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## WELCOME ONE, WELCOME ALL!

Howdy fellow Mass Cuban's, it's your friendly neighbourhood editor here. The winter chill has descended, the mid-sems are well and truly flowing and everyone's just a wee bit stressed out at the moment. So sit back and enjoy the inaugural Mass<sup>3</sup> newsletter for 2015 and soak up all the sciency goodness.



## MASS<sup>3</sup> WEBSITE AND FACEBOOK

As always, don't forget about the MASS<sup>3</sup> website, where you can find club information and news, contact details and most importantly an archive of all the newsletters from the past few years.

URL: <http://masscubed.com>

If you haven't already, make sure you join our Facebook page, where you can get the latest club news as well as share and discuss ideas or internet links.

## COMMON ROOM REFURBISHMENT

*The mecca of our university existence - the Mass<sup>3</sup> common room - has been refurbished over the long summer break. If you haven't already, drop by and have a look around!*

- *Kitchen revamp*  
- the kitchenette area is now separated from the rest of the room. A nice side-effect is a proper space for lab coats and general storage.



- *New 'study' section, upgraded computers and easier designated access to the white-board nearby*



- *General re-design of the layout, chairs, tables, white-boards, walls and floor; change, hooray!*



## TRIVIA NIGHT RECAP

Once again, MASS^3 hosted the clubs annual trivia night, filled with hilarity, random facts and the obligatory toilet paper decoration.

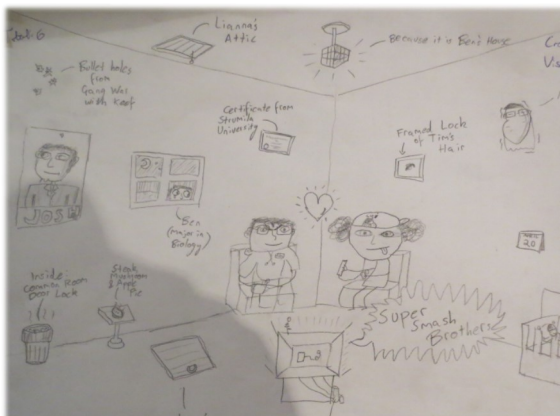
This years theme was 'Alternate worlds, alternate timelines', a tribute to the recent passing of celebrated author Terry Prachet but which also encompassed anything from fantasy universes or parallel universes/timelines.

The honours for this event went to the seasoned trivia night veterans the 'Tangetleman'. The Wooden Spoon award went to the 'Bottoms Up' may we all give our thanks for JAFFY teams.





## TRIVIA NIGHT RECAP



# QUOTES

## *Quotable quotes—overheard in the common room*

“No, I’m not giving you an enema”

“I love balls!”

“There’s a surprising amount of hair in this place”

“Spank my arse and call me Sally”

“They last like 20 minutes, I know, I’ve watched them”

“Why are your tentacles everywhere?”

“I can’t get rid of smelly butt!”

“I don’t even like science!”

“OMG this feels like Mum.”

“Are you guys saying I can’t own sentient things?”

“Jut don’t sit beside or behind me, falafels make me fart”

“Nicholas Cage, the Comic Sans of acting”

“Aaah a long black, you know how I like it”

“My childhood email, bigbum24@hotmail.com”

## UPCOMING EVENTS

### Movie Night

It's getting towards the pointy end of semester and the stench of exams is just around the corner, so what better way to relax and forget about all your responsibilities than a good, old-fashioned movie night? Come along for the free food, (pizza) the brilliant film (at this point TBD) or just to socialize with your fellow cubians.

**WHEN:** Wednesday May 6, 6:30PM

**WHERE:** Campus Centre Cinema

### Study night

Having trouble cramming, finishing that pesky assignment or just generally getting a little concerned with uni work? We've got the perfect remedy for you, do it with someone else! They say the best way to achieve a goal is teamwork and university is no exception—well apart from the whole plagiarism deal—so why not come tease your fellow cubians brains? Use older students expertise or just use the time to finally play academic catch up, the possibilities are limitless!

**WHEN:** Tuesday May 12, 5:00PM

**WHERE:** Common Room

### Science snippets

Possibly the most interesting yet under-attended events hosted by Monash, the Science Snippets series involves a medley of current research scientists explaining and discussing their individual research fields. The next event is scheduled for early May with only the broad topics released at this point. There's also free pizza, so there's that.

Speakers:

- Kavan—Physics
- Chris Thompson—Chemistry
- Matt Hall—Biology

**WHEN:** Wednesday May 6, 1-2PM

**WHERE:** Green Futures Foyer

# RIDDLES

## In the dark

In the basement there are 3 light switches in the "off position." Each switch controls one of three light bulbs on the floor above. You may turn on any of the switches, but you may only go up stairs once to see which light(s) were affected. How can you determine which switch controls each particular light bulb?

