

Funded by the UNION, PHYSOC & the SRC...

The **Jeremy** *Truth*

AUSTRALIA'S NUMBER ONE TABLOID SCIENTIFIC JOURNAL - YOUR PAPER!

Jeremy Vol 10, No. 1

Free!

GIANT BANANA THREATENS CITY

artist's
impression



Acute ape shortage

INSIDE:

ELVIS FINDS NAZI GOLD IN LOCH NESS

-Amazing Exclusive!! FULL story inside

PLUS: ALL NEW QUOTES COMPETITION

DEAD PHYSICISTS X-WORD - Prizes galore!

DUD THEORIES TO CHANGE THE WORLD!

SCATHING EDITORIAL

INCISIVE PRESIDENT'S REPORT

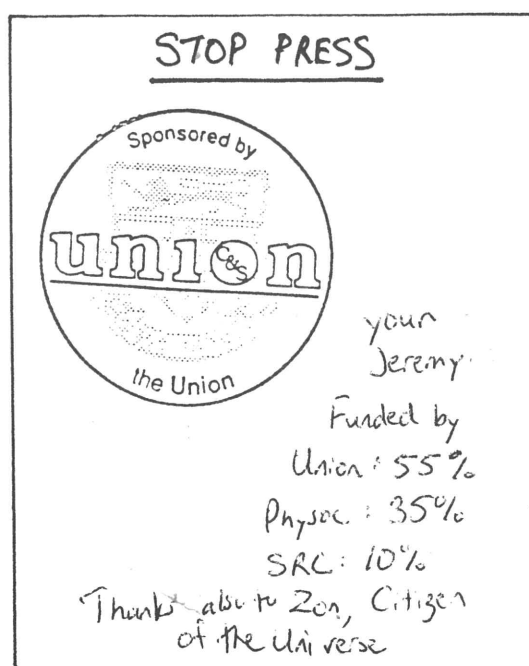
PHYSICS STUDENT STAGES ΣUMS COUP!

...and much much more!

Naughty Newton bears all on page 17!!

In Your Jeremy Truth today:

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The infamous "Jeremy Letters"

The 1st sign of madness

Dear Jeremy,

We are finding it extremely difficult to continue in our capacity as editors of a popular science society journal. No one contributes and we have to write all the stories ourselves, even the letters.

We think this is deplorable.

Yours,

Anon., Anon., & Anon.

[Yes, we know how you feel - Eds]

Ebony Fluid of Life

Dear Jeremy,

Is there a Coke machine in the Physics building?

Yours,

Thirsty.

[We're glad you asked us that question. We have just what you're looking for. See the ad

elsewhere in the issue. - Eds]

Sausages

Dear Jeremy,

Physics parties are a lot of fun and a great place to meet new people. Besides, they are great value. All you can eat/drink for \$3!!!.

Yours,

The Sausage King

Ritual Worship

Dear Jeremy,

We love your journal. It is so witty and full of interesting articles. Your writers must be so very talented. They should be paid for this, in **CASH MONEY**.

I can't wait for the next issue.

Name withheld

[Thank you very much....-EP]

We need more like this one...

Dear Jeremy,

✓ We think your journal is a scurrilous rag which I wouldn't used to beat the dog with (but maybe the kids...) Besides, your editors stink and aren't funny, and I hate the letters they write to themselves.

Pissed off,

Arts IX.

Are you Zon?

Dear Jeremy,

Do you feel like a real loser? Unable to gain wealth, excitement and romantic love?

You need ZON POWER.

Write to Zon Power, at Jeremy letterboxes, for more info.

Sincerely,

Zon

Citizen of the Universe

HARD HITTING EDITORIAL

Greetings, phellow physiscists! and welcome to the first edition of Jeremy for 1994.

Rag

We have noticed that this journal has a maximum circulation of around 800 readers, and so in this issue we have done what any struggling rag would do in our situation - gone tabloid!

Hamsters

This explains the cheap, attention-getting headlines which have been littering the walls of the physics building over the last few weeks, but we don't feel the need to make any excuses for this because it increases popular awareness that we exist, and also because inventing silly headlines is fun so we are accountable to no one NO ONE HAHHAHAHA YES YES THE POWER the POWER SOON WE WILL CONTROL the WORLD AND ALL YOUR HAMSTERS WILL BE OURS!!!! HAHHAHAHAHA (demonic laughter).

Poking

er... hmmm... well anyway in this issue you will find stories to amaze and astound and hopefully not too much which is uninteresting to read or just plain boring. you may even find something which is more interesting than poking fun at creationists, something which we intend to do a lot of over the next year.

Issue

On behalf of our editing team, I suppose now I'm expected to go down on my knees and BEG for contributions for the coming issues, just like in every single editorial over the last ten years. Well, I won't! I don't care if no one sends anything in for us to print! We've got plenty of stuff already thank you very much and if you want to see a journal full of blank pages (which we are quite prepared to publish) that's your business and don't

"Too long have I dwelt upon these planes of abstraction ...give me a beer."

come crying to us bored and lonely and having to take lecture notes rather than patriotically reading the latest exciting issue of Jeremy.

Bribe

So, instead of begging you for contributions, we're going to *bribe* you. I mean it, we have CASH MONEY. The SRC has allocated us \$10 an issue for "miscellaneous" expenses. I'm not going to say too much more about that, but a nudge is as good as a wink to a blind bat and if you don't think \$10 is very much we are willing to go much further.

Bent

At any rate, anything you can think of which has a

slightly physical bent we will gladly print, so long as there are not too many rude words in it. And don't be put off by the tone of this editorial either, we'll publish serious articles and letters too. Moreover, the [INSERT SPONSOR HERE] Quotes competition offers a range of prizes (we haven't quite worked out what they're going to be yet, but don't worry) so if your lecturer happens to say something really stupid scribble it down and pop it into one of the proverbial pigeon holes. Also contributions are welcome to the Physics Forum section, the section of this paper which is vaguely serious and where we actually talk about physics.

Jeremy

We hope that this issue of Jeremy doesn't cause you too much pain and suffering as we PLUNGE INTO THE PIT and drag things out of the slimy muck which probably should have been left well enough alone. Bearing this in mind, the editors disclaim all responsibility for what follows unless you like it and think it is really good, in which case we graciously acknowledge your adoration.

Chris, Steve and Kerwyn.



The serious page...

This issue, it's the incisive Physoc PRESIDENTS' REPORT

Emma, the 1993 President of Physoc, gives her valedictory address.

Welcome back to Physics for another year, and to those of you here for the first time - good luck and have fun. Physoc is running evening parties and bar-be-ques to dull the slings and arrows of outrageous assignments [*What, we thought copying was meant to do that! - Ed*]. We produce this fabulous tabloid - thank you to Kerwyn and Steve - Just one more reason to enter the physics building. [*There is no excuse for entering this building!*] The Jeremy T-shirt allows you to make the fashion statement of the year.

University is a pretty big place, and societies like Physoc give you a chance to meet other people with who [*whom!!!*] you have something in common - an almost universal fear of physics exams [*What????!!*].

