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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.



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Dr N O Frederiksen
US Geological Survey
Reston
Virginia 22092
USA

19 September 1994

Dear Norman

I would greatly appreciate receiving a copy of your recent article entitled 'Paleocene floral diversities and turnover events in eastern North America and their relation to diversity models' which appeared in RPP, v. 82: 225-238, if copies are still available, please. I hope that your work is going well, things are so busy here that I rarely have time to sit down and think, let alone write manuscripts. It's been made even worse by one of our palaeontologists taking early retirement and so dumping us with masses more teaching. On days like this I envy people with jobs in surveys!

I am afraid I am also the bringer of sad tidings, in as much that I found out yesterday that my Ph.D. supervisor, Norman Hughes had just passed away. He had been very ill for a couple of months. All very sad to lose another one of the old school. Could you pass the news on to Lucy so that she could perhaps inform Bill Evitt for me, please? If you could also let Al Traverse know, I would be very grateful, and of course anyone else you feel should be told. Many thanks, please pass on my regards to Lucy,

Yours sincerely

Ian Harding (Dr)

E-mail: ich@southampton.ac.uk

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

3 August, 1993

Dr. Norman F. Hughes
Dept. of Geology
Sedgwick Museum
Downing St.
Cambridge, England CB2 3EQ

Dear Norman:

Thanks for the batch of fine reprints that came recently. The one from Current Sci. about (more or less) Gnetales made me wonder if you'd seen the recent abstract by Gil Brenner, in which he hypothesizes that the earliest angios had small inaperturate, Gnetum-like pollen. The other papers I had also seen, but am glad to have separates. Your ideas are as always fun, if sometimes jarring.

Best to you and also to Pamela.

Yours very truly,

Alfred Traverse

AT/et



10 July, 1990

Dr. Norman Hughes
Department of Geology
Sedgwick Museum
Downing Street
Cambridge, England CB2 3EQ

Dear Norman:

Wow! Ol' Gerhard, the host, could identify only himself, and denies emphatically that there was ever a key!--so you're a winner with this. I had also tried Kosanke, Canright and a number of other people who misidentified as many as they identified. I have a good print and was able to recognize about 60% myself. However, your "unknowns"--21 and 83--are also unknown to me. Thanks very much on behalf of the IFPS archives.

Hope all is o.k. with you. I have had a dreadful spring with the final closing of Mother's home and transfer of her to a nursing facility. It all has been draining. Much worse than a death in the family.

Best wishes, as ever. Regards to Pamela.

Yours very truly,

Alfred Traverse

(dictated by AT; signed in his
absence--hello, Norman!)

AT/et

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

26 April, 1989

Dr. Norman F. Hughes
Department of Geology
Sedgwick Museum
Downing St.
Cambridge CB2 3EQ, U.K.

Dear Norman:

Thanks for the packet of three fascinating and controversial papers and one paper about dinoflagellates--I hadn't realized you were into that game too! I agree with you re IOP-IFPS merger. Has to happen.

Best, and to dear Pamela from us both.

Yours very truly,

Alfred Traverse

AT/et

THE PENNSYLVANIA STATE UNIVERSITY

DEIKE BUILDING

UNIVERSITY PARK, PENNSYLVANIA 16802

College of Earth and Mineral Sciences

Department of Geosciences

Palynological Laboratories

July 25, 1988

Area Code 314

863-3419

Dr. N.F. Hughes
Department of Earth Sciences
University of Cambridge-Downing St.
Cambridge, England CB2 3EQ

Dear Norman:

Thanks for yours of 7 July. Too bad I won't see the book until later. The 1986 "offprint" makes me wonder if I do have it - maybe if you discover that you have sent it, you could still send me the reference (I don't leave here yet for three weeks). Unfortunately, I write this in a surgical waiting room as Betty is having a hysterectomy-plus she may not be able to go to Australia after all.

See you.

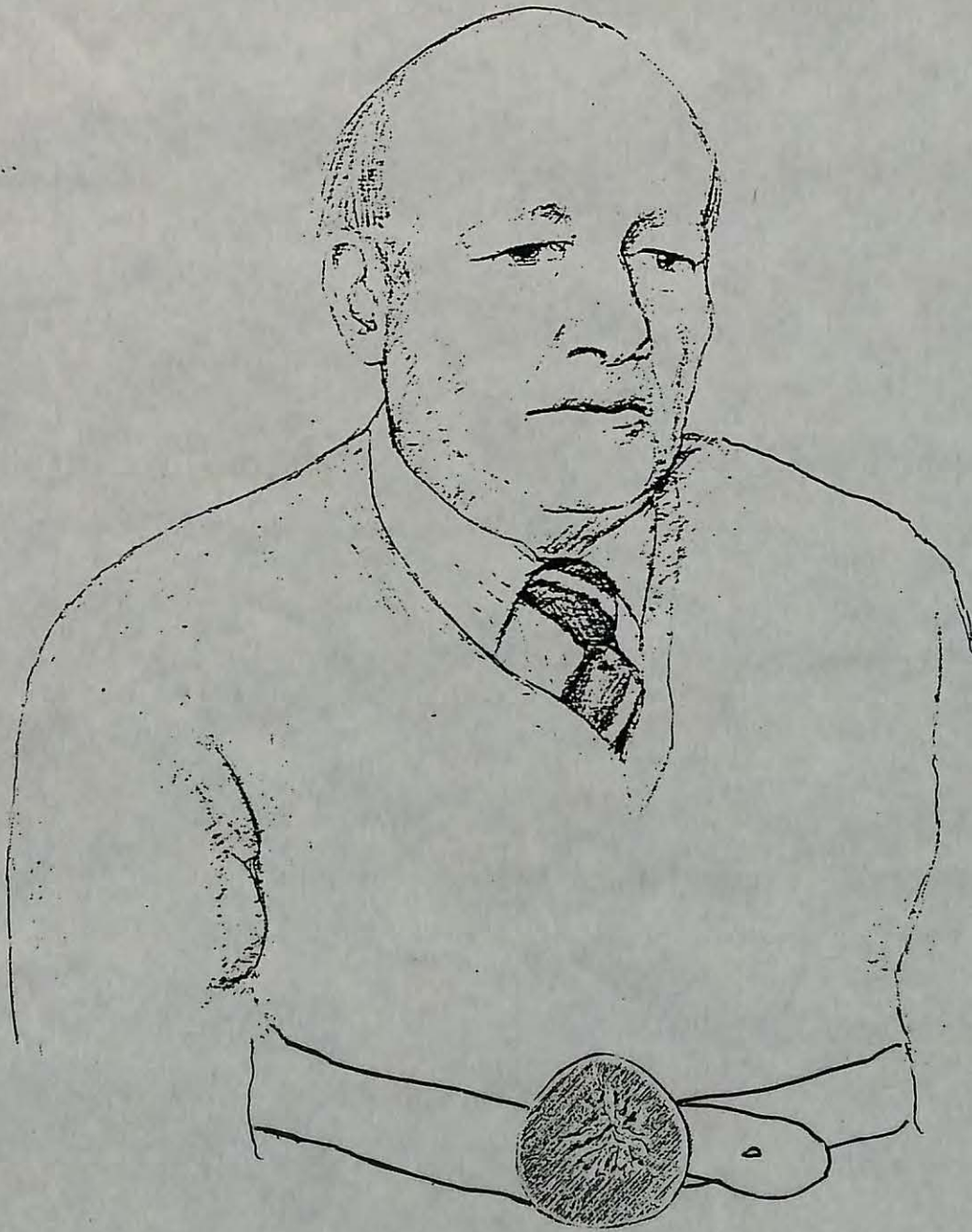
Yours very truly,

Alfred Traverse

P.S. Since writing the above, a package with two reprints came - for which many thanks. One is of your chapter from Spicer and Thomas - probably this is IT!

/jb

file N.F. Hughes



N. F.

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Cambridge
25 July 88

Dear Al

7, PC Brisbane

Have just heard from May Dettman that they have scheduled a 'Data-huddle' session (for me) at 2pm on Friday 2 September. I am expected to make a brief presentation to set a discussion going, like we did in Calgary only better I hope. However I notice that 7, PC is much more of a Clontarf affair and so the interest in these matters may be less.

If you feel able to, can you please attend that session (unless perhaps you are already in the chair of it?) and fan the flames or whatever. I don't think it needs long special prep work, but I hope you received my 1987 offprint recently.

This letter does not need an answer until we get to Brisbane, but is written because of what I have just hinted at in a letter back to May Dettman.

Looking forward to meeting again

Regards

Norm
Hughes

DEPARTMENT OF EARTH SCIENCES
UNIVERSITY OF CAMBRIDGE

TELEPHONE (0223) 333400
International (+44223) 333400
Telex No: 81240 CAMSPL G

DOWNING STREET
CAMBRIDGE
CB2 3EQ

7th July, 1988.

Professor Alfred Traverse,
The Pennsylvania State University,
Department of Geosciences,
Palynological Laboratories,
435 Deike Building,
University Park,
PA 16802,
USA.

Dear Al,

Many thanks for your letter of 23rd June. I do have the papers and letter about Brisbane Symposium 12 and will do my best.

As regards the banquet, I am glad to hear that you will assist also. No, my book won't appear until 1989; I will send you a relevant 1986 offprint if I find I have not already done so.

Yours sincerely,



N. F. Hughes.

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

23 June, 1988

Dr. Norman F. Hughes
Department of Geology
Sedgwick Museum
Downing St.
Cambridge, England, CB2 3EQ, U.K.

Dear Norman:

The appropriate authorities have asked me to "respond" in a more or less light-hearted fashion to your banquet talk at Brisbane. The idea is intimidating, but I'll try my best. I just heard that you have a book on the biorecord proposal in press. I wonder if a copy will be available pre-Congress? Perhaps you will at least fetch one to Australia so I could take a peek?

I presume by now you've seen my letter(s) about your role as commentator in Symposium 12.

Best.

