fast as Americans create them, or vice versa. Some mathematicians in the NSA are suggesting the creation of a public key cryptographic algorithm, but the idea is not well-received by their colleagues. "Public-key cryptography will never work," says one NSA personnel. He believes that there will not be any public-key coding schemes that are used by the military, let alone the general public, in the next 30 years.

Richard Nixon, with one year to go in his term, is now considering re-election plans. So far his campaign plans are sketchy, but none of his aides think that the campaign will hit any snags. At the same time, Nixon is considering withdrawing American troops from Vietnam. The Americans have been involved in Vietnam for a decade and the fighting has not ceased. The anti-war movement is very strong and Nixon may withdraw the G.I.'s to win back support from the moderates. It may be a first step towards a better relationship with the Vietnam and China, but Nixon's aides say that we should not expect Nixon making a visit to Beijing anytime soon.

This report is compiled by Michael
"the Loudspeaker" Lau

UW GOES INTERNATIONAL

The Canadian government has awarded the University of Waterloo for their efforts in encouraging foreign students to come over to Canada to pursue their academic studies.

Within the last year, twelve additional students have come from Beijing, China, doubling the number of oriental students at the university. There are now currently twenty three Chinese people, fourteen Indian people, seventeen Afro-americans, and an eskimo.

Of course, the rising number of immigrants have caused small conservative groups to express radical concerns. One group which wishes to remain anonymous stated, "Immigrants, entering UW, will feel self-conscious and begin to gather in cliques. Next thing you know, they'll become gangs and then they'll start carrying scimitars and nunchuks. Finally, the tension will become so thick that international gang wars will erupt in our nice quiet university." OPIRG (Ontario Public Interest Research Group) has stated that the number of foreign exchange students will begin to exponentially increase until 40% of UW students will be Asian by the year 2000. At this point, foreign and non-foreign students will begin fighting for territory.

When the UW president was asked for comment, he strongly stated that it was absurd and that the people were unduly concerned. "First of all, UW will ensure that every Asian will register their scimitar, nunchuks, and kung-fu style. Second, we will neuter all foreign exchange students so the 'exponential' growth that is spoken of will never happen."

Starting next week, foreign exchange students must go to the Campus Centre where on-campus police and veterinarians will register weapons and perform neutering.

MonkeyMan Sr.

mathNEWSquiz #0

So, we thought we could fill some space by asking you irregular, non-everyday questions on a variety of subjects. The idea is, you submit answers in the next week and a half, and we award you with prizes. Sounds easy enough, so here are your current event trivia questions compiled by Darren McEachern and organized by Bradford Smith – sounds like a good combination, they should work together in the future.

MUSICAL QUESTIONS

POINT FOR TITLE, POINT FOR ARTIST

1. when you're weary, feeling small
when tears are in your eyes, I
will dry them all (all)
I'm on your side, oh, when times
get rough
And friends just can't be found
2. If you should ever miss the arms
That used to hold you so close,
or the lips
That used to touch you so tenderly
Just remember what I told you
3. Come on, come one, come on
Let me show you what it's all about!
Reading, writing and arithmetic
Are the branches of the learning
tree
4. All I needed was a friend to lend
a guiding hand
But you turned into a lover and
Mother what a lover, you wore me
out
5. All you did was wreck my bed
Busted flat in Baton Rouge, wait-
ing for a train
And I's feeling nearly as faded
as my jeans.
Bobby thumbed a diesel down just
before it rained,
It rode us all the way to New
Orleans.

SPORTING HIGHLIGHTS

POINT EACH

1. Who was the worst team in the
NHL last season (70/71)?
2. What two races from last year
were dropped from the Formula
1 circuit for
this season?
3. What first will be accomplished
at this year's Grey Cup held
in Vancouver?
4. In last year's NFL draft who
was the #1 pick? (Hint: QB
selected by Pittsburgh)
5. Who, to bring world attention
against apartheid, called for
South Africa to be expelled
from the International Lawn
Tennis Federation?

FILM TRIVIA

POINT EACH

1. In what movie does a character
say, "Mrs. Robinson, you're trying
to seduce me ... aren't
you?"
2. What character said, "I'm afraid.
I'm afraid, Dave. Dave, my
mind is going. I can feel it?"
3. Which Actor refused to accept an
Oscar, and stated that com-
petition between actors was
unfair and called it a "meat
parade?"
4. In what movie did Rod Steiger's
character state, "Never in-
terrupt your enemy while
he's making a mistake.
That's bad manners?"
5. In Willy Wonka and the Chocolate
Factory, "Candy is dandy, but
liquor is quicker," is from
what poem?
That's it for the first mathNEWSquiz ever.

You can drop off your submissions in

Cryptic

Backwards

6. Measure coat with desire (7)
7. Demand former routine (5)
9. Copy fool (4)
10. Acronym tip uses Dad's name (10)
11. Rare earth that will rue opium badly
(EUROPIUM backwards is MUIPORUE) (8)
13. Humble? Put myself in dean's place (6)
15. Bad feeling from that enemy (4)
17. Chatty, rowdy mixer (5)
18. Stewed goat in a wrap? (4)
19. Wasted around you nudes (6)
20. Arrangement is gain in stripes (8)
23. Organ hit veggie (6,3)
26. In this instead? (4)
27. Plant between (5)
28. Experience is less than half good (7)

Up

1. Broken hoop refund unexpected (7,3)
2. See 21 Up
3. Mission Impossible? very loud huff (4)
4. Joiners are crazy (8)
5. Rational, or not true (4)
6. Not Margaret to take down the tent (5)
8. Too old for excess (7)
12. Fit silver about 2.718... (5)
14. Decide: tipsy? a tad juiced? (10)
16. Chemical about 007 (7)
17. You file "B" (wrongly) with Float (8)
21. with 2 Up: Prior Mark shattered p l a t t e r
(6,6)
22. Local bond (5)
24. Prod sticks back (4)
25. Cross the river, Harrison (4)

Conventional

What makes this cryptic "retro?" You write the answers into the grid backwards. So, the Across answers are backwards and the Down answers go up. For instance, 11 Across, the truly ugly clue, "Rare earth that will rue opium badly," gives the answer EUROPIUM, which is written into the grid MUIPORUE. There. Don't say I never gave you anything.