In the first Jeremy of the year, there is my last ever President's Report. I spent too much time last year inhaling chemicals in Chemistry II [*Ha ha ha ha ha!*], and the resulting damage made me decide to study Chemistry for the rest of my natural (and unnatural) life. Good luck to everyone I met as President, I'll always remember

you (and the Physoc party punch) fondly.

So long, farewell, etc.

Emma

"Tune into Sanity FM ... catch a cab back to real street." It has been real, guys.

[And, after that last comment, maybe it's best that Emma won't write any more reports.

But, we, your friendly editors, have one more thing to add: HA HA, MATT. YOU THOUGHT WE COULDN'T DO IT. YOU WERE WRONG. HA HA]

And from the wannabe...

Matt Schmuck in 3rd year is angling to be a physoc heavy. He claims to have "factional support" for getting elected so we, your beloved editors, have decided to step on as few toes as possible and print his welcome speech:

"Welcome to physics 1994... an uninspiring start to any speech but an appropriate one nevertheless. To all those new to our ranks, may we extend our arms in greeting. To those new to university life, we hope you are finding it a good life to lead.

"Most importantly, welcome to Jeremy.

"Jeremy is the mouthpiece of the university of Sydney Physics

Society, more affectionately known as Physoc. As well as this journal, physoc is responsible for parties (which occur at regular intervals) and often amusing talks on physics-related matters (which don't). The parties give students a chance to mingle socially with those higher up the evolutionary scale, quite a shock after the imposed "us and them" mentality of school. The (parties not the academics) vast quantities of cider and beer as well as blackened sausages at reasonable rates. [*Obviously clear communication is not a eligibility-requirement for becoming Physoc president -Eds*] (To those interested, the first party was a great success, and virtually funded this issue of Jeremy, not to detract from the brilliant initiative shown by the editors in getting blood from stones).

"Those who joined physoc (Which may be done at any of our gatherings) receive a significant discount off the entry price, so if you don't mind spending a wednesday afternoon cholesteroled and bleary eyed, join the ranks of physoc, and reap the benefits we have to offer."

Matt Sheumack

Physoc (almost probable) President 1994.

[After that, if you still want matt as prez, come to the AGM to vote for him.]

Jeremy **TRUTH EXCLUSIVE!!**

ELVIS finds NAZI GOLD in LOCH NESS

A 32 year old unemployed man, today revealed that he had been led to a large stash of gold, by the ghost of Elvis, whilst on holidays in Scotland. It had been left he claimed, by the Nazi's to assist there agents working in England during the war.

Gyrating

This remarkable story began early this year, when Ned O'Malley was holidaying in Scotland. Ned had been on a pleasant walk along the foreshores of the famous Loch Ness with his fiancée, when he was taken by surprise, by a pale shadowy figure, waving his arms and wildly gyrating his pelvis.

Bugged

"I was enjoying a walk, around the edge of the Loch when suddenly I noticed a shadowy figure apparently waving at me, I passed the Whisky to Jan my Fiancée, and followed the shapes up the hill. It was then I realised just who I was following, I began giving chase, until I was bugged.

Aliens

"Fortunately for me he stopped and stood side on to me holding his guitar in one hand and holding the other above his head, pointing to wards the sky. At first I jumped to the obvious conclusion that he was signalling something to me about aliens, but I was later to find that this was wrong. "

Swastika

It was then I noticed, the large pile of gold, shimmering below the waters

surface in the moonlight. I gasped in amazement, at the literally hundreds of ingots, each stamped with a delicately carved swastika. I looked back at the shimmering figure who said "Thank you very much", and faded away.

Stolen

I began to walk back to Jan, when I was attacked by a group of Neo-Nazi skin-heads who had obviously been waiting for this event. When I awoke, I went back to the spot to discover that the gold was gone, stolen!

Mysterious

I returned home shattered, my fiancée left me not believing my story, and before long I was living on lonely street. Slowly my resolve returned, and following my hound dog instincts I decided to discover the true story behind the mysterious gold deposits.

Conspiracy

I began researching the history of Nazi Germany and soon came across the story of Rudolph Hess' flight into Scotland. Immediately I realised that this was what Elvis was trying to signal to me." We now use an extract from Ned O'Malley's book - *Elvis and the Nazi gold conspiracy*.

Subversive

"...With the failure of the Battle of Britain, Hitler ordered that his deputy Rudolph Hess should look for subversive means of gaining control of the British Islands, and over the next six months he prepared by gathering together the vast supplies of

gold pillaged from all over Europe.

Miscalculation

It was then that he partook in the most dangerous part of his mission. Because of the most secret nature of this mission Hess flew the mission to drop the gold into Loch Ness. This he managed successfully, but due to a severe miscalculation of fuel load, he was forced to crash land in some paddocks in Scotland.

Sham

This story explains why Hess had to tell such a poor story, due to the only limited time he had to think it up. The story of an attempt to make peace was an obvious sham, and until now no satisfactory explanation has been provided for his remarkable flight.

Elvis

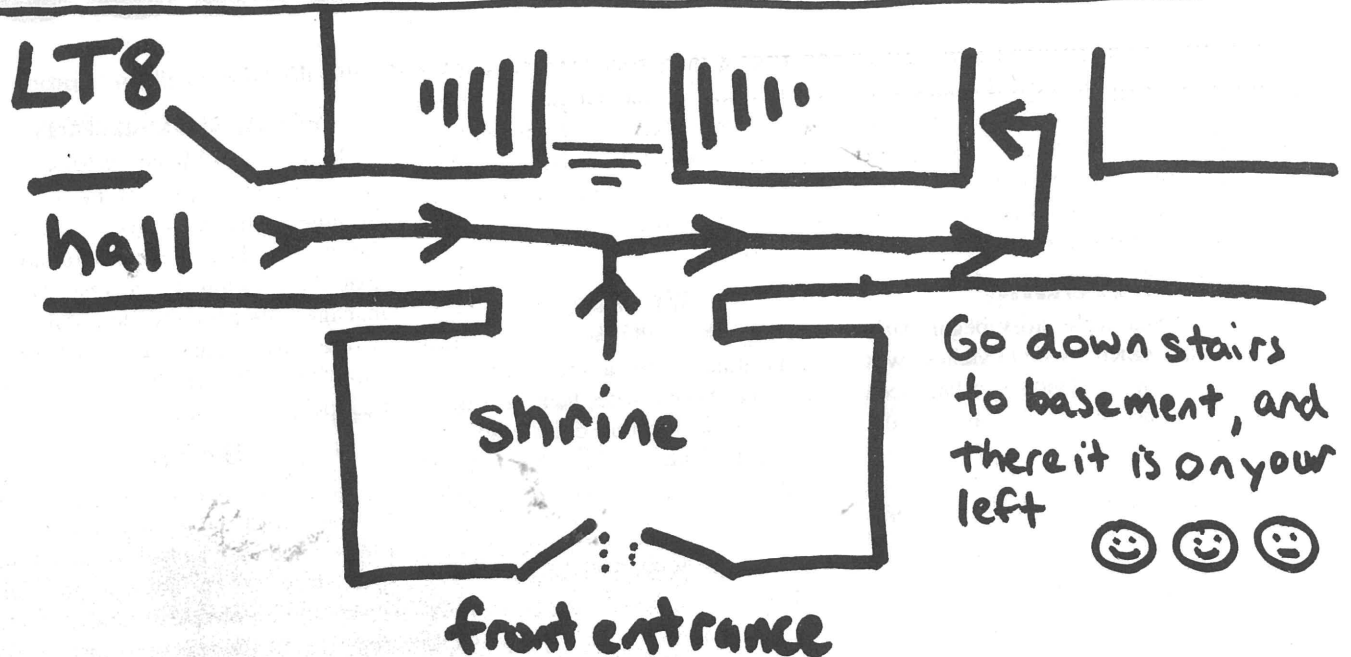
The reason it was left so long undiscovered, is due to two reasons. One, the mission was an extreme secret, the site of the gold only known to Hess. Two, Loch Ness is so deep that it made it's discovery virtually impossible except for such a supernatural agent as Elvis..."