Yours very truly,

Alfred Traverse

AT/et

14 May, 1984

Dr. Norman F. Hughes
Department of Geology
Sedgwick Museum
Downing St.
Cambridge, CB2 3EQ, U.K.

Dear Norman:

Thanks for yours of 25 April. Glad to hear you're not opposed to the deal for Calgary. As I said, I think it will work out well-- you can outline "The Code" formally during the brief formal session, then treat it in expository fashion during the evening "symposium".

See you then. Best wishes.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et
cc: D. J. Nichols, J. Lentin

DEPARTMENT OF EARTH SCIENCES
UNIVERSITY OF CAMBRIDGE

TELEPHONE (0223) 355463
Telegraphic address: Earthsciences Cambridge.
Telex No: 81240 CAMSPL G

DOWNING STREET
CAMBRIDGE
CB2 3EQ

25 April 1984

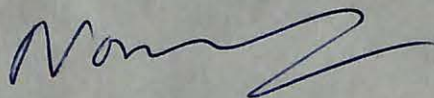
Professor A. Traverse
Palynological Laboratories
College of Earth and Mineral Sciences
The Pennsylvania State University
Deike Building
University Park
Pennsylvania 16802
USA

Dear Al,

Many thanks for your letter dated 9 April, concerning arrangements for a special session at the Calgary conference. I shall be very pleased to fall in with what you suggest and I am also quite happy about the choice of Chairman; my only concern about Chairman was to relieve you and Bill of being both prosecutor and judge!

As I said in an earlier letter I will do my best by about June to let you and Bill and Doug Nichols have a copy of the Code I propose to outline and I look forward to a merry session.

Best wishes,



N.F. Hughes

cc. D.J. Nichols

9 April, 1984

Dr. Norman F. Hughes
Department of Geology
Sedgwick Museum
Downing St.
Cambridge, U.K. CB2 3EQ

Dear Norman:

Enclosed xerox of letter fo Bill C. is probably self-explanatory. At first I was a little distressed that your formal paper slot was not arranged to coincide with the forum. On second thought, however, I realize that this will work out very well. You will give your formal outline in the a.m. We will have time to think a bit about it before evening. Then you will have an opportunity to stress some main points again in your 15 minute slot, then take part in the general give and take of the forum. I hope you are agreeable to these arrangements, especially that Doug Nichols is enrirenic choice for chairman, not a committed Hughes-baiter, nor anti-ICBN either. From this point out, I suppose communication about the forum should go to Nichols (Dr. Douglas J. Nichols, USGS, P& S Branch, Federal Center, Box 25046, MS 919, Denver, CO 80225).

Best wishes.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et
cc: D.J. Nichols
encl: copy of letter to W.G. Chaloner

Hughes

26 July, 1984

Dear Norman:

I'm secretary-less at the moment, but I wanted you to know that I received the copy of "the Hughes Code", as others are calling it. Will read, mark, learn and inwardly digest. (Can you identify source of that quote?)

See you in Alberta.

As ever,

21 March, 1984

Dr. Norman F. Hughes
Department of Geology
Sedgwick Museum
Downing St.
Cambridge, CB2 3EQ, U.K.

Dear Norman:

Thanks for sending me a copy of your letter to Bill re some sort of a debate on whatever in Calgary. As you may know, the formal paper-session on this subject was stillborn. Bill and I have thought that an evening session, with presentations by you and others could be productive. I have written Judi Lentin suggesting this, but the whole thing is very tentative as yet.

I see much merit in your suggestion of a neutral, though dynamic and interesting chairman/woman, but who would that be? You suggest Staplin, but perhaps you've forgotten that Frank also published, not too long ago, an anti-Code paper? Not my idea of neutrality. Any other nominations?

Best wishes. Somebody just gave us a new supply of potpourri, and I was reminded of the still savory pillow you gave us when you were here.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et
cc: W. G. Chaloner

Jan. 1952

*With Christmas Greetings
and all good wishes
for the New Year*

*for
Norman and Pamela*

Hope you are both well. Shall
try to get to Calgary 84. Geoff Normie was
here in the summer. Did you ever hear of
Aureal Cross recovered; I wrote last year but
did not hear anything from him.
Regards
Normie

"EDWARDIAN DOLLS"
Engraved by Pamela Hughes

53 HARTINGTON GROVE, CAMBRIDGE CB1 4UA

↑
we have moved about a mile
or.

1951

*With Christmas Greetings
and all good wishes
for the New Year*

for Norman and Pamela Hughes

*Good to see you again in Sydney. Hope you
enjoy being an ex-President of ICP as much as I did!*

Nor

“KOALA BEAR”

Engraved by Pamela Hughes

4 PARK TERRACE, CAMBRIDGE

4 89 September, 1980

Dr. Norman Hughes
Department of Geology
Sedgwick Museum
Downing St.
Cambridge, CB2 3EQ, England
Cambridge, England CB2 3EQ

Dear Norman:

Dear Norman:

Just a briefly--to let you know I got yours of 7 August. I'm surprised and pleased about the unexpected refund! I had forgotten your previous promise (?) not to charge me for my own accommodations. It reminds me that when I went around to the various funding sources before IPC, I was asked, "wasn't the ICP going to pay my expenses?". I could hardly contain my mirth at the time, but as it turned out, the ICP was planning to pay for some of my expenses!

I am almost dug out from the post-Conference backlog, and can get on with other things--such as my work with Chaloner on the nomenclatural business!

Best wishes to you all as always.

Alfred Traverse
Professor of Palynology

Yours very truly,

AT/et
encl: photos

Alfred Traverse
Professor of Palynology

AT/et

4 September, 1980

Dr. Norman Hughes
Geology Department
Sedgwick Museum
Downing St.
Cambridge, England CB2 3EQ

Dear Norman:

A couple of photos for your collection--

Best wishes, as ever.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et
encl: photos



5. International Palynological Conference Cambridge 1980

Dr M. A. Butterworth *Treasurer*
Department of Geological Sciences,
University of Aston,
Birmingham B4 7ET
021-359 3611

Dr N. F. Hughes *Chairman* Mrs G. E. Drewry *Secretary*
Department of Geology, Sedgwick Museum,
Downing Street,
Cambridge CB2 3EQ
0223 51585

Please reply to NFH

7 Aug 80

Professor Alfred Traverse
Department of Geosciences
Penn State University

Dear Al

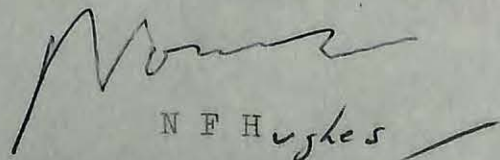
Thank you very much for your kind letter dated 30 July; we enjoyed the Conference too, but have suffered a week or two of exhaustion !

I was about to write to you because I have just noticed from the Accounts files that you paid more than I had intended. We had agreed earlier that we would not ~~charge~~ charge you for your own accommodation and we want to honour that. Please forgive however a little further delay (because Mavis Butterworth happens to be away on a field trip) while we sort out an appropriate refund.

Sorry I did not get up early enough on 6 July to see you off to Scotland. I was probably obsessed with getting myself to Paris the next day; the Geological Congress there was fine but rather remote after our friendly affair. In Paris, the IUGS Council accepted your affiliation of ICP on the first day (7 July, I think), but then the IPA Officers (Teichert and Walliser) challenged the voting. At the next Council meeting of IUGS (so I was told by Hutchison) the President declared the vote correctly taken and valid, so thus the affiliation stood. I went to the IPA meetings which were as vague and evasive as ever; their new set-up with B S Sokolov (speaks no Engl, French or German) as President and Walliser again as Secretary, does not seem very hopeful. The next Geological Congress (1984) is in Moscow !

I am writing a report of the Cambridge meeting for Jan du Chene and others, but it will take a week or so as the accounts have priority.

Our best wishes and gratitude to you both. Will write again soon


N F Hughes

P.S. Enclosed is a letter which arrived some days after you had departed from here.

30 July, 1980

Dr. Norman Hughes
Department of Geology
Sedgwick Museum
Downing St.
Cambridge, England CB2 3EQ

Dear Norman:

Just a line to congratulate you on a simply marvellous job by you, by Gil and all the others, on 5-IPC. We surely should have awarded you and Gil leis, garlands or whatever at the closing session. Everything was just great. Please convey to Pam the appreciation Betty and I feel for her help and companionship. I do hope you'll bring her to America before long, and include us in the itinerary. (It's so damned cheap over here for you all at \$2.38 per pound!) What more can I say?-- you gave me far too much of the limelight at the various affairs. It was a great show--and a very fine scientific meeting.

All the best.

Yours ~~very~~ truly,

Alfred Traverse
Professor of Palynology

AT/et

N. F. Hughes, M.A., Sc.D.
Fellow

Prof. A. T. Brown
President I.C.P.

Queens' College
Cambridge, CB3 9ET
Tel. (0223) 65511

Dear Al

Saturday 28 June
1980

When you arrive I hope you
will be put in your room in Queens' and
then will have dinner in Queens'.

After that we shall be very glad to see
you and your wife at home (4 Park Terrace,
Tel. Cambridge 353009) when we can discuss the Conference
organisation. If Saturday night is difficult (i.e. you
are delayed or ?), we can do the same on Sunday.
Mainly I want to link you for Monday morning!

Hope you had a really fine
N. F. Hughes

52P

TELEPHONE (0223) 51585-7

SEDGWICK MUSEUM
DOWNING STREET
CAMBRIDGE
CB2 3EQ

Dear Al

16 May 78

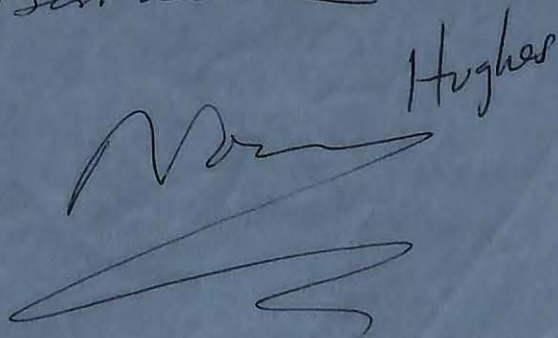
May thank you for your
further letter of 2 May. My plans
remain - to come to you on 24 May
evening as arranged.