## Linguistic gymnastics

What do these words have in common: age, blame, curb, dance, evidence, fence, gleam, harm, interest, jam, kiss, latch, motion, nest, order, part, quiz, rest, signal, trust, use, view, win, x-ray, yield and zone?

## Adam and Eve

Two archaeologists enter a cave. They stumble upon a man and a woman who are both naked, frozen in ice. One archaeologist says to the other, "That's Adam and Eve." He was correct. How did he know?

## ANSWERS FOR PREVIOUS EDITION

1— The maths major plays Bioshock.

2—Q1: Ask god B, "If I asked you 'Is A Random?', would you say ja?". If B answers ja, either B is Random (and is answering randomly), or B is not Random and the answer indicates that A is indeed Random. Either way, C is not Random. If B answers da, either B is Random (and is answering randomly), or B is not Random and the answer indicates that A is not Random. Either way, you know the identity of a god who is not Random.

Q2: Go to the god who was identified as not being Random by the previous question (either A or C), and ask him: "If I asked you 'Are you False?', would you say ja?". Since he is not Random, an answer of da indicates that he is True and an answer of ja indicates that he is False.

Q3: Ask the same god the question: "If I asked you 'Is B Random?', would you say ja?". If the answer is ja, B is Random; if the answer is da, the god you have not yet spoken

to is Random. The remaining god can be identified by elimination.

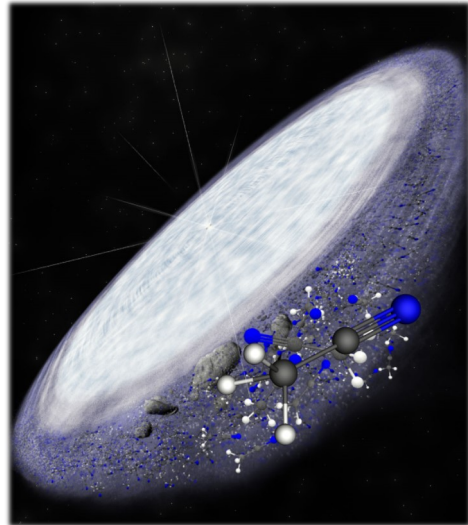
3—Number

4 – The letter 'm'

5 – Only allow one prisoner to turn the light bulb off and all of the others turn it on if they have never turned it on before. If they have turned it on before they do nothing. The prisoner that can turn it off then knows they have all been there and saves them all when he has turned it off 99 times.

# THIS MONTH IN SCIENCE

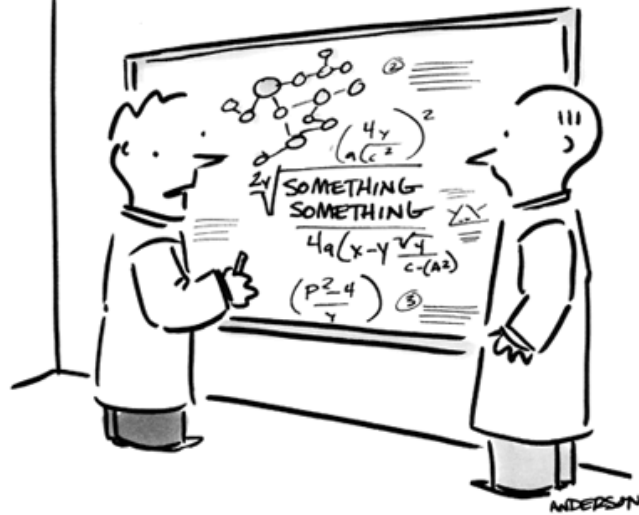
- Astronomers have—for the first time—detected the presence of complex organic molecules in a protoplanetary disc, surrounding a young star.
- An incredibly rare phenomena has been discovered where a child can develop an anaphylactic allergy response after receiving a certain type of blood transfusion.
- Genome analysis of the endangered Mountain Gorilla has revealed that despite significant inbreeding, the threatened species has removed the majority of harmful mutations and has successfully adapted to their new, recently destroyed habitat.
- 'Little foot' - a nearly complete skeleton of Australopithecus discovered nearly 21 years ago, has been measured to be approximately 3.67 million years old. Using a new form of radioactive dating, stone tools found near the skeleton were dated as being 2.18 million years old.
- The largest contiguous map of black holes in the cosmos has just been released. Using the one of the world's most powerful camera's, the level of detail achieved is unprecedented and provides new areas of exploration in Black hole study.