Jeremy

It has been a great concern to the staff of Jeremy that a group of Neo-Nazi's has laid their hands on the gold, and if anybody knows the whereabouts of this would you please leave some in a Jeremy box.

REMEMBER:  USE THE
Physoc machine!

(Now as cheap as union, and no need to show your student card)



Competitions - Jeremy *gives YOU the prizes.*

This issue, we're giving away prizes for:

- Correct solution to the Dead Physicist X-Word.
- Best solution to the Physics 4-um problem
- The first person to correctly tell us how many times Elvis is mentioned in this issue.
- A lucky draw prize for any contributors to the next issue (excluding Quotes which have their own competition).

Annual Prizes:

- The [INSERT SPONSOR HERE] Quotes Competition.
- The Best Dud Theory (look out for Relativistic Jelly Snake Dynamics in next issue).

The prizes will be decided when we receive some entries, and yes WE DO REALLY HAVE THEM.

Phat Transfer Theory¹

Ian, Nick, Steve, Chris, A guy doing CS3, Derrick, MeatLoaf, Elvis, Jenny Craig, Gloria Marshall, Yvonne Allen and Associates, Ed, and many more whose names would help to make this one of the most co-authored papers in the history of the Universe

Abstract

The theory of phat transfer is based on empirical observations of human rotundity. The theory is centred on the transfer of quantised phat packets called phatons. These exhibit quantum effects and propagate through the phat ether. It is shown how the large variation in corpulence in the human population is achieved. The mechanism of phat potential and the basic equations governing phat transfer and measurement are described.

Introduction

It has long been observed that phat is unevenly distributed in our species. Tudor (1542) noted that he weighed much more than many of his subjects. He proposed that it was God who determined who was phat and who was not.² This mystical view of phat persisted for centuries. It was not until the late nineteenth century that the scientific discipline of Adipology was phormally recognised, with the phormation of the Royal Adipological Society in 1890.

Classical phat theories have concentrated on the trends in phat movement on a large scale, using statistics of average weight, Body Phat Index, and nutritional levels. They have also, through the efforts of medical research, been able to deduce some of the phactors affecting individual adipose levels. These include, of course, diet, exercise, and genetics. However, there had been no serious study of the physics of the phat distribution process until ground-breaking work by Piercy et al (1992).

Piercy (1992) suggested that some people are net phat donors, losing phat into a phat ether when they sleep. Others are net phat acceptors, absorbing phat from the ether when they sleep.³ Thus, some people are phatter than others, regardless of their environmental phactors such as exercise and eating habits. Most of this theory has been shown to be correct. However, we do not have any models of the actual process, and no suggestions as to the mechanism of transfer beyond the existence of the ether have been made.

In our research, theoretical modelling of the phat transfer process has been possible. They centre on the existence of phat transfer particles.

Phat Transfer and the Phaton

We called the transfer particle the phaton (pronounced FAT-on), as it is in many ways an analogue of the photon. It exhibits wave-particle duality, and other quantum effects. It is, in essence, a phat 'packet'. Its propagation through any matter depends on the presence of a phat ether, which permeates all space.

¹ This study was supported by a grant from the National Adipological Council and McDonald's Family Restaurants.

² Tudor, Henry VIII (1542) *Oh why am I so ponderous?* Archives of the British Royal Family 123:456-458.

³ Piercy, Eeny-bob Goob (1992), *Net fat acceptors and net fat donors*. CPR Technical Reports 2:1-20.

Generally, there are some people (usually heavy, but not always so) who are net phat acceptors. There are others who are net phat donors. The change in phat levels of an individual will depend on the net movement of phatons into or out of the body.

Phatons phollow several laws, analogues of the laws governing other particles.

1. Conservation of Phat

Phat is conserved. The total amount of phat in the universe is constant. When phat is lost by someone, it is transferred into the vast pool that floats in the phat ether. This pool is the source phor phat acceptance. There is no direct transfer of phat.

Note that it is impossible to determine where the phatons phor one individual actually came from, thus alleviating any guilt that narrow people may feel phor someone else's adipologically challenged state.⁴

2. Units of Phatons

The units of phat are, of course, kilojoules. Each phaton carries an amount of kilojoules dependent on its wavelength in the ether. The law governing this is given by the Phat-Phfrequency equation.

$$\text{Phat} = k \times \upsilon$$

Here υ is the phfrequency of the phaton in the phat ether. k is the MeatLoaf constant, called because the observations of this effect were phirst observed in this fleshy rock star.

3. Transfer and Accumulation

The net transfer of phatons into an individual is given by

$$\Phi = -\nabla \cdot \phi$$

where Φ represents the transfer mass, and ϕ the *phaton phield* of the surrounding ether. The divergence is evaluated phor a volume element consisting of one person. From the Law of Conservation of Phat, we derive Gauss' Law phor the Phat Ether:

$$\oint_{\text{person}} \nabla \cdot \phi \, dV = \rho \Xi \quad \text{and the divergence theorem gives:} \quad \oint_{\text{person}} \phi \cdot dS = \rho \Xi$$

4. There is no such thing as "Overweight" or "Underweight"

It is clear from [3] that there are analogies between phaton dynamics and photon dynamics (which, as all know, propagate through the light ether). We extend this theory to the idea of a *phat potential*, designated by:

$$\Xi = \varepsilon(\text{activity}) + f(\text{food}) + [\pi(\text{personal})]^4$$

Ξ is the summed phat potential, consisting of ε , a phunction of activity, f as a phunction of diet, and the personal, and so phar inexplicable π . $\Xi < -k$ indicates the presence of a phat *negative node*, which are also called phaton acceptors. $\Xi > -k$ are *positive nodes*, or phaton donors. The phatons are in a state of dynamic equilibrium from the ether to living organisms, and will accumulate in greater amounts in those with $\Xi < -k$. But how is this equilibrium established?