So far, as expected, we have had
trouble getting anywhere with Pennycuik
Commuter Airlines. I will do more on
arrival in Washington.

I shall be staying at Capital Hilton,
16th + K Streets NW, Washington DC 20036
Phone 202-393-1000, & working by day
c/o R H Bensen at Smithsonian NH Museum
Phone 202-381-6400. Our meeting is
Strat. Correlation Panel of ISDP.

I will contact you by phone from
Washington as soon as I can find
out how it can be arranged to travel
etc.

Best wishes


Hughes

ICP — Sep. folder



5. International Palynological Conference Cambridge 1980

Dr M. A. Butterworth *Treasurer*
Department of Geological Sciences,
University of Aston,
Birmingham B4 7ET
021-359 3611

Dr N. F. Hughes *Chairman* Mrs G. E. Drewry *Secretary*
Department of Geology, Sedgwick Museum,
Downing Street,
Cambridge CB2 3EQ
0223 51585

Please reply to

24 Apr 78

Prof Alfred Traverse
Penn State University

Dear Al

Many thanks for your kind letter of 18 April about my possible visit to you. Since writing I have had another constraint removed and I thought I should tell you in case it eases things for you.

Unexpectedly I am now free to come to see you before my meeting in Washington if that is any help to you. The meeting is just for the three days 22-24 May, and although I am booked to fly from London to Washington on 21 May that could be brought forward into the previous week as necessary.

Actually I could fly in to Kennedy (or elsewhere) to come on to Penn State, but your instructions are very clear and I am sure I can easily follow them ~~through~~ through. I think I would most probably opt for the Commuter Airline, rather than drive.

Please therefore leave it on the arrangement you have already thought out, or change me if it helps you in any way. Also then if it helps I have no other interest in Washington except the meeting; I could therefore come and go at another transatlantic terminal, or go in one and out another as necessary.

I am rushing this off for the post. Dont hesitate to leave things as they are if it is better. They sound fine.

Best wishes

N F Hughes

14 February, 1977

Mr. Norman F. Hughes
Sedgwick Museum
Downing Street
Cambridge, England CB2 3EQ

Dear Norman:

Thanks for yours of 31 January. I confess that I have been in a state of shock for some time about my failure to make it to Lucknow and have been remiss in caring for the correspondence relating to all of the things that happened there. I guess, to be truthful, I thought it best to wait until more of the mail was in so that I could reflect on what to do about the various items of business and not make conflicting decisions. This will not really be an answer in depth to your various questions, but I will take care of that as soon as possible.

Both Canright and Vournier have contacted me with the word that they feel it was providential that I did not make it to India, as I would have been mortified by various of the events there.

Don't worry about my inaction. I will begin to take care of the critical matters quickly and will then write you in more detail about them as they are handled. I will also send you copies of all the pertinent correspondence to ease the transitional period.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

31 December, 1976

Mr. N. F. Hughes
International Commission for Palynology
Sedgwick Museum
Downing Street
Cambridge, England CBC 3EQ

Dear Norman:

The apparant non-funding of my trip to India has left me in such a state of shock that I only now am beginning to get things pulled together again. Further report on that, of course, you won't see until you get back to Cambridge--about five days before I would have left for Lucknow as originally scheduled, in other words just before Christmas, the National Science Foundation in its usual inscrutable fashion did send me a ticket for India. However, by that time I had long since cancelled all reservations and resigned myself to not attending and in view of those decisions could not possibly get things pulled together again in time to make it to the Conference. When I called NSF to complain about such peuliar treatment, they were sympathetic, but not very.

In the meantime, Marjorie apparently sent a teletype requesting a formal indication of my willingness to serve as president. It was, however, not sent to the Pennsylvania State University but to the University of Pennsylvania (Philadelphia), and they tried to forward it to (of all places) the University of Pittsburgh. I did not receive it until the morning of the 28th. As soon as I did, I immediately sent a cable to Marjorie in Lucknow. God knows if she ever got it. I was naturally deeply moved by the fact that so many people would vote for me to be the new president and regardless of whether it actually went through or not, I would like to have you know how much I appreciate your personal support (though I would not betray to anybody the fact that you apparently would have liked for me to succeed you!). Of course, I am really wondering what happened! Hoping that you had a pleasant holiday season in the Subcontinent and that I will see you again one of these years and with best wishes of the season, I am yours very truly.

10 December, 1976

Mr. N. F. Hughes
International Commission for Palynology
Sedgwick Museum
Downing Street
Cambridge, England
CB2 3EQ

Dear Norman:

Catastrophe!-- I have apparently not been funded for the trip to India. At least, it has not come through as yet, and with only two weeks remaining before departure date I must assume that I didn't make it. This is hard for me to understand because as a member of the ICP, a person slated to give two papers, and to deliver the Birbal Sahni memorial lecture, it is hard to see how anyone else could have been more qualified! I realize that this is a disappointment not only to me but to a great many other people, and I am considerably mortified. Penn State University offers no support to professors for this kind of an adventure, and I had to depend on the National Science Foundation. I just can't imagine why they did not fund me, unless it's a question of their funding nobody! What more can I say? Quite likely this means that I should withdraw my candidacy for ICP presidency? I certainly want to do whatever is right. In order to get this note typed and into the mail, I will refrain from further discussion of the issues that are raised.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

XXXXXX

April 28, 1976

Mr. N.F. Hughes
International Commission for Palynology
Sedgwick Museum
Downing Street
Cambridge, England
CB0 3EQ

Dear Norman:

In the "GC9" it says that "the final draft of the Constitution has been circulated"---I just had an inquiry about it from AASP Council Board members, and I had to tell them that I had never received this final draft. Could I be sent a copy immediately so that I won't have to act so stupid? Hope all is going well by you and looking forward to seeing you in Lucknow (it may be a fond hope as far as I'm concerned), I am

Yours very truly

Alfred Traverse
Professor of Palynology

AT:jb

December 15, 1975

Mr. Norman Hughes
President, ICP
Sedgwick Museum
Downing Street
Cambridge, England
CB2 3UQ

Dear Norman:

Thanks for yours of 24 November and the enclosed constitution and Newsletter. I had not received these for whatever reason.

Regarding the Italian group and any other national palynological organization that should appear on the horizon--I would say "the more the merrier". Furthermore, it seems to me one very real positive function of ICP is to encourage nascent regional and national societies. One problem that has occurred to me and doubtless has to you is what we will do when and if there are competing national groups! That could get to be rather nasty.

Now regarding the draft constitution. I am delighted to see item 2 and its advocacy of the federation concept. This is clearly what most people want, and I couldn't really understand the Dutch objection, as much as I like and respect Jan Muller. I do notice that you admit the possibility under 5b of individual members of ICP, despite the federation implication of item 2. I really feel strongly this is a mistake, and I do not approve of the concept of individual memberships in ICP at all. Under item 8 I see a possible gremlin in the means of selection of the councillors. It seems to me that these councillors should be selected by the local societies in whatever way they deem desirable. This might be election in some cases and appointment in others. For example, I suspect AASP would go the appointment route because now that AASP is incorporated it is rather difficult to have a new officer of the organization approved--it would take amendment of the constitution, etc.

The only other major objection I have is that I am not very happy about the apparent decision that there will be one councillor per regional society. I would seem absurd for AASP, now with 450 members, to be represented by a single councillor, while the Librarian Palynological

Society, which might establish itself for the sole purpose of electing a councillor, would also have a representative. I really think we must consider the possibility of proportional representation. In other words, I would suggest one councillor for every 100 dues-paying members of the society in question. I really feel very strongly about this and suspect that it would be only natural if officers of the AASP were to feel the same way. Best wishes for the holiday season to you and other friends I may have in Cambridge.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT:jb

cc: Kenneth Piel
Geoffrey Norris
Jack Harkness

INTERNATIONAL
COMMISSION FOR
PALYNOLOGY

N.F.HUGHES *President*
GEOLOGY DEPT
SEDGWICK MUSEUM
DOWNING STREET
CAMBRIDGE
ENGLAND CB2 3EQ

M.D.MUIR *Secretary*
GEOLOGY DEPT
ROYAL SCHOOL OF MINES
PRINCE CONSORT ROAD
LONDON
ENGLAND SW7 2BP

Please reply to

24 November 1975

Professor Al. Traverse,
Dept. of Geosciences, Palynological Laboratories,
College of Earth and Mineral Sciences,
The Pennsylvania State University,
Deike Building,
University Park, Pennsylvania 16802,
U.S.A.

Dear Al,

Many thanks for your letter of 12 November concerning ICP
Constitution. I did send you a new draft of the Constitution about two
months ago and it looks as if for some reason you have not had it and I
therefore enclose another copy. I have already had replies from several
other Council members and therefore do not know what happened to your
copy. If you have time to react quickly it will of course be most
helpful.

With best wishes,

Yours sincerely,



N. F. Hughes

November 12, 1975

Dr. Norman Hughes
Department of Geology
Sedgwick Museum
Cambridge, England U.K.

Dear Norm:

I recently gave a report on my understanding of ICP status at the AASP meetings in Houston. Several questioners wanted to know more details about the latest status of the constitution, and I really couldn't tell them much. Perhaps you could drop me a line letting me know, so that I can make the information a part of my formal report. I told everybody about the "organizing meeting" in Leningrad and as many other matters as seemed to be pertinent. The attitude in the AASP Board of Directors seemed very positive toward ICP, feeling that it is meeting a real need. Looking forward to hearing from you about the constitution and with best wishes I am

Yours very truly,

Alfred Traverse
Professor of Palynology

AT:jb

February 21, 1975

Dr. Norman F. Hughes
Department of Geology
Sedgwick Museum
Cambridge, England

Dear Norman:

Thanks for the recent batch of reprints. The stratigraphic procedure paper is certainly something one should post and try to use. Most of us are in need of that kind of advice! I agree with you completely in the improbability of the early upland origin of the Angiosperms. Your paper on the English Wealden serves to intensify my conviction that you have made a valuable contribution in your suggestions about precise delimitation of palynological "events", etc. and that it doesn't necessarily have anything to do with overthrowing established nomenclatural procedures. Speaking of systematics, it is distressing that the Angiosperm paper contains no indication of the date of publication, a frequent failing of the timeless sub-continent of India!

