



Science and
technology in
their social context

Department of
Science and Technology Studies
University of Wollongong
PO Box 1144
Wollongong NSW 2500
Australia

9 January 1992

Dear Ivor,

Your letter of 19 December arrived here on 2 January, since the university was closed for the week between Christmas and New Year's Day. I've started mailing copies of Louis Pascal's paper to those on your list, and will proceed with this on a regular basis as time permits. By separate mail ("economy air", which is usually a bit slower than airmail) I'll shortly be sending 10 copies to you.

I'd be pleased to receive a list of journals and newspapers in England, Germany and the US to which to send the paper. I'll certainly be sending it to *Nature*, *Science*, *New Scientist* and some medical journals, but I suspect the most that can be expected from these mainstream journals is a news story. Sending it to all university medical schools would be an enormous undertaking, even if I had a list. My preference is to target people (e.g. particular journalists) and journals which are likely to be sympathetic, and let them proceed from there. (I've sent copies to a number of "alternative" journals already.) Your idea of epicentres of "Pascal-ideas" is a good one, though following the process sociologically would be a logistic and conceptual challenge, to say the least.

Thanks for your kind offer of hospitality should I visit England. At the moment, though, I have no plans for a trip. I'm glad to hear that you are getting back to normal after a difficult time.

Yours,

A handwritten signature in black ink, appearing to read 'Brian Martin'. The signature is fluid and cursive, with a horizontal line underneath the name.

Brian Martin

phone: ++61-42-287860 (home), ++61-42-213763 (work, direct), ++61-42-213691 (department office)
fax: ++61-42-213452
e-mail: B.Martin@uow.edu.au

Ivor Catt,
121 Westfields,
St. Albans AL3 4JR,
England.
0727 864257
19dec91

Brian Martin, Science and Technology Studies Dept.,
University of Wollongong,
PO Box 1144, Wollongong,
NSW 2500 Australia

Dear Brian,

Thank you for your 12dec91 letter. I append some 70 names and addresses for copies of your L Pascal piece. I would of course very much like to receive further copies myself. I suggest 10 at least, perhaps 20.

It is a great relief to me that you have put in this effort and carried your bureaucracy with you. I congratulate you. Since the "thumbs down" by Hiram Caton, my position has been uncomfortable, but I feel that your efforts have resolved my personal difficulties. Thank you.

Your intro. is excellent. I applaud your para. 5, the mention of his foray into ?sociology? "It is also worth reading...." If his main thesis proves somewhat inaccurate, his broader analysis of the politics of knowledge and the state of the medical profession will still be useful.

Page 2 of your intro. is politically very sophisticated.

Finally, the beivity of your intro. shows great wisdom.

I suspect a recent shift of ground in LP, that he is now more possessive over his main theses (oral polio...) and more ?extrovert? than before. That is, the question of recognition begins to figure more, and he might now be more locked into the debate than into raising the concern. (Only a few months ago LP suddenly started to write about his own psychological state, which until then was totally, noticeably, absent. That is, he suddenly changed from an objective "man of iron" to a human.)

I do hope you allocate time to me if and when you should visit England. You would be very welcome to stay in my house. However, I fully understand that during any such long trip, your time would be at a great premium.

The whole Hillman/icafe/Pascal business arose at a bad time for me, when my personal difficulties were very great. However, I am pulling out of them at last.

Obviously other groups of recipients for the L Pascal piece will have occurred to you. You will naturally go for review by journals, and this should include Germany and other places where English speaking is widespread.

I immediately think of New Scientist, London dailies and Sundays and other. Also of course a list of medical people is a good idea. In that case USA, England (?and Germany?). It is possible that most high level medics have some English, so that particular net stretches across the world. One route would be to the head of the medical faculty of each univ. in UK and USA, if you have such a list.

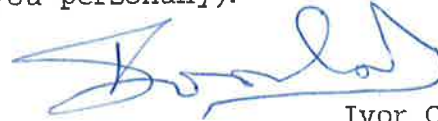
I purposely omit Aust and NZ, as being your territory.