A *transient phatness* $\wp$ is defined, such that $\wp = \exp(\rho)$, where ρ is the phaton density of a person. This transient is added to the potential Ξ so that the effective potential is $\Xi + \wp$. It is then trivial, obvious, evident, easy to show (Problem 2.2a), and left as an exercise to the reader that

⁴ Steve, Big *Some are more Equal than Others*. Playpen Press, Hogsville 1992.

$$\Xi + \mathcal{H} = 0$$

gives an equilibrium (prove). Thus, there is no notion of over or underweight, since equilibrium will always be established as correct phor the potential. Moreover, diet and activity are of 4 orders smaller than the unknown personal phactor, so they are of little importance in the eventuating equilibrium position.

Alternative Theories - why babies are phat, why people living in deserts are not.

It has also been suggested by MeatLoaf (1994), that we replace ϵ (activity) by R(rest phactor).⁵ Thus, the more you sleep/rest, the more phatons you acquire. This may explain why babies are phat - they spend much of the day sleeping.⁶ Alternatively, he says, dead people give up their phatons to the ether, where they are picked up by babies being born, but of course, the babies are smaller, with the same number of phatons, so they are phatter.

Geography also affects potential: some places, like deserts, are phat "hills" where phatons want to leave. Some, like Jenny Craig Centres, are phat "valleys" where phatons sink to. Therefore people in deserts are skinny, because their potential is higher due to geography.⁷

The Aerobics Class-Gymnasium Effect

It has been suggested by Skinny Chris (1994) that a phat potential carrier (ie., anyone, really) will act like electrons, and radiate when accelerated.⁸ The radiated particles are phatons, and self propagate at a significant rate.

The phatons generated by oscillations and movement stream away in all directions into the phat ether, joining the aforementioned phaton pool, the wavelength in the ether being determined by the angular phrequency of oscillation of the person by the H K Ward - Noel Martin Equation:

$$\lambda = P_{AE} \left(\frac{1}{\omega} \right)^k$$

The constant P_{AE} is the Aerobics Class constant, carefully measured from observations at the SUWSA gym opposite the Physics building.

Since the phaster the oscillations, the greater the phat energy, heavier aerobics classes have more effect than light ones. Thus, areas such as gymnasiums and aerobics classes provide extremely powerful sources of phat radiation.

Conclusion

The only reason no one has stumbled across this truly amazing science before is that phatons are by nature very hard to detect. It is estimated that they are a billion times harder to detect than a neutrino. We therefore want to put in a grant proposal to build a giant phaton detector made of people, say, about 10^6 by 10^6 , in the middle of the Gibson desert somewhere, where land is very cheap. We are looking phor volunteers to be part of (literally) this noble and phantatstic undertaking.

⁵ MeatLoaf, LookAlike (1994) *How the baby got his phat* Picture book, published in Puffin.

⁶ Steve, Big (1994) *Babies sleep a lot - I have noticed this.* in *Observations on Small Wet Things that Cry* 1:23-25.

⁷ Nathan (1994) *Hassling Skinny People* in *Journal of the Society of Slack Bastards*, 666:666.

⁸ Chris, Skinny (1994), *Why do I have such a common name?* not to be confused with Chris, Beefy (1993), author of *I used to be really skinny, but I go to the gym now.*

Jeremy *presents...*

The Physics 4-um

Your host this issue, standing in for Sue B., is none other than your smiling, happy editors....

[What? Again?]



Today's problem was given to us by one of our 3 contributors to this issue. [Thanks Beth.- Eds]

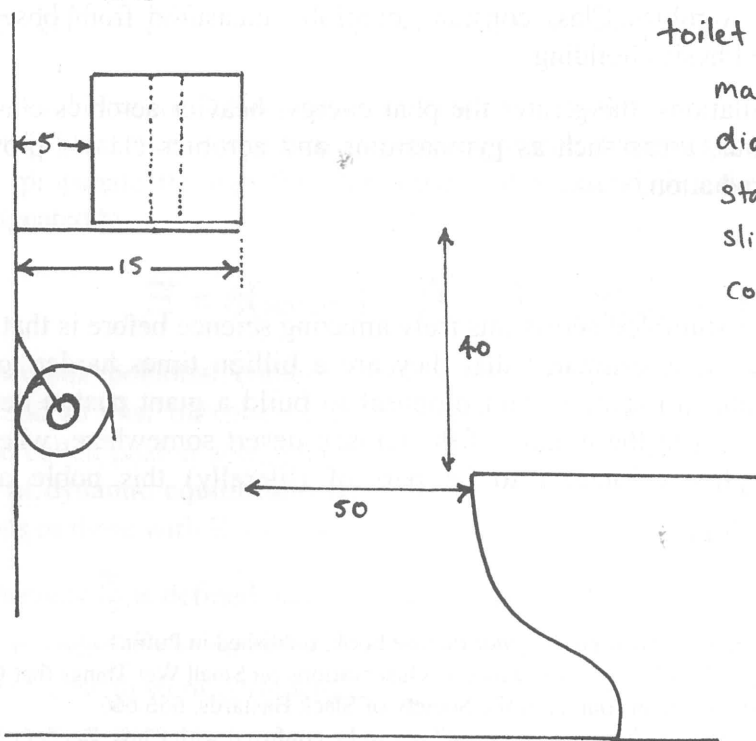
A toilet roll stands on a shelf behind a toilet door. The door is in the ladies' toilets in the physics building. When the door is slammed, the roll slides along the shelf, bounces off the door and slides back again, to fall off the shelf to the floor.

The roll is 5cm from the door, and is 10 cm in diameter. The shelf is 15cm wide. The coefficient of sliding friction (for simplicity, ignore static friction) is 0.1. The roll has a mass of 100g, and a coefficient of restitution of 0.5. The door is stopped by its frame in 0.1s. With what velocity must the door hit the frame to make sure that the toilet roll falls off?

Note: coefficient of restitution = $\frac{\text{Energy after collision}}{\text{Energy before collision}}$

For extra points: If the toilet bowl is 0.5m from the end of the shelf, how hard does the door have to be slammed to get it in?

Jeremy is offering prizes for the best answer to this. We will accept theoretical answers and computer models from all but experimental results will be accepted from females only. Put them in a Jeremy box soon!



toilet paper:

mass = 100g

diameter = 0.1 m

static friction: neglect

sliding friction: 0.1

coeff of restitution: 0.5

And once again its the

insert sponsor here

Jeremy Quotes Competition

We the Editors of Jeremy have obtained a **HUGE** sum of money in which to distribute **FANTASTIC** prizes of **CASH MONEY** to those who contribute quotes to this esteemed journal, as well as the boundless prestige of actually having you quotes published. Some of these quotes are old, ones that were too late to make it into the last edition, and have been graciously passed on to us by last year's editors.