Best wishes.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/vsi

September 3, 1974

Dr. Norman F. Hughes
Department of Geology
Sedgwick Museum
Cambridge, England

Dear Norman:

Thank you for the reprint you recently sent. The insect/plant paper co-authored by John Smart is something I will make great use of in my history of life lectures. We have found your comments on pollen (particularly Circumpolles data) especially interesting in connection with our own work on early Jurassic of North America. This is a really useful paper. I have previously seen your Dorset paper, but it is very useful to have a separate copy for use in the office. Cicatricosisporites seems to be an extremely useful deal.

Thanks again. Best wishes.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/vsi

June 24, 1974

Mr. N.F. Hughes
President, ICP
Geology Department
Sedgwick Museum
Cambridge, England CB2 3EQ

Dear Norman:

Thank you so much for your thorough letter of 14 June, in which you comment on points brought up by Harry Leffingwell and me earlier regarding the Constitution. I suppose Harry and I would still not be entirely satisfied by some of the things that will go into the Constitution, but if a procedure is provided for amending the Constitution without insuperable difficulty, I suppose that we simply can try to see to it that changes we would like are incorporated over a period of time. That is certainly what has happened in the AASP. The present Constitution is a quite different document from the one which we drew up in early 1968.

I do not really agree with you regarding mail votes. All American societies operate that way, and it gives the scattered brethren a feeling of participation. I really can see no objection to it at all, and it does give a more democratic air to the proceedings. It has been our experience in the AASP that there is almost no danger of a small group waging a mail campaign and overturning the majority. This has been tried a couple of times (for example, when a group of Canadians tried to change the name of the organization), but seems to have little chance of success.

I also should probably hasten to tell you that I must have given an incorrect impression somewhere along the line. While Jane Gray and Frank Staplin have never joined the AASP, Bob Kosanke has been a member for some time, as Dick Scott is. The holdouts in Denver are Leopold and Tschudy, for whom it has apparently become sort of a badge of honor or something!

Best wishes.

Yours very truly,

Alfred Traverse
Professor of Palynology

100% COTTON
Fidelity Union Skin
Galebeck
March 26, 1974

Mr. Norman Hughes
Sedgwick Museum
Downing Street
Cambridge, England CB2 3EQ

Dear Norman:

Sometime ago Harry Leffingwell and I corresponded about the ICP Constitutional draft, and I wanted to let you have whatever benefit might be derived from reading Harry's comments. However, I thought it unethical to send them on to you without Harry's approval, and I wrote asking for same. Harry just responded that he had no objection, so I am sending the xerox along herewith. The only problem is that now so much time has elapsed that perhaps this does no good. Anyway, perhaps I get a point or two for trying?

Best wishes in your work and in all respects.

Yours cordially,

Alfred Traverse
Professor of Palynology

AT/vsi
Enclosure: xerox of letter

February 8, 1973

Dr. Norman F. Hughes
Department of Geology
Sedgwick Museum
Cambridge, England

Dear Norman:

Thank you very much for yours of 29 January. It arrived in only a week which is nowadays remarkably fast. I was, of course, very pleased that Don Engelhardt nominated me to be a member of the ICP Council, and I hope that I shall be able to make some small contribution. At the very least, I can assure you that incompatibility with the President will be no problem!

Looking forward to getting the papers which you indicated were on their way and with very best wishes to you personally, I am

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT:vs

DEPARTMENT OF GEOLOGY
UNIVERSITY OF CAMBRIDGE

TELEPHONE (0223) 51585-7

SEDGWICK MUSEUM
DOWNING STREET
CAMBRIDGE
CB2 3EQ

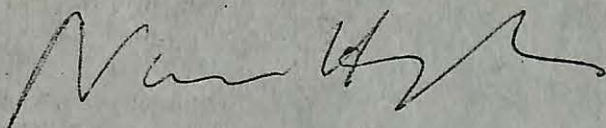
29 January 1973.

Dr. Donald W. Engelhardt,
Amoco Production Company,
Security Life Building,
Denver, Colorado 80202,
U.S.A.

Dear Dr. Engelhardt,

Thank you for your letter of 16 January concerning your nomination of Al Traverse to serve with us on ICP Council. As you are probably aware I know him quite well and welcome this, although of course we would have been equally happy to have had yourself in this position.

Yours sincerely,



N. F. Hughes.

*Al;
For your information —
Don*

DEPARTMENT OF GEOLOGY
UNIVERSITY OF CAMBRIDGE

TELEPHONE (0223) 51585-7

SEDGWICK MUSEUM
DOWNING STREET
CAMBRIDGE
CB2 3EQ

29 January 1973

Dr. Al Traverse,
Catalog of Fossil Spores and Pollen,
529 Deike Building,
The Pennsylvania State University,
University Park,
Pennsylvania 16802,
U.S.A.

Dear Al,

I have just heard from Don Engelhardt that you are to be the additional coopted member of ICP Council to give us first hand information on matters concerning the United States. This is very welcome as we already know each other and I think you have some idea of what we are trying to do. I will send you separately a set of copies of the relevant papers as soon as I can dig them out.

With best wishes,

Yours sincerely,



December 7, 1972

Mr. Norman F. Hughes
Department of Geology
University of Cambridge
Downing Street
Cambridge, England CB2 3EQ

Dear Norman:

Thank you for your nice letter of 20 November. We do indeed have publication problems, but I still think that we are doing is worthwhile. It not only is a drag on my time, however, but takes up something approaching half of it!

Under separate cover we are shipping you a copy of the index to Volumes 1-10. We don't really refer to them as Index 1, 2 & 3 except informally. They are known as Index to Vol. 1-10, Index to Vol. 11-20, etc. There will soon be a fourth in the series. You will also be billed for this copy of the first index volume.

Hoping that you are a-okay in most respects and with best wishes for the holiday season, I am

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT/vsi

DEPARTMENT OF GEOLOGY
UNIVERSITY OF CAMBRIDGE

TELEPHONE (0223) 51585-7

SEDGWICK MUSEUM
DOWNING STREET
CAMBRIDGE
CB2 3EQ

20 November 1972.

Professor A. Traverse,
Catalog of Fossil Spores and Pollen,
Deike Building,
The Pennsylvania State University,
University Park, Pennsylvania 16802,
U.S.A.

Dear Al,

Thank you for your letter of 14 November. I am sure we can straighten this out quite simply now. I appreciate the difficulties of your publication which I know are not of your own making, but I thought it suitable to indicate what is said, at least in this part of the world, about it. I am very glad to hear that Volume 35 is on the way and I hope the whole thing is not too much of a drag on your time. I am puzzled about the index problem and am trying to elucidate this.

With best wishes,

Yours sincerely,



N. F. Hughes

It is odder than I thought. I ~~do~~ do have Index 3 as you suggest but have apparently never had Index 1, hence the confusion. If you still have Index 1, can you let me have one to complete the set? ~~Answer~~ The binding does not have Index numbers on the spine

NF

still in press?

INTERNATIONAL
COMMISSION FOR
PALYNOLOGY

N.F. HUGHES *President*
GEOLOGY DEPT
SEDGWICK MUSEUM
DOWNING STREET
CAMBRIDGE
ENGLAND CB2 3EQ

M.D. MUIR *Secretary*
GEOLOGY DEPT
ROYAL SCHOOL OF MINES
PRINCE CONSORT ROAD
LONDON
ENGLAND SW7 2BP

Please reply to NY76

17 November 1972.

Dr. Donald Engelhardt,
Amoco Production Company,
Security Life Building,
Denver, Colorado 80202,
U.S.A.

Dear Dr. Engelhardt,

May I congratulate you on your election as President of AASP, of which I am a member although I have not yet had a chance to attend any meeting.

As I think you know we have agreed to make the ICP Council more regionally representative by coopting if possible a United States citizen to serve with us. This service will be for the rest of the term until 1976. We all serve as individuals and not as delegates; this may eventually be changed in a new constitution which we are drafting but this could not become applicable before 1976. Naturally we all in our minds represent certain interests but we try not to do so in a formal sense.

This letter is to ask whether you personally will be willing to accept cooption to the ICP Council as suggested above, or whether you prefer to nominate another United States palynologist to help us in this way.

Yours sincerely,



N. F. Hughes. ✓

November 14, 1972

Mr. Norman F. Hughes
Department of Geology
Sedgwick Museum
Downing Street
Cambridge, England CB2 3EQ

Dear Norman:

Margie Whiting has referred your letter of 8 November to me. Before answering the specific problems, I cannot help but react to your statement that you can't take us seriously because of our irregular publication schedule. I think the problem is that you may have understood us to be a periodical, which we are not. We are an encyclopedia. I do hope that if you don't take Robert Potonié seriously it is not because the various numbers of the Synopsis did not come out on a regular publication schedule!

Taking the problems you have raised from the bottom up:

3. Although our records do not show payment for Volume 25, I think you are quite right in urging the statute of limitations. Our billing procedures may be somewhat antediluvian now, but they were chaotic around the time I came here, which is the time in question. So let's forget it.
2. I am very puzzled about the Index 3 question. That is indeed the index which we shipped out in 1970. There have been 3 indices. Index 1 covered Volumes 1-10; Index 2 covered Volumes 11-20; Index 3 covered Volumes 21-30. I cannot see how you would have been shipped the Index to Volumes 11-20 in 1970. Please check again. You should have received the Index to Volumes 21-30. That is the one for which you are supposed to be still in arrears.
1. I guess you agree with the billing for Volumes 33-34. Volume 35 is on its way.