Linda

In the spirit of retro reversal, the conventional is also designed with Backwards and Up clues. Enjoy the first grid word ever, and drop your submissions in the brand-spanking new, sparkling, ivory-white box out there on the third floor of the M&C building.

Darb

Backwards

6. Like a box
7. Current Ontario premier
9. Escape
10. Large-amplitude vibrations
11. New Robertson Davies book: Fifth ____
13. Groups of organized criminals
15. Celebrating 11 years of French independence
17. Film superstar Hayes
18. Ye ____ Inn
19. Up-coming movie: The ____ Connection
20. Gonzo author Hunter
23. Up-coming movie: ____ ____ Orange
26. Bambi
27. Polish river
28. Crime against country

Up

1. Official exploration
2. Prime Minister's first name
3. Untidiness
4. Causing a loss of strength
5. New math prof Davies
6. Formerly Pelew Island
8. Moon mission leader
12. One bad mutha ...
14. New invention: 8-inch ____ ____
16. From the dark continent
17. Japanese statistician
21. Good name for a glasses manufacturer
22. Lots of water
24. Gumbo spice
25. Sworn vow

In case of tie, answer:
Where will you be in 30 years?

So, What Just Happened Here?

It all started with a dangerous gift. To celebrate Petey McFlizak's convocation a couple weekends ago, Doc Brad gave him a flux capacitor, a groovy little device he invented, built out of a stainless-steel napkin dispenser. Petey brought his new gift to the *mathNEWS* Production Night with the intent of demonstrating it to the folks who showed up. Unfortunately, the flux capacitor worked a little too well.



Having set the flux capacitor to just over 30 years in the past and plugging it into one of the 'Soc computers to generate the 1.21 megabytes of RAM required to get it going, Petey plunged the entire *mathNEWS* staff into a temporal warp back to mid-June, 1971.



Young Doc Brad

In the hope of finding their way back to the future, the valiant troop tracked down Doc Brad, who was then a lowly grad student. They searched all through the M&C building in the hopes of finding him. Petey eventually tracked him down in a third floor washroom lying on the ground scribbling a picture onto a square of toilet paper. The young Doc was trying to hang a clock in the men's room so that he would stop being late for tutorials when he had fallen and hit his head on a toilet. Suddenly an idea came to him, he must draw a rectangle with three

lines in it! (The flux capacitor) He then noticed Petey, looking like he had just jumped ship or something.

Petey explained the fashionability of his life vest as well



as their situation to the young, but surprisingly old-looking, mathie:

(Doc paces around hallway after Petey explains the situation)
Doc: 1.21 Megabytes! (Grabs picture of Turing) Alan, how am I going to generate that kind of memory? It can't be done! Can it?
McFlizak: Look, Doc, all we need is a little supplementary storage ...

Doc: Oh, I'm sure in the year 2001 supplementary storage is available in every corner drugstore! But in 1971, it's a little hard to come by. Petey, I'm afraid you're stuck here.

McFlizak: Stuck here? Wait, I can't be stuck here! I got a life in 2001! I got a girl!

Doc: Is she pretty?

McFlizak: Well, I'm a math major. But check out what she wrote here Doc, I mean that says it all!

(Holds out "Bring back Red Room!" flyer with Java code on it)
Doc: Petey, I'm afraid the only way I can create 1.21 Megabytes of data storage is to network together your digital watch, an IBM 360/75, a /50, and a /44! Unfortunately, there's no way to know when or where we'll ever find such machines in the same place!
McFlizak: We know now.

(McFlizak indicates flyer, Doc grabs it)

Doc: This is it! According to the flyer all of these computers are in the Red Room of the M&C building! If we could somehow get into a tour ... establish some remote linkup between the IBMs and the flux capacitor ... it just might work! Next Saturday night we're sending you back to the future!

Simon's Story

Simon L'Avier was among the time-travellers. The trip was especially special for him because his parents were both undergrads at Waterloo during the early 70s. While searching for his folks to observe them as youths, Simon was invited to a skateboarding match with some Science majors.

While showing off his whacked skills that he would learn on the mean streets of Kitchener 20 years later, he took a wicked

EXPLANATION continued on page 20

Mathematics Instructor of the Year Award

Every term MathSoc takes nominations for the Mathematics Instructor of the Year Award. Then every Winter term an instructor is awarded the prize. It is now time to take in nominations for this award. The award recognizes the importance of presentation when instructing within the Mathematics Faculty. The award is open to only those instructors of full courses within the Mathematics Faculty.

So if you have a great prof or instructor that you feel has done an outstanding job then come down to the MathSoc Office (MC 3038) and fill out a nomination form. The nomination period runs from Tuesday, June 26th till Tuesday, July 10th. Alternately, you can email me during that period with your nomination.