Dr Martijn de Sterke

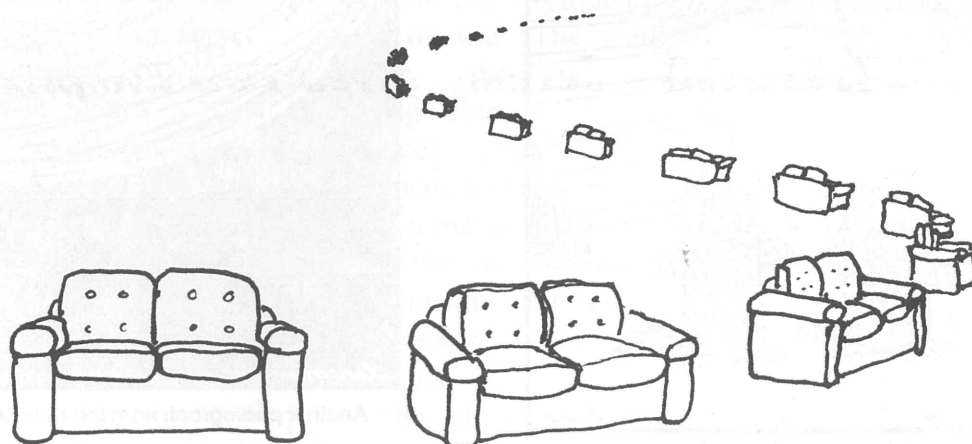
- "We have a scenario here. Physicists like to use the word scenario when they don't know what's happening."
- " 6×10^{23} is a lot more manageable than infinity."
- "It's not impossible for hell to freeze over - it's just extremely unlikely."

Dr Dick Collins

- "Non Conservative Forces stink and we don't have much to do with them."
- "What you've said is not **completely** dumb."
- "Vectors are better than fingers because you don't run out of vectors."

Dr Juris Ulrichs

- "Red light is of long wavelength, blue light of shorter wavelength, Consider Gamma rays as light so blue that we can't see it."



A Cauchy Sequence...

...and the quotes Continue

Dr Ian Johnston

- "This surface contact explanation of friction looks good on the surface...."
- "Quantum Mechanics *is* just black magic."

Dr John Lehane

- "These are empirical observations which we shall demonstrate for you, uh, empirically."

Dr Brian McInnes

- "Pippard talks alot about unstable, stable and metastable states, which is all very interesting but it doesn't turn me on much."

Prof. Ted Fackerall (Applied Maths)

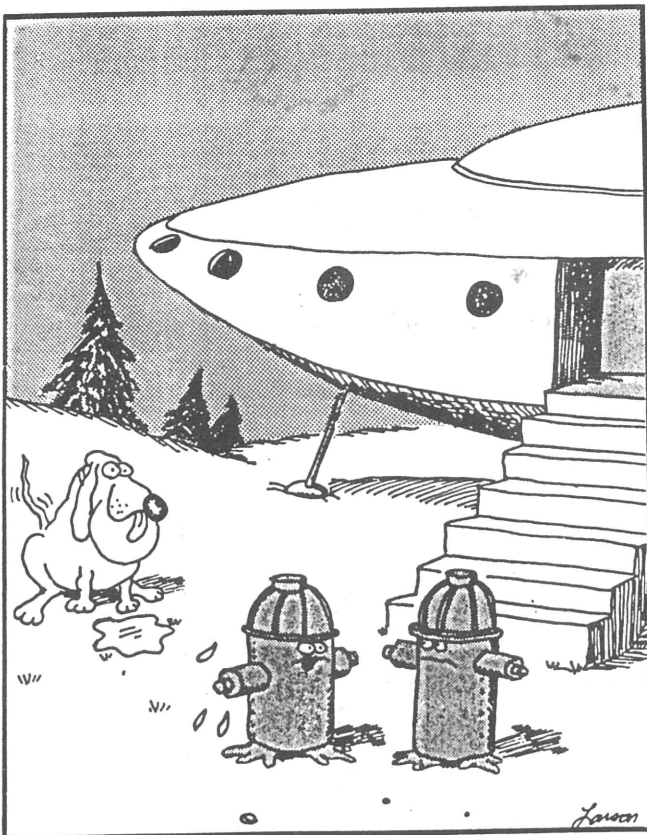
- "When Mathematics asks that sort of question, the answer is always zero, one, infinity, or occasionally forty-two."

Dr David Galloway (Applied Maths)

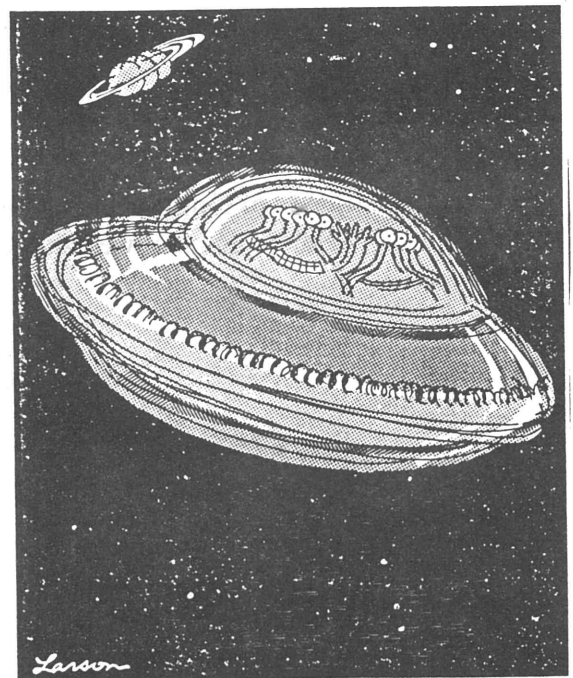
- "This book's description of the black death is hilarious, very entertaining and a lot of fun."

Dr Bill Gibson (Applied Maths)

- "This is known as the 'full tummy limit' I don't think that is a technical term."



"Take me to your leader,' I said ... and then the most hideous thing happened."



Another photograph from the Hubble telescope

NEWS! NEWS! NEWS!

YOUR PAPER, THE Jeremy TRUTH, BRINGS YOU THE STORIES YOU WANT TO READ. WE ARE NOT AFRAID TO PRINT THE CONTROVERSY, THE SCANDAL, AND TO TELL THE SHOCKING TRUTH!!

Jeremy Vol. 10, No.1

April, 1994

Physics Student Stages Σ UMS Coup!

CARSLAW, Tuesday.

Colourful and eccentric Physics 3 student, Mr. Matthew Hole, staged a bloodless coup to overthrow the tyrannical regime of mathematicians, thus liberating the maths students from draconian requirements of mathematical rigour.

Mr. Hole becomes the second Physicist in three years to stage an insurgency. We have not witnessed the like since the glorious revolution, then fall of James Gilbert Yardley. Esq. When asked to comment on the matter, Mr. Yardley told Jeremy, "It can only increase the total happiness. Now go away you bastards." - *Jeremy Press*

THIRD YEAR "BRAIN DEAD"

PHYSICS BLDG, Thursday.

Unconfirmed reports from reliable Jeremy sources have alleged that the current third year Physics class is, in fact, "brain dead".

"They are all thick," a learned eccentric coordinating research astrophysicist muttered.

Jeremy spoke to several 3rd years, but was unable to get any meaningful reply. - *JP*

Jeremy Turns 10!

HERE, Now.

There was unbridled excitement and festivity when it was announced today that Jeremy had reached it's tenth year. "It's a wonder that such c--p is still in print!" a well known balding physics professor allegedly said.