Mr. Norman F. Hughes

-2-

November 14, 1972

I do hope you approve of the ~~many~~ changes I have made in the Catalog--consecutive pagination, new binder, appendices for new combinations, Nomenclatural Comments, etc. We could also produce more volumes if we had more money.

Best wishes.

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT/vsi

DEPARTMENT OF GEOLOGY
UNIVERSITY OF CAMBRIDGE

TELEPHONE (0223) 51585-7

SEDGWICK MUSEUM
DOWNING STREET
CAMBRIDGE
CB2 3EQ

8 November 1972

Mrs. M. Whiting,
Secretary,
Catalog of Fossil Spores and Pollen,
Deike Building,
The Pennsylvania State University,
University Park,
Pennsylvania 16802,
U.S.A.



Dear Mrs. Whiting,

Thank you for your timely reminder of 9 October that all is not well with my subscription to the Catalog of Fossil Spores and Pollen. Although I have been a subscriber since the beginning I am sure you will appreciate that it is difficult to take very seriously a publication which is entirely sporadic and for which the number of volumes and their price (i.e. the plan) are not notified ahead to the subscribers.

1. Volumes 33 & 34 have obviously not yet been paid for.
2. Index 3. Do you perhaps mean index 2 which I received in 1970; I have no record of index 3.
3. Volume 25. Since on 19 December 1969 you informed me that my account was in credit and that as a result I would not be charged for volume 32 (and was not so charged), I cannot accept responsibility now for something done in 1966; otherwise there is no limit.

I will make the necessary payment as soon as you let me know what the situation is about the index volume.

Yours sincerely,

A handwritten signature in dark ink, appearing to read "N. F. Hughes".

N. F. Hughes.

DEPARTMENT OF GEOLOGY
UNIVERSITY OF CAMBRIDGE

TELEPHONE (0223) 51585-7

SEDGWICK MUSEUM
DOWNING STREET
CAMBRIDGE
CB2 3EQ

26 July, 1972.

Dear Al,

Thank you for your letter of 22 June, concerning the ICP. I am sorry about the error concerning the AASP Presidency, but I had forgotten that your date was October.

As you can guess, the Indians and the Russians are potentially fairly difficult on the Council. The new arrangements were because of a most peculiar procedure laid down in Novosibirsk before I was elected; I accepted the election because it seemed clear that there would be even more confusion if I did not.

We are trying to build an organization different from the national/regional organization, but I do not foresee completion of this aim before 1976. In the meantime, we shall try with the help of AASP and others, to produce a proper constitution in good time.

I hope we shall remain in touch, and we shall be sending out further papers.

Best wishes.

Yours sincerely,



N.F. Hughes.

DEPARTMENT OF GEOLOGY
UNIVERSITY OF CAMBRIDGE

TELEPHONE (0223) 51585-7

SEDGWICK MUSEUM
DOWNING STREET
CAMBRIDGE
CB2 3EQ

25 May 1972

Professor A. Traverse,
Catalog of Fossil Spores and Pollen,
Deike Building,
The Pennsylvania State University,
University Park,
Pennsylvania 16802,
U.S.A.

Dear Al,

Many thanks for your note of 16 May. We have never tried to argue that the Council of ICP is representative. It is of course purely accidental that the AASP President of the year happened to be a Canadian whom AASP actually sent briefed to Novosibirsk. I suppose the worse mess we make of taking a balanced view, the more United States citizens will be voted on in 1976. We seriously intend to produce a viable Constitution to be approved in 1976; we certainly did not inherit one. I hope Marjorie and I will remain in pretty close touch with our American friends so that we make arrangements which look sensible to you. At least we can understand what you say; I have just had a long difficult letter from Moscow in Russian and it is going to be very hard to find out what goes on in the mind in the USSR.

Best wishes and please bear with us if you can't help us.

Regards,



N. F. HUGHES.

CATALOG OF FOSSIL SPORES AND POLLEN



DEIKE BUILDING
THE PENNSYLVANIA STATE UNIVERSITY
UNIVERSITY PARK, PENNSYLVANIA 16802
U. S. A.

THE
INTERNATIONAL COMPENDIUM
OF
PALYNOLOGICAL SYSTEMATICS

22 June, 1972

Mr. Norman F. Hughes
Department of Geology--Sedgwick Museum
University of Cambridge
Cambridge, England

Dear Norman:

Thanks for yours of 25 May, which awaited my return from a foray to Harvard (festivities for the 25th reunion of my class in college).

It is interesting to learn that you of ICP have not considered the Council to be representative. In my opinion, that is a flaw!

In any case, I would like to correct your impression that Geoff Norris was the "AASP president of the year" when in Novosibirsk. The president at the time was the undersigned. Furthermore, for whatever importance accuracy may have in these matters, it is more nearly correct to describe Geoff as a resident of Canada than as a Canadian.

In any event, I do sympathize with you and Marjorie in the problems you are encountering. In many ways they are analagous to problems we faced in getting AASP going five years ago. I still am convinced that your problems will be fewer if the practical political facts are recognized--among others, they are that the overwhelming majority of world palynologists are Soviet, US, and Indian (in that order?), and that the strongest organization in world palynology at the moment is unquestionably AASP.

I personally wish ICP Council well in their efforts. Do not hesitate to call on me for advice or other help if it would be useful.

Best wishes as ever.

Yours very truly,

Alfred Traverse
Professor of Geology and Biology

May 15, 1972

Mr. Norman F. Hughes
Department of Geology
Sedgwick Museum
Downing Street
Cambridge, England

Dear Norman:

Thank you for the recently received Circular for the ICP. I am presuming that Bob Clarke and Geoff Norris will see to it that the important parts of the Circular, if not its entire contents, are submitted to the membership of AASP by way of our periodic Newsletter. Just out of personal curiosity I would some day appreciate a comment as to how the Council can possibly be construed to be representative and have not one single member from the United States of America. It does seem very strange when you consider that the only greater concentration of palynologists in the world is in the Soviet Union. There are at least 400 palynologists in the USA. I suspect that you will encounter some resistance and reluctance from American palynologists to the ICP when they notice that the Council contains no American representation.

With best wishes to you in what you are trying to do and with the hope that it will contribute to the well being of international palynology, I am

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT/vsi

cc Robert Clarke
Geoff Norris

DEPARTMENT OF GEOLOGY
UNIVERSITY OF CAMBRIDGE

Conner
Huber

TELEPHONE 51585-7 (STD OCA 3)

SEDGWICK MUSEUM
DOWNING STREET
CAMBRIDGE
CB2 3EQ

24 January 1972

Dr. G. Norris,
President,
American Association Stratigraphic Palynologists,
Department of Geology,
University of Toronto,
Toronto 181,
Ontario, Canada.

Dear Geoff,

As several of the points in your long letter of 25 November appear to be based on misconceptions about ICP, which at this moment is so young that I have not officially declared the composition of its Council, I will answer by making points of my own:-

1. Council. The size of Council and most of its composition were predetermined at Novosibirsk, mostly before I was elected myself. The three extra members I am adding (but I have not yet done so) are chosen with the various balances in mind but obviously the constraints are considerable. Apart from yourself the other two new members are to be Pacltova and Faegri. This will be the position until 1976, when a ~~substantive~~ new Constitution, which this Council will be responsible for preparing, will I hope be adopted.
2. The Constitution. As the idea of basing ICP on national/regional societies rather than on individuals was mine I shall obviously consult all such existing societies. It follows anyway that if ICP is to ask such societies for membership dues their opinions must be accommodated. A fair system of voting will be necessary as part of the Constitution, but personally I hope they will usually reach concessions without voting. Voting in such affairs is only a formal but unsatisfactory way of making temporary adjournments of business.
3. The Subcommittees. These are intended to be purely scientific and their purpose at the moment is to encourage working groups on selected topics appointed by the Council. The Subcommittee membership, apart from their Chairmen (Vice-Presidents) is to consist mainly of the working group conveners as they are approved, and of a few other persons specially selected to help.
4. Working Groups. The members of the working groups are solely responsible to their conveners and are not personally part of the ICP official hierarchy.
5. 1976 Conference. There will of course be privately offered papers as well as symposia from working groups.

Cont'd...

6. National/Regional Societies. You mention the needs of the Societies without specifying anything; this I believe is one of the first things I want to know. Representation is a desired method of operation but not a need.
7. International funding from above. This will be nil until we are properly formed and seen to be functioning; after that I believe it will be small at least for the next few years. On the geological side it has to come through IPU; on the botanical side the position is perhaps a little more hopeful. I think we can keep our costs down by not having too many officials but most of the expense will in the end have to be borne from below.
8. Flexibility. I imagine you would support me over this. I must warn you however that three already appointed Council members have asked me in writing to stick precisely to the letter of the Novosibirsk resolutions!

I hope that unless we have been shown to have failed over a reasonable length of time, say 2 - 3 years, you and AASP will support us in trying to form a useful scientific organisation which may well be imperfect but can be reshaped from 1976.

I would like particularly to have your suggestions of topics for working groups and also for appropriate conveners. The topics should be of five year scope rather than perennial; they should cross conventional "subject" boundaries where possible; they should call for international effort as opposed to similar topics which could be tackled within national/regional societies such as yours. I am of course already aware of your work at Tucson last October on the subject of Data Handling.

I hope I have made it clear in this letter that very little has so far occurred in a formal sense, and that I hope to have the assistance of all of you in building both a useful organisation to run within the present resolutions until 1976 and a viable Constitution to operate thereafter.

With best wishes,

Yours sincerely,



N. F. HUGHES.

President
International Council of Palynology

DEPARTMENT OF GEOLOGY
UNIVERSITY OF CAMBRIDGE

Cover
Hughes

TELEPHONE 51585-7 (STD OCA 3)

SEDGWICK MUSEUM
DOWNING STREET
CAMBRIDGE
CB2 3EQ

24 January 1972

Dr. G. Norris,
Palynologist,
Department of Geology,
University of Toronto,
Toronto 181,
Ontario, Canada.