Nadia V. Ursacki
Acting MathSoc VPA, S01
vpa@mathsoc.uwaterloo.ca

Luau

Luau baby! Sweet luau action. July 13th. It is true that it happens to be a Friday the thirteenth, but I figure that is good reason to come hang out at the bomber; do some limbo (note limbo is challenging especially if you are having trouble walking); play some pool (did I mention the pool is free); dance to some sweet sounds by our DJ Phat Albert. Bring all your friends to the luau and perhaps you will get a lei as a souvenir. (Did you know: Souvenir is derived from the french word for remember; hence a souvenir helps you remember if you're hung over in the morning.)

So a side note: today I tried to sell 173500 lei.

Dave

The Year of the Oddities

Number of memorable storms on the rise

The recent storm Allison hit the gulf states hard and caused damages that may cost upwards of \$1 billion. Scientists claim that there will be more "storms of the century" in the next 18 months than there were in the period of 1951-2000. Scientists are warning people to prepare for anything as the next "storm of the century" may hit any region within the next month. However, it is not all doom and gloom. Meteorologists state that the wave of storms of the century will subside by the end of 2002. After which we will return to the usual routine, where a storm of the century occurs only once every decade.

Maybe it's the Coke

If you have seen this year's Coke Card commercial, then you will probably notice that this year's version is very similar to last year's. A year has passed, yet the two guys still can't figure out how the gals get all the free stuff. Is the marketing department of Coca-Cola Corp. too lazy to think of a new ad or is it that the two guys have drunk too much Coke over the past year? Since I don't think either of them lives within an earshot of UW, we can only speculate.

Jason "the Screamer" Lau

Shaft Review

I pity the foo that messes with Shaft.

Mr. T

lookAHEAD

mathNEWS

June 29	Issue #4 pokes out of a time warp
July 9	Issue #5 Production Night 6:30 pm, MathSoc (MC 3038)
July 13	Issue #5 deemed unlucky

Math Faculty

June 29	Just another friday, with <i>mathNEWS</i>
---------	---

MathSoc

July 1	Canada Day at Columbia Lake
--------	-----------------------------

MGC

Soon	MGC Last night out
------	--------------------

MEF

June 29	Deadline for MEF proposals
---------	----------------------------

Co-op

You're in co-op?	Sucker
July 4	Pick up your Work Report ... sucker

Miscellaneous

July 9-14	Blood Bank Day, SLC
-----------	---------------------

Adopt a Programmer

Working Conditions "Appalling"

SAN FRANCISCO — A still relatively strong US dollar is encouraging many software companies to relocate their development operations to foreign nations, where working conditions are poorly controlled. Organizations like the WSF (World Software Foundation) are fighting this practice.

"It's appalling," says Linda Snoofus, spokesperson. "Canadian programmers sometimes work 10- or 12-hour days without a break. Often they lack the basic necessities that we all take for granted, like free cappuccino and Gatorade."

Not everyone agrees. ZYX Software has a sales office in the SF/Bay area, but all of the product development is done in Toronto. Its CTO, Mark Zefrum, doesn't see a problem. "Things cost less in Canada. If we were to pay them real money, it would be like giving the paper boy a \$100 tip ... it's just not done."

Others in the industry share similar views. "Its actually a lot of fun hiring for Canadian positions," said an anonymous recruiter for a large US corporation with offices near Vancouver. "I have to bite my tongue so I don't burst out laughing when it comes time to quote a salary. Those Canadians — they just accept it. I mean, \$800 CDN won't buy you SHOES here in the bay area."

The WSF calls for stricter controls and independent inspectors to see that Canadian hardware and software engineers get humane treatment.

The United Nations has so far remained uninvolved, but organizations like the WSF have been quick to implement charitable programs. For less than the cost of a venti chai double latte at Starbucks, donors can 'adopt' a Canadian software engineer, ensuring access to basic benefits like free health clubs, a laptop, and beer on Friday afternoons.

Linda Snoofus has personally sponsored three development managers and a test designer. "When I get their status reports at Christmas it always brings a smile to my face. Its a great feeling to know you're helping those in less fortunate nations."

Steve Hanov
mathNEWS Freelancer

mathNEWS editors demand respect

and actually lay down some rules

Dear Readers,

It has come to our attention that most of the production staff here at *mathNEWS* really don't give a rat's ass about what we (Bradley T Smith and Pete Love) think. They seem to believe that they are higher and mightier than us (except Laymond Rai, who for some reason idolizes us).

As a result, we (Bradley T Smith and Pete Love), have come up with a series of rules, and regulations for the other staff here at *mathNEWS* to follow. If you see one of the *mathNEWS*' productionists not following said rules, feel free to cuff them in the back of the head [*That's not a legally binding permission, they can still sue you for your STAT 231 mark if it is higher than their's, and most mathNEWS productionists fail that course — Larry the Lawyer*].

To start with, we (Bradley T Smith and Pete Love) have come up with some simple sayings, that should be replaced. Sayings that Bradley and Pete feel promote the lack of respect they receive as editors. Here are a list of sayings that are followed by appropriate replacements.

TRY SAYING: "Wow, Bradley and Pete are pulling off yet another amazing issue of *mathNEWS*."

INSTEAD OF: "Look at this crap! Bradley and Pete are sure running this paper into the ground!"

TRY SAYING: "Holy shit they're hot."

INSTEAD OF: "Pete and Bradley are some of the ugliest mathies I know."

TRY SAYING: "Wow, Bradley and Pete must work hard on their work term to afford a trip to Jamaica for the weekend."

INSTEAD OF: "Corrupt sons of bitches, Bradley and Pete are skimming money from *mathNEWS* to go to Jamaica again."

