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#### *About the Institute*

The Hunt Institute for Botanical Documentation, a research division of Carnegie Mellon University, specializes in the history of botany and all aspects of plant science and serves the international scientific community through research and documentation. To this end, the Institute acquires and maintains authoritative collections of books, plant images, manuscripts, portraits and data files, and provides publications and other modes of information service. The Institute meets the reference needs of botanists, biologists, historians, conservationists, librarians, bibliographers and the public at large, especially those concerned with any aspect of the North American flora.

Hunt Institute was dedicated in 1961 as the Rachel McMasters Miller Hunt Botanical Library, an international center for bibliographical research and service in the interests of botany and horticulture, as well as a center for the study of all aspects of the history of the plant sciences. By 1971 the Library's activities had so diversified that the name was changed to Hunt Institute for Botanical Documentation. Growth in collections and research projects led to the establishment of four programmatic departments: Archives, Art, Bibliography and the Library.

THE PENNSYLVANIA STATE UNIVERSITY  
DEPARTMENT OF GEOSCIENCES  
PALYNOLOGICAL LABORATORIES  
435 DEIKE BUILDING  
UNIVERSITY PARK, PA 16802, USA  
Phone: (814)863-3419; Fax: 814-863-7823

2 December, 1993

Dr. Phil Holmes  
243 Christchurch Ave.  
Wealdstone, Harrow, Middlesex HA3 5BA  
UK

Dear Phil:

We just got back from a trip to England, where I attended the gala for Bill Chaloner. While there I told him that we had given you up for lost. However, on our return we found your letter and package dated 17 October in the mail! The problem is that you sent it surface mail.

We had already done the proofing and sent off to CUP our findings. They agree, re typos, etc., closely with what you found. I had already written CUP about the non-italicization, etc., in Table 2.1, but I missed the error bars in Fig. 2.2. We conclude that somehow we had in Frankfurt an incorrect version. Frankly, we just can't explain what happened. We are also somewhat confused by the problems with Table 1. The version you sent with your letter shows the italicization and little reference numbers all right, but it is different in other respects. For example, just at a glance I note that there are at least two species in the version now in your chapter that are not in the version that you just sent: Betula pendula and Pinus cembra. CUP can hardly provide the ref. nos. for them because they don't have them. I conclude that we must have, at some stage, received a version of the table from you with the additional species but no ref. nos. In any event, you should provide the nos. to CUP or let them know that for those the nos. can be omitted. I note that there are also differences in the data. Corylus avellana in the version you just sent is lacking numbers that are in the version in the present proof of your chapter. I think you had added those nos. at some stage. If you want to go back to the abbreviated version, you should so inform CUP (Susan Bowring, Edinburgh Bldg., Shaftesbury Road, Cambridge etc.) There also is a serious problem in that two of the refs. in the caption to the table (nos. 2 & 9) are not reflected by presence of those nos. in the table. I am enclosing a xerox of both versions of the table, so that you can check. CUP have also discovered that in Fig. 2.6 you ref. "Hirons 1988," but have no such biblio ref. It must be added. Because of the time situation, please deal directly with Ms. Bowring, with a copy to me.

Glad to learn that you're not, as the Germans say, "verschollen."

All the best.

Yours very truly,

Alfred Traverse

cc:WGC, CUP  
enclosure

THE PENNSYLVANIA STATE UNIVERSITY  
DEPARTMENT OF GEOSCIENCES  
PALYNOLOGICAL LABORATORIES  
435 DEIKE BUILDING  
UNIVERSITY PARK, PA 16802  
Phone: (814)863-3419; Fax: 814-863-7823

1 November, 1993

Phillip L. Holmes  
243 Christchurch Ave.  
Wealdstone, Harrow, Middlesex  
HA3 5BA, UK

Re: Page proofs for Sedimentation of Organic Particles

Dear Phillip:

Unfortunately we haven't heard from you and can't do anything but work on your page proofs as best we can.

Betty and I have proof-read the entire book, using the only method that really works: one person (Betty) reading aloud from the typescript as submitted, the other person (AT) following each word of the typesetters' proof with a ruler. I believe we have caught all errors.

The only really major problem is re your Table 1 (in the book known as Table 2.1). The names aren't italicized, presumably because we sent them your original table, rather than re-typing it according to CUP specifications, which require that all material to be italicized in the final version be underlined (not italicized!) in the typed version--yours were (not unreasonably!) italicized in the typed version. Our instinct is to let it go, because a total redo would introduce still other errors. However, we have added the genus name Pinus to the first entry of this genus in your list; otherwise, "P." would not be understandable.

All has now gone off to CUP, and we await the next development (for us probably the index and the final proofs; for you, the book itself). Thanks very much for your patience and encouragement.

Please let us know right away if your address is not correct. CUP would also like to know your "affiliation." Hope all is o.k. with you!

Yours very truly,

Alfred Traverse

AT/et

P. Holmes  
243 Christchurch Ave  
Wealdstone  
Harrow  
Middx  
HA3 5BA

Prof. Al Traverse  
Palynological Laboratories,  
Dept of Geoscience  
Pennsylvania State University  
University Park  
PA 16802

*(but not received  
until 29 Nov.)*

17th October 1993

Dear Al,

Please find enclosed the corrected proofs for my chapter of the book. I have uncovered a few minor typographical errors in the text which shouldn't cause a problem. However there are a couple of other more serious errors. The first of these is in Table 1. After Martin Farley's review I sent an updated table to you. In the body of this table each figure was succeeded by a superscript cross reference to the legend. This made it possible for the reader to identify the source of the data. The table in the proof copy has the reference in the legend but not the body. I have enclosed an old copy of the table for comparison.

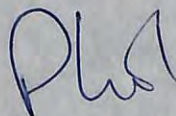
In a similar vein figure 2.2 was updated to include a new data point and more importantly, error bars. Again the legend refers to the error bars but they are missing from the figure. I have enclosed the best copy of the updated figure that I could find.

In theory neither of these should be too problematical to correct as neither change will affect the size or placement of the figures.

I am glad to see that it is finally coming together after all of your hard work. It will be pleasure to see the finished item next year.

Hope all is well on your side of the pond.

Yours



Phil Holmes

encl.  
1st Page proofs  
copy of Table 1  
copy of Figure 2.2

*- Al - I haven't completed  
checking of refs so that  
deadline could be met  
- I couldn't see any  
glaring errors tho'!*

243 Christchurch Avenue  
Wealdstone  
Harrow  
Middlesex  
HA3 5BA

Forschungsinstitut und Naturmuseum Senckenberg  
Palaeobotanische Sektion  
Senckenberganlage 25  
6000 Frankfurt  
A.M. 1  
Deutschland

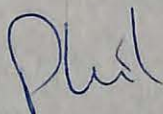
1 April 1992

Dear Al,

Good to here from you again. My current address for all mail is as given above. My time ran out at the Polytechnic and I am now working as a lecturer teaching computer software. I'm trying to carry on with research in my spare time but it must be said that this is proving difficult at the moment. Especially with my wife being five months pregnant!

Thanks for all the work that you have put in to producing the book, do you have any idea of a publication date? Will you be coming across to the UK while you are this side of the Atlantic?

Yours



Phil Holmes

**POLYTECHNIC OF EAST LONDON**  
(formerly North East London Polytechnic)



Bursary  
Bursar: Mr E Wood

Romford Road  
Stratford  
London E15 4LZ  
Tel: 01-590 7722 Ext  
Fax: 01-519 3740

FAX MESSAGE SHEET

DATE 10/12/91 NUMBER OF PAGES (INCLUDING MESSAGE SHEET) 1

FOR THE ATTENTION OF Dr. Alfred Traverso  
COMPANY/ORGANISATION Biological Science - Penn State  
FAX NUMBER 0101 814 863 7823

FROM Dr. Phil Holmes  
DEPARTMENT Environmental Sciences

SPECIAL INSTRUCTIONS

... This problem is due to the strange way that  
... I originally plotted my results!  
... There is a decrease in the inverse deposition rate  
... It will probably read <sup>more</sup> clearly as:  
... There is an increase in the deposition rate

... Sorry for the confusion, when does it go  
... to press?

... All the best for Christmas & the New Year  
... - Phil Holmes

IF ALL PAGES ARE NOT SATISFACTORILY RECEIVED PLEASE TELEPHONE  
081 590 7722 EXTENSION 4044/4045.



The Pennsylvania State University  
Department of Geosciences  
503 Deike Building  
(814) 863-7823 [FAX]  
Date: 9-XII-91

Marked here if urgent reply is requested.

**Fax Transmission to:**

Name: Dr. Phillip Holmes  
Company/Institution: Polytechnic of East London  
Department: Biological Science  
Fax Number: 44 ~~81~~ 519 3740  
Phone Number: 44 81 519 3740

**Transmission from:**

Name: Dr. Alfred Traverse  
Phone Number: 814-863-3419


**Total Number of Pages (Including Cover Page):** 1

**Message:**

Dear Phil:

We're doing a final check of all MSS for the book. I picked up that in your section, "The effect of bed material on sporomorph deposition", the paragraph beginning "When a medium grain sized sand was used....," the next sentence originally (e.g. version of 20 Sept. 89) read "The results from those experiments also show an increase...." In the most recent (diskette) version, however, it reads "a decrease"! This doesn't make sense, and I've restored "an increase." The next sentence, "The increase...." only works, if previous sentence says the same thing. Please fax back if I'm wrong; otherwise I'll just edit the paragraph to say "increase."

Best,

  
Alfred Traverse

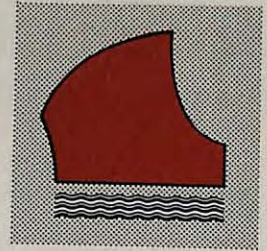
\*If any portion of this transmission is unclear, please call \_\_\_\_\_.

# POLYTECHNIC OF EAST LONDON

(formerly North East London Polytechnic)

Palynology Research Unit  
Head: Professor M C Boulter PhD FGS

Romford Road  
London E15 4LZ  
Tel: 01-590 7722 Ext  
Fax: 01-519 3740



Dr A. Traverse  
The Pennsylvania State University,  
Department of Geosciences,  
Palynological Laboratories,  
435 Deike Building.  
University Park PA 16802.

*done*

22th May 1991

Dear Al,

The new references could go in two places in the text. However, the second of these creates a rather unwieldy sentence. I am therefore only going to cite them once, the page that needs changing is enclosed.

At the point marked "a" on this page insert the following:-  
Similar results have been reported from glacio-lacustrine sediments in Alaska (Goodwin, 1988) and braided stream deposits adjacent to the Caribou River in Yukon (Catto, 1985).

I have marked a few minor alterations on the enclosed page. Hope this is to your satisfaction, the references that need to be added are:-

Goodwin R.G. (1988): Pollen taphonomy in Holocene glaciolacustrine sediments: a cautionary note. *Palaios*, v.3, p.606-611.

Catto, N.R. (1985): Hydrodynamic distribution of palynomorphs in a fluvial succession, Yukon. *Canadian Journal of Earth Sciences*, v.22, p.1552-1556.

Luckily these are not from old, obscure Polish journals so there should be no problems with them! Hope all goes well for you.

Yours

Phil Holmes

encl: PID of MS.