Dear Geoff,

Many thanks for your letter of 13 January. I enclose my other letter to you as President of AASP but this one is personal.

I am sorry if you have been working under a misapprehension but as yet there is no North American member of Council because I have not declared the remaining three names and therefore these three have not been included in the correspondence (slight as yet) of the half-formed Council. I think you will see that it is essential that the members of the ¹⁹⁷⁶⁻⁶ ~~present small~~ Council should be acting as individual palynologists over the next four years, although obviously in your case it is highly desirable that you should have the backing of AASP. I might add that another Council member has pointed out what I already knew that there are quite a number of North American palynologists who do not subscribe to your organisation. You will see therefore that there has never been an official AASP nominee to Council and it is not allowed for in the current resolutions. What I asked for in August was the help of AASP in correcting the situation in which it looked otherwise as if North America might not be represented at all.

It is so important to get this matter clear that I hope you will continue writing if you are still in any doubt. In the meantime of course I will seek your acceptance of a position as a Council member until the 1976 meeting.

With best wishes,

Yours sincerely,



N. F. HUGHES.

DEPARTMENT OF GEOLOGY
UNIVERSITY OF CAMBRIDGE

TELEPHONE 51585-7

SEDGWICK MUSEUM
DOWNING STREET
CAMBRIDGE
CB2 3EQ

7 January 1972

Dr. G. Norris,
Department of Geology,
University of Toronto,
Toronto 5,
CANADA.

Dear Geoff,

International Committee for Palynology

I hope now to conclude the formation of the Council of ICP, and wish to obtain your acceptance of appointment as a Council Member of ICP for the period 1971-6.

Although I understand that you are unlikely for the moment to present views other than those of AASP of which you are President, I must stress that all the Council appointments are of scientists as individuals who wish to serve the palynological community.

The other members are Muir (Secretary), Bharadwaj, Muller, Neustadt (Vice-Presidents), Jonker (Past-President), Archangelsky, Zaklinskaya, Nair, Pacltova and one other being arranged now (in the field of Actuopalynology or Quaternary).

May I please have your acceptance as soon as possible, as it is urgent to publish the full Council so that business can commence. I shall write shortly to answer the detailed parts of your (AASP) letter of 25 November.

Best wishes,

Yours sincerely,


N. F. HUGHES.

DEPARTMENT OF GEOLOGY
UNIVERSITY OF CAMBRIDGE

Cones
Hughes

TELEPHONE 51585-7

SEDGWICK MUSEUM
DOWNING STREET
CAMBRIDGE
CB2 3EQ

8 December 1971

Dr. G. Norris,
Department of Geology,
University of Toronto,
Toronto 181,
Ontario,
Canada.

Dear Geoff,

I was very glad to have your long detailed letter of 25 November concerning ICP. I will answer this officially and fully, perhaps after Christmas, but this is to acknowledge that we are studying it.

AASP seem already to have many misapprehensions about ICP which are quite unfounded, and virtually nothing is as fixed or adverse as you imply. ICP organisation so far is a nearly completed Council - nothing more. I admit that we are more relaxed about 'representation' than AASP apparently is but will explain this in detail for you.

I have heard from Clarke and hope to submit an application to join AASP.

Best wishes, *W. M. H.*

Yours sincerely,


N. F. HUGHES.

DEPARTMENT OF GEOLOGY
UNIVERSITY OF CAMBRIDGE

TELEPHONE 51585-7

SEDGWICK MUSEUM
DOWNING STREET
CAMBRIDGE
CB2 3EQ

24 September 1971

Professor A. Traverse,
Department of Geology & Geophysics,
The Pennsylvania State University,
University Park,
Pennsylvania 16802,
U.S.A.

Dear Al,

and congratulations!

Many thanks for your letter/ of 14 September concerning representation of AASP on the Council of ICP. Since I last saw Geoff Norris there ~~was~~, *have* as you can imagine, been other delays and it will not now matter that the appointment of your representative is after the meeting in Tucson; in fact I had guessed that this might be the simplest arrangement for you. I have just persuaded Dr. Marjorie Muir to act as Secretary of ICP and I hope we shall soon discover what working groups can be organised and thus arrive at the composition of our Subcommittees.

With best wishes,

Yours sincerely,

Norman Hughes

N. F. HUGHES.

September 14, 1971

Mr. N.F. Hughes
Department of Geology
Sedgewick Museum
Cambridge, England

Dear Norman:

Geoff Norris has shared with me your memorandum to him regarding the ICP. I join him in congratulating you on your election. As Geoff has apparently already told you, I suppose that naming the "AASP nominee for Council" would normally be a function of the Executive Committee of the AASP, which will be meeting in Tucson, Arizona, on the 12th of October. I note that you wish to have such a nominee "as quickly as possible", but I am certain that the membership of the Committee will regard this as an important enough matter that it will have to be discussed fully. In the meantime, perhaps it would not be taken amiss if I were to suggest a pro tem solution to the problem. You could simply designate "the President of the AASP" as temporary member until such time as a decision is made as to what should be done regarding our membership on the Council. My term of office as President expires on the 13th of October of this year, so it is obvious that I am not trying to feather my nest! On the other hand, it might be valuable for you for reasons I don't know to be able to put something down on your list. As you may know, the two nominees who are currently being voted on for the office of President are Geoff Norris and Don Engelhardt. In any case, I would regard this as a temporary solution, and it is likely that somebody will think of something to assure that we have a more permanent representation on the Council than would be provided by having it change every year. I am sure that the secretary of the Association, Bob Clarke, will be in touch with you following the Executive Committee session in October regarding what has been decided. In the meantime, be assured of our interest in what is being done and my personal assurance of whatever cooperation I would be able to offer.

Best wishes to you in your work.

Yours very truly,

Alfred Traverse
Professor of Geology & Biology
President, AASP

AT/vsi
cc Geoff Norris
Robert Clarke
Harry Leffingwell

May 11, 1970

Dr. Norman F. Hughes
Geology Department
Sedgwick Museum
Cambridge University
Cambridge, England

Dear Norman:

Thanks for the reprint of "A Method of Stratigraphic Correlation Using Cretaceous Spores" and the interesting little tid bit, "Hierarchy in Stratigraphical Nomenclature". Your stratigraphic method is, as you probably know, similar in many respects to what is actually done in the palynological laboratories of some of the oil companies, though they do not use the term "biorecord" nor handle the information quite the same as you do. The general idea, however, is almost identical. That such a scheme will work in the way that you want it to, I don't think there is any question. Please give my best wishes to whomever else in your group may still remember me. I look forward to seeing you again one of these years.

Yours very truly,

Alfred Traverse
Associate Professor of
Geology and Biology

AT/mrw

June 17, 1969

Dr. Norman Hughes ✓
Department of Geology
University of Cambridge
Sedgwick Museum
Downing St.
Cambridge, England

Dear Norman:

Yes, indeed, I am still secretary-treasurer of the AASP--quite a job. Besides that, I am organizer and local chairman of the second annual convention of that thriving organization. Really has me worried. Convention is 19-22 october. Chaloner came to the first one in Baton Rouge last year. Nygreen and McGregor are the ex-pres. and ex-vice pres. Perhaps you should send a copy of the Pacltova-Hughes proposition to the current president, Dr. C. F. Upshaw, Pan American Petroleum Corporation, P. O. Box 591, Tulsa, Okla. 74102

Regarding the proposition itself--it seems perfectly sound to me, and I hope that something along the lines you suggest will indeed come about. Indeed, I seem to recall that the work of the International Committee for Palynology vis a vis the 1971 meeting was slightly stalled by the lack of formal international affiliation of the sort you favor. If ICP has relationships with both IUBS and IUCS, that would seem to me ideal and in perfect agreement with the borderline nature of all good paleobotanical work, including palynological research.

Dr. Norman Hughes
June 17, 1969
Page 2

Best wishes to you and my other friends at Cambridge. I wish you could pop in for a while to work with Sanders and me on our information retrieval project. Sanders is making very good progress, about which you will doubtless hear in the future, unless the funding agencies are too responsive to our jealous critics and "cut off our water".

Yours very truly,

Alfred Traverse
Secretary-Treasurer

vsi



CHEVRON OIL COMPANY

670 FIRST NATIONAL BLDG. OKLAHOMA CITY OKLAHOMA 73102

June 17, 1969

MID-CONTINENT OPERATIONS

Mr. Norman Hughes
Department of Geology
Sedwick Museum
Downing Street
Cambridge, England

Dear Norman:

On behalf of AASP, I acknowledge receipt of your letter of 9 June and the attached open letter concerning IPU. The letters have been forwarded to our current President, Dr. Charles Upshaw, whose address as well as the names and addresses of other current Executive Committee Members will be found attached.

As an individual I will here briefly state my initial reactions to some of the points raised.

It is gratifying that paleobotany/palynology is losing its stigma of being a stepchild of paleontology and the actions of IPU are encouraging.

The independent organizations mentioned in your point 4 is a very healthy sign although, as stated, very complex. A complexity of organizations signifies vitality. It has always been my contention that increasing taxonomic chaos signifies activity and any group of organisms with a static taxonomy indicates lack of activity concerning the group. The recognition of the complexities of organization does not make a synthesis any easier but it certainly makes the fruitfulness more satisfying.

The statement in point 6 is very pleasing and was certainly in the thoughts of many of the founding members of the American Association of Stratigraphic Palynologists. Some of my paleontologic colleagues are of the strong opinion that too many paleontological organizations are dominated by biologists.

Data storage and retrieval programs and problems are beginning to be investigated by a "task force" reporting to the "Joint Committee on Paleontologic Information." The JCPI is composed of representatives of various paleontological organizations in the United States. The studies and results of these findings will be indeed interesting but at the moment I find it difficult to envision equal applicability to all paleontologic material.