Following Pascal's ideas, we can think of copies of the LP piece as behaving like the virus itself. Where will the "epicentres" start. In that context, you need to send a copy to the South African man who appears in LP correspondence, to try to start another centre in that other southern state. However, we will obviously feel that the key targets are USA, UK, Germany. Possibly Switzerland if that country is big in the drug industry. Another target would be Central Africa. You might pick up part of the

anti-colonialist backlash. For the idea to follow AIDs itself, out of Africa, would be fun. A target there would be heads of Univ. medical faculties.

I realise that compared with all the hassle that the Pascal business has created for you and me, the cost of such a wide distribution, in money and time, is not great (provided it's not you personally).
Again, congratulations.

Yours sincerely,



Ivor Catt

Names of recipients of Working Paper No. 9, Dec91;

7-1-92

- R D Burnett, 24 Bowers Way, Harpenden, Herts, England.
- Lynn Failing, 23 Dickens Close, St. Albans, Herts, England
- Modammed Sheikh, 79 Valiant House, Vicarage Cresc., London SW11 3LX,
- Sam Falle, 1 Oakwood Nook, Roundhay, Leeds LS8 2JA, England
- Jack Giddings, Mantis Numerics, 46 The Calls, Leeds LS2 7EY, England.

8-1-92

- done* Harold Hillman, 3 Merrow Dene, 76 Epsom Rd., Guildford Surrey GU1 2BX
- Prof. Wu Tiaxiang, Norman Bethuna Univ., Changchau, JiLin, China.
- Chris Penfold, 41 Newton Rd., London W2.
- Theo Theocharis, 200a Merton Rd., London SW18.
- N Bruce Snyder, 22 Gills Hill, Radlett, Herts.
- Beth, Ernest Morton, 158 The Ridgeway, St. Albans AL4 9XJ

13-1-92

- Helen Drewery, QSRE, Friends House, Euston Road, London NW1 2BJ
- The Librarian, Friends House, Euston Rd., London NW1 2BJ
- Dr. Ferguson, Midway Surgery, Watford Rd., St. Albans, Herts.
- Kate Graham, 29 Glemsford Dr., Harpenden AL5 5RB.
- Asen, Dr Karl, Marlborough Family Service, 38 Marlborough Place, St John's Wood, London NW8 0PJ.

23-1-92

- H Aspden, Acres High, Hadrian Way, Chilworth, Hants.
- Angela Ayres, Quaker Community, Water Lane, Bamford, Sheffield
- Barkey, Veronica Slater, 4 Gatehouse Close, George Rd., Kingston Hill, Surrey
- Bass, Selwyn I, Dentist, tel 30226/7, 9 Zownsend Avenue, St. Albans AL1 3SL
- Glennie Bean, 109 Buckland Ave., Dover.

10-2-92

- Beth, Prof Thomas, Institut fur Informatik, Universitat Karlsruhe, Fritz Erler Strasse 1-3, 75 Karlsruhe, West Germany
- Vaso Bovon 1971 West Middlefield Rd. No. 7, Mountain View, Calif. 94043-2990, USA
- Brent, Mike, 9 Cavendish Ave., Woodford Gn., Essex tel 081 504 2928 ?88?

11-2-92

- done* Brownlee, Paula, Hollins College, VA 24020, USA
- Kenny Brownlee, 4270 Albany Dr. apt. H314, San Jose, CA 95129, USA.
- Burrows, John H, 14419 Mayo, Pierrefonds, Quebec, Canada H9H 1L8
- A G Callegari, Dane Bridge Nursery, Much Hadham, Herts SG10
- Hiram Caton, Griffith University, Nathan, Brisbane, Queensland, Australia 4111.

Sue Edwards, 61 White Hedge Dr. St.Albans, Herts.
Allen Croxon, South Lodge, Hale House Lane, Churt, Surrey GU10 2LU.

Dana Mansfield Catt, oct90, 107B, Whipps Cross Road, Leytonstone, London E11 1NW.

12.2.92 { Darby, Margaret, (M.M.), Director, HATS/METTS, Project Office, The Avenue, Bengoe, Hertford SG14 3DX, tel 0992 501567

Davidson, Malcolm & Irene, 7 Brookside Dr., New Fairfield, Conn. 06812. USA

R J C Davey, 19a King Harry Lane, St. Albans, Herts

21.2.92 { Robert Blakey Dunn, 6 Lindum Place, St Albans AL3 4JJ.
Ruth and Roland Ellis, Pathways, Shinns Croft, Bosbury, Ledbury, Herefordshire HR8 1QD.