TRY SAYING: "Laymond's such an idiot!"

ISSN 0705—0410

mathNEWS is normally a fortnightly publication funded by and responsible to the undergraduate math students of the University of Waterloo, as represented by the Mathematics Society of the University of Waterloo, hereafter referred to as MathSoc. *mathNEWS* is editorially independent of MathSoc. Content is the responsibility of the *mathNEWS* editors; however, any opinions expressed herein are those of the authors and not necessarily those of MathSoc or *mathNEWS*. Current and back issues of *mathNEWS* are available electronically via the World Wide Web at <http://www.mathnews.uwaterloo.ca/>. Send your correspondence to: *mathNEWS*, MC3041, University of Waterloo, 200 University Ave. W., Waterloo, Ontario, Canada, N2L 3G1, or to userid math-news@student.math.uwaterloo.ca on the Internet.

Enchanted under the sea: Petey McFlizak and Doc Brad

Doc Brad: "Is that a track line on your arm Petey?"

Petey McFlizak: "Why yes it is, you got any heroin?"

Doc Brad: "No I don't! Drugs are bad!"

Petey McFlizak: "Exactly, that's why I don't do drugs. My track lines are from work."

Doc Brad: "Where do you work?"

Petey McFlizak: "King and Cedar, I sell heroin ..."

Doc Brad: "That's not good, you should be punished for that!"

Petey McFlizak: "Oh contraire, you're the one who is gonna get the ass whoopin'!"

INSTEAD OF: "Laymond Rai is such a stupid idiot! How the hell does he survive all his incompetent actions. I hope he doesn't breed..... Hey wait, that's my sister he's with! Get away from her, get the hell away ..."

TRY SAYING: "Yeah, I think that would make a great cover for *mathNEWS*."

INSTEAD OF: "You want *what* on the cover? Look you guys, I don't care what your sexual fantasies are, but there is no way I'm gonna be associated with *mathNEWS* if you put that on the cover ... is that a napkin dispenser? I didn't know it would fit in there?"

TRY SAYING: "That's too bad someone died in the CSC."

INSTEAD OF: "That explains the stench. I just thought it was Bradley and Pete's B.O."

TRY SAYING: "Sure thing, Bradley and Pete, I'll stay late and help you guys finish layout on Tuesday night."

INSTEAD OF: "Screw you guys, I'm going to Louie's, it's the only place I have a chance to pick up drunken people."

TRY SAYING: "Wow, *mathNEWS* is run by a bunch of smart, athletic, handsome, mathie men, I'm gonna bring out all my female friends in AHS!"

INSTEAD OF: "It's a lie girls! They are just as ugly as all the other mathies! Run, Run while you can... aaaahhhhhh!"

TRY SAYING: "Bradley, Pete, of course I would love to dance with two sexy guys like you."

INSTEAD OF: "I don't think you ready for this 'cause my body too bootylicious for ya, babe."

Editorial Staff
Bradley T Smith,
Pete Love



Respect your editor!

Snuggles Sez

It's like Simon Sez, but instead of doing everything Simon says, everyone ignores him completely (sounds like a fun game, or a boring lecture). Well, nobody responded to my "think of a funny reason I was invited to convocation," the actual answer is quite boring (it's because I'm a Senator). Well it's that time again, when I can't think of anything specific to write so I go to my little book to see what I found funny in the past while and see if I can't get a little inspiration (normally I'd walk around the MC or my house if I wanted to be inspired by funny things, but I'm in TO and I don't think my parents would appreciate me waking them up at 4 AM so they could 'inspire' me, in fact, that sounds downright dirty). "I'm not the computer guy, I just save lives." — Rob Robson (in response to a question about the CRT computer).

Daryl has a hat and t-shirt from a restaurant with their slogan, I find it funny, I find it extra funny that his parents bought him this shirt, I think they're trying to tell him something: "If it smells like fish ... Eat it!" Hey Daryl, I think your parents just got around the responsibility of having a certain special talk with you. At this point I figure most parents are content to let the Internet inform their children about the finer points of the birds and the bees. Hell, on the Internet you can probably get detailed photographs of birds screwing bees (which would require duct tape, otherwise the bees would explode).

I was thinking about the term Defragger, and do you want to know the first thing that popped into my mind? It's a little messed up. I was thinking about what a Defragger actually does (using the cool stuff I learned in OS) and I couldn't get this one picture out of my head. It was of Dee playing Frogger, yup, Deefrogger. I found this quite amusing. Go figure.

"I'm so a GIC girl in real life." — Karen Vervenne (my BUS 111 TA talking about how she wasn't used to investing in volatile stocks as she did for the Laurier stock market game). She was a pretty funny TA (not to mention the fact that she was damn cute). I have to say I am pleased with that course (does the fact that I got my marks back and I got an A+ in that course have anything to do with my happiness? You're bloody well right it does). Yup, I have officially received my first A+ (damn letter grades, I want to know what my mark was exactly, the range of 90-100 just doesn't cut it for a Mathie). As I think over the other courses I'm planning on taking, I think I just received my only A+, although I may end up picking up an additional Business course (being in Information Systems means I need 10 business credits, BUS credits qualifying of course).

A friend of mine (actually I consider him a brother, I've known him since I was 10) moved into a new place in downtown TO, he gives me a call one day and tells me that his two new roommates happen to be Waterloo Mathies who know me. That's a little spooky. There are entirely too many people who know me and I don't know them (ahh, who am I kidding, I love it). I figure after the upcoming frosh week, just about every Mathie still in school will know me (or know of me, well, all of them that participated in frosh week). That's a pretty cool feeling. So is hand lotion on the bottom of my feet, I'm very ticklish. (For that to make just a bit more sense, I've been putting hand lotion on the bottom of my feet cause they're dry).