June 17, 1969

Points 9 through 12 concerns primarily a unified paleobotanical body with perhaps joint affiliation. While I personally would be sympathetic to closer ties of all paleobotanists to geology I presently visualize great difficulty in accomplishing more than a temporary organizational unity, and then only for temporary objectives. As previously implied, the complexity of current diverse organizations indicates a vitality in the broad field of paleobotany (including paleopalynology). The content of allied fields is available to those interested and by the situation as it now and has long existed--paleobiologic information is available to all paleontologists. I fail to grasp the necessity of additional organizations but welcome endeavors to strengthen paleobotanical programs at IPU meetings.

Yours very truly,

Paul W. Nygreen

PWN:sjb

Attachment

cc: Dr. Charles F. Upshaw
Dr. D. C. McGregor
→ Dr. Alfred Traverse

DEPARTMENT OF GEOLOGY
UNIVERSITY OF CAMBRIDGE

TELEPHONE 51585-7 (STD OCA 3)

SEDGWICK MUSEUM
DOWNING STREET
CAMBRIDGE
CB2 3EQ

Dr Alfred Traverse
Penn State

9 Jun 69

Dear Al

I am sending you the enclosed letter hoping you are still Secretary-Treasurer of AASP, but if not as an active palaeobotanist whose opinion I hope to hear. As you usually provide some grit to my propositions, I do not imagine this will be any exception! I have also sent it to Nygreen and McGregor, but it could well go to others you may wish to name.

With best wishes



NORMan Hughes

PALAEOBOTANY AND THE INTERNATIONAL PALAEONTOLOGICAL UNION (IPU)

Open letter from: Blanka Pacltova and Norman Hughes
To: Officers of palaeobotanical organisations and
other palaeobotanists

Prague
21 May, 1969

On 17 May 69 at Liblice, Czechoslovakia, we attended by invitation a meeting of the Executive Committee of the International Palaeontological Union, to discuss the role of palaeobotany in the future of IPU following the re-organisation of the Union that began when the new Policy Committee was appointed at the General Meeting of the Union in Prague in August 1968. Dr. A.A. Manten was also invited but was unable to attend.

We report to colleagues on the meeting, and add some comments of our own on the situation and the possibilities:

1. All those present at this Committee meeting agreed with us that it was most important for the future of palaeontology as a whole, and for the development of palaeobotany/palynology, that IPU should in future include full representation of palaeobotany in its activities, and we hope eventually in its membership.
2. As a result we were asked by the Executive Committee to explore all possibilities of co-operation between the International Palaeontological Union and the several existing palaeobotanical (including palynological) organisations.
3. IPU is affiliated to the International Union of Geological Sciences (IUGS), and holds meetings at International Geological Congresses convened through IUGS. Hitherto IPU meetings have been mainly concerned with invertebrate palaeozoology, although a successful palaeobotanical session was initiated in the Prague Congress (August 1968).
4. We appreciate that it would have been better to have brought palaeobotany/palynology into IPU several years ago, and that now there is a complex of independent organisations such as IOP (International Organisation of Palaeobotany - affil. IAPT and thus IUBS), ICP (International Committee for Palynology - Secretary A.A. Manten, affil. IUBS), CIMP (Commission Internationale du microflore du Paleozoique - affil. Stratigraphy Commission, IUGS), AASP (American Association of Stratigraphic Palynologists), MPC (Mesozoic Palynology Committee), and various national committees as in India and France.
5. We both work in palaeo-palynology as well as palaeobotany, and we believe that neither topic can any longer progress far without the other.
6. We believe that full stratigraphic study of fossil occurrences is indispensable to all palaeobotanic work, however 'biologic' the intention of the work may be.
7. We believe that data storage and retrieval studies in progress now and being planned, should be equally applicable to all palaeontologic material.

8. We find that the very long history of 'Phanerophytic' time, in support of the relatively brief Phanerozoic, is of growing importance in geology.
9. Thus a new palaeobotanic affiliation to IPU (and thereby to IUGS), in addition to existing affiliations to IUBS, appears to be most desirable; the objects would be the spread of palaeobiologic information to all palaeontologists alike, and the arrangement of co-ordinated palaeobotanic and other palaeobiologic activity at IPU meetings.
10. A joint IUBS and IUGS affiliation of a unified palaeobotanic body (e.g. IOP + ICP) appears to be the most attractive solution. We cannot support the suggestion that palaeobotany should remain with IUBS, with palynology going to IUGS; this would create a great weakness in the middle of our subject.
11. Palynology is already divided into (a) Palaeo-palynology, (b) Quaternary pollen analysis, and (c) Actuo-palynology'. While the three are clearly to some extent inter-dependent, we suggest that 'Palynology' as a whole is not the best unit to consider for affiliation. As (b) is separately covered by INQUA (Quaternary), and (c) could well be considered alone, we believe that only (a) should be considered in this context, leaving workers in (b) or (c) to join (a) if interested.
12. Palaeobotany (without palaeo-palynology) is undoubtedly dominated by workers primarily trained in botany, but this situation makes a genuine geology connection all the more important for our subject.

It appears to us to make good sense to work towards definite arrangements in time for the IPU meetings at the XXIV International Geological Congress at Montreal in 1972. To this end as wide discussion as possible would be valuable at the following and other meetings: International Botanic Congress Seattle (August 1969), Chicago Conference of American Palaeontologists (September 1969), Hungarian Geological Institute Centenary meeting (September 1969), Third International Palynological Conference (Novosibirsk 1971), et cetera.

We wish to emphasise that we make no personal claim to be representative, and we hope that any affiliations arranged will result in normal representation of the organisations concerned.

May we please therefore have comments for or against any of the numbered points made above, and any further suggestions, from organisations concerned or from individuals, so that we may discuss further and ultimately if possible advise IPU.

Blanka Pacltova
Department of Palaeontology,
Charles University,
Praha 2, Albertov 6, Czechoslovakia.

Norman Hughes
Department of Geology,
Sedgwick Museum,
Downing Street,
Cambridge, England.

Copies: IPU IOP ICP CIMP AASP MPC D.C. McGregor,
A.F. Chlonova, and others.

June 14, 1968

AIR MAIL

Dr. Norman F. Hughes
Department of Geology
University of Cambridge
Sedgwick Museum
Cambridge, England

Dear Norman:

Thanks for yours of 6 June. I guess I should have been more reserved in my earlier one--I am not 100% sure that the NSF cash will come through--but I was given such oral assurance by the man in charge. There still could be a slip betwixt cup and lip.

Should the money come through, I think it might represent a unique opportunity to explore the sort of ideas that you have been considering for a couple of years and with great freedom from other obligations. Really, it would be ideal if you personally were in a position to come over and do this, but I knew that was unlikely and was reluctant to suggest the possibility to somebody of your stature.

At the outset, this particular project will have to work within the scope of what is available in the literature, which means definitely that the data reference points will be traditional taxa. That is what the literature, for the most part, tells us about. The idea is to get all of the data in the literature on lithology, stratigraphic position, morphology, taxonomy, etc., in some sort of storable and retrievable form on tapes, to become part of a national network of micropaleontological data. However, I think that the person who does this sort of thing here will, if he has the imagination, naturally be thinking about still more revolutionary ideas of by-passing the traditional taxa altogether. At this point, I still think that genus and species is as good a way of handling the data reference points as any (PC3-65 is, after all, a sort of genus and species). It is obvious that genus-and-species for fossil pollen has different significance from genus-and-species in modern plants, but I don't think that is a real barrier to use of a binomial nomenclature. Genus and species in the grasses has different significance from genus and species in the bacteria too!

Well, if you have any brainstorm about somebody I might get who would like to work on this deal here, should it really come through--do let me know, because it takes a long time to get these things ironed out, I know. If it goes through, it is likely that it will circa July, and we should start work before too long after that.

Best wishes.

Yours very truly,

Alfred Traverse
Associate Professor of Geology

AT:kwc

DEPARTMENT OF GEOLOGY
UNIVERSITY OF CAMBRIDGE

TELEPHONE 51585-7

SEDGWICK MUSEUM
CAMBRIDGE

6 Jun 68

Dear Al

I am very glad to hear that you have your NSF money, and sorry not to have replied earlier to your February letter. The subject is so important that immediate reactions seemed irrelevant, but that is the way to fail to get letters written!

David Williams is away for a few days but I will discuss it with him in a day or so; he is fully employed at present but I will not say more now.

I regard wise decisions on data storage, which of course affects all our work whether we like that or not, as the only salvation in this decade for palynology, palaeobotany, palaeontology, and even geology. I realise that the position in botany is different, but fundamentally not all that different.

Although I am not advocating ignoring or scrapping already published work, I am sure that plans must be laid for the future, and we must clear up the past as best we can. I am not of course quite sure about what you intend to do, but it seems to me that storage of 'past' data will mean decisions on how much skilled time one is justified in spending on making old information available for storage or even on assessing it. This means decisions on what we will require as standards of work for the next ten (or twenty) years. My inclination is to take a tough line (although it must be economically viable), and leave all the license that scientists need on the interpretation side; my views are perhaps coloured by much editing, but I have tried to think as broadly as possible and I have been much concerned lately with parallel problems over stratigraphic information.

From 15 Feb: I think you are right that Linnaeus did tackle rocks as well, but it did not stick. My point is that it is now clear that Linn system of nomenclature etc is only suitable for plants and animals that are time-confined, and for which genetic limits can be tested. There is no blame on Linnaeus, only on us for following without proper discrimination. What we do now is self-defeating in stratigraphy, and stratigraphy is after all the only ultimate aim of palaeontology, other than amusement.

Will write again: many thanks for your letters.



N P H
Hunt Institute for Botanical Documentation

May 29, 1968

AIR MAIL

Dr. Norman Hughes
Department of Geology
Sedgwick Museum
Cambridge, England

Dear Norman:

It appears that my semi-serious proposal to National Science Foundation to develop systems for data storage and retrieval in palynology probably will be funded in a couple of months. I know this is an area in which you have done much thinking and work. In all seriousness (I don't think you took it as more than a jest when I last raised the topic)--could you suggest somebody who would like to come here for two years at \$10,000-\$12,000 per annum (depending on age, status, etc.) to work with me on this? Is it a sort of thing that would interest Dave Williams?