Dr L Essen, 41 Durlleston Pk Dr, Gt Bookham, Surrey KT23 4AJ.

Mike Gibson, 7361 Old Redmond Rd., Redmond, Wa 98052, USA.

Andrew Gilson, 43 Sadleir Rd., St Albans AL1 2BL

Francis J Grimer, 105 Draycott Avenue, Kenton, Harrow HA3 ODA

Margaret and Basil Harrison, 21 Elms Rd., Leicester LE2 3JD

7.3.92 { Dr. Hermann Haertel, IPN, Olfhausenstrasse. 62, 2300 Kiel, West Germany.

W P Holland, 8 Downfield Lane, Bigrigg, Egremont, Cumbria CA22 2UY.

9.3.92 { David Hyde, 62 Jessel House, Regency St. Dwellings, Vincent St., London SW1.

David Ingram. sep91. 36 Salisbury Ave., St. Albans AL1 4TO

Tom Ivall, 20 Penton Rd Staines Middx TW18 2JY

A C Lynch, 8 Heath Drive, Potters Bar, Herts EN6 1EH

10.3.92 { Neal Macdonald, 215 Giles Gate, Durhan City.

Capt. Heinz Lipschutz, 42 Fontygary Rd., Rhoose, Glam. CF6

Mike Luckhurst, 103 Dunstable Rd., Redbourn, Herts, England

Mahoney, Michael J. ^{Dept of Education} ED 1090, University of California, Santa Barbara, Ca. 93106, USA.

11.3.92 { W B Miller, MD Prestwick Circuits, home Cargill House, Culzean Rd, Maybole, Ayr, Scotland

clone Gordon Moran, Via delle Terme, 3 / Firenze / Italy. 1990.

Dick Pountain, 071 485 1484, 8 Rousden St., London NW1

Angelica Rojas, 5080 Jardines Universidad, Guadalajara, JAL 45110, Mexico.

Dr Jerry Sanders, Editor of Parallelogram International, Parallel House, 76 Glebe Rd., London N3 2AX.

Simpson, David and Janice, Simpson Associates Ltd., Elvingston House, Tranent, East Lothian, EH33 1EH, Scotland.

20.3.92 { Lucas Siorvanes, 18 Burnham Road, St. Albans AL1 4QW, tel 33939 sep89

Sir Clive Sinclair Flat 18, 5 Shepherd St., London W1Y 7LD.

Snyder, Bruce, (N.B.Snyder) 22 Gills Hill, Radlett WD7 8BZ

Marlene Winfield 24 Patshull rd, London NW5 2JY.

Gwen and Ralph Stevens, 10 Harrisons Green, Edgbaston, Birmingham B15

23.3.92

namesLa

3LH.

done Theo Theocharis, 200a Merton Rd., London SW18.
David Kelly, Trinity College, Cambridge.

Walton, D S, 103 Cromarty, Ouston, Chester le Street, Co Durham.
Sue Warman, 95 Hempstead Rd, Wat WD1 3HE

Ray West, 58 Littleton Rd., Ashford, Middx TW15 1UQ.
Richard Westmore, 48 Rampton Rd., Willingham, Cambridge CB4 5JD.

Raymond White, nov89, Longmynd, 20 Church Rd., Wickham Bishops, Essex CM8
3JZ

24.3.92

Graham Woyka, Standingstone, Haddington, East Lothian, Scotland

Dai Wrathall, Social Services, Bleak House, Catherine St., St. Albans AL3
5BS

~~On all cc~~

In all copies insert a slip; "Sent at
the suggestion of Ivor Catt".

**SCIENCE AND TECHNOLOGY STUDIES
Department**



Science
and Technology
in their
Social Context

University of Wollongong
PO Box 1144
Wollongong NSW 2500
Australia

12 December 1991

Dear Ivor,

Your letter of 5 December arrived today. By now you should have received a copy of Louis Pascal's report. (Note that I decided not to include any acknowledgements — namely to you and to me — because Louis didn't want me to delay publication even a day to wait to hear from you.)