COVER UP!! : LT8 IS SECRET PSYCHOLOGY EXPERIMENT

LT8, Wednesday.

Leaked top secret government files have revealed that LT8 is a secret psychology experiment designed to determine new methods of mass control.

Subtle tools are used to keep students awake during boring physics lectures, results of which will be used for POW interrogation in the event of war. The methods include shocking mind-bending colours, subliminal computer screen messages and uncomfortable seating. It is still a matter of speculation as to the use of the large hooks on the roof and walls. [they couldn't even support my weight -Ed]

The physics department has refused to confirm or deny the reports which could destroy the reputation of sev-

eral senior research physicists.

Furthermore the physics department has rushed out a statement stating "...the lecture theatre is perfectly safe...in the unlikely event of a catastrophe emergency procedures are in place to deal with any fatalities...moreover the computer system is almost certainly infallible."

PHYSICS-GATE: Scandal set to blow the lid off physics building!

No only kidding, we need to fill up space, and besides we thought that we ought to put in a headline like this. Where else can you get such cutting investigative journalism? If you don't like it, bugger off.

Jeremy Eds threaten poetry!!

EDITORIAL ROOM, Now.

The editors of Jeremy have issued an official warning, received at Jeremy offices tonight. It reads:

THE NEXT ISSUE OF JEREMY WILL BE IN VERSE, UNLESS OUR DEMANDS ARE MET. WE WANT: Ideas, contributions and any better suggestions for a theme. WE ARE NOT AFRAID TO DEFILE JEREMY WITH IAMBIC PENTAMETER!!!!

...and the quotes Continue

Dr Ian Johnston

- "This surface contact explanation of friction looks good on the surface...."
- "Quantum Mechanics *is* just black magic."

Dr John Lehane

- "These are empirical observations which we shall demonstrate for you, uh, empirically."

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- "Pippard talks alot about unstable, stable and metastable states, which is all very interesting but it doesn't turn me on much."

Prof. Ted Fackerall (Applied Maths)

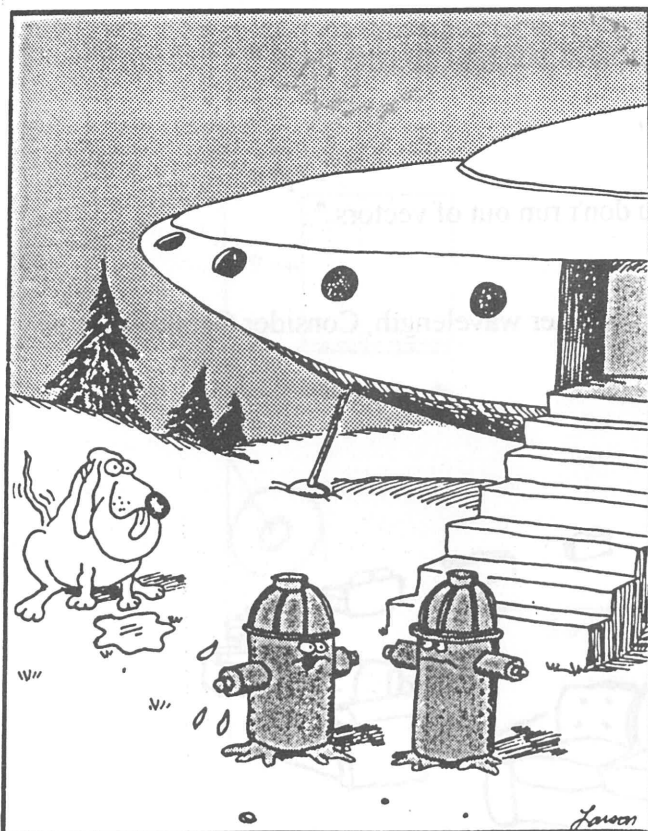
- "When Mathematics asks that sort of question, the answer is always zero, one, infinity, or occasionally forty-two."

Dr David Galloway (Applied Maths)

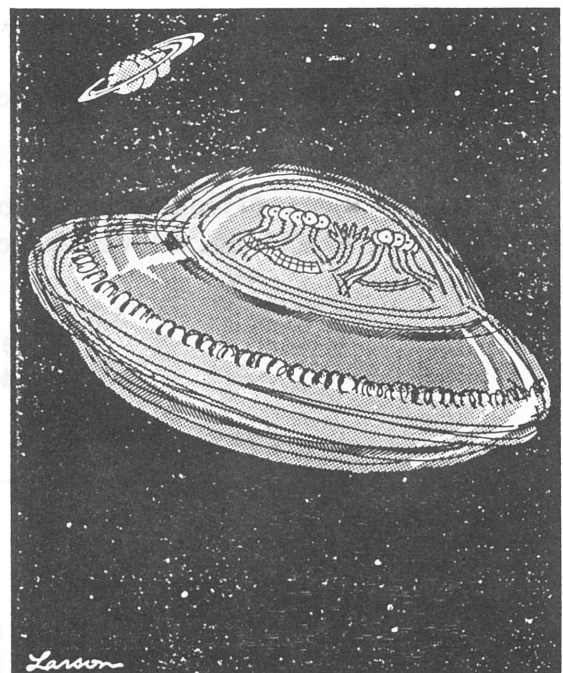
- "This book's description of the black death is hilarious, very entertaining and a lot of fun."

Dr Bill Gibson (Applied Maths)

- "This is known as the 'full tummy limit' I don't think that is a technical term."



"Take me to your leader, I said... and then the most hideous thing happened."



Another photograph from the Hubble telescope

NEWS! NEWS! NEWS!

YOUR PAPER, THE Jeremy TRUTH, BRINGS YOU THE STORIES YOU WANT TO READ. WE ARE NOT AFRAID TO PRINT THE CONTROVERSY, THE SCANDAL, AND TO TELL THE SHOCKING TRUTH!!

Jeremy Vol. 10, No.1

April, 1994

Physics Student Stages Σ UMS Coup!

CARSLAW, Tuesday.

Colourful and eccentric Physics 3 student, Mr. Matthew Hole, staged a bloodless coup to overthrow the tyrannical regime of mathematicians, thus liberating the maths students from draconian requirements of mathematical rigour.

Mr. Hole becomes the second Physicist in three years to stage an insurgency. We have not witnessed the like since the glorious revolution, then fall of James Gilbert Yardley. Esq. When asked to comment on the matter, Mr. Yardley told Jeremy, "It can only increase the total happiness. Now go away you bastards." - *Jeremy Press*

THIRD YEAR "BRAIN DEAD"

PHYSICS BLDG, Thursday.

Unconfirmed reports from reliable Jeremy sources have alleged that the current third year Physics class is, in fact, "brain dead".

"They are all thick," a learned eccentric coordinating research astrophysicist muttered.

Jeremy spoke to several 3rd years, but was unable to get any meaningful reply. - *JP*

Jeremy Turns 10!

HERE, Now.

There was unbridled excitement and festivity when it was announced today that Jeremy had reached it's tenth year. "It's a wonder that such c--p is still in print!" a well known balding physics professor allegedly said.

