



SUBMISSION GUIDELINES

FOR GUEST CONTRIBUTIONS TO THE [THUNDERBLOG](#)

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MANAGING EDITOR

Introduction

These guidelines are supplied to assist those wishing to have submissions considered for publication in the Thunderblog.

Whilst due consideration will be given to all submissions, those best prepared and most relevant to the EU themes discussed on the [Thunderbolts site](#) have a higher chance of acceptance for publication. The Editors retain the right to edit submissions or to refuse publication without offering any reason.

Requests for anonymity will be granted and respected and due discretion maintained. However all submissions must be accompanied by the author's name and contact details, for verification and administrative purposes.

General

Articles should preferably be brief and concise and should always be factually correct. Whilst it is human nature to speculate a little, we do not intend to publish everyone's pet theory. Please keep this in mind, and make obvious distinctions between opinion and fact.

By brief above, we mean between 500 to 1000 words, though this is simply a guideline and submissions will be assessed on a case by case basis.

Layout

Please familiarise yourself with the layout of the Thunderblog, and keep this in mind when formulating your submission. As the blog is a fairly narrow column, images should be placed *between* paragraphs, not within them. Examples will be given below.

Images

Images, where used, must be accompanied by the appropriate credits/source information, except those which are public domain, which should be clearly identified as such. Submissions with images but without this information will not be considered. Images should be included as attachments to your email with your submission in either .jpg or .gif format. Please see the examples below with regard to identification and placement of images.

Quotes

When quoting sources it is always best to include a link to the quote or a reference, if at all possible. Whilst it is acceptable to include very short quotes with the text of a paragraph, long quotes should be displayed separately, and will be identified on page by indentation and a different colored text. Please make it obvious when you are quoting a whole

paragraph from another source so that it can be formatted accordingly. Including [QUOTE] and then [END QUOTE] before and after the paragraph respectively will suffice. Also if you have added emphasis within a quote please indicate this in some way.

Links

As mentioned above, inclusion of links to external information is advisable wherever possible. The most common way to display links is to highlight a word or two of the text of a paragraph and use these words as the link. For submissions to the thunderblog it is a requirement that links be written in full, between brackets, and then followed by the words you wish to indicate the link underlined. Again see the examples below.

Submitting

All submissions, whilst they can obviously be prepared in many formats, should then be copied and pasted into an email, with any images **included as attachments, and not within the email text itself**. Submissions then can be simply emailed with a Subject line of Thunderblog submission: and a few words to identify your subject matter to the Managing Editor at davesmith_au@plasmareources.com.

Examples

The following examples have been put on separate pages to aid clarity.

The following text is as it would appear in the blog (margins notwithstanding):

To be fair, the first five years involved commissioning, calibration and testing, you know, all that stuff to make sure it works properly. But even in the last two years, they still have not detected even a ripple of gravity, let alone a whole wave of it. And don't think they haven't tried, the sensitivity of these machines is - well, sensitive. From the [LIGO facts page](#):

"Gravitational waves are ripples in the fabric of space-time. When they pass through LIGO's L-shaped detector they will decrease the distance between the test masses in one arm of the L, while increasing it in the other. These changes are minute: just 10^{-16} centimeters, or **one-hundred-millionth the diameter of a hydrogen atom** over the 4 kilometer length of the arm. ... "
[bold emphasis mine DS]

Ok, take the diameter of one hydrogen atom, (already a really really small thing) divide it into one hundred million really really little bits, and one of these bits is the change in length over a 4000m distance that a gravity wave will cause... I bet onions are off the menu in that lab canteen... I can just picture the guys setting it up: " 'chk' just a little to the left 'chk' - 'chk' not that much, a smidgeon to the right now 'chk' - 'chk' I said a smidgeon not a phooftenth! Back to the left just a 100,000,000th of a hydrogen atom's diameter 'chk' - 'chk' yep, that's perfect, now don't breathe until you're out of there 'chk'."