THE PENNSYLVANIA STATE UNIVERSITY  
DEPARTMENT OF GEOSCIENCES  
PALYNOLOGICAL LABORATORIES  
435 DEIKE BUILDING  
UNIVERSITY PARK, PA 16802  
Phone: (814)863-3419; Fax: 814-863-7823

7 May, 1991

Dr. Phil Holmes  
Dept. of Biological Science  
Polytechnic of East London  
Romford Rd.  
London E15 4LZ, U.K.

Dear Phil:

Yours of 18-IV-91 in hand. In the meantime you will have received a xerox of the dread Dyakowska ref.

Now about the additional <sup>refs. They</sup> info--~~this~~ should go in, but that requires that they also be mentioned in the text. So, send xeroxes of pages with changed sentences, along with the references thereto.

All the best.

Yours very truly,

Alfred Traverse

AT/et

THE PENNSYLVANIA STATE UNIVERSITY  
DEPARTMENT OF GEOSCIENCES  
PALYNOLOGICAL LABORATORIES  
435 Deike Building  
University Park, PA 16802  
phone: 814-863-3419  
fax: 814-863-7823

29 April, 1991

Dr. Phil Holmes  
Dept. of Biological Science  
Polytechnic of East London  
Romford Rd.  
London E15 4LZ, U.K.

Dear Phil:

Enclosed a present. We have taken the liberty of making the necessary corrections in your biblio.

The volume was buried in the annex (= cellar below the cellar) of the PSU library all the time. The computer "card file" could not be coaxed into openly admitting its presence, but when I tried on a hunch "Akademija Uniejtnosc:, Krakow" it worked! Another interesting footnote--the pages of the article had never been cut open.

Best.

Yours very truly,

Alfred Traverse

AT/et  
encl: xerox of dread Dyakowska articlee



Palynology Research Unit  
Head: Professor M C Boulter PhD FGS

Romford Road  
London E15 4LZ  
Tel: 01-590 7722 Ext  
Fax: 01-519 3740

Dr A. Traverse  
The Pennsylvania State University,  
Department of Geosciences,  
Palynological Laboratories,  
435 Deike Building.  
University Park PA 16802.

18th April 1991

Dear Al,

At last I have the full and correct version of the Dyakowska reference. The British Library sent a photocopy of the paper but even that didn't have the reference on it! However our librarian badgered them a bit more and they supplied us with the full version of the journal title.

Bulletin international de l' Académie polonaise des sciences et des sciences et des lettres. [Classe des sciences mathématiques et naturelles.] Série B.

Our catalogue lists Série B as the "Sciences naturelles" (Série A being the "Sciences mathématiques") so in theory you can leave out the sentence in square brackets above. The correct abbreviation (just in case you ever want to use it) is "Bull. int. Acad. pol. Sci. Lett."

As far as the date goes 1937 is the correct publication date as under the title it states "presente le 7 decembre 1936". The title that you have already is correct, the paper is written in English albeit in a faltering style. Hope this helps.

I have recently come across two more papers that have a bearing on my chapter. I don't think my text needs changing to accommodate them although obviously I could do so. I do think that they should appear in the reference list for the sake of completeness.

Goodwin R.G. (1988): Pollen taphonomy in Holocene glaciolacustrine sediments: a cautionary note. *Palaios*, v.3, p.606-611.

Catto, N.R. (1985): Hydrodynamic distribution of palynomorphs in a fluvial succession, Yukon. *Canadian Journal of Earth Sciences*, v.22, p.1552-1556.

Yours

Phil Holmes

THE PENNSYLVANIA STATE UNIVERSITY  
DEPARTMENT OF GEOSCIENCES  
PALYNOLOGICAL LABORATORIES  
435 Deike Building  
University Park, PA 16802  
phone: 814-863-3419  
fax: 814-865-3191

25 March, 1991

Dr. Phil Holmes  
Dept. of Biological Science  
Polytechnic of East London  
Romford Rd.  
London E15 4LZ, U.K.

Dear Phil:

Thanks for your interesting letter of 1 March 91. We must get the original paper for Dyakowska somehow. I am also trying on this end. The info on the figure seems clear enough that we should be able to get it right.

Best wishes.

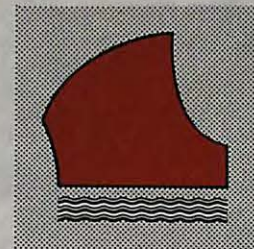
Yours very truly,

Alfred Traverse

AT/et

Palynology Research Unit  
Head: Professor M C Boulter PhD FGS

Romford Road  
London E15 4LZ  
Tel: 01-590 7722 Ext  
Fax: 01-519 3740



Dr A. Traverse  
The Pennsylvania State University,  
Department of Geosciences,  
Palynological Laboratories,  
435 Deike Building.  
University Park PA 16802.

1st March 1991

Dear Al,

The first stage in tracking down the full version of the Dyakowska reference has given a nearly complete answer. I have the reference page (enclosed) of another article that refers to it. This is more accurate than my reference but still not complete. I also have a page from Dyakowska's paper (enclosed); the article was in English albeit a little rickety. The library here is still trying to track down the complete article for me.

The figures are a little more complicated. Of the versions that you have Figure 1 should be taken from the set sent to you on Sept. 20th 1989. Figures 2-10 should be taken from the original set that you received but the numbering should follow that on the copies sent on Sept. 20th 1989 as some of the original figures had been removed. The text that accompanies each figure should also be taken from my letter of Sept. 20th 1989. I think that covers it !

A brief note on nomenclature: having now attended the meeting at Kew I have begun to understand some of your earlier comments. Neobotany really is in a nomenclaturally bad way, I'm glad it's not my problem! Hopefully a report on that meeting will appear in the next IOP newsletter (this assumes that I find time to write it).

Hope all goes well for you now,

Yours

A handwritten signature in blue ink that reads 'Phil'.

Phil Holmes

THE PENNSYLVANIA STATE UNIVERSITY  
DEPARTMENT OF GEOSCIENCES  
PALYNOLOGICAL LABORATORIES  
435 Deike Building  
University Park, PA 16802  
phone: 814-863-3419; fax: 814-865-3191

4 February, 1991

Dr. Phil Holmes  
Dept. of Biological Science  
Polytechnic of East London  
Romford Rd.  
London E15 4LZ, U.K.

Dear Phil:

Yours of 21 January 91 just in. (I guess we're being compelled to use fax if we really want quick communication! This time it doesn't matter much.)

Para. 3. It is a relief to know that none of the figures is (does the UK dialect treat "none" as plural?) a problem.

Re the improved Dyakowska ref. asked for in mine of 6 Jan.--the delay doesn't matter, but don't forget to straighten this out. Be sure to address the 1-2-3 questions in my letter.

In the meantime, I also wrote you on 21 January! The only new ground covered was in para. 4, re versions of figures--I need an answer about that. (Apparently you can ignore the figure-permission bit.)

All the best.

Yours very truly,

Alfred Traverse

AT/et

Palynology Research Unit  
Head: Professor M C Boulter PhD FGS

Romford Road  
London E15 4LZ  
Tel: 01-590 7722 Ext  
Fax: 01-519 3740



Dr. A. Traverse  
The Pennsylvania State University,  
Department of Geosciences,  
Palynological Laboratories,  
435 Deike Building.  
University Park PA 16802.

21st January 1991

Dear Al,

I have replies to several of your letters here, including one from Mike Boulter, I will try to keep each subject separate and in chronological order.

I have two letters dated 30 December from you, the first refers to the Kew Meeting. I am sorry you cannot attend, I hope you find 1991 better than 1990!

Your second 30 December letter refers to two topics. On the subject of figures, none of the figures from my first paper are re-used in the book chapter. The only similar one, that of Silwood Lake, was completely redrafted for the book chapter. The version that you have is also much more accurate as it was not as rushed as the first.

The second part of this letter is with regard to my nomenclatural worries. Part of the reason for my worrying, as I mentioned in my letter dated 26 November, is the abundance of 'holes' in our data set. What I failed to mention was that we do not have the time to fill the holes (from Jansonius and Hills etc.) before the NCU deadline; they are too numerous. I therefore do not want to have our list sanctioned in its present state, a complete list would be a different story.....

Moving on to your note of 2 January, I really must buy a white hat! Your 6 January letter is more of a problem. The reference you need help on I only have pieces of, untidy I know but I only wanted the numbers at the time. I cannot therefore be both prompt and accurate in reply. I have put in a request with the library here for a complete copy. They usually take two or three weeks, as soon as I have the information I shall fax it to you. I hope this isn't too much of a delay.

The card enclosed is a reply from Mike with the answer to your question written on the base.

That's all for now, I really should reply to your letters as they come in, its less confusing!

All the best,

*Phil Holmes.*

Phil Holmes.

THE PENNSYLVANIA STATE UNIVERSITY  
DEPARTMENT OF GEOSCIENCES  
PALYNOLOGICAL LABORATORIES  
435 Deike Building  
University Park, PA 16802  
phone: 814-863-3419; fax: 814-865-3191

21 January, 1991

Dr. Phil Holmes  
Dept. of Biological Science  
Polytechnic of East London  
Romford Rd.  
London E15 4LZ, U.K.

Dear Phil:

Your book MS gives me pleasure, because it is in so nearly final shape.

We do have a few problems you should address asap. Presumably you have mine of 6 Jan. re the Dyakowska ref.--we must get that straightened out, since Cambridge UP insists on complete references. I tried to solve the problem here but failed. I just don't have it or reference to it.

I'd also like to address again the question raised in my (longer of two) letter to you of 30 Dec. 90. If the figures in the chapter are the same as in the Pal. Pal. paper, we'll have to go through the formality of getting Elsevier's permission. If you could do that, as author, it would be easier and very helpful. I enclose a copy of the form letter from Cambridge UP, in case you have misplaced the one I sent you long ago along with the instructions to authors.

Re figures--are we going with the versions I got in Sept., 1989?--cf. your letter to me of 20.IX.89.

All the best to you.

Yours very truly,

Alfred Traverse

AT/et  
encl: form for permission letter

E10

THE PENNSYLVANIA STATE UNIVERSITY  
DEPARTMENT OF GEOSCIENCES  
PALYNOLOGICAL LABORATORIES  
435 Deike Building  
University Park, PA 16802  
phone: 814-863-3419; fax: 814-865-3191

6 January, 1991

Dr. Phil Holmes  
Dept. of Biological Science  
Polytechnic of East London  
Romford Rd.  
London E15 4LZ, England, U.K.

Dear Phil:

In connection with reconciling your book chapter MS with requirements of Cambridge UP, we have had to write out in full all bibliographic references. Enclosed is page with an entry by Dyakowska, the ref. for which we can't figure out (not in Erdtman's or Manten's biblios.).

1. Could you please supply a complete reference?
2. Also, the title of the article sounds like a very awkward translation from Polish (?). Is this really the title?
3. Is the article in Polish or English?

Thanks very much for your prompt reply.

Best wishes.

Yours very truly,

Alfred Traverse

AT/et  
encl: draft page from MS

THE PENNSYLVANIA STATE UNIVERSITY  
DEPARTMENT OF GEOSCIENCES  
PALYNOLOGICAL LABORATORIES  
435 Deike Building  
University Park, PA 16802  
phone: 814-863-3419; fax: 814-865-3191

30 December, 1990

Dr. Phil Holmes  
Dept. of Biological Science  
Polytechnic of East London  
Romford Rd.  
London E15 4LZ, England, U.K.