COVER UP!! : LT8 IS SECRET PSYCHOLOGY EXPERIMENT

LT8, Wednesday.

Leaked top secret government files have revealed that LT8 is a secret psychology experiment designed to determine new methods of mass control.

Subtle tools are used to keep students awake during boring physics lectures, results of which will be used for POW interrogation in the event of war. The methods include shocking mind-bending colours, subliminal computer screen messages and uncomfortable seating. It is still a matter of speculation as to the use of the large hooks on the roof and walls. [they couldn't even support my weight -Ed]

The physics department has refused to confirm or deny the reports which could destroy the reputation of sev-

eral senior research physicists.

Furthermore the physics department has rushed out a statement stating "...the lecture theatre is perfectly safe...in the unlikely event of a catastrophe emergency procedures are in place to deal with any fatalities...moreover the computer system is almost certainly infallible."

PHYSICS-GATE: Scandal set to blow the lid off physics building!

No only kidding, we need to fill up space, and besides we thought that we ought to put in a headline like this. Where else can you get such cutting investigative journalism? If you don't like it, bugger off.

Jeremy Eds threaten poetry!!

EDITORIAL ROOM, Now.

The editors of Jeremy have issued an official warning, received at Jeremy offices tonight. It reads:

THE NEXT ISSUE OF JEREMY WILL BE IN VERSE, UNLESS OUR DEMANDS ARE MET. WE WANT: Ideas, contributions and any better suggestions for a theme. WE ARE NOT AFRAID TO DEFILE JEREMY WITH IAMBIC PENTAMETER!!!!

The Cryptic Crossword

Note: nothing to do with physics.

Across

1. Hips. (11)
7. Drink not eat. (3)
9. Girl to work back on building her cargo boat. (7)
10. Worship dens? I do lie endlessly. (7)
11. Eat all the pig yourself. (3)
12. Spiritual leader sits on a bench to vommit. (4)
15. Composer gets to grips with things. (6)
16. 14. What we hear brings a stop to asleep. (6)
19. Weapons needed to attack thirty two. (4)
21. Bewilder Pecans. (4)
22. One's belief makes a confusing statement. (9)
23. Place a bet back into a volcano. (4)
25. That is to say, including the note will get our needle case back. (4)
27. Runner confounds his master. (6)
29. Large book parries nothing. (6)
30. Besides, throwing out the

33. Medic has a fishy smell about him. (3)
35. Ventilated one god Edward. (7)
36. You'll cheer up when we're in Teheran. (7)
37. Of the sun, only backbone left. (3)
38. Being thoughtful care is noted. (11)

Down

1. Divides up the Easter eggs. (10)
2. The subject of atolls arose in his lessons. (5)
3. We hear the author is more correct. (6)
4. Demise is easy when the guillotine is used. (4)
5. Not the cavalier's day. (6)
6. Going back on a tinny promise suffocates former meaning. (6)
7. Spear a fish in Trent's name. (7)
8. War god gives antitoxin back. (4)
13. Puzzled snake thankful to find an Italian meal. (5)
14. Obtain with difficulty a tuning key. (5)
17. Begin with a fright. (5)
18. Maintaining your point of

- view has been consistent lies after losing your slot. (10)
20. I, General Skirmish. (5)
21. Dams up the branches. (5)
24. Unalter this with indifferent results. (7)
26. Judge to be a palindrome except for river running threw it. (7)
27. Turf end all washed up. (6)
28. Measurement by the ell shows Jolsen's name old. (6)
31. The abstract notion is innate to the problem. (5)
32. Eight with a Latin twist. (4)
34. Seven to drink while reading a chapter on sloth. (4)

18. Barby's sex toy.
20. Clump of stars.
21. Big, bright, hot, thing.
23. Dead physicist d. 1742
25. Dead physicist d. 1991
27. The sun.
28. A quark.
31. Small Packets.
33. A very dense ex-star.
35. Dead physicist d. 1944
36. Dead physicist d. 1954

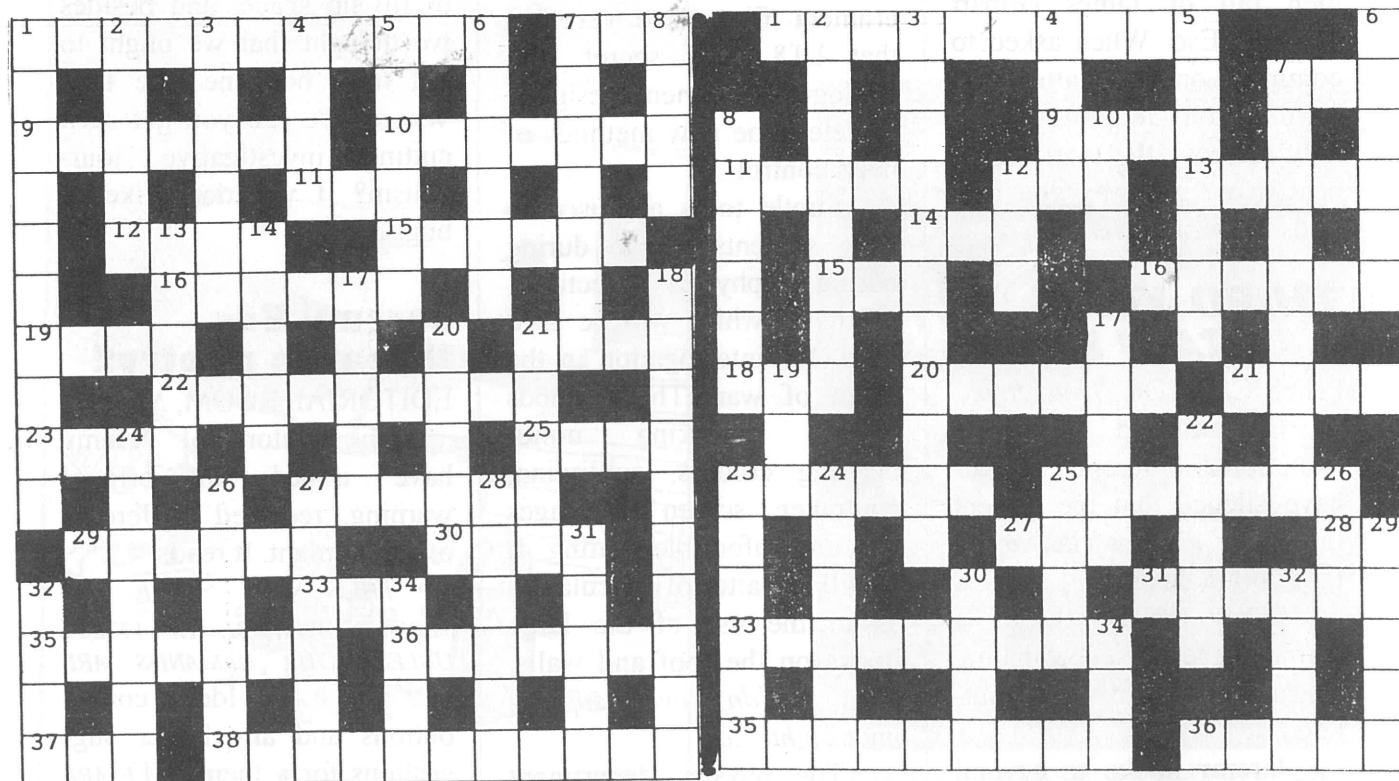
Down

2. Dead physicist d. 1955
3. Dead physicist d. 1961
4. Dead physicist d. 1962
5. Dead physicist d. 1642
6. A particle.
7. Dead physicist d. 322BC
8. Dead physicist d. 1947
10. Unit in physics.
12. Unit in physics.
17. Cat o' nine tails.
19. A long time.
22. To buy the beer
23. Dead physicist d. 1953
24. Dead physicist d. 1947
25. Physicist, not dead.
26. What happens to dead physicists.
29. Dead physicist d. 1958
30. How to make more physicists.
32. Cygnus X-1 is... (French).
34. An even longer time.