Another friend of mine (actually, he's another brother-ish person, we were bad influences on each other as children, and I once hit him with my car, on purpose, but that's another story,

actually I think I wrote it in *mathNEWS* once, but I'll check and write it next issue if I haven't already) showed up at a party I was at. I hadn't seen him in years, it was strange. The last I had heard he had gone to Israel to a yeshiva (he went to be trained as a Rabbi, I once knew him to walk around claiming he was Jesus, in fact, he still tends to claim that one), this came as a complete shock to me because I knew him to be fairly atheistic if not anti-religious. His comments on the experience? His general arts courses at York are really easy now, he was taught how to answer the unanswerable questions, now you want him to write an essay on philosophy, child's play. Turns out he writes for an online student newspaper at York (www.paidbytheword.com). I went to check it out, it's fucked right up, don't get me wrong, I liked it, but it's messed. By comparison Little Liam's articles are extremely coherent and I don't have any run on sentences. You know what's funny, calling Big Liam Big Liam in a room where no one else knows Little Liam. It's funny to see people try to figure out why he's called Big Liam (if you know Little Liam and the fact that it's just a comparison, it makes perfect sense, but I think I boggled Feds council by calling him Big Liam).

Did you know that "Happy Birthday to You" is copyrighted? I found this on an information website: "Happy Birthday to You continues to bring in approximately 2 million dollars in licensing revenue each year, at least as of 1996 accounting, according to Warner Chappell and a Forbes magazine article." It was written in 1893 but isn't public domain. That's totally messed. The waterbed is public domain and was never patented because Robert Heinlein wrote about it in "A Stranger and A Strange Land" and declared it public domain. He could have patented it and made some money, but he didn't. I like Heinlein, I really want to read the Lazarus Long set of books, but somehow I've managed to elude them (I tend to read my father's books and he seems to have just about all of the Heinlein books that don't have Lazarus Long in them).

Well, my slinkies are tired so it's bed time. I still haven't found the "Straight from the Pink Files," but then again I still haven't finished unpacking (is anyone surprised?). I'm fairly sure I'll be in town next weekend (i.e. the days following this issue of *mathNEWS* coming out) so keep your eye out for me (poking your eye for me would be ill advised as I will merely point and laugh at you for proving PAD (people are dumb), a theory brought about due to battle.net Diablo 2 games).

selgunS

My middle name backwards seems to have a secret message that you should Sell Guns, go figure.

That crazy squirrel

Crazy squirrel came up and confronted me in this dark alley. Thankfully, I was strapped, so I pulled out my two, triple barrel Glocks, and fired at the little mofo. Needless to say, Waterloo has one less little troublesome squirrel to worry about... now if I can only pass stat 231.

Anti-Squirrel Man

A Page of *prof*QUOTES!

- “So, if you’re stranded on a deserted island with paper and a pencil, and you wanted to calculate $\sin(\sqrt{2})$, you could use that summation.”
 André, MATH 138
- “The biggest number I know is a gazillion.”
 André, MATH 138
- “I don’t know if you’ve used white-out before, but once you use it, you want to use it again. It sort of has a nifty odour.”
 André, MATH 136
- “If you want to insult someone, call them a nullity. Then run like crazy.”
 André, MATH 136
- “Slapping on a bunch of zeros at the end won’t change anything.”
 André, MATH 136
- “My next section will be titled ‘The Secret of the Little Goblin.’”
 Nica, MATH 136
- “The two-phase method consists of two phases ... phase one and phase two.”
 Cheung, C&O 350
- “Constants are constant. [Student raises hand] I cannot possibly imagine what your question is.”
 Vasiga, CS 240
- “I wished that I had a stamp that said ‘consider dance.’”
 Vasiga, CS 240
- [Points to an array on the board] “This is not a heap, this is not a heap. [in Arnold Schwarzenegger voice] It’s not a tumour.”
 Vasiga, CS 240
- “I bribed the Gypsy to give me the code for the crystal ball.”
 Vasiga, CS 241
- [Tosses a marker at the whiteboard] “Oh, he’s so violent, so strong and violent.”
 Vasiga, CS 241
- “Fortunately there is not pee on the stack.”
 Vasiga, CS 241
- “And you scream at your computer, ‘How can there be a duplicate variable name at line 1! There is nothing before line one!’”
 Vasiga, CS 241
- “When your siblings don’t take your dating advice and date a genetic mutant, it gives you a headache.”
 Vasiga, CS 241
- “Adam was given two arms two legs and something else.”
 Vasiga, CS 241
- “Gather your children and ask who’s been good, who’s been bad, and who’s been dating genetic mutants.”
 Vasiga, CS 241
- “I don’t want to dis Java more that it deserves ... I can’t believe I said that.”
 Vasiga, CS 241
- “You can use toilet paper [as a Turing Machine] ... an infinite loop could be messy.”
 Cheng, CS 360
- “That’s my toilet humour for the day. Now you know where the great mathematical ideas come from.”
 Cheng, CS 360
- “This happened a long time ago, before people were smart.”
 Cheng, CS 360
- “I work in the mornings and my wife works in the afternoons, so it is easy for me to avoid my wife.”
 Freeland, ACTSC 221
- “My lectures are 75 minutes long and most of you are tired by the end of them. Imagine what would happen if a lecture is 3 hours long. Even I will fall asleep.”
 Freeland, ACTSC 221
- “What is δ ? [pause] You don’t know, I don’t care ... Now we’re going to prove this, but you don’t know what δ is, that’s a shame.”
 Hardy, ACTSC 232
- “When you’re 111 years old, we deem you useless to society and kill you off.”
 Hardy, ACTSC 232
- “Euler said, ‘ $e^{i\pi}$ is equal to 1, therefore God exists.’”
 Sivaloganathan, MATH 138
- “Differentiating 100 times is nothing if you’re a mathematician, it’s a constant number.”
 Chan, CS 341
- Prof: “I’m leaving for two weeks.”
 Student: “Where are you going?”
 Prof: “I’m getting married. [Class cheers] Yeah, and you guys are worried about your midterms.”
 Pooley, CS 370
- “You all had to have good math marks in high school to get in here. [Class laughs nervously] What? It’s true! Why are you laughing? Dummies don’t get into Waterloo for Math. Maybe for like Arts or something.”
 Graham, CS 134
- “If I said that, then I should be shot.”
 Pretti, CS 246
- “You might want to do assignment 4 after a couple beers and the drag of your choice.”
 Pretti, CS 246
- “I like when you ask questions, that means I don’t have to teach.”
 Kolkiewicz, STAT 230
- “It’s not important what you think, it’s whether you can prove it.”
 Kolkiewicz, STAT 230
- “I go off on tangents then write down something wrong or