Dear Phil:

Yours dated 26 November somehow managed to come during end-of-semester chaos here and has just surfaced. Many thanks for the reprint of "Differential transport...." I haven't got around to checking the figures as to whether any is identical to the ones in your book chapter. If so, we'll have to go through the procedure of requesting Elsevier's permission to re-use. It's no real problem, but they're sticky.

Now, re nomenclature. I found your comments most interesting. At the generic level, for spores/pollen I believe that between Jansonius' cards and my updated list, you'd be 99+% complete. Dinoflagellate names I would think could be fairly complete from Lentin & Williams, plus personal lists that I presume Stover and others in the oil industry have. Incidentally, it could certainly be argued that dinoflagellates are not plants. But of course fungi are certainly not plants, yet are covered by ICBN.

Now, as to chaos. Believe me, fossil plant names are in no worse shape than any other group. However, I am not at all sure that we wouldn't be better off in botany having a commission that simply rules on difficult questions, instead of depending on "democratic" procedures. Ultimately I also find the idea of lists of sanctioned names rather satisfying. After all, the long list of conserved names in ICBN is just such a list! Works fine, but doesn't belong any more in the Code! Take it and publish it as a volume of conserved names, and you're well on your way to (20?) volumes of sanctioned names.

All the best to you for 1991.

Yours very truly,

Alfred Traverse

AT/et

THE PENNSYLVANIA STATE UNIVERSITY  
DEPARTMENT OF GEOSCIENCES  
PALYNOLOGICAL LABORATORIES  
435 Deike Building  
University Park, PA 16802  
phone: 814-863-3419; fax: 814-865-3191

30 December, 1990

Dr. Phil Holmes  
Dept. of Biological Science  
Polytechnic of East London  
Romford Rd.  
London E15 4LZ, England, U.K.

Dear Phil:

Thanks for yours of 13 December. We are making the additions to your MS, including the full reference.

Glad to hear that you could use my NCU material--that was a hellish job, as you are probably aware.

Re the Kew meeting, you can be the first to know (and please tell Bill C.) that I can't make it. 1990 has not been a good year, and I must stay here and try to recoup!--with the book project, for example.

All the best.

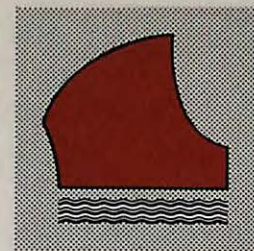
Yours very truly,

Alfred Traverse

AT/et

Palynology Research Unit  
Head: Professor M C Boulter PhD FGS

Romford Road  
London E15 4LZ  
Tel: 01-590 7722 Ext  
Fax: 01-519 3740



*Please make these  
changes and get the  
letter back to me*

Dr. A. Traverse  
The Pennsylvania State University,  
Department of Geosciences,  
Palynological Laboratories,  
435 Deike Building.  
University Park PA 16802.

13th December 1990

Dear Al,

At last I have a copy of the Jemmett and Owen reference. The following can therefore be added to page 14, section 6.7 ('Velocities at which sorting occurs'). The last but one sentence should be changed to:

The addition of sediment to a liquid will aid the settling of sporomorphs during centrifugation (Jemmett and Owen, 1990).

The full reference is:

Jemmett, G. and Owen, J.A.K. (1990): Where has all the pollen gone? Review of Palaeobotany and Palynology, v.64. p.205-211.

We received your NCU job last week. Many thanks for that. I shall be plugging the data into the list over the Christmas period. Have you made a decision on the Kew meeting next February yet? It would be good to see you there.

All the best,

*Phil Holmes*

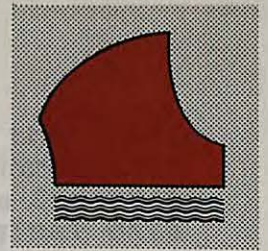
Phil Holmes.

# POLYTECHNIC OF EAST LONDON

(formerly North East London Polytechnic)

Palynology Research Unit  
Head: Professor M C Boulter PhD FGS

Romford Road  
London E15 4LZ  
Tel: 01-590 7722 Ext  
Fax: 01-519 3740



Dr. A. Traverse  
The Pennsylvania State University,  
Department of Geosciences,  
Palynological Laboratories,  
435 Deike Building.  
University Park PA 16802.

26th November 1990

Dear Al,

I thought you might like a copy of this, my first refereed paper. It finally made it into print earlier this month. I have not seen the current issue of Rev. Pal. Pal. so I have not yet checked for the Jemmet and Owen reference. I have not seen it elsewhere.

Since your last letter I have not had the opportunity to look up your queries in a library (the library at the Polytechnic does not stock any palynological/palaeobotanical literature, both Mike and myself now rely on libraries in London). It is probably safe to assume that your latest comments are correct, I should get to a library within a week, I will let you know if my sources give contradictory information to yours.

I think your 'nit-picking' has been an extremely useful lesson for me. It is definitely a weak point of mine, however I find it a lot easier to find fault with other peoples work than I do my own. The database project is most certainly a challenge in this respect and I am constantly finding errors in the data that we have been given. With the volume of data involved and the timescale that has been set however I will not catch all of the mistakes before we make the first version available. The maleable nature of the magnetic medium means that successive versions will have fewer errors; updating computer discs in this respect is cheaper than updating libraries.

With regard to the names in current use project, many thanks for soldiering on with the list. I have informed Ellen Farr at the Smithsonian that I will be sending the fossil data back late, she has not replied to this as yet. This means that you are not continuing in vain, I will wait until your assessments have arrived before I return the data. The Smithsonian are going to print the draft NCU lists for the project. I have been discussing the concept of a list for the fossil plants with several people and would be

glad to have your opinion. The more I have worked with the data, the more 'holes' I find. The missing spore and pollen names that you note are not alone. We only appear to have half of the dinocyst genera, and less than half of the algal names. The original data from ING does not include names from the last eight years.

For macrofossils we can cover most of the pre-1982 names by reading the Andrews/Blazer and Watt generic lists. In several groups our assessors have also been helpful in providing post-1982 names. The problem for microfossils is more acute. The number of new microfossil genera created in the last eight years exceeds the number of new macrofossil genera by a disproportionate amount. We have no rapid means of incorporating these.

The idea of having a list of all names is, in itself, an extremely useful one. I worry about the thought that it may become a sanctioned list. The initiative for this list comes from the neobotanists, who have a pressing need for it (especially in mycology). I feel it is a good idea for palaeobotanists to keep in step with them, this makes the boundary between the two sets of data less distinctive. Fossil plants have often been set aside as 'a special case' in the ICBN, for very practical reasons, I would prefer they were not considered thus but feel that we may not have the impetus to follow neobotany down the NCU route. Do you think a compromise would be possible? What would be the result of including macrofossils in the list but excluding microfossils?

The reason for my worry is a simple one. In the past many palynologists who disagree wholly or partly with the code have ignored it to a greater or lesser extent. This has led to a certain amount of chaos within the palynological literature. If we create these lists in the face some of the disagreement that I have already encountered my fear is that it will result in greater chaos. The inclusion of a name on the list is subjective and depends upon whether assessors stick to the letter or the spirit of the code. We cannot simply put everything on the list as this would then sanction many names that are completely unusable. We cannot also guarantee that all names will make it onto the list, thus many useful names could be temporary lost.

Another of my weak points is nomenclature and taxonomy, as I am a geologist who has wandered into palynology via taphonomy. This project is thus improving my abilities in two worthwhile areas!

All the best,

*Phil.*

Phil Holmes.

cc. W.G. Chaloner

THE PENNSYLVANIA STATE UNIVERSITY  
DEPARTMENT OF GEOSCIENCES  
PALYNOLOGICAL LABORATORIES  
435 Deike Building  
University Park, PA 16802  
phone: 814-863-3419; fax: 814-865-3191

26 November, 1990

Dr. Phil Holmes  
Dept. of Biological Science  
Polytechnic of East London  
Romford Rd.  
London E15 4LZ, England, U.K.

Dear Phil:

Here at last is the NCU/PFR job! You will realize that I checked my generic file and the J&H cards for all, in some instances other literature. My pronouncements deal with validity of publication and the like. Many of the names shown by a checkmark as "OK" are nevertheless worthless!

It appears to me that none of the lists is complete. I note many Cenozoic generic names not there, for example, Triangulopolles.

Why are some items "spore," others "spore-pollen," others "pollen," without always a connection to the reality? Cladaitina is pollen. I have noted a few cases where the classification is clearly wrong. Why not say "spore/pollen" (defined to exclude megaspore) or "miospore"?

Best wishes all around.

Yours very truly,

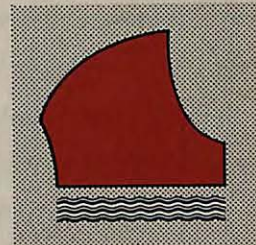
Alfred Traverse

AT/et  
encl: NCU/PFR "job"

**POLYTECHNIC OF EAST LONDON**  
(formerly North East London Polytechnic)

School of Science  
Acting Head: P Dye MSc

Romford Road  
London E15 4LZ  
Tel: 081-590 7722 Ext  
Fax: 081-519 3740



Dear Al,

11/9 90

obviously my brain needs an overhaul as well,  
here are the two versions of the table mentioned  
in my letter of 10/9.

- Phil

With Compliments

THE PENNSYLVANIA STATE UNIVERSITY  
DEPARTMENT OF GEOSCIENCES  
PALYNOLOGICAL LABORATORIES  
435 Deike Building  
University Park, PA 16802  
phone: 814-863-3419  
fax: 814-865-3191

30 October, 1990

Dr. Phil Holmes  
Dept. of Biological Science  
Polytechnic of East London  
Romford Rd.  
London E15 4LZ, England, U.K.

Dear Phil:

Yours of 17.X.90 with diskette is in. Many thanks for the diskette--and in WP too! It will help.

It is interesting that you are currently working as a bibliographer. (Reminds me to tell you I spend 1-2 hours every day on "the list" and am still only to "M.") It's interesting because that sort of nit-picking is clearly not one of your stronger points, though you have many!

You did not comment on the xerox part of my letter, of which I enclose another copy. We have inadvertently discovered a serious error in Pollen et Spores! That was the source of my difficulty. In the meantime I refused to believe the new computer catalog of the PSU library system that INQUA VII Congress Proceedings volume was not here, and I found it by brute looking on the library shelves. (I actually recalled seeing it, in the bad old days of a card catalog.) However, you still had the pagination wrong--it's 143-173, and New Haven is two words, as I said in my letter of 24 September (penned in at end of para. 2--maybe didn't fax?).

Erdtman has only one 'n' (cf. para. 4 of your letter). You're really stubborn about that one--ha!

Matthews in your MS has two 'ts.' In your letter you use one--I'll assume two is correct unless you correct me.

Let's keep an eye out for the Jemmet & Owen reference in Rev. Pal. Pal.--hasn't showed up here yet.

All the best.

Yours very truly,

Alfred Traverse

AT/et

THE PENNSYLVANIA STATE UNIVERSITY  
DEPARTMENT OF GEOSCIENCES  
PALYNOLOGICAL LABORATORIES  
435 Deike Building  
University Park, PA 16802  
phone: 814-863-3419  
fax: 814-865-3191

23 October, 1990

Dr. Phil Holmes  
Dept. of Biological Science  
Polytechnic of East London  
Romford Rd.  
London E15 4LZ, England, U.K.

faxed to: 44 81 519 3740

Dear Phil:


A few weeks ago, my mother fell, broke her hip, was operated on, and last week she died. I had to make several trips to the Midwest, and am just now back from her funeral, etc. Bill Chaloner and Mike Boulter have suffered through a lot of this with me, and you might tell them for me that this episode in my life is now ended.