Please send me as many addresses as you like, and I'll arrange for copies of the report to be sent out.

Yours,

A handwritten signature in cursive script that reads 'Brian'.

Brian Martin

phone: ++61-42-287860 (home)
++61-42-213763 (work, direct)
++61-42-213691 (department office)
fax: ++61-42-213452
e-mail: B.Martin@uow.edu.au

12.12.91

icafKaa

page 1

Louis Pascal,
51 MacDougal St., Apt 146,
New York,
N.Y. 10012
USA

Brian Martin
Science and Tech. Dept.,
University of Wollongong,
PO Box 1144,
Wollongong NSW 2500,
Australia

Ivor Catt,
121 Westfields,
St. Albans AL3 4JR,
England.
0727 864257
5dec91

Dear Louis Pascal, Brian Martin,

I will feel honoured to receive mention in the LP publication by BM,
"~~Where Science has gone wrong~~". *"What happens when science goes bad"*
Would BM allow me to send him a list of 100 recipients of the
publication?

Yours sincerely,


Ivor

Address sent 28-11-91

H.C. Arp

Max Planck Institute for Physics & Astrophysics,

Karl Schwarzschild Str. 1

D-8046 Garching

FRG.

from SCI

SCIENCE AND TECHNOLOGY STUDIES
Department

STS
Science
and Technology
in their
Social Context

University of Wollongong
PO Box 1144, Wollongong, NSW 2500, Australia.
Telephone: 042-21 3691 Telegram: UNIOFWOL Telex: 29022 Fax: 21 3452

26 November 1991

Dear Ivor,

Your letters and documents posted 4 September arrived here last week, and since I was away for a week I've only just read them.

I don't know Arp's address, but will try to track it down for you.

Louis Pascal's "What happens when science goes bad" will be published in a working paper series in the Science and Technology Analysis research programme here (sort of linked to the Department). It will be available free, and I'll be sure to send you a copy. Let me know names of anyone else who should receive a copy.

Re Bryan G. Wallace - about whom and whose work I know nothing: it is a familiar experience that people with unorthodox views are often intolerant of those with different unorthodox views. This suggests to me the need for a variety of different avenues for raising such views. Any central organisation must be selective and will inevitably either reject important work or, by publishing absolutely anything, lose all credibility (through guilt by association - with so-called 'cranks'). The alternative channels must not all be controllable by the same individual or group.

Best wishes,

Bryan

pm 4.9.91 r 18/22.11.91

LPashab

page 1

BM; Please give me Arp's
address. Ivor 5.9.91

23aug91. To R.A. from I Catt.

Thank you so much for the copy of your Nature article vol 352, 15aug91, pp581-589, which you mailed to me on 22.8.91. However, I very much need answers to at least some of the questions in my 15aug91 letter, copy below.

I look forward to hearing from you.

Yours sincerely,

Ivor Catt

Ivor Catt,
121 Westfields,
St. Albans AL3 4JR
15aug91

Professor Roy Anderson,
Biological Statistics,
Imperial College,
South Kensington,
London

Dear Professor Anderson,

I was very interested to read the article on page 20 of today's Guardian.

I shall be very grateful if you tell me the date of the issue of Nature referred to, and if possible send me a copy of your paper.

Where else is work along your lines being done? Are there other groups or individuals with expertise in biological statistics applied to AIDS, or are you alone in this work? I would very much like to receive your guidance on the relevant references on the origins of AIDS.

Which mechanisms for transfer from monkeys have been suggested? I have heard of bites, scratches, bestiality. Are there others?

Can you comment on the suggestion that the administration of smallpox vaccine triggers an HIV carrier into AIDS? What are the references, and what is your opinion?

