

Stephen J. Crothers
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QLD

12th November 2006

The Hon. Julie Bishop, MP
Minister for Education, Science and Training
House of Representatives
Parliament House.
Canberra. 2600
ACT.

Dear Madam,

Re: Funding of Australian International Gravitational Observatory

It was reported in the Sydney Morning Herald on Thursday the 9th November 2006 on page 14 in the section Health & Science, in an article entitled "*A long time ago in a galaxy far, far away ...*" by Deborah Smith, Science Writer, that the Federal Government has before it an application for funding in the sum of \$20 million over four years for further development of the Australian International Gravitational Observatory (AIGO). In that article, Smith quoted Professor David Blair of the University of Western Australian and Associate Professor Susan Scott of the Australian National University.

It is apparent that Government has been advised and continues to be advised mainly, if not exclusively, by persons who are sympathetic to the notions of black holes, big bangs and associated gravitational waves. However, these notions are not established scientific facts or sound theoretical entities, although all and sundry are encouraged to believe otherwise by a very vocal and politically connected global lobby of scientists, elements of which routinely takes active measures to deliberately suppress anything and anybody that exposes their claims as spurious.

The AIGO project is and will continue to be a gross and disgraceful waste of taxpayers' money. These long baseline laser interferometers are designed upon fatally flawed analyses and will therefore never detect anything. The alleged causal phenomena of the alleged gravitational waves that the designers claim will be detected by these instruments are neither physically nor theoretically substantiated. In fact, both physical evidence and theoretical analysis actually refute them.

In the aforementioned newspaper article, Professor Blair is quoted thus,

"Nature taught us a hard lesson, that there isn't an abundance of black holes out there."

He is also quoted in relation to cosmic noise, that it is

"A rumbling hiss or murmur from the Big Bang itself."

Despite many years of effort and the expenditure of a great deal of money worldwide, no gravitational waves have ever been detected. Associate Professor Susan Scott is quoted on the possibility of foreign instruments and the proposed Australian instrument to detect gravitational waves,

"We hope that they do."

That is not a scientific objective. Federal spending \$20 million more on a forlorn hope is ridiculous.

With each failure the scientists involved worldwide in such projects simply claim that they need evermore-sensitive instruments, with which they will certainly detect their elusive gravitational waves emanating from elusive objects and phenomena, and with eloquent and beguiling sophistry they then request larger and larger sums of taxpayers' money to fund construction of larger, more powerful instruments, and their own continued employment. According to Smith,

"The Australian detector and the improved northern hemisphere ones would be so sensitive, however, that detection of waves from neutron stars merging to form a black hole is a certainty."

That remark is utter nonsense, yet it is also a claim of the relevant international group of scientists. There is no certainty at all that what has been heretofore a phantasm will suddenly materialise with the investment of yet more money. The only certainty is in fact that the current laser interferometers will never detect anything, since they are conceived upon erroneous theory, the details of which cannot of course be adduced herein, but are readily available to persons of relevant scientific training.

Now I remark that it is an irrefutable scientific fact that nobody has ever detected an event horizon, and so nobody has ever detected a black hole. Blair's rarity of black holes is in truth a failure by any scientist to find a single one of them. Nonetheless, the layman is encouraged to believe that black holes (and big bangs) are established facts of Nature. Nothing could be further from the truth.

Black holes, big bangs and their associated gravitational waves did not arise from observation that requires theoretical explanation, but instead from the flawed mathematics of theoretical fancy and wishful thinking that now seeks observational support to give it legitimacy. In the absence of physical substantiation, what have the scientists done? They just made things up, ad hoc! That is not scientific method. That the General Theory of Relativity predicts the existence of black holes and big bangs is demonstrably false. Einstein's theory actually precludes them, as is easily deduced from his theory.

It is difficult to enlighten educated non-technical persons, especially if they have been already misled, on technical and theoretical matters. The educated layman should nonetheless not put blind trust in what scientists say, and should never let the scientists make all or major decisions on matters of funding and the validity of a scientific project. That has led, and will continue to lead, to misdirection of public money, be it deliberate or in ignorance.