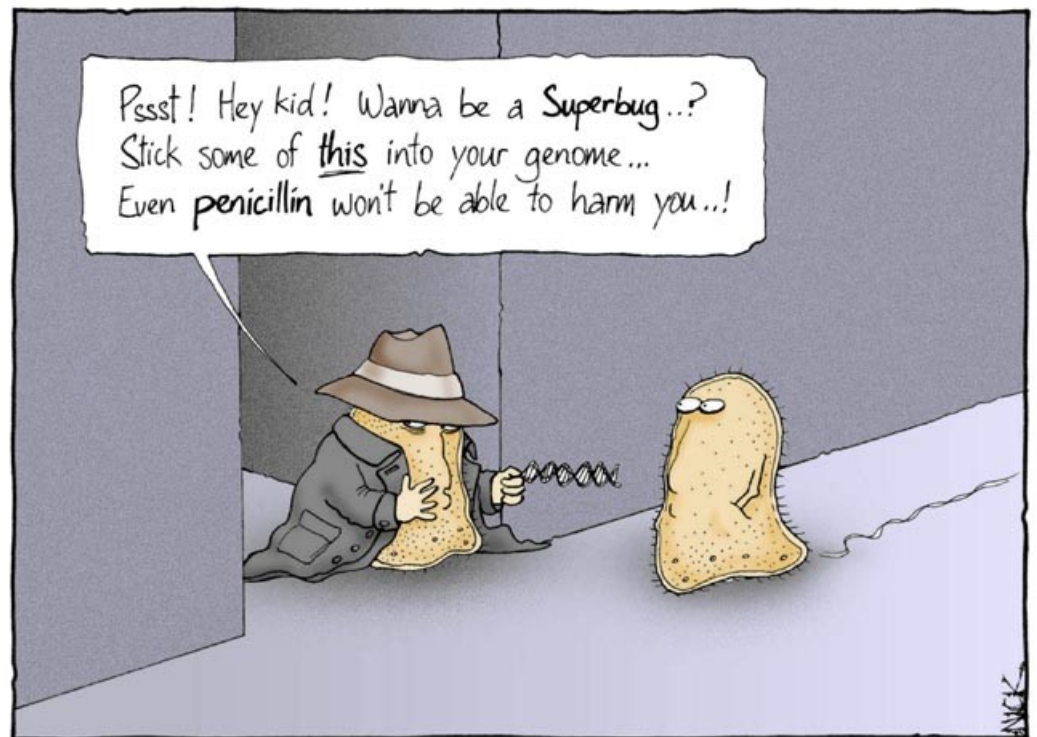


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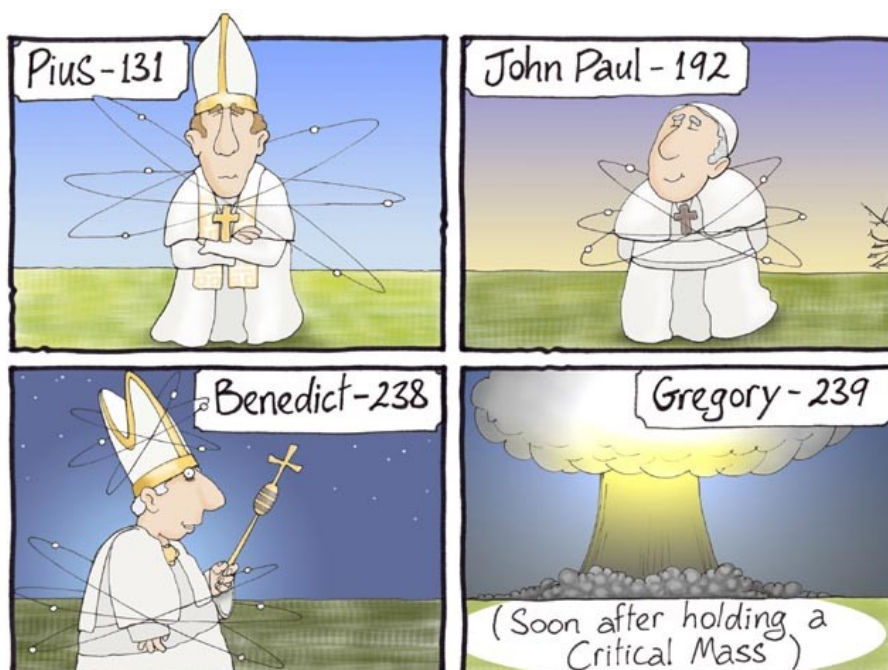
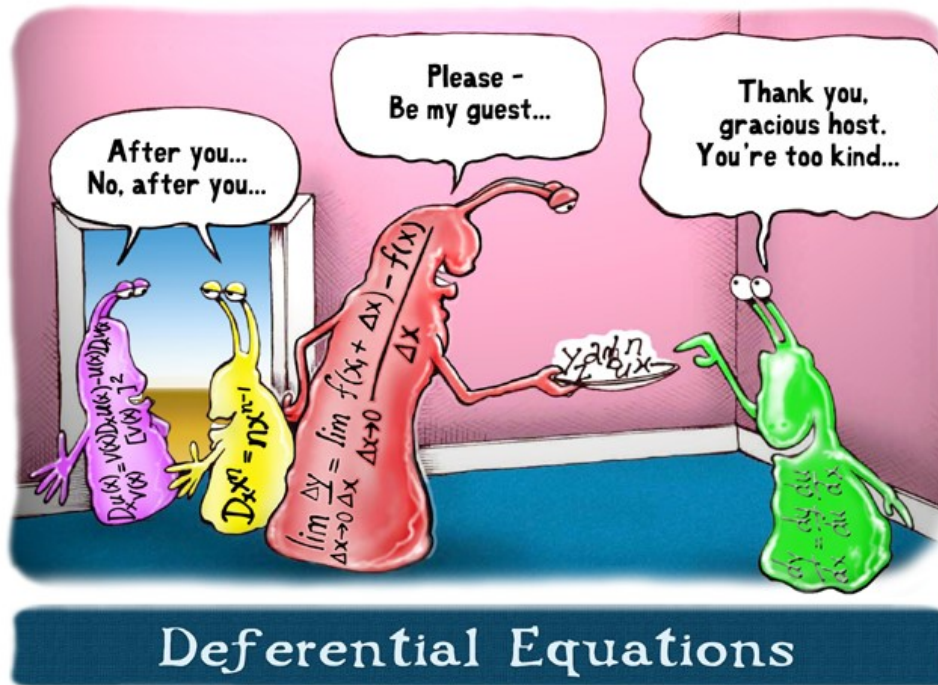
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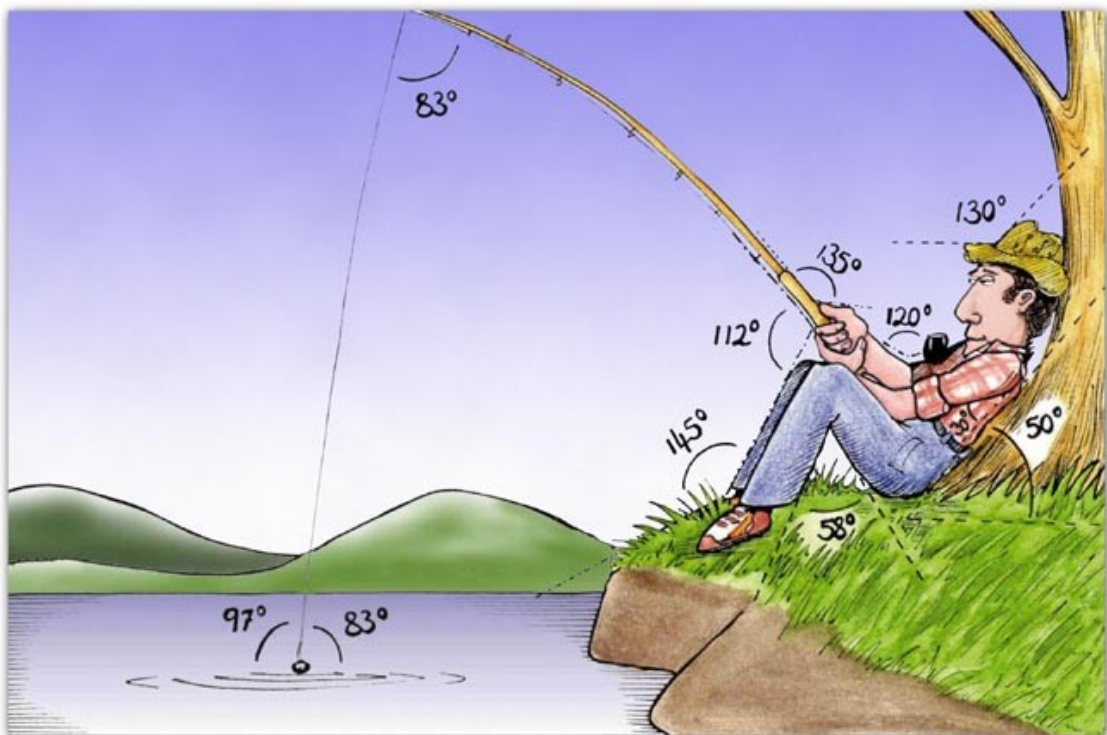
It was on a short-cut through the hospital kitchens that Albert was first approached by a member of the Antibiotic Resistance.







*"Okay—who put my lunch through the mass spectrometer..?"*



Angling

If you have any material, suggestions or ideas for next newsletter, or any queries, complaints, or advice for the editor:

Send me an email at: [jkgra3@student.monash.edu](mailto:jkgra3@student.monash.edu)