I am now back in harness and am working on the book and NCU projects.

I hope you aren't mad at me about the biblio for your chapter. It did seem to me to have evidence of needing a careful check. I look forward to hearing more.

All the best.

Yours very truly,



Alfred Traverse

AT/et



Palynology Research Unit  
Head: Professor M C Boulter PhD FGS

Romford Road  
London E15 4LZ  
Tel: 01-590 7722 Ext  
Fax: 01-519 3740

Dr. A. Traverse  
The Pennsylvania State University,  
Department of Geosciences,  
Palynological Laboratories,  
435 Deike Building.  
University Park PA 16802.

17th October 1990

Dear Al,

As requested I have been checking through the reference list to my paper. Wherever possible I have excavated the original paper, where I could not do this I have had to rely on 'second-hand' information from other peoples reference lists.

The main query that you have (Davis vs Davis) is more fun than you think. Not only are there two Davis's both publishing papers about lakes and both in the same year, they also both have papers in the same volume! As you have surmised the volume involved is INQUA volume 7, the title on the spine and flag page of the book however is 'Quaternary Palaeoecology'. The full reference should, I suppose, be:-

QE696-155  
Davis, R. B. (1967): Pollen studies of near surface sediments in Maine Lakes. In Quaternary Palaeoecology (volume 7 of the proceedings of the VII Congress of the International Association for Quaternary Research). Eds. Cushing, E.J. and Wright, H.E. pp143-176. Newhaven and London, Yale University Press.

(3)  
The Erdtmann reference is indeed Chronica Botanica Waltham Mass.

Other corrections:

Berglund, 1973, pagination is 117-129; Bradshaw and Webb 1985, the journal is Ecology, not J1. of Ecology; Crowder and Cuddy 1973, pagination is 61-78; Hopkins 1950, see Bradshaw and Webb above; Jannsen 1973, pagination is 31-42; Mathews 1969, the pagination is 161-166 not 166-187.; McCully et al 1956, pagination is 1512-1516; Peck 1973, pagination is 43-60; Pennington et al 1972, pagination is 191-294.; Tauber 1967a, volume reference should read the same as that for R.B. Davis, pagination is 131-142.; van der Knaap - your pagination is correct (!) I have a feeling that he may have written two similar papers and I have mixed the references (hence the different pagination on my copy). The full reference should read: Knaap, W. O. van der (1988): Deposition of long distance

transported pollen and spores since 7900 B.P. studied in peat deposits from Spitsbergen. Pollen et Spores, v30, p409-416; Webb 1974, see Bradshaw and Webb above.

On this disc you will have found several other documents, two of these (travppr.wp and trpprref.wp) are the word perfect versions of the paper and references. I should point out that these are taken from my most up-to-date computer copy, dated April 1990. I believe that this is also the copy that you are working from. I have not made any of the changes requested after that date as some of these will be changes that you have made and for which I do not have the details. I assume that you have a list of these. This means that the changes to the references given above have also not been made in the document. I thought it would be easier for one person to make all of the changes rather than two people trying to guess what each other is doing!

I have replaced the codes so that italics remained as such, as has bold and underlining. If you would prefer the generic/specific names to be underlined I have written a wordperfect 'macro' for you. To make the change:-

1. retrieve the document
2. press Alt-F10
3. type a:ital2ul
4. press 'enter'

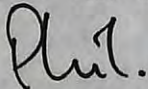
note this assumes that the disc is in drive a: if it is in drive b: then 3 should be b:ital2ul

I do not know what your printer can cope with in terms of mathematical symbols so I have kept them to a minimum. There are 3 left in the document, mu, beta and nu. My programme cannot cope with 'nu' so you will find this twice written as \nu. If you want to swap the mu symbol for the word 'microns' and the beta symbol for the word 'beta' then follow the procedure above but putting 'a:mcrnbeta' in place of 'a:ital2ul'.

Finally, I had three levels in the paper, section, subsection and subsubsection. These are now in bold, double-underlined and underlined respectively.

Hope this all works properly for you if I've forgotten something or it doesn't work, you have the fax number....

All the best,



Phil Holmes.

THE PENNSYLVANIA STATE UNIVERSITY  
DEPARTMENT OF GEOSCIENCES  
PALYNOLOGICAL LABORATORIES  
435 Deike Building  
University Park, PA 16802  
phone: 814-863-3419; fax: 814-865-3191

28 September, 1990

Dr. Phil Holmes  
Dept. of Biological Science  
Polytechnic of East London  
Romford Rd.  
London E15 4LZ, England, U.K.

faxed to: 44-81-519-3740

Dear Phil:

Am working away on the Cenozoic list, per your fax, but the single-spacing makes annotation a bit difficult! It's a hell of a job, to which I can only devote an hour or so a day (when I'm here!). As I write I'm only down to Cornaceipollenites.

Best.

Yours very truly,



Alfred Traverse

*(I tried to get Betty  
to type: "Phaxed" —  
but she refused!)*

AT/et

THE PENNSYLVANIA STATE UNIVERSITY  
DEPARTMENT OF GEOSCIENCES  
PALYNOLOGICAL LABORATORIES  
435 Deike Building  
University Park, PA 16802  
phone: 814-863-3419; fax: 814-865-3191

24 September, 1990

Dr. Phil Holmes  
Dept. of Biological Science  
Polytechnic of East London  
Romford Rd.  
London E15 4LZ, England, U.K.

faxed to: 44-81-519-3740

Dear Phil:

Have just spent a couple of hours on your MS, because some other Phil Holmes hasn't yet responded to a query about a nomenclatural headache I was working on.

Re yours of 10 September--we are getting the problems ironed out:

p. 13. I went ahead and put in the constants--might help somebody. Can't hurt. Thanks very much for providing them.

p. 19. I checked again in library--van der Knapp pp. are definitely 409-416, not as you had them. I checked it thoroughly. How to explain your "photocopy"?--is a proof copy or something? Must be a lesson in there somehow.

p. 21. Isn't it devilish that both Davises did 1967 papers on lakes? In order for the reader not to be sandtrapped as I was, I would add to para. 2 on p. 21, the initials "R.B." at the beginning, viz. "R.B. Davis (1967) studied...."

However, that's not the end of the problem. On p. 28 in your biblio. under Davis, R.B., 1967: I've had major difficulties checking this--our library doesn't have it at all. But it's an incomplete reference in any case, since it needs a publisher (Yale Univ. Press, or whatever?), and page numbers for the particular chapter or article by Davis. Was "paleoecology" really spelled in the British fashion? Was the Cushing H.E. Cushing? Seems as though "E.J." is more likely. Please check all this for me. I enclose copy of an item from Pollen et Spores 1968 bibliography that further worries me--is it M.B. Davis after all? Is it INQUA vol. 7 instead of your reference? Etc.! (Margie Davis has such a short fuse that she'd shoot or sue us both if it really is her paper!) *(also: New Haven was misspelled)*

Table 1 fixed up. I'll accept Populus virginiana--you're the author (at least I got the V. corrected to v.!) )

Have added the Hirons reference.

Maybe, on the basis of the Davis and van der Knaap problems you'd be willing to check the whole biblio. carefully over a lunch hour

soon? Shouldn't Erdtman's book, for example, be *Chronica Botanica*, Waltham, Mass.?

Mentioning our book as "in press" seems o.k. to me. I can't give you a date yet--I even have 2-3 MS out still!

All the best to you and Mike, WGC and other Londoners whom I admire.

Yours very truly,



Alfred Traverse

from Pollen et Spores 10 (1968):p. 726 (Bibliographie):

726

RÉFÉRENCES BIBLIOGRAPHIQUES. (*Pollen et Spores*)

- 8441 — DARRAH, E. L. (1968) — The microstructure of some pennsylvanian seeds and megaspores studied by maceration. *Micropaleontology*, U.S.A., 14, n° 1, p. 97-104, 3 pl.
- 8442 — DARRAH, E. L. (1968) — A remarkable branching *Sphenophyllum* from the Carboniferous of Illinois. *Paleontographica*, B, Allem., 121, n° 4-6, p. 87-101, 11 pl. h.t.
- 8443 — DATTA, R. M., CHOUDHURY, P. C. (1967) — Comparative studies on the rates of pollen tube growth of some species of *Crotalaria* and *Sesbania*. *Biologia*, Bratislava, 22, n° 1, p. 34-38.
- 8444 — DAUMANN, E. (1967) — Zur Blütenmorphologie und Bestäubungsoekologie von *Veratrum album* subsp. *lobelianum* (BERNH.) RCHB. *Oesterr. bot. Z.*, 114, n° 2, p. 134-148.
- 8445 — DAUMANN, E. (1967) — Contribution to flower ecology and distribution of three *Impatiens* species. *Preslia*, 39, n° 1, p. 43-58.
- 8446 — DAVIS, M. B. (1967) — Late-glacial climate in northern United States: a comparison of New England and the Great Lakes region. In « Quaternary Paleocology ». INQUA, vol. 7, Yale University Press, p. 11-43, 3 tabl., 1 carte, 7 diagr.
- 8447 — DAVIS, M. B. (1967) — Pollen studies of near-surface sediments in Maine lakes. In « Quaternary Paleocology » INQUA., vol. 7, Yale University Press, p. 143-173, 8 fig., 3 tabl.
- 8448 — DAVIS, M. B., FAEGRI, K. (1967) — Forest tree pollen in South swedish peat bog deposits, by L. von POST (translation). *Pollen et Spores*, 9, n° 3, p. 375-401.
- 8449 — DAVIS, T. A. (1967) — Stamen number and pollen size in levo- and dextro-rotatory flowers of *Bombacaceae*. *Rev. Palaeobotan. Palynol.*, 3, n° 1-4, p. 133-139, 4 fig., 4 tabl.
- 8450 — DAVLIANIDZE, M. F. (1965) — Morphologie des spores des représentants caucasiens du genre *Druonteris* Adans. (En russe, résumé en

AT/et



Dr. A. Traverse  
The Pennsylvania State University,  
Department of Geosciences,  
Palynological Laboratories,  
435 Deike Building,  
University Park PA 16802.  
Faxed to: 814 865 3191

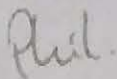
24th September 1990

Dear Al,

In reply to your fax of Sept. 21st:

The Tertiary B-Z list was considerably longer than the others. In cases such as this we have been 'scrimping' on the paper and have only printed the names. If you need the author and reference then let me know and I will send them to you (given a day to print it !). For the NCU list we only need a judgement on the generic name. The end of September deadline is flexible, the main problem with late returners is that I will have less time to key in all of the data.....

Yours,



Phil Holmes

THE PENNSYLVANIA STATE UNIVERSITY  
DEPARTMENT OF GEOSCIENCES  
PALYNOLOGICAL LABORATORIES  
435 Deike Building  
University Park, PA 16802  
phone: 814-863-3419; fax: 814-865-3191

21 September, 1990

Dr. Phil Holmes  
Dept. of Biological Science  
Polytechnic of East London  
Romford Rd.  
London E15 4LZ, England, U.K.

*Boulton's card range 01?*

faxed to: 44-81-519-3740

Dear Phil:

Am working on the NCU lists. Permian list checked, am now doing Paleozoic list. However, I don't understand the "Tertiary" B-Z list--no author names, etc. Presumably that means some sort of different treatment?