The same text prepared for submission:

To be fair, the first five years involved commissioning, calibration and testing, you know, all that stuff to make sure it works properly. But even in the last two years, they still have not detected even a ripple of gravity, let alone a whole wave of it. And don't think they haven't tried, the sensitivity of these machines is - well, sensitive. From the [INSERT LINK: http://www.ligo.caltech.edu/LIGO_web/PR/scripts/facts.html] [LIGO facts page](#):

[QUOTE]

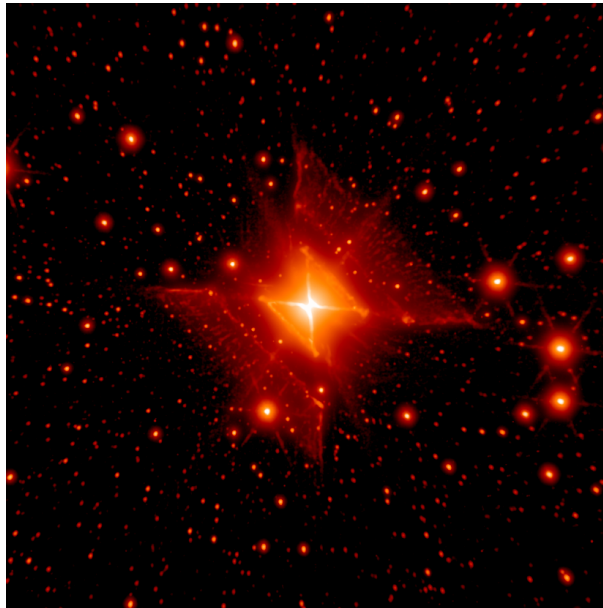
"Gravitational waves are ripples in the fabric of space-time. When they pass through LIGO's L-shaped detector they will decrease the distance between the test masses in one arm of the L, while increasing it in the other. These changes are minute: just 10^{-16} centimeters, or **one-hundred-millionth the diameter of a hydrogen atom** over the 4 kilometer length of the arm. ... "
[bold emphasis mine DS]
[END QUOTE]

Ok, take the diameter of one hydrogen atom, (already a really really small thing) divide it into one hundred million really really little bits, and one of these bits is the change in length over a 4000m distance that a gravity wave will cause... I bet onions are off the menu in that lab canteen... I can just picture the guys setting it up: " 'chk' just a little to the left 'chk' - 'chk' not that much, a smidgeon to the right now 'chk' - 'chk' I said a smidgeon not a phooftenth! Back to the left just a 100,000,000th of a hydrogen atom's diameter 'chk' - 'chk' yep, that's perfect, now don't breathe until you're out of there 'chk'."

Likewise to insert images, make sure you attach copies of images to the submission and include the filename of the image within brackets where you would like it to go, and don't forget the credits. If you can include a link to the original of the image it always helps too.

How it will look on the blog:

Here is an image of the red square nebula from the [Sydney University](http://www.physics.usyd.edu.au/~gekko/redsquare.html) in Australia.



Credit: Peter Tuthill, Sydney University Physics Dept Palomar and W.M. Keck observatories

This has to be a prime example of the structure of nebula reflecting the electrical nature of it's formation.

The same text and image placement prepared for submission:

Here is an image of the red square nebula from the [INSERT LINK:
<http://www.physics.usyd.edu.au/~gekko/redsquare.html>] [Sydney University](http://www.physics.usyd.edu.au/~gekko/redsquare.html) in Australia.

[INSERT IMAGE: redsquare.jpg]

Credit: Peter Tuthill, Sydney University Physics Dept Palomar and W.M. Keck observatories

This has to be a prime example of the structure of nebula reflecting the electrical nature of it's formation.

Summary

Thank you for your interest in submitting material for the Thunderblog. I hope and trust these guidelines assist you in your quest.

Cheers, Dave Smith.
Managing Editor.