Here is a typical example of how the non-expert has been misled by the "expert". Let us assume for the sake of argument that black holes are predicted by General Relativity. Then

the black hole is a solution to Einstein's field equations for the interaction of a test particle with a single gravitating body. The test particle has no mass or energy. Therefore the black hole is not a solution for the interaction of two comparable masses. Indeed, it is not even known if Einstein's field equations admit of solutions for multi-body configurations. One cannot even talk of black hole interactions, such as black hole binaries, black hole collisions, or black hole mergers, until it has been demonstrated that Einstein's field equations permit of solutions for multi-body configurations of gravitationally interacting masses. Multi-body solutions can be demonstrated in two ways:

- a) by deducing an exact solution; or
- b) by proving an existence theorem.

There are no known solutions to Einstein's field equations for multi-body configurations, so option a) has **never** been met. No existence theorem has ever been proved, so option b) has **never** been met either. Furthermore, one cannot merely assert, by an analogy with Newton's theory, that black holes can be components of binary systems, can collide or merge. Consequently all talk of black hole binaries, black hole collisions and black hole mergers is twaddle. But that has not stopped the orthodox relativists, astronomers and astrophysicists from claiming their existence and from "seeing" them on a daily basis, even though nobody has ever found a lonesome black hole anywhere. But black holes are not even predicted by General Relativity to start with; contrary to what the public has been misled to believe.

Very recent experimental work by Professor Reginald T. Cahill, Acting Head of the School of Chemistry, Physics and Earth Sciences at Flinders University, reported only this month, has significant and painful ramifications for the work of Blair, Scott, and their associates, locally and internationally. Professor Cahill will present his discoveries before the upcoming conference of the Australian Institute of Physics in Brisbane on the 4th December 2006. I will myself attend Professor Cahill's talk.

I urge Government to take advice from technical persons who do not have a vested interest in research concerning black holes, big bangs and associated gravitational waves, and who can look at the evidence and arguments objectively, before it is too late. There is no doubt that it will come to pass, in the not too distant future, that the current astrophysical fallacies will be fully exposed, to the discredit of the reputations of the proponents thereof and great embarrassment to science generally. Those who have wasted money, large sums of money, on misguided, poorly analysed projects of dubious scientific value, projects such as the AIGO currently before Government, seeking funding, must also be held accountable.

Yours faithfully,



Stephen J. Crothers.

Associate Editor, Progress in Physics.
Associate Editor, Bulletin of Pure and Applied Sciences E (Mathematics).

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13th December 2006

The Director
Professor David Blair
Australian International Gravitational Research Centre
University of Western Australia
School of Physics
35 Stirling Highway
CRAWLEY 6009
WA

Dear Sir,

Re: Misdirection of Public Research Funds

The Australian International Gravitational Observatory (AIGO) has already squandered a large amount of public money on research projects of little or no scientific merit. Currently the Federal Government has before it a request for an additional \$20m for AIGO projects.

As a taxpayer, I am concerned that such large amounts of money are being spent on projects that ignore the empirical scientific facts and those theoretical analyses that call into serious doubt the merit of the projects pursued by the AIGO. These scientific facts and theoretical analyses have not been supplied to Government, either State or Federal, for its deliberations on the allocation of funding to the AIGO and related projects. A typical example recently occurred in relation to the presentation by Professor Reginald T. Cahill of Flinders University, before the recent biannual Congress of the Australian Institute of Physics (AIP) in Brisbane, 3 Dec. – 8 Dec. 2006. It has been reported that the AIP will not publish Professor Cahill's paper in the Proceedings of the Congress, evidently because his work casts serious doubt as to the validity of the currently accepted theories and the research projects conducted in Australia and abroad in relation to gravitation. I have myself sent email to the President of the AIP, its Vice President, its Secretary, and other AIP officials, calling for a confirmation or denial of the omission of Professor Cahill's paper from the Congress Proceedings, with an explanation as to why, if the report of omission is true. That inquiry has been completely ignored by the AIP. Members of the international scientific community have already been made aware of this situation.