Please advise at once.

Yours very truly,



Alfred Traverse

AT/et

THE PENNSYLVANIA STATE UNIVERSITY  
DEPARTMENT OF GEOSCIENCES  
PALYNOLOGICAL LABORATORIES  
435 Deike Building  
University Park, PA 16802  
phone: 814-863-3419; fax: 814-865-3191

17 September, 1990

Dr. Phil Holmes  
Dept. of Biological Science  
Polytechnic of East London  
Romford Rd.  
London E15 4LZ, England, U.K.

44-81-  
faxed to: ~~814~~-519-3740

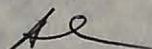
Dear Phil:

This responds to your letter of 28-VIII-90.

My overworked wife-assistant, Betty, has also studied your letter. She says, "if Dr. Holmes can convert the MS to Word Perfect in one day, please try to get him to do it, because it would probably take us longer and we might have unforeseen trouble." We look forward to getting a 5¼" diskette--wow!, are you a cooperative author, or what?

All the best, as ever.

Yours very truly,



Alfred Traverse

AT/et



Dr. A. Traverse  
The Pennsylvania State University,  
Department of Geosciences,  
Palynological Laboratories,  
435 Deike Building.  
University Park PA 16802.

10th September 1990

Dear Al,

Most of your changes, as you guessed, do not need my comment so I shall restrict myself to those queries that need positive answers.

✓ p11. I have not included a value for the kinematic viscosity (nor a value for the gravitational constant) as I do not consider it necessary. Both of these values are constant and will not affect the argument put forward in this case. If you feel that these figures should be included then the kinematic viscosity is approx.  $0.01\text{cm}^2/\text{sec}$  and the gravitational constant is  $9.8\text{m}/\text{sec}/\text{sec}$ .

*wash for \**  
p14. The Jemmet & Owen reference was originally from my notes of the IPC, I assumed that it would be in the abstracts volume; it turns out that their abstract was not included.....so no reference I'm afraid. It is a pity I agree. If it is in the Rev. Pal. Pal. volume of the conference then I may re-insert it but I fear that it will be too late for that.

✓ p19. Re van der Knaap reference. I only have a photocopy of this paper and the page numbers are definitely 449-453. I have not checked the original, perhaps the index on the back is incorrect. On the same subject I note that in the references both the "v" and "d" are in lower case, as you originally suspected.  
*409-416 is correct \**

\* p21. There are two Davis's, the more prolific of the two is Margaret B. Davis to whom you refer. The other is Ronald B. Davis (if my memory serves), this is the one that I refer to here.  
*both are like? p. # missing + in New Haven*

p27. Acknowledgements, if you could add words to that effect I would be grateful.

✓ p28. Re Erdtman, rather than change my card or the computer I think an eye replacement would serve.....!

Table 1. I have reprinted the entire table as this is just as easy as printing the two words. Durham definitely cites Populus virginiana, but I have checked it anyway. It appears in Britton and Brown under P. deltooides, I think it is regarded as a synonym there. In W.J. Bean it again appears under P. deltooides, this time as a variety, rather than a synonym. The Index Kewensis however has it listed as a distinct species once again with the suggestion that it may be a synonym of P. monilifera. I would rather it remained in the table as P. virginiana, that way anybody who wanted to chase the source reference could look in Durham and would know what to look for. As an alternative I have sent two copies of the

table, the first with P. virginia (lowercase v), the second is an alternative for you simply listing it as Populus sp., I prefer the first.

Fig 6. Hirons reference:- Hirons, K.R. (1988): Recruitment of  $cpr^2$  pollen to lake sediments: an example from County Tyrone, Northern Ireland. Review of Palaeobotany and Palynology, v54, p43-54.

If you have any other queries I will endeavour to answer them as promptly. Do you have any idea of a publication date? Margaret Collinson is putting the finishing touches to a book with some of her colleagues. They want to reference this book as 'in press', which I thought would be a safe bet (as contracts etc have been signed). I have given them the title that appears on my contract ("Sedimentation of Organic Particles"), They can change this on the proofs if necessary but I thought you might like to know.

Yours,



Phil Holmes

version not used

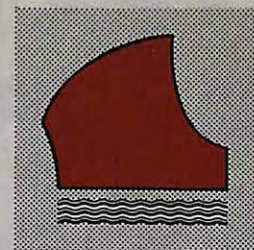
Species	Size ( $\mu\text{m}$ )	Specific Gravity	Density (g/cc)	Fall velocity ( $V_t$ )(cm/sec)			
				In Air		In Water	
				Calc.	Obs.	Calc.	Obs.
<i>Acer sp.</i>	39.9 <sup>1</sup>		1.24* <sup>1</sup>			0.02 <sup>1</sup>	0.0095 <sup>1</sup>
<i>Abies sp.</i>	86.2 <sup>1</sup>		1.27* <sup>1</sup>			0.11 <sup>1</sup>	0.029 <sup>1</sup> 0.052 <sup>7</sup>
<i>Alnus sp.</i>	21.22 <sup>1</sup> 22 <sup>7</sup>	0.75 <sup>8</sup> 0.97 <sup>8</sup>	1.17 <sup>1</sup> 1.16 <sup>7</sup>			0.0035 <sup>1</sup> 0.0037 <sup>7</sup>	0.0044 <sup>1</sup>
<i>A. glutinosa</i>	26.0 <sup>8</sup> 30.0 <sup>8</sup>	0.97 <sup>8</sup>		1.98 <sup>8</sup> 2.59 <sup>8</sup>	1.46 <sup>8</sup> 1.95 <sup>8</sup>		
<i>A. viridis</i>	30.0 <sup>8</sup>			2.59 <sup>8</sup>	1.7 <sup>4</sup>		
<i>Ambrosia sp.</i>	19.5 <sup>1</sup> 18 <sup>7</sup>		1.2* <sup>2</sup> 1.28* <sup>10</sup>			0.0037 <sup>1</sup>	0.0035 <sup>1</sup> 0.0078 <sup>7</sup>
<i>Artemisia sp.</i>	20.4 <sup>8</sup> 25.4 <sup>1</sup>	1.02 <sup>8</sup>		1.28 <sup>8</sup>	1.01 <sup>8</sup>		0.0048 <sup>1</sup> 0.0047 <sup>1</sup>
<i>Betula sp.</i>	27.5 <sup>7</sup>	1.55* <sup>7</sup> 1.4 <sup>1</sup>				0.019 <sup>7</sup>	
<i>B. lutea</i>	31.22 <sup>1</sup>		1.38 <sup>1</sup>			0.02 <sup>1</sup>	0.01 <sup>1</sup>
<i>B. nigra</i>	24.6 <sup>8</sup>	0.94 <sup>8</sup>		1.7 <sup>8</sup>	1.68 <sup>8</sup>		
<i>B. papyrifera</i>	28.8 <sup>1</sup>		1.37 <sup>1</sup>			0.01 <sup>1</sup>	0.017 <sup>1</sup>
<i>B. pubescens</i>	27.5 <sup>6</sup>			2.13 <sup>8</sup>			
<i>B. verrucosa</i>	24.5 <sup>8</sup>			1.78 <sup>8</sup>	1.5 <sup>8</sup>		
<i>Corylus sp.</i>	22 <sup>7</sup>	1.1* <sup>7</sup>				0.0023	
<i>C. americana</i>	23.6 <sup>8</sup>	1.09 <sup>8</sup>		1.83 <sup>8</sup>	1.31 <sup>8</sup>		
<i>C. avellana</i>	24.2 <sup>6</sup>			2.96 <sup>8</sup>	2.5 <sup>4</sup>		
		1.01 <sup>6</sup>					
<i>Fagus sp.</i>	47.0 <sup>1</sup>	0.71 <sup>8</sup> 0.94 <sup>8</sup>	1.08 <sup>1</sup>			0.0096 <sup>1</sup>	0.009 <sup>1</sup>
<i>F. grandifolia</i>	44.0 <sup>8</sup>	0.94 <sup>8</sup>		5.52 <sup>8</sup>	3.54 <sup>8</sup>		
<i>F. sylvatica</i>	38.4 <sup>6</sup>	0.71 <sup>4</sup>			5.5 <sup>4</sup>		
<i>Frazinus sp.</i>	24.0 <sup>1</sup>		1.17* <sup>1</sup>			0.0045 <sup>1</sup>	0.0042 <sup>1</sup>
<i>Lycopodium sp.</i>	31.6 <sup>5</sup> 32.4 <sup>5</sup> 34 <sup>5</sup>	1.18 <sup>4</sup>		1.76 <sup>5</sup> 1.90 <sup>5</sup> 2.14 <sup>5</sup>			

Species	Size ( $\mu\text{m}$ )	Specific Gravity	Density (g/cc)	Fall velocity ( $V_t$ )(cm/sec)			
				In Air		In Water	
				Calc.	Obs.	Calc.	Obs.
<i>Pinus banksiana</i>	41 <sup>3</sup>			2.0 <sup>3</sup>			
<i>P.echinata</i>	38 <sup>3</sup>			2.0 <sup>3</sup>			
<i>P.resinosa</i>	52 <sup>3</sup>		1.32 <sup>1</sup>	2.3 <sup>3</sup>		0.037 <sup>1</sup>	0.011 <sup>1</sup>
<i>P.strobilus</i>	49 <sup>1 3</sup>			2.1 <sup>3</sup>		0.018 <sup>1</sup>	0.011 <sup>1</sup>
<i>P.sylvestris</i>		0.39 <sup>4</sup>		2.5 <sup>3</sup>	2.5 <sup>4</sup>		
	54 <sup>3</sup>						
	57 <sup>7</sup>	0.8 <sup>7</sup>				0.032 <sup>7</sup>	
	52 <sup>8</sup>	1.2* <sup>7</sup>			2.49 <sup>8</sup>		
POACEAE							
<i>Capriola dactylon</i>	28.5 <sup>8</sup>	1.01 <sup>8</sup>		2.50 <sup>8</sup>	1.86 <sup>8</sup>		
<i>Dactylis glomerata</i>	34.0 <sup>8</sup>	0.98 <sup>4</sup>		3.17 <sup>8</sup>	3.10 <sup>4</sup>		
		0.91 <sup>8</sup>			2.78 <sup>8</sup>		
<i>Phleum pratense</i>	34.0 <sup>8</sup>	0.9 <sup>8</sup>		3.17 <sup>8</sup>	2.8 <sup>8</sup>		
<i>Poa pratensis</i>	28.0 <sup>8</sup>	0.9 <sup>8</sup>		1.46 <sup>8</sup>			
	30.0 <sup>8</sup>			2.44 <sup>8</sup>	1.74 <sup>8</sup>		
<i>Secale cereale</i>	60 <sup>8</sup>			7.25 <sup>8</sup>	4.3 <sup>4</sup>		
	49.5 <sup>8</sup>				6.0 <sup>8</sup>		
					8.8 <sup>4</sup>		
<i>Zea sp.</i>	81.6 <sup>1</sup>	1.42 <sup>1</sup>					
<i>Z. mays</i>		0.35 <sup>8</sup>		24.5 <sup>8</sup>	18.0 <sup>8</sup>		
	90 <sup>8</sup>	1.0 <sup>8</sup>			26.0 <sup>8</sup>		
<i>Populus sp.</i>	24 <sup>7</sup>	1.02* <sup>7</sup>				0.00056 <sup>7</sup>	
	30.1 <sup>1</sup>		1.16 <sup>1</sup>			0.0079 <sup>1</sup>	0.0045 <sup>1</sup>
	30 <sup>8</sup>	0.798 <sup>8</sup>		2.14 <sup>8</sup>	1.52 <sup>8</sup>		
<i>Quercus sp.</i>	32.7 <sup>1</sup>	1.04 <sup>8</sup>	1.31 <sup>1</sup>			0.0018 <sup>1</sup>	0.0069 <sup>1</sup>
	29 <sup>7</sup>	1.2* <sup>7</sup>	1.16 <sup>11</sup>			0.0081 <sup>11</sup>	
<i>Q.imbricaria</i>	33.1 <sup>8</sup>	1.04 <sup>8</sup>		3.42 <sup>8</sup>	2.2 <sup>8</sup>		
<i>Q.macrocarpa</i>	32.3 <sup>8</sup>	1.04 <sup>8</sup>		3.3 <sup>8</sup>	1.83 <sup>8</sup>		
<i>Q.robur</i>	27.7 <sup>6</sup>			2.41 <sup>8</sup>	2.9 <sup>4</sup>		
<i>Salix sp.</i>	17.4 <sup>1</sup>		1.11 <sup>1</sup>			0.0018 <sup>1</sup>	0.0028 <sup>1</sup>
<i>Ulmus sp.</i>	27.5 <sup>1</sup>		1.18* <sup>1</sup>			0.0072 <sup>1</sup>	0.0057 <sup>1</sup>
	31 <sup>7</sup>	1.2* <sup>7</sup>				0.0093 <sup>7</sup>	
URTICACEAE							
<i>Cannabis sativa</i>	30 <sup>8</sup>			2.22 <sup>8</sup>	2.55 <sup>8</sup>		
	25 <sup>8</sup>	0.82 <sup>8</sup>		1.56 <sup>8</sup>	1.04 <sup>8</sup>		
<i>Urtica sp.</i>	14.5 <sup>1</sup>		1.23* <sup>1</sup>			0.0013 <sup>1</sup>	0.00029 <sup>1</sup>
<i>Urtica gracilis</i>	14.0 <sup>8</sup>		0.77 <sup>8</sup>	0.4 <sup>8</sup>	0.34 <sup>8</sup>		