Tech Specs

Ways to Use your PDA Effectively

I finally sold out and bought a PDA.

I'm surprised how useful this little thing is. My Palm Vx serves as my new daily agenda, and on top of that, it also serves as my wireless web browser, notetaker, GameBoy, telephone book, and more. Only the imagination of Palm programmers limit the possibilities where my little Palm can go [*Really Raymond, we don't want to know where your little 'Palm' can go... — Pete Love*].

What I have found, however, is that this little thing is so versatile that many of its functions are so obscure that only the few elite have the ability to use its secret powers. The secret elite group of people have found numerous uses for their Palm that is beyond conventional thinking [*Maybe we should be happy no one every brings up their secret uses for their 'Palms' — Pete Love*].

Below is just a sampling of what I have found that is useful for the typical Mathie in UW.

Wireless gaming: It's not that hard to port a copy of Counter-Strike onto your Palm. All you have to do is to find a way to compress 400 megs of information into 4 megs or under. You'll have a high-speed infrared port for multiplayer capability. Instead of actually listening to the boring CS 134 lectures, you can enjoy the fun and excitement of CS during CS class.

Wireless Porn Distributor: The Avant-Go web browser can be used as a cached page viewer, so you can cache all those X-rated pictures into your palm for ultimate security and instant pleasure. Trade your pictures as a commodity in the Comfy Lounge for valuable items, such as pocket lint and empty coke bottles [*Really, don't even suggest bringing porn into the comfy... it already has enough things that should not be there — Pete Love*].

Geek Magnet: Need a find a lab partner quick? Go into the CS lab. Need to find a really smart lab partner that'll do all the work for you, walk around the MC with the Palm held out in front [*That's gross Raymond! — Pete Love*] of you and you'll be swarmed by geeks galore. They'll be so impressed with your hardware [*You call it your hardware, I call mine Xena... — Pete Love*] they'll beg to be your (lab) partner.

Date Finder: If you've accumulated a year's worth of JAVA code that was coded to ask a girl out in different ways, now

you can port it to your Palm, and finally put that code to good use. Simply run the program, shove the Palm in front of her face, and watch her reaction! (Disclaimer: *mathNEWS* is not responsible for damage done to your Handheld device if she decides to throw it out the window in storm of disgust and laughter. *mathNEWS* does not guarantee a positive reaction.)

"Love" Pager: Download this program and you'll find a true love with similar interests. All you have to do is input your interests into your Palm, and let your infrared port do the talking. As soon as a match is found on another handheld device, both Palms will beep [*don't you mean beat? — Pete Love*] uncontrollably, and the two of you will know that you're perfect for each other. Beware if you find your Palm beeping near the captain of the men's hockey team.

Little Black Book: If you're Pete Love, you're bound to have tons of phone numbers. Instead of writing them down in a physical black book that can be found, read, and be used against you if found by your girlfriend, why not use your Palm as your virtual black book and keep it under a password for secure access. That way, the only way she'll know who you're calling is if she knows your password, and there is no way she'll know your password is her phone number [*Actually, I just use the walls in my apartment. I just never let my girlfriend over... I tell all the other girls it's my room mates. That Neville kid... Speaking of Neville, if you are an attractive girl over six feet tall, email mathNEWS at mathnews@student.math.uwaterloo.ca for a chance to get a date with Neville. — Pete Love*].

Download Ho! Make use of your handheld device to the fullest of its capacity. Palm's aren't just for keeping track of daily tasks now, it can also be used by pedophiles, horny bastards, and guys without dates! [*Uh, actually, I think every guy uses his 'Palm' — Pete Love*] What an invention! You see, those hours you spend writing JAVA code to ask that girl out can actually be useful/useless now!

Raymond Lai
Technology Columnist
Never an Editor

Faculty Told to Increase Drop Out Rate

MATH 135 "Not Good Enough"

In an effort to deal with the impending increase in frosh, faculties are being encouraged to fail more students.

"The way the system is structured now we get funding based on the number of new students we admit," said a guy off the street. "But we don't have the staff or infrastructure to support that many students in total. The obvious solution is to increase our drop out rate to 100%."