There is ample evidence, published in various international journals, and also in books, for invalidation of much of the alleged scientific research carried out by the AIGO and its foreign counterparts. Yet this is never mentioned in any of the publications of the AIGO and its members or by its foreign collaborators. I know for a fact that certain AIGO participants have been provided with scientific papers or other advice in relation thereto, which reveal the fallacies in their theoretical work and their experimental and observational projects. Nevertheless, all has been ignored, and an application for further funding submitted to the Federal Government notwithstanding.

This is a serious situation. I intend to call upon Government, both Federal and State, for an inquiry into the funding process for scientific projects generally, and for the AIGO in particular. The current state of affairs is so serious that there may even be matters of criminal investigation to be addressed, potentially for misappropriation of public money by deliberate act or omission. Any substance to this possibility will of course have to be determined by Government fraud investigation pertaining to scientific projects.

The scientific community acts as if it is accountable to nobody but itself. That is convenient, but untrue. It is about time that the public at large is made aware of how its money is really being used by scientists. It is scandalous that scientists have been able to manoeuvre themselves into a position and standing in modern society by which they can now thumb their noses at legitimate criticism and merrily pursue what they please for the benefit of nothing but their vainglorious egos and their continued employment, also at the expense of the public purse.

I enclose herewith, by way of example, five significant scientific papers which thoroughly undermine the science claims of the AIGO and its international collaborators. All AIGO scientists should study them carefully. These papers will also be sent to Government and the broader international scientific community. If members of the AIGO and its international collaborators object to the content of any of these scientific papers, and those cited therein, then they must do so in the right and proper scientific fashion of open discussion before the international scientific community, in full view of the public, not by simply ignoring legitimate criticism.

It is interesting to note that British Nobel Laureate for Physics, Professor Brian Josephson, has expressed similar concerns about the current furtive machinations of the scientific community worldwide, in an interview article in the current issue of New Scientist magazine.

Scientific work generally, and that of the AIGO as a particular instance thereof, must be carried out in a transparent and objective fashion, particularly subject to informed public satisfaction where large sums of taxpayer money is involved. For many years now this has not been the case.

Yours faithfully,



Stephen J. Crothers.

cc. Julie Bishop, Federal Minister for Science, Education and Training; Kevin Rudd, Leader of the Federal Opposition; Francis Logan, Minister for Energy, Science and Innovation, WA; Barry House, Shadow Minister for Energy, Science and Innovation, WA; The Editor, The West Australian; The Editor, The Sydney Morning Herald; The Editor, The Age; The Editor, The Courier Mail; The Editor, The Australian; The Editor, The Advertiser; The Executive Producer, A Current Affair, TCN Channel 9; Mr. Robyn Williams, The Science Show, ABC Radio National.

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13th December 2006

The Chairman
ACIGA
Prof. David e. McClelland
Dept. of Physics
ANU
Canberra 0200
ACT

Dear Sir,

Re: Misdirection of Public Research Funds

Enclosed is a copy of my correspondence to the Director AIGRC Prof. David Blair.

This matter is a great scandal. It is a scandal for science, and it is a public scandal in that it is a gross waste of public money. Besides being a serious misdirection of taxpayer money, it may even have potential of investigation for misappropriation of public money and consequently be brought before the courts.

The mainstream scientific community has continually ignored all legitimate criticism, and so it has nobody to blame but itself. Owing to this grave misdeed drastic action must now be taken. The fact remains that the projects of the AIGRA, the AIGRC and the AIGO are fatally flawed and therefore worthless. The abuse of the public purse can no longer be tolerated. Indeed, funding for these spurious projects should never have been initiated.

The research and design members of the ACIGA, AIGRC and AIGO, and their foreign counterparts, must address these matters before the international scientific community and the taxpaying public, and be brought to book for their collective malfeasance. Your consortium must give a full and proper address of the scientific issues.

The inescapable consequence is that the search for black holes and big bangs is relegated to the dustbin of scientific history, along with the current efforts for the detection of gravitational waves.

The international scientific community has already been made aware of the situation.

Yours faithfully,



Stephen J. Crothers.