Yours sincerely,

Ivor Catt

icafHcc

Ivor Catt, 25aug91

Modern Physics in a Cul de Sa

It is noteworthy that Einstein himself and also the whole post-Einstein community who call themselves 'modern physics', never mention the impedance of free space /

/ u / E

V

although it is one of the key primitives on which digital electronic engineering is based. The reader is encouraged to look for reference to it in the literature of modern physics. (Note 1)

Although I published the above widely in 1984, there has been no response. We now have to investigate, not only why the whole community who call themselves "Modern Physics" are ignorant of the impedance of free space, Z_0 , but also why no one, both inside Modern Physics and elsewhere, is concerned about this crucial gap in the knowledge of a whole scientific community who spend vast amounts of taxpayers' money.

One possible explanation of the (non) response from Modern Physics comes from Basil Bernstein, that knowledge is property with its own market and trading value, to be protected by the practitioners of that particular brand of knowledge. (Note 2). The practitioners protect their livelihood, represented by a static body of knowledge, against the intrusion of new knowledge (like Z_0). My colleague Harold Hillman says simply that the high priests in each body of knowledge that he is involved in are crooks, with no interest in the advance of science, but only in their own personal fame, careers and income. (Wallace would agree.) This would for instance include all members of the Royal Society. However, this analysis does not seem to apply to Bryan G. Wallace, who has joined Hillman's "International Committee for Academic Freedom", which emphasises the introduction of stricter ethics into science. Wallace himself is very much concerned about unethical behaviour in science, particularly scientists' failure to respond to his assertions about the velocity of light. (Note 3).

As I told him, I read Wallace's book (note 3) and then asked him to comment on the constant Z_0 . His response was to assert that he would not do so, since Z_0 was not within the paradigm agreed between Modern Physics and Modern Physics dissidents. That is, in the argument between Modern Physics and their accredited opponents, Z_0 was excluded. (Note 4).

We have to consider why Wallace joined the International Committee for Academic Freedom, co-founded by me, although he exhibits exactly the behaviour that the committee was set up to attack, and that he himself attacks in his book (note 3). Clearly, unless he agrees to make some comment on Z_0 , he should be driven out of our organisation. (I only ask that he assert that he is ignorant of Z_0 , or better, that he regrets his ignorance of Z_0 , and/or that Z_0 should play no part in fundamental physics.)

Hillman authored a "Hippocratic Oath" for scientists, which centred on the idea that a scientist should always comment on any communication sent to him by another expert that was within his area of expertise. This Wallace is refusing to do.

I send this document [file no icafHca (also icafHba, icafHae)] to Wallace's cronies in Leningrad (sent to Maiboroda), and ask the same of them as I asked of Wallace in my 10aug91 letter.

I append a discussion about Z_0 . (Note 5.)

Not yet sent
IC 3sep91

icafHcc

Ivor Catt, 25aug91

page 2

In anticipation of the assertion that Z_0 has no bearing on fundamental physics, I ask my co-author to comment. Dr. D. S. Walton researched experimental particle physics and lectured in Trinity College, Dublin. He is at 103 Cromarty, Ouston, Chester le Street, Durham, England.

Notes

1

This was published by me thrice under the same title; "Fundamentals of Electromagnetic Energy Transfer".

(1) Proceedings of the International Conference on Electromagnetic Compatibility, 18-21 1984, IERE pub. no. 60, p58. Conference held by the Institution of Electronic and Radio Engineers (IERE) in association with the IEE, IEEE, Inst. Marine Engineers, Inst. Quality Assurance, and Royal Aeronautical Society. Held at the University of Surrey, 18-21 Sept. 1984. (Note that this impressive array of learned institutions does not include Inst. Phys. or other learned bodies associated with "Modern Physics". It is possible that this apparently impressive array of institutions takes its place in the pecking order below another array including Inst. Phys., Royal Society, Royal Institution. Perhaps the latter group feel entitled to or even required to ignore the former group.)

(2) Also published in (Electronics and) Wireless World, September 1984, p46. One often hears the remark, "You do yourself a lot of damage by publishing in Wireless World."

(3) Also published in my book "Death of Electric Current", pub. C.A.M. Publishing 1987, p138.

[In case this text is badly written, I will state here that the constant in question, called the Impedance of Free Space, is given the symbol Z_0 . (1) It equals the square root of the permeability divided by the permittivity of free space. (2) It equals 377 ohms.]