Table 1: A compilation of pertinent spore/pollen characteristics. An asterisk (\*) denotes measurements made on wet grains. It should be noted that different authors use different techniques to obtain their results, hence the wide variation in, for example, sporomorph densities. Much of the variation in density measurements is probably due to differences in the level of saturation of the grains. In order to conserve space the information from different authors has not been segregated; thus the fall velocity quoted for a particular species does not necessarily relate to the other data on the same line. Data sources: 1 = Heathcote, 1978; 2 = Fletcher, 1979; 3 = Niklas and Paw, 1982; 4 = Gregory, 1961; 5 = Chamberlain, 1966; 6 = Dyakowska; 7 = Brush and Brush, 1972; 8 = Durham, 1945; 9 = Erdtmann 1969; 10 = Harrington and Metzger, 1973; 11 = Davis and Brubaker, 1973.

Palynology Research Unit  
Head: Professor M C Boulter PhD FGS

Romford Road  
London E15 4LZ  
Tel: 01-590 7722 Ext  
Fax: 01-519 3740



Dr. A. Traverse  
The Pennsylvania State University,  
Department of Geosciences,  
Palynological Laboratories,  
435 Deike Building.  
University Park PA 16802.

28th August 1990

Dear Al,

I will reply in detail to yours of 9th August in a later letter. This note is limited to your request for a magnetic version of the MS. I originally wrote the paper using a mainframe typesetting system known as LaTeX. In this all commands for italics and the like are written into the script. A good example of this is the references:-

`{\bf{Bonny, A.P. (1978): }}`The effect of pollen recruitment processes on pollen distribution over the sediment surface of a small lake in Cumbria. `{\it{Journal of Ecology.}}`, `{\bf{v66}}`, p385-416.

The characters `{}` and `\` are all command characters, the "bf" and "it" are for bold and italics respectively. Also included in the text are commands to get the computer to automatically cross reference between tables and text.

I can supply this to you easily as I have it on disc as well as on the mainframe. This can be read into Word Perfect as it is in standard Ascii code; all I need to know is which type of disc you prefer. If I did this you would have to get somebody to change the codes. Alternatively I can make the change here as I also use Word Perfect; such a job would take me approximately one day. If this is quicker than your having the MS retyped I do not mind doing it.

Yours,

Phil Holmes

THE PENNSYLVANIA STATE UNIVERSITY  
DEPARTMENT OF GEOSCIENCES  
PALYNOLOGICAL LABORATORIES  
435 Deike Building  
University Park, PA 16802  
phone: 814-863-3419; fax: 814-865-3191

9 August, 1990

Dr. Phil Holmes  
Dept. of Biological Science  
Polytechnic of East London  
Romford Rd.  
London E15 4LZ, England, U.K.

Dear Phil:

Just finished spending some hours on the penultimate form of your very good chapter for the book.

Before I forget, may I respond to yours of 5-IV. I just now noticed that it included two paragraphs (#3-4) about the PFR project! I hadn't realized this before, because, after scanning the letter and concluding it was all about your chapter, I had put it aside with the MS, awaiting my editing. So, I told WGC a couple of weeks ago I never had a response to my PFR editing job. Sorry. Incidentally, reading in the Jansonius cards is ok, but I think he's wrong about a number of interpretations.

Now to your chapter. First, I have again read it very carefully. This always results in finding boo-boos. (All parts of my textbook were read by at least three people, many parts by 5-6 or more, and gremlins still abound!) There were a number of those found in your chapter, and I see no reason to bother you with them--several cases of "data" as a singular, misspellings, etc. A few items may need comment. I hope you kept a copy of this most recent version! Please respond, if and as necessary.

p. 1, last line: I believe it should be joined as:  
"...rates, experiments with..." (otherwise, the bit starting with "Experiments" isn't a sentence. I made this change.)

p. 4, l. 7: I changed "workers" to "investigators" (I hate "workers"--conjures up either drones or blue suits in the old PRC). I tried "palynologists" in the first go, but you didn't accept that.

p. 4, para. 3, l. 2: Crowder & Starling shouldn't have an '81?--I removed it.

p. 5, para. 2, l. 4: I replaced "sporomorphs" with "spores and pollen" here, and made a few similar changes elsewhere to seek a little variety.

p. 6: You were right to ignore my punctuation change re comma for a compound sentence--I was "out to lunch." However, I found a bunch more of them that are required (p. 12, 4th l. from

bottom; p. 7, para. 3, l. 9, etc. I took the liberty of adding commas.

p. 11, l. 1: Should be Reynold's or Reynolds, not as you have it? AGI Glossary has Reynolds (without possessive--was guy's name Reynolds, perhaps?).

p. 11: Could you comment on why you didn't accept MBF's suggestion that you provide a number for kinematic viscosity? I guess you decided to leave whole thing out.

p. 14: Why did you drop Jemmet & Owen reference? Seemed like a good idea to have it (but the biblio. ref. was missing).

p. 19, ll. 1-2: There are two problems about Van der Knaap. I guess it is now universal to go with u.c."V", though the name really isn't spelled that way--but I don't think the "der" should be "Der"--comment? More important is the fact that when I went to the library to check Pollen et Spores about this I discovered that the correct pp. are 409-416, not 449-453: a bit worrisome, as I don't, of course, check all refs.! I wonder how it happened?

p. 21, para. 2, l. 2: The Davis here is M.B. Davis, isn't it? That's a woman. You didn't accept the change--am I missing something?

p. 26, ll. 2-3: "Large" and "largest" seem to be used in two senses, and it's confusing. I changed to: "...numbers, the largest grains (Poaceae) and the smallest grains (cf. Urtica)...." o.k.?

p. 27, Acknowl.: This is not a request, but just to let you know that some authors are saying, "the editor and anonymous reviewers for helpful comments on the MS" or words to that effect.

p. 28: The new Table made me look at Erdtman a bit closer. It's wrong in Table and here. You may wish to change your card or computer! Durham and Dyakowska refs. put in ~~in~~

p. 30: Niklas ref. put in.

p. 31: See Van der Knaap comments above.

Table 1 caption: Erdtman misspelled. Harrington & Metzger apparently should be 1963 ;(not 1973)--right? What to do about "Populus virginiana"?--in the first place, it should be lower case "v"; in the second place, and more critical, I can find no reference to such a taxon in Gray's Manual, in Britton & Brown, or Small, our three principal floras for eastern USA. Can you research this? Start with Durham, I suppose, but somehow get to the bottom of it, please. If name should be changed, try to send me just a slip in the same font to paste in (I'm expert at that!).

Caption to Fig. 8: "spike" has other meanings now--what with "fern spike," etc. I changed the parenthetical expression to: "... (including the "spike" of Lycopodium spores added to the sample for calculation purposes)".

Fig. 6: The Hirons 1988 ref. in the figure isn't in your biblio.--can you get it for me, please?

Fig. 8: This figure still said "spores per gramme....," so I xeroxed fig. 9 and cut out "(grains per....)" and pasted it on--looks good, ok?

Caption to Figs. 9-10: I changed to read "...Urtica-type pollen...." o.k.?

Look forward to your responses. It's a great pleasure to have this chapter in such good shape--many others aren't!

All the best.

Yours very truly,

Alfred Traverse

P.S. Could you provide the MS on a diskette?--most convenient software program for us is WordPerfect, but we could manage other programs.

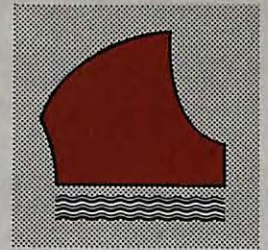
AT/et

# POLYTECHNIC OF EAST LONDON

(formerly North East London Polytechnic)

Palynology Research Unit  
Head: Professor M C Boulter PhD FGS

Romford Road  
London E15 4LZ  
Tel: 01-590 7722 Ext  
Fax: 01-519 3740



Dr. A. Traverse  
The Pennsylvania State University,  
Department of Geosciences,  
Palynological Laboratories,  
435 Deike Building.  
University Park PA 16802.

10th July 1990

Dear Al,

I am taking advantage of a two person relay to get this to you intact; it has arrived on your desk via the Boulter-Chaloner postal service ! Please excuse the delay (again) in my sending this to you, I have assumed that since you have not hassled me there is no great urgency.

I have added a note to each piece of information which identifies its source. There were a few numbers for which I had no notes on origins, these have been omitted. The addition of the marks makes it necessary to add to the reference list, however rather than reprint the whole list I shall simply repeat them here:-

Niklas, K.J. and Paw, U.K.T. (1983). Conifer ovulate cone morphology: implications on pollen impaction patterns.  
Am. Jl. Bot. v70. p568-577.

Durham, O.C. (1945). The volumetric incidence of atmospheric allergens III - The rate of fall of pollen grains in still air.  
Jl. of Allergy. v17. p70-86.

Dyakowska, J. (1937). Researches on the rapidity of the falling down of pollen of some trees.  
Bull. Sci. Lettr. Cl. Sci. Math. Nat. Ser. B. pl55-168.

Thank you for the note about the awful envelopes that we have used in the past, you will have noted that I have used another, I will make this the last !