The Dead Physicist Crossword

Across

1. Dead physicist d. 1976
7. The atmosphere.
9. Where dead physicists go.
11. Physicist's toy.
12. Make a boo-boo.
13. Physics tutor.
14. Unit in physics.
15. The big crunch, the...
16. Dead physicist d. 1727



Solutions to Cryptic Crossword:
 Across, 1. Shipwrecked 7. Tea 9. Galliot 10. Idolise 11. Hog 12. Spew 15. Handel 16. Arrest 19. Arms 21. Stun 22. Testament 23. Etna 25. Etna
 Down, 1. Segregates 2. Isles 3. Writers 4. Eath 5. Knights 6. Drowns 7. Trident 8. Ares 13. Pasta 14. Wrest 17. Start 18. Inconsistence 20. Melee
 21. Stems 24. Neutral 26. Critic 27. Sudden 28. Alnage 31. Etna 32. Mars 34. Chai

$$\frac{E_{rest}}{c^2}$$

Episode 1: A.L.I.E.N. Alert

Enter the story of our star-studded, star gazing cast of socially successful but somewhat rebellious, vibrant, magnificently proportioned and perpetually troubled young physicists at the Big Universal Radio Photometer, as they eagerly scan the Universe for signs of Extraterrestrial Life Visible In Sky.

Late one night, Dr Ray Lee Criterion was working at his computer. With him was Spark Station, the young PhD student.

Volumes of data went past as Ray asked, "Say, Spark, have you noticed the Annoyance of Changing the Right Order of Names to Yield Meaning and Sense that seem to be coming up with every BURP output?"

"Indeed, and I think..."

"Shut Up! How would you think anything?" Ray cut in, "you don't even have a PhD. Just watch those screens for any indication that Extraterrestrial Life Visible In Sky is still alive out there somewhere!"

Earnestly, Spark sighed and got back to work.

Later, in the office labelled 'Photometry Director', the young and beautiful (what else?) research scientist, Dr Di Vergence, was receiving a dressing down from Professor Aliena Masque, undisputed queen of the facility.

"Vergence, you've gone too far in trying to publish this rubbish!" grated Aliena, "Decoding so-called alien messages from the skies. And what does *GOD, D'NU O HATU B'GNIHT ONT NIAI* mean anyway?"

"I don't know! I just analysed the composition of the BURP output, and that's what I got. Preliminary translations show it may be an invasion plan of some sort." sobbed the easily upset Di.

Sneering, Aliena loomed over the weeping junior scientist. "Get out, and don't tell anyone about this, or you'll never get tenure."

Exiting the office, Di pulled herself together. "Aliens are trying to invade us. I just know it," she sobbed.

"Looking for a shoulder to cry on?" asked Spark, who was conveniently passing by

in the corridor. "How did the meeting go? Did the Prof allow us to publish the results? Or did she take it badly?"

"Very badly, I'm afraid, she thinks it's all rubbish," said Di.

"I should have guessed," sighed a disappointed Spark, "No one listens to us. Dr Criterion is the only one who believes that we're getting these messages, and even he doesn't swallow this invasion bullsh..I mean invasion story."

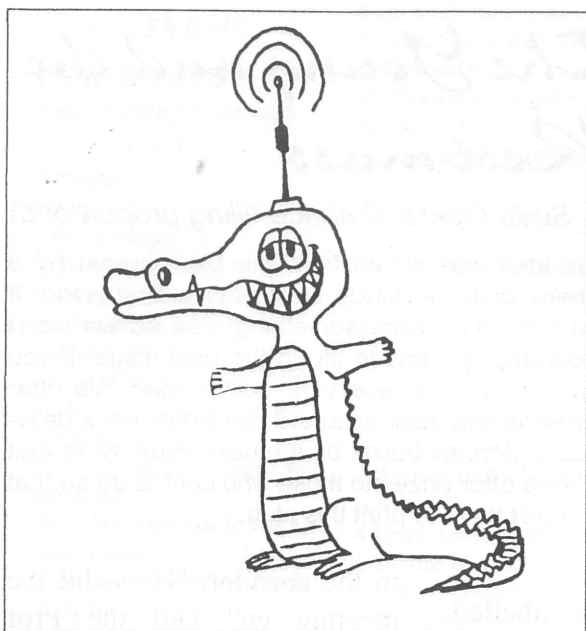
Sitting at their consoles on the next day, Ray, Spark and Di were surprised by another string of numbers pouring across the screen. "It's another message!" yelled Spark.

What is the message? Could it be something like 'RED NETE MEVOL' or even 'K'COR RESU OHLI AJ'? Will this awful section even be in the next issue? [I hope not, and I wrote it! - Ed] To find out, tune in next issue and hear Ray ask Di "Would you like to try that superposition... of waves."

The Young and the Rest-mass

(A Soap Opera of space-filling proportions)

This idea was stolen from the Med journal by a Jeremy editor to fill up space in the first issue. If you hate this, write something else so we won't need crap like this to fill up the next issue. If you actually like this, see your doctor now! We offer prizes for the most accurate plot predictions delivered to Jeremy boxes by the next issue. Note that we also offer prizes to those who contribute so that we won't have to print this stuff.



The Jeremy Back Page

This issue of Jeremy was bought to you by the the letters Ψ and Θ and the numbers π and e .

Contributors to this issue were:-

- Us the Editors ☺☺☺ for numerous articles (almost all in fact).
- Matt and Daniel (last year's editors) for passing on all they knew, as well as the left-over Jeremy quotes.
- Nick Spratt for industrially designing the crossword puzzles.
- Emma for getting her President's report in before the deadline for printing (take note Matt)
- Beth Matthew for 4-um question.
- Sean Yates, Ian Piercy, Nathan Pacey, James Yardley, Her Majesty Queen Elizabeth II, Gary Larson, and other sick and deranged minds for their contributions and ideas.
- God.

And no thanks to:-

- All the people who didn't contribute.
- Satan, who hindered us at every step.
- The lecturers who gave us nasty assignments which hampered our progress.

*[After all, we're not **really** here to learn physics, are we? - Ed ☺]*