Programs are being implemented to make life more difficult for first year students in an effort to get them to leave. "MATH 135 was a pilot project and it is very successful. But we are asking for more dramatic results," remarked my hair stylist. The problem is growing more serious, as Ontario's 'double cohort' of frosh will be arriving in 2002.

"It's the little things that make a big difference," commented the scary old guy who lives across the road. "First of all, the 'comfy lounge' is going to be called the 'Fetid rotten cesspit' lounge — we think it's more accurate anyway."

At the university's request, this fall's SLC poster sale will feature more demotivational slogans, such as, "It's all uphill from here," accompanied by images of treacherous mountain paths. The course drop deadline will be inserted in bold type.

Although no course material will be changing, profs are encouraged to talk about their current research interests without being restricted by a course outline. "Ideally, what was taught in class and what's on the exams should be completely different," said a local stripper. As an added measure, white chalk is being pulled in favour of charcoal grey.

Even with the proposed changes, the guy off the street doesn't foresee a problem attracting new students. "With all the money we save we can offer huge entrance scholarships — and the best part is they will never be collected."

Steve Hanov
mathNEWS Contractor

mathNEWSquiz 2001*Week off for SquizMaster*

With the publishing of that issue 0 *mathNEWS*, we get to take a little vacation from writing Squizzes in the present, which means the only matter to deal with is the solutions to the previous Squiz. For those of you who are dying to find out, here you go:

Songs: 1. Lynard Skynyrd, *Sweet Home Alabama*, 2. Elton John, *Tiny Dancer*, 3. Chantal Kreviazuk, *Far Away*, 4. Aerosmith, *Walk this Way*, 5. Bruce Springsteen, *Dancing in the Dark*;

Simpsons: 1. Kang, Kodos, and Serak the Preparer, 2. August 19, 1989, 3. KL5, 4. \$847.63 (or NRA4EVR), 5. Jay; **Car Racing:** 1. Jeff Gordon, 2. Rocket fuel, 3. Faster car behind you, let him by, 4. Mont-Tremblant and Mosport Park, 5. Dale Earnhardt (\$41,639,662); **Automotive Capitalism:** 1. Ford, 2. General Motors, 3. Daimler-Chrysler, 4. General Motors, 5. Volkswagen.

As for submitters, I was worried when Liam Dorey and Mission Bananarama tied with 23 points each until I check the email and saw that Jason Smulevitch and Jessica Hadden (sneakers) had scored a most excellent 26 points on the Squiz. Congratulations, and your prize will be in the MathSoc office ... with your prize from two issues ago I believe. Yup, it's still in there.

So, no current Squiz, go do the 1971 one and we'll give you prizes. Sounds fair, so long, and don't forget, expect to see a new location for the BLACK BOX outside the MathSoc office any day now.

Bradley Thrush Smith

mastHEAD*Got back just in time ... barely*

Well, we only had five people show up for production night, but we made the best of it. We worked hard on this issue, and so, we ended up going to Front Row McGuinness for din-din. Over half (read 3) of our production staff had steak, with mash potatoes, and instead of mushrooms, we got bacon :) Yum.

Brad interjects: The funny thing about having 5 people at Production Night, is that this issue is the longest of the term ... what's up with that? Oh ya, it was all those people who very helpfully wrote articles in the past giving us a head start on the issue so that I could spend Tuesday in Toronto for my brother's grad. Thanks to all of them, and congratulations to Ken, who will be joining us at UW in September — but not as a Mathie, he'll be in Arts, so I'm going to have to spend a lot of time hanging out with him and his friends this fall.

So, looking into the future, we tried to figure out, what will happen to *mathNEWS* in the future, and so we asked around. Here were the answers: Waitress at Front Row (Tanya) "A bunch of losers, trying to get beer and bacon for dessert", Greg Taylor "A new, bigger office", Jason Lau "Not enough to merit mention from a Toronto Newspaper columnist", Kenny Chung "Bought out by Conrad Black", and Laymond Rai "Me, as an editor".

Bradley T Smith "We'll either be the best publication on campus, or the longest-running."

Peter Love "5 hot babes, to walk in on a production night, and take us all home ... oh, what the hell, just one, we'll share."

Holy more profQUOTES Batman!

stupid or both."

Wagner, MATH 239

"That's what happens when I talk and write without thinking."

Wagner, MATH 239

"So I'm going to pretend that this is the correct answer."

Wagner, MATH 239

"It looks like some idiot hit the wrong key or something ... wait a minute, I was teaching that term!"

Irving, MATH 239

"You will look back and say, 'MATH 237 was the best 3 years of my life.'"

Collins, MATH 237

"You and I will get along fine, as soon as you learn to worship me."

Collins, MATH 237

"OK! Who's been playing with the paper napkin dispenser in class again? This isn't the type of thing you should do in public, alright?"

Love, PPD 243

"See, anyone can do it, even a politician."

Collins, MATH 237

"See, anyone can do it, even a mathematician."

Love, PPD 243

"We could, for a change, do some mathematics."

Collins, MATH 237

"And then you integrate ... do I hear groans?"

Balka, STAT 230

"Okay guys, and by guys I don't mean just males, females can be guys nowadays ... I guess."

Hoffman, PMATH 330

"Holy smokes, you do not want the Ayatollah as your book reviewer."

Kreller, ENGL 460C

"That sounds like a bad lé."

Kroetsch, MUSIC 230

[Talking about PET test used to examine the brain] "It's an ethical test so it can be performed on humans. It's also fairly non-evasive. My wife had one done and she seems fine."