Hope all is well with you,  
Yours,

Phil Holmes.

THE PENNSYLVANIA STATE UNIVERSITY  
DEPARTMENT OF GEOSCIENCES  
PALYNOLOGICAL LABORATORIES  
435 Deike Building  
University Park, PA 16802  
phone: 814-863-3419; fax: 814-865-3191

3 May, 1990

P. Holmes  
Department of Biological Science  
Polytechnic of East London  
Romford Road  
London E15 4LZ, U.K.

Dear Phil:

Yours of 5 April with MS is here. I'll respond properly soon, but I wanted to warn you, Mike, anybody who'll profit, that you all should cease at once using those light tan "envelopes" for overseas mailings. They are very bad news! Yours was in tatters, but the MS seems o.k. and complete. I got one from Batten a while back that lacked 1/4 of the contents. Many have arrived absolutely in shreds.

Best.

Yours very truly,

Alfred Traverse

AT/et



Palynology Research Unit  
Head: Professor M C Boulter PhD FGS

Romford Road  
London E15 4LZ  
Tel: 01-590 7722 Ext  
Fax: 01-519 3740

~~By Dealing with the University,~~

5th April 1990

Dear Al,

At last I have managed to finish all of the changes suggested by yourself and Martin. I apologise for the delay (caused partly by my move, the paper is stored on the RHBNC mainframe, editing it is a little difficult now...), and hope that this has not inconvenienced you too much.

There is one problem remaining, I have kept one table in the paper (the first and largest). At the moment I cannot find a copy of the most up-to-date of the caption. I am going to re-arrange the table anyway and give it a new caption. This will be two weeks in the making, again it is at RHBNC, the time is lost because I do the work at the weekends but can only get printouts on weekdays, a friend then posts them across to me ! I will make the changes suggested by Martin and rethink the caption. I thought that you would prefer to receive the bulk of the thing sooner rather than later.

To other matters now, many thanks for your editing job on the PFR/NCU print-out. Your annotations were precisely the sort of thing that we were looking for. As far as the completeness of the listing goes we were aware of the missing genera. In the future we are planning to read in the Jansonius and Hills catalogue into the database (by optical scanning). Thus for now we are mainly concerned with the exactness of the current listing, rather than its completeness. It is useful to know the extent of completeness however, so your estimate of 50% was appreciated. We will certainly take you up on your offer to referee pre-Devonian spores and Permian spores and pollen (sporomorphs !).

We will not be sending out further print-outs until after the Frankfurt meeting in May. By then there will be a large number of edited files, so expect a large package.

A message from Mike next, he has realised that parental pain is a 'polynational problem'. Personally I am just undergoing the pains of purchasing a house, family 'pleasures' are still in the future!

All the best.

Yours,  
*Phil.*

Phil Holmes.

- The printer doesn't seem to like your address, are more keen to rectify!

THE PENNSYLVANIA STATE UNIVERSITY  
DEPARTMENT OF GEOSCIENCES  
PALYNOLOGICAL LABORATORIES  
435 Deike Building  
University Park, PA 16802  
phone: 814-863-3419  
fax: 814-865-3191

11 January, 1990

Phil Holmes  
Department of Biology  
School of Life Sciences  
Royal Holloway & Bedford New College  
Egham, Surrey TW20 OEX, U.K.

Dear Phil:

Thanks for yours of 15 Dec. "Spores and pollen" or "pollen and spores" would have been o.k. What I objected to was to use just "spores" (which you didn't do resolutely anyway) for spores and pollen. "Sporomorph" seems to me a good compromise, as it provides a single word as you desired, but it doesn't (seem to) exclude pollen.

Look forward to getting your MS.

Good to know you'll join Mike Boulter. Quite a team!

Best.

Yours very truly,

Alfred Traverse

AT/et

70, Rusholme Grove,  
Dulwich Wood Ave.,  
London.  
SE19 1HZ.

December 15, 1989

The Pennsylvania State University,  
Palynological Laboratories,  
435, Deike Building,  
University Park.  
PA 16802.

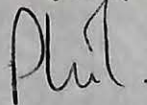
Dear Al,

I have just received the reviewed MS, so I thought I'd let you know how long you will have to wait for a revised copy. Several of Martin's suggestions were taken care of in the last copy that I sent to you. However I will endeavour to take on board his suggestions. His points about the graphical presentation of the data were particularly useful. I will also incorporate the term 'sporomorph' as requested although I feel it is not entirely appropriate. It conjures up images of fossil spores and pollen in my mind, and much of my work has utilised modern material.

In January I will be starting work with Prof. Mike Boulter at East London Polytechnic, so I shall be busy over the Christmas period making preparations. However, I shall endeavour to return a revised MS to you during January. I shall let you have my new address at the same time (when I am sure of what it is). If you need to contact me before then use the old address, they will forward all mail to me.

Many thanks for your comments, please pass on thank's to Martin Farley as well. It is a pity that we didn't get to meet in Australia last year. I hope you have an enjoyable Christmas break, best wishes for the New Year.

yours,



Phil Holmes

THE PENNSYLVANIA STATE UNIVERSITY  
DEPARTMENT OF GEOSCIENCES  
PALYNOLOGICAL LABORATORIES  
435 Deike Building  
University Park, PA 16802  
phone: 814-863-3419  
fax: 814-865-3191

27 November, 1989

Phil Holmes  
Department of Biology  
School of Life Sciences  
Royal Holloway & Bedford New College  
Egham, Surrey TW20 OEX, U.K.

Dear Phil:

Your MS is back from the reviewer. He says he wants you to know who he is--Martin Farley. I enclose the part of his letter that gives his general comments. I also enclose the MS copy on which he and I wrote. He wrote in red, so I have used green for my own comments and corrections. Martin apparently had some trouble with your data presentation and thought this would confuse some readers. He also found errors. He wanted me to emphasize, however, that he liked your chapter in general and thinks improvement of presentation will give it "...a more effective wallop...."

I have a big problem with your use of "spores" for spores and pollen, but (see Glossary in Paleopalynology) I don't object to "sporomorph" in the same sense--a compromise? In the hope you'll go along, I've penned in "sporomorph," except where spores or pollen is better. I'd also agree to "spores/pollen," which has the same meaning. In fact, you have frequently used "pollen" or "spores and pollen", etc., despite the statement on p. 3, l. 1.

I dislike intensely the word "worker" for scientist--it conjures up images of Chinese factories--just a personal foible, but I hope you'll go along with me.

Farley had a copy of the original version, as you see. I haven't checked thoroughly as to what difference that has made.

The bibliography needs some careful checking and more work. Use standards of some C.U.P. book (Friis, Chaloner etc., for example).

Please get back the corrected version at your early convenience.

I hope all goes well. Best personal greetings for the forthcoming holidays and for 1990.

Yours very truly,

Alfred Traverse

AT/et

encl: MS with suggested corrections; copy of letter

xc: M.B. Farley

THE PENNSYLVANIA STATE UNIVERSITY  
DEPARTMENT OF GEOSCIENCES  
PALYNOLOGICAL LABORATORIES  
435 Deike Building  
University Park, PA 16802  
phone: 814-863-3419  
fax: 814-865-3191

6 November, 1989

Phil Holmes  
Department of Biology  
School of Life Sciences  
Royal Holloway & Bedford New College  
Egham, Surrey TW20 OEX, U.K.

Dear Phil:

Thanks for your letter of 20 Sept. and the revised MS. I find no record of responding to the letter. Sorry.

A reviewer got your earlier MS on 25 Sept., before your revised version arrived. I believe I'll just hang on to the revised MS, as the sort of review I wanted won't be affected. I should get it back any day.

Hope your thesis and its defense have gone well.

All the best.

Yours very truly,

Alfred Traverse

AT/et

Dept. of Biology  
Royal Holloway and Bedford  
New College  
Egham Hill  
Egham  
Surrey  
TW20 OEX

September 20, 1989

Prof. A. Traverse  
Deike Building  
Penn. State University  
University Park  
Pa. 16802

Dear Al,

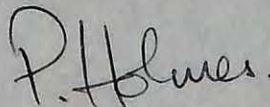
I hope this has reached you before the end September deadline. On the whole this is very close to the original, however I have made a few changes to bring the manuscript closer to that required in the authors guidelines.

I have removed several of the text figures and four of the tables; the remaining table has had its 'vertical-lines' removed (a nasty operation but I think it will recover!). This reduces the total number of figures as requested by the guidelines and obviates the need to obtain copyright from other sources. To offset the loss of this material I have expanded the appropriate sections of text. I am fairly confident that I've managed to correct all of the references to figures in the text. The text that accompanies each remaining figure has also been expanded in several instances.

Figure 1 has been redrafted (2 copies have been enclosed). I have also included another set of photocopied figures with their new figure numbers so that you can match them to the good copies that you already have. All other changes are to the text style (line spacing etc.). There are no changes to the reference list so I have not sent a second copy of them.

Hope all is well in your part of the world. I am just putting the final touches to my thesis, so that load should be off of my shoulders in a month's time.

yours,



Phil Holmes.

Enclosed:-

2 x text

2 x Table 1

2 x figure captions

1 x figure 1 - top copy

1 x figures - with 'new' numbers.

THE PENNSYLVANIA STATE UNIVERSITY  
DEPARTMENT OF GEOSCIENCES  
PALYNOLOGICAL LABORATORIES  
435 Deike Building  
University Park, PA 16802  
(814)863-3419

19 July, 1989

Phil Holmes  
Department of Biology  
School of Life Sciences  
Royal Holloway & Bedford New College  
Egham, Surrey TW20 0EX, U.K.

Dear Phil:

Thanks for yours of 30 June. It just got here!

Don't worry about the stylistic matters at the moment. I should be back to you about your MS fairly soon. I am sure we can work everything out.

I like "RHBNC" instead of Royal etc. etc.

Best wishes as ever.

Yours very truly,

Alfred Traverse

AT/et

RHBNC  
Biology Dept.,  
Huntersdale,  
Callow Hill,  
Virginia Water,  
SURREY.  
GU25 4LN.

June 30, 1989

Pennsylvania State University  
Dept. of Geosciences  
435 Deike Building  
University Park  
PA 16802

Dear Al,

I hope your trip to Europe was enjoyable, sorry to have added to the misery of the return. It would appear that many aspects of my manuscript do not comply with the instructions given in the contributors notes. I am concentrating on writing the final stages of my thesis at the moment; I am therefore reluctant to make all of the changes if they are not necessary. Changes to the text (line spacing, edge justification etc.) are easily changed, as are most aspects of the tables (the removal of the lines being the easiest). The figures would require a lot of time if they had to be re-drawn. I would be grateful if you could specify which changes are necessary.

In theory I shall submit my thesis at the end of September. I should, however, be able to continue using the college computing facilities beyond this date.

All the best.

Yours,



Phil Holmes

THE PENNSYLVANIA STATE UNIVERSITY  
DEPARTMENT OF GEOSCIENCES  
PALYNOLOGICAL LABORATORIES  
435 Deike Building  
University Park, PA 16802  
(814)863-3419

14 June, 1989

Phil Holmes  
Department of Biology  
School of Life Sciences  
Royal Holloway & Bedford New College  
Egham, Surrey TW20 OEX, U.K.

Dear Phil:

I am just in from almost two months in Europe. I find your MS in "the heap" awaiting me. Many thanks!