2

Referenced and discussed in my book ELECTROMAGNETIC THEORY vol 1, pub. C.A.M. Publishing, 1979, p118/138 and 124 ref.6

3

B. G. Wallace, The Farce of Physics, unpublished book dated 1990. This book is riddled with attacks on established scientists for refusing to comment on his work relating to the speed of light, and their suppression of his attempts to publish.

4

Letter from Ivor Catt to B G Wallace dated 10aug91 (file no. icafHba) and his reply dated 16aug91. His reply states; "With regard to your (a) and (b) questions: The mass conceptual problems of modern physics stems from the abstract concept of both particles and photons being quantized waves in a static solid ether that is inherent in all popular arguments of 20th century physics, including the arguments and theories of most anti relativists." He then wordily restates his own theories, which he knows I have already read at length in his book THE FARCE OF PHYSICS (note 3). That is, since his opponents, the Modern Physics community, are ignorant of Z_0 , he is very happy to remain so himself, and ignore attempts to intrude it into the discussion. It is this behaviour that the International Committee for Academic Freedom (! which Wallace joined !) was set up to counter. This situation brings to mind my oft repeated phrase, "The role of the radical in reinforcing a reactionary status quo." Also the phrase, "House Radical". (I also wrote him a long letter dated

9aug91, my file no. icafHae.)

5

Why are all members of the "Modern Physics" clan and also their accredited opponents (defined as any gentlemen who would be allowed to take part on one or other side in a Twin Paradox debate on TV, and similar, later, accredited "palace discussions",) totally ignorant of the impedance of free space, Z_0 ? The answer comes in a number of stages.

a

The lack of competence among university lecturers on electromagnetic theory. "... university lecturers remain muddled and vague about the velocity of a TEM wave. Curiously, they are much more sure that the velocity of light equals the constant c ." (Note 6, p188.)

b

The obscurity and obliqueness and multiple errors in books on electromagnetic theory. See for instance (my lecturer) Professor Oatley's pathetic attempt (in his text book) to describe the way an electromagnetic wave travels. He held the chair in Cambridge. This confirms the assertion which I attribute to M Polanyi that our culture is sustained by a very small number of experts surrounded by vandals, the latter occupying almost all the High Places (and I would say also the leading Dissident Places).

c

The co-existence of two incompatible models for the TEM wave (Wireless World July 1979 and Note 6, p51).

d

Although Oliver Heaviside discovered the model for the TEM wave, which I christened the Heaviside Signal (Wireless World July 1979), he was not completely untainted by the competing model, the Rolling Wave, which Maxwell, whom he praised to the heavens, brewed up. However, my many writings on the subject (note 7) should have amply cleared up the confusion. Note that more than half the copy in the world on electromagnetic theory from 1978 to 1988 was published by me or about me. (Five million copies of the relevant issues of Wireless World were printed, along with my books and other articles.)

6

I. Catt, Death of Electric Current, pub. C.A.M. Publishing 1987.

7

Descriptions by I Catt of the TEM Wave, (= Energy Current), (Poynting Vector,) include Note 6, pp23, 24, 39, 44, 51*(the most important), 90(diag), 96, 105(diag), 136(diag)*, 137, 138 fig4*, 142(diag)*. These are all taken from Wireless World articles. Further, my book DIGITAL HARDWARE DESIGN pub Macmillan 1979 p57 and my article in IEEE Trans Comp. EC-16 (1967) pp747 etc contain numerous photographs of the TEM wave. In the Macmillan book, the multiple appearance of Z_0 on page 95 in the table of electrical formulae shows its central role in digital design and electromagnetic theory. Note also that Einstein said that special relativity is based on electromagnetism. (Note 6, p193.)

(3sep91 special comment for Australia. This discovery of B Wallace's role is my attempt to upstage a number of very good "Aussie specials" describing the biter bit. BM and HC seem to specialise in finding men who

icafHcc

Ivor Catt, 25aug91

page 4

bite their own tails. cf Korn (sp?) and others. - with regards from Ivor.
If you lived on the moon, would you still expect your mail to come by special hi cost messenger? Why don't you live near London, like dedicated people? - IC. We have a few kangaroos on show at Whipnade, and a lot more good symphony concerts.)