Eliasmith, Phil 256

[Explaining that he had an MRI done on himself] "It was done at the University I was working at, so the cool thing was they gave me all the raw data. So now I can post this VRML model of my right hemisphere on the web. I have a big brain though, the file is like 6 megs!"

Eliasmith, Phil 256

EXPLANATION continued from page 13

Simon, understanding the laws of time travel, was petrified of vanishing despite the mysterious lack of photos of him, and went to Petey McFlizak and Doc Brad the Grad Student for advice. They discussed his problem on the way to the fourth-floor EMS library to research how to return the staff to 2001.

Doc: The only way we are going to get those two to successfully mate is if they are alone together. We've got to get his father and mother to interact. Some sort of social ...

McFlizak: You mean like a date?

Doc: Right.

McFlizak: Well, what kind of date? I don't know. What do kids do in the seventies?

(Doc notices a poster on the wall by a sign for the library)



Doc: Look! There's a rhythmic ceremonial ritual coming up!
 McFlizak: Of course, the Disco Special! Simon said they're supposed to go to this. That's where they kiss for the first time. But he's in a coma ...

Doc: Perhaps we could get some Florence Nightingale Syndrome action going on with her?

McFlizak: No, she's too smart for that.

Doc: Then there's only one thing Simon can do to save himself.

And so Simon tracked down his mother and took her to the Disco Special. They kissed, fell in love (she was a pretty MILF), and would eventually have a child named Simon Oedipus L'Avier Junior, who would be destined to one day travel back in time and replace his father.

GRID SOLUTION

T	B	D	S	E	D	R	O	J	W														
S	O	R	O	N	T	O	R	A	P	U	G	H	R	T									
	O	A	N	G	R	U	Y	E	M		V	I											
A	I	B	S	T	O	E	L	R	U	C	T	O	E	M	N	P	E	I	P	D	E		
				B	A		D	A		R	E		E	E		L							
P	A	Z	U	R	O	R	L	I	E	T	S	E		B	T	R	R	E	I	A	D		
	L																						
P	S	L	C	A	E	I	N	E		G	T	O	H	A	O	L	U	I	G	E	H	S	T
		U	C		N	E			A		N	O		A	N								
U	S	H	E	O	S	P		N	D	O	T	W	A	N	B	T	L	O	W	E	S	N	
		I	I		I	H		O	A		M		O		R		A		G	I			
U	N	D	S	E	I	R	G	E	R	A	D	T	U	I	A	O	T	N	E				
N	I		T	W		E		T	N		T	E		N	H								

GRID SOLUTION

So why an issue 0?

Good question. Being the curious staff that we are, we wanted to find out the state of *mathNEWS* (which started in January of 1973). There had already been some discussion about a Math student publication, but there was a little law from the FEDS that was holding it back: No student may take the post of editor for a UW publication without first having been its editor-in-training.

This nonsensical rule was obviously from the Chevron (pre-impotent school paper), in an effort to monopolize the on-campus media. Sworn to prove the Chevron foolish, we took upon the task of training *mathNEWS* editors. Then we saw who was foolish.

I never want to see Letrset again. I couldn't stand making the titles, which is why I gave in to hand-drawn ones near the end. Knives, for layout, whatever! And shouldn't making things line up be easier? We recommended that the first staff wait until an easier system, like Honeywell, appeared before trying do something as foolish as laying out *mathNEWS* at 5:30 am again.

But it got done. Issue 0 was brought into creation, the *mathNEWS* staff snuck into the Red Room under the guise of a tour, hotwired the necessary computers using an 8-inch floppy disk, and generated the 1.21 megabytes which sent us rather undramatically home. Then, later that evening we found all these boxes of issue 0 at the back of the *mathNEWS* office, so decided to show off the fruits of our labour 30 years ago, so decided to show off the fruits of our labour 30 years ago. It also saved writing an extra Squiz and Grid. Hope you enjoy it more than we did.

Petey McFlizak as Doc Brad
 Doc Brad as Petey McFlizak
 and thanks to Greg Taylor, the quote-machine

gridCOMMENTS 2001

What a good day to be a grid employee. I come to work with my metal lunchbox and hardhat as usual, and what are there but 7 submissions to the grid! It's so fabulous to see all these folks writing in, even clever folks with incomplete solutions hoping the others have made enough errors. Excellent.

Firstly the cryptic with it's perfect submissions from Mistry CS, Marshall, and the double-team of Glyn Mape and Paul Ot-taway. Using the *gridQUESTION* in combination with random number generators as a tie-breaker, it goes to Mistry CS who are trying to find out if the grid is fixed over Marshall who is planning to steal all the *mathNEWS*s and continue winning gridwords by default. Glyn and Paul didn't have an answer, but that's okay, Mistry CS won in the random numbers anyway.

Secondly is the conventional, which saw the remaining four submitters and two different spellings of dryer / drier (both were acceptable). So, Liam got most of them right, in fact the ones he missed are the blank ones. Marshall, Mission Bananarama ("It's all in the name. I can tell you it has something to do with giant 'laser' ..."), and a triple-team of Glyn, Paul, joining forces with Lori Bridgeford all completed the grid. And the winning team is Glyn, Paul, and Lori, without a grid answer. Cool.

So the winners can pick up their prizes from the MathSoc office, and next time, submissions can hopefully be dropped off in the **BLACK BOX** *outside* the MathSoc office — that's right, the *mathNEWS* **BLACK BOX** is going to be available 24 hours a day again! No grid this week, go do the 30 year-old one, we'll give you prizes anyway.

Bradley Tired Smith