The negotiations with Cambridge Univ. Press are finally successfully concluded, as you can see by the enclosures. It took so long to get that business settled that it has inevitably delayed the completion of the project.

I'll be in touch again soon.

All the best.

Yours very truly,

Alfred Traverse

AT/et  
encl: general letter and author guidelines

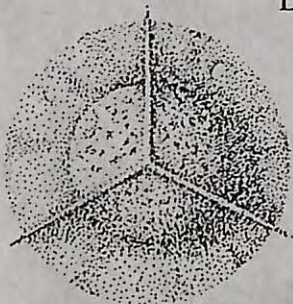


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NEW COLLEGE

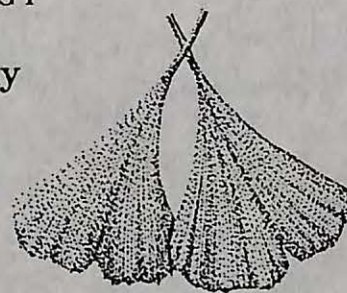
Egham Hill, Egham, Surrey TW20 0EX Tel Egham (0784) 34455

DEPARTMENTS OF BIOLOGY AND GEOLOGY



Palaeopalynology and Palaeobotany  
Research Group

Prof. W. G. Chaloner, FRS  
Head of School of Life Sciences  
Hildred Carlisle Professor of Botany  
Dr. A. C. Scott (Geology)



April 10, 1989

Prof. A. Traverse  
Deike Building  
Penn. State University  
University Park, Pa. 16802

Dear Al,

Sorry that this is a little late, the diagrams took longer than expected. I have enclosed two copies, assuming that you will send it out to at least one referee.

I have included the updated data from Silwood Lake, it eventually yielded some very nice patterns, only four have been included here along with a brief review of the factors affecting spore deposition in lacustrine environments. I hope this is acceptable.

Thanks for the notes of 13th and 23rd Jan. The labels etc. on my diagrams are easily changed if this is necessary.

All the best,

yours,

P.L. Holmes

THE PENNSYLVANIA STATE UNIVERSITY  
DEPARTMENT OF GEOSCIENCES  
PALYNOLOGICAL LABORATORIES  
435 Deike Building  
University Park, PA 16802  
(814)863-3419 or (814)865-6711

13 January, 1989

Mr. P. Holmes  
Dept. of Biology  
School of Life Sciences  
Royal Holloway & Bedford New College  
Egham, Surrey TW20 OEX, U.K.

Dear Phil:

Thought you'd be amused by enclosure.

I am reminded to urge you not to hesitate to include more or less  
the same figures and info in your book chapter!

Best as ever.

Yours very truly,

Alfred Traverse

AT/et  
encl: blind copy of 7IPC letter

THE PENNSYLVANIA STATE UNIVERSITY  
DEPARTMENT OF GEOSCIENCES  
PALYNOLOGICAL LABORATORIES  
435 Deike Building  
University Park, PA 16802  
(814)863-3419 or (814)865-6393

13 December, 1988

Phil Holmes  
Department of Biology  
School of Life Sciences  
Royal Holloway & Bedford New College  
Egham, Surrey TW20 OEX, U.K.

Dear Phil:

Re the interesting final paragraph in yours of 24 November--it would be possible, feasible and pleasant for you to work here, and the topic, of course, interests me. Indeed, it ties in with some interests of mine for the Triassic/Jurassic of eastern North America (full of lake beds!). Support (\$) is the problem! Even if I were working on a proposal now, direct NSF support would almost certainly not materialize soon enough--it sometimes takes me 1-2 years to shake fruit out of that tree. I believe the smartest idea would be for you to seek some sort of travel-abroad assistance from U.K. sources. Have you asked WGC for advice? Meanwhile I will work on a proposal for my Newark Basins lake studies. It would certainly be helpful for field expenses, etc., at the very least.

All the best.

Yours very truly,

Alfred Traverse

AT/et

University of London

ROYAL HOLLOWAY AND BEDFORD NEW COLLEGE

SCHOOL OF LIFE SCIENCES  
DEPARTMENT OF BIOLOGY  
Egham, Surrey TW20 0EX

Prof. W.G. Chaloner, FRS, Head of School  
and Hildred Carlisle Professor of Botany

Prof. R.P. Dales, Professor of Zoology and  
Head of Department

Prof. J.D. Dodge, Professor of Botany

Prof. C.T. Lewis, Professor of Zoology

Tel: (0784) 35551  
35553  
34455

24th Nov. 1988

Dear Al,

Many thanks for digging out those references for me, I have unearthed another as well so things are getting slightly better. As far as a title goes I have several ideas; the short version being 'Experimental Taphonomy'. The long title -The experimental investigation of spore/pollen transport in water- is however more accurate.

The review of lake material, of which I have a draft copy, goes through the various factors that affect the distribution of pollen in lake sediments, illustrated with examples from the literature. This could stand either on its own or I could write it into my chapter. If I do the latter an even longer title would be needed.

I have had some bad luck with the weather recently, there has been no rain since Autumn and hence no more Silwood Lake samples. As you will recall I was hoping to demonstrate the differential transport of pollen along the lake current. There is still a chance so I can hope...

I would like to ask another favour of you if I may. I am currently looking at the possibility of carrying out some post-doctoral research when I finish my Ph.D. next October. I have had an idea for a project involving fossil lacustrine material (I don't know how feasible this is yet), extending the work of my thesis into the fossil record. Would it be possible to work from your department? and do you know of any scholarships for which I might apply?

Many thanks for all your help,

Yours sincerely

*Phil Holmes*  
Phil Holmes.

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DEPARTMENT OF GEOSCIENCES  
PALYNOLOGICAL LABORATORIES  
435 Deike Building  
University Park, PA 16802  
(814)863-3419 or (814)865-6711

31 October, 1988

Mr. Phil Holmes  
Dept. of Biology  
School of Life Sciences  
Royal Holloway & Bedford New College  
Egham, Surrey TW20 0EX, U.K.

Dear Phil:

It was good to hear from you per yours of 5 Oct. I hope we can have a long relationship.

It's great to know that you're working on your chapter for the book project for next Spring. (March would be fine, but I suspect that April will really be soon enough.)

Now about refs. It looks to me as if you have most of them. However, for completeness you should consult and cite:

Colwell, R., 1951. The use of radioactive isotopes in determining spore distribution patterns. Amer. J. Bot. 38, 511-523.

Valencia, M.J., 1967. Recycling of pollen from an air-water interface. Amer. J. Sci. 265, 843-847.

Seems ridiculous that there aren't others.

Yes, please expand your chapter to include lake sedimentation, as nobody is specifically doing this.

All the best.

Yours very truly,

Alfred Traverse

AT/et

University of London

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SCHOOL OF LIFE SCIENCES  
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Head of Department

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Tel: (0784) 35551  
35553  
34455

5th Oct. 1988

Dear Al,

I thought I'd write to thank you once more for the invite to the 7th IPC. I found the whole thing extremely useful and enjoyable. I have submitted a short paper for the conference proceedings (I say short, its maximum length !). I have had to leave many things out of the discussion so I welcome the chance to expand the paper into a chapter.

I intend to start writing the chapter for your book this December, so it should be ready in time for next March.

To date I have found only five references concerning experiments with spores and pollen in water (listed below). There are many more on aerial transport and several on degradation. I also have several papers which have studied and discussed pollen distribution across lakes. If you know of any experimental work other than those listed could you please let me know.

One last thing, did you want me to include studies on the distribution of spores and pollen in lakes, or is someone else covering this area ?

Thanks once again for your help,

Yours faithfully,

*Phil Holmes*

Phil Holmes.

THE PENNSYLVANIA STATE UNIVERSITY

COLLEGE OF EARTH AND MINERAL SCIENCES

UNIVERSITY PARK, PENNSYLVANIA 16802

Department of Geosciences

Palynological Laboratories

July 25, 1988

Area Code 814

863-3419

Mr. Phil Holmes  
School of Life Science - Biology  
Royal Holloway and Bedford New College  
University of London  
Egham, Surrey, England TW20 OEX

Dear Phil:

Many thanks for the abstract. I am in the latter stages of getting ready for Australia and can't help just now, but (if you remind me!) I'll check my literature sources for you in September.

Best. See you in the Land of Oz.

Yours very truly,

Alfred Traverse

/jb

University of London

ROYAL HOLLOWAY AND BEDFORD NEW COLLEGE

SCHOOL OF LIFE SCIENCES  
DEPARTMENT OF BIOLOGY  
Egham, Surrey TW20 0EX

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35553  
34455

13th July 1988

Dear Al,

If my timetable runs according to plan March should be perfect timing; I shall be writing up by then so writing a chapter for your volume should set me in the right frame of mind.

By then I shall also have a new set of data from Silwood Lake which could be included.

To date I have found very few papers that have used an experimental approach to this branch of palynology. A literature review could therefore be included with ease although it would be rather short. As far as I can tell I have covered all of the literature but if you know of any work that I might of missed I would be grateful if you could give me the reference.

I have enclosed an abstract for you, this is a modified version of the Brisbane one.

Many thanks for all your help,

Yours sincerely,



Phil Holmes.

THE PENNSYLVANIA STATE UNIVERSITY  
DEPARTMENT OF GEOSCIENCES  
PALYNOLOGICAL LABORATORIES  
435 Deike Building  
University Park, PA 16802  
(814)863-3419 or (814)865-6393

24 June, 1988

Mr. P. Holmes  
Department of Biology  
School of Life Sciences  
Royal Holloway & Bedford New College  
Egham, Surrey TW20 0EX, U.K.

Dear Phil:

Thanks for yours of 16 June. It's not necessary to be so respectful--Al or Alfred would be fine (I prefer the latter, but it seems to be a lost cause).

Re the sedimentation-of-palynomorphs volume, I was hoping not to compete with the Congress Proceedings. The volume I am planning includes a number of people who are not involved in the Symposium. In short, I would advise you to prepare a brief paper for the Proceedings volume (Eliz. Truswell, Ed.). Obviously it would not be long--what one could say in a 20-25 min. talk. For my volume I want the authors to expand their coverage to make a chapter that more thoroughly covers the subject without the space constraints imposed by the Congress volume.

I think it would be great if you could do a chapter on the experimental approach, dealing with the literature, your data, etc.

If you would like to do this, I need a title and general, preliminary abstract asap. You might wish to base it on your Brisbane abstract, but that is up to you. I need the title and abstract now for my dealings with Columbia Univ. Press.

As to timing, I'd like the chapters by, say, March, 1989. If that presents an insuperable barrier, I guess you shouldn't try to do it. I hope you can!

In any event, let me hear from you as soon as possible. See you soon.

Yours very truly,

Alfred Traverse

AT/et

University of London

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Prof. W.G. Chaloner, FRS, Head of School  
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16th June 1988

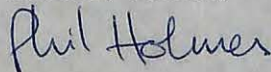
Dear Prof. Traverse,

Many thanks for the copies of the symposium abstracts, judging from them it will be a very interesting meeting.

In your letter of Jan. 20th you mentioned the possibility of publishing a symposium volume. I was wondering if anything further had come of this or if you had some sort of timetable for it. As you know I only have a limited time in which I can finish my Ph.D.; because of this I need to know what is 'on my plate' so that I can plan my timetable more effectively.

I hope all the preparations for the symposium are going well. I have managed to secure all the funding that I need so I should have no problem in getting there.

Many thanks, Yours,



Phil Holmes.