Naturally, the person who does this does not have to spend so much time on the information system as to be unable to take advantage of our good general facilities for palynological research, provided that we produce the work expected of us on the project.

Yours very truly,

Alfred Traverse
Associate Professor of Geology
Editor
Catalog of Fossil Spores and Pollen

AT:kwc

February 15, 1968

Dr. N.F. Hughes
Department of Geology
Sedgwick Museum
Cambridge, England

Dear Norm:

Enjoyed yours of the 4th and shared parts of it with my palynology class, whom I have been guiding through the tortuous corridors of anteturmae, form and organ genera, etc. The students naturally think the whole thing is wild and wonderful. I still think that we are going to have names in addition to numbers. Did I tell you in my recent letter that I am quite probably going to get involved in a massive effort to get palynological data into a data retrieval system? If it goes through (i.e., if the Vietnam war doesn't keep me from getting the money), do you have anybody who would be interested in coming over for a year and applying your ideas to the coding of palynological data in a practical way and on a big scale? I am really quite serious--if the money comes through.

You are not really correct about the Linnean (i.e., binomial) system being devised for living things. It was straight out of Aristotle, via Aquinas, and in theory could be applied to anything because "genera" and "species" were real things in the mind of God. Unless my memory is playing tricks on me, Linneus in fact came up with binomial nomenclature for rocks as well as animals and plants.

Taxodium is very common all over the eastern coastal plain in swamps from Virginia south to the tropics--especially abundant in the South Florida area for example--and also in swamps in the Mississippi Embayment as far north as central Illinois--in the west in river bottoms to West Texas and Kansas. In South Texas a distinct species is found that goes on down into Mexico. Obviously, it is less of a swamp plant than T. distichum!

Best wishes.

Yours very truly,

Alfred Traverse
Associate Professor of Geology

Cambridge

4 Feb 68

Dear Al.

It was kind of you to write (11 Jan) concerning some of my recent effusions. I have just sent you a little more!

Yes I was aware of Taxodium etc. (Great Dixiel Swamp but not many other places?). Perhaps wrongly I regard this as a relic of widespread Tertiary temperate occurrences but not identifiable before mid-Cretaceous, if then.

You are of course right about 'macrofossil' but it is commonly used over here. In a sense I would like to avoid the word microfossil entirely; palaeontology is all one, and we must not forget that.

I do not expect botanical palaeobotanists to be too sympathetic to my 'grinds', but I am absolutely convinced that before matters get any worse we must clearly separate palaeobotanical (& stratigraphical) data from interpretative items (like Limnium taxa!) — for record. Data storage and retrieval if for no other reason. Limnium taxa etc are OK (were designed) for living biota, but I have come to the conclusion that the current unthinking use of them is an obstruction to progress of our science!

You see I have got it badly.

Best wishes

Norm

January 11, 1968

Dr. N.F. Hughes
Sedgwick Museum
Downing Street
Cambridge, England

Dear Norm:

Many thanks for the copies of "Palynological facies....", "Einige Vorschläge....", "Descriptions of schizaeaceous spores....", "Extraction of spores....".

Naturally, I appreciate very much the possibility of keeping up in this way with what you have been doing. The data on the C.I.M.P. experiment are most interesting and a little frightening. I am having a great deal of difficulty convincing myself that abandoning binomial nomenclature will really be necessary in palynology to accomplish the aims you suggest. Careful monographing of various groups by specialists and somewhat more reluctance to name new species would do more to achieve a rational nomenclature.

In the facies paper, p. 264, l. 7 of the last para: are you aware that species of Taxodium and Glyptostrobus are coastal swamp plants?

Another small quibble: shouldntt the antonym of microfossil be megafossil? (i.e., check your Greed)

Just had a visit with J. Groot who blew in from Delaware. I gather that he has spent about as much time in Cambridge as I have.

Best wishes.

Ernst
Yours very truly,

Fidelity
Alfred Traverse
Associate Professor of Geology

AT:kwc

Department of Geology-Geophysics
Pennsylvania State University
University Park, Pennsylvania 16802
U. S. A.

BUREAU OF ECONOMIC GEOLOGY
THE UNITED STATES
DEPARTMENT OF THE INTERIOR
UNIVERSITY STATION
LEHIGH AVENUE

22 July, 1966

Dr. N. F. Hughes
Department of Geology
Sedgwick Museum
University of Cambridge
Cambridge, England

Dear Norman:


Yours of the 18th came just an hour after I posted mine of earlier today, re the proposed (by me) trip to Whitby.

The idea so interests me that despite your inability to come along, I am still toying with the idea of making the trip. Will you return to Cambridge right after the Utrecht meeting? Is there a chance that some student from Cambridge might wish to accompany me, or is there a man at one of the northern universities (Dunham?) who would be sufficiently up on the Whitby locality to be a suitable contact.

Tentatively, I could plan to go to Cambridge after Utrecht (4 Sept. or so), get whatever dope you could give me, and procede to Whitby. What would you think of renting a car for the excursion? I could arrange it from here, but would appreciate your comments on how practical the idea is.

Sorry to be such a nuisance. Perhaps I shall yet be able to reciprocate your kindnesses over the years.

Yours very truly,


Alfred Traverse
Associate Professor of Geology

Department of Geology-Geophysics
Pennsylvania State University
University Park, Pa. 16802
U. S. A.

21 July, 1966

Dr. Norman Hughes
Department of Geology
Sedgwick Museum
Cambridge University
Cambridge, England

Dear Norman:

I'm sending this along in case an earlier one might have miscarried, in which I suggested that it would be of considerable interest to me if it were possible for me to visit the Whitby jet locality with you after the international pollen meeting in early September. I probably was presumptuous in my suggestion, but I thought there was in your earlier letter a slight indication of interest on your part. At any rate, this is just to reiterate that such a project would be of value to me, and I would cancel out of the post-meeting field trip under the circumstances-- I really had only a modest interest in it anyway.

Point is, I'm making plane reservations and whatnot and must come to some decision as to what to do. Initially, I have made my return reservations via London, so that I have open the possibility of this field trip with you and-or others.

It will, in any event, be good fun to see you again.

Yours as ever,

Alfred Traverse
Associate Professor of Geology

W102 11 1966
UNIVERSITY PARK, PA. 16802
THE UNIVERSITY OF PENNSYLVANIA
DEPARTMENT OF GEOLOGY
UNIVERSITY PARK, PA. 16802

THE UNIVERSITY OF TEXAS

Cambridge

2 Aug 66

Dear Al,

Thanks for both your letters of 21/22 July. I am returning to Cambridge on 4 Sept but shall probably only be here for perhaps a matter of hours before leaving again. I am sorry not to be more helpful but I have to work right up to the time of Utrecht, and then go away afterwards.

As regards Whitby, why not write to Mrs Marjorie Muir, Dept. of Geology, Imperial College, Prince Consort Road, London S.W.7. She was a student of Bill Chaloner's and wrote about two years ago a thesis on the palynology of the Yorkshire Middle Jurassic (not yet published, but good). She may well be at Utrecht, although I have not asked her if she is attending. She is the most likely person I can think of to know the latest about the area.

A car would be desirable for Whitby, as I believe the railway is now closed. It might be easier to hire it from YORK (which is easy by rail from London); driving a strange car out of London would not be my choice for pleasure!

Best wishes. Hope this gets you on time.



N.F. Hughes

UNIVERSITY OF CAMBRIDGE

Department of Geology,
Sedgwick Museum,
Cambridge.


18 July 1966.

Dear Al,

Many thanks for your letter of 2 July. I hope the jet came from the locality we suspected. As regards visiting Yorkshire, I am sorry to say that my programme in August/September is so tight that I cannot possibly make it. If however I see you at Utrecht, or you care to call here, I will gladly provide some local information.

Best wishes,

Yours sincerely,



N.F. Hughes

Professor Alfred Traverse,
Department of Geology-Geophysics,
Pennsylvania State University,
University Park,
Pennsylvania 16802,
U.S.A.

Department of Geology-Geophysics
Pennsylvania State University
University Park, Pennsylvania 16802
U. S. A.

2 July, 1966

Dr. Norman F. Hughes
Department of Geology
Sedgwick Museum
University of Cambridge
Cambridge, England

Dear Norman:


Thanks very much for the sample of presumed jet.

As you can see from the above address, I have used up much of the time since I last wrote with the messy business of moving. Perhaps you can make a note of my change of address. I have quite a strong feeling that this move will be the last one for some time to come.

I still plan to make it to the International meeting. For various reasons, however, I shall be short of both time and money, so I don't know whether I could swing a trip to Whitby too. Were you thinking you might be able to escort me? That would be good fun and might be really ~~more~~ profitable to me than the post-meeting field trip I had been tentatively toying with attending. Will you let me know? I really have had an urge to visit Whitby and (if possible) a couple of the other Yorkshire localities for a long time. If you could come along, I believe it would be such an attractive idea I could scarcely turn it down.

Thanks again for the jet--I suspect that a thin section will be of interest to my work despite the doubts about its provenance.

Yours very truly,


Alfred Traverse
Associate Professor of Geology

DEPARTMENT OF GEOLOGY
UNIVERSITY OF CAMBRIDGE

TELEPHONE 51585-7

SEDGWICK MUSEUM
CAMBRIDGE

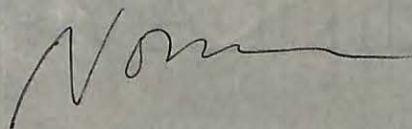
2nd June, 1966.

Dear Al,

Very glad to hear your news and I look forward to seeing you at Utrecht when serious matters for palynology will have to be discussed, in private if not in public.

As regards JET, I enclose a small piece which is presumably from the classic horizon near Whitby. I don't, however, know of any localised specimens - people have never taken it seriously enough to bother with recording. What you want could be collected I imagine, but I see no prospect of getting up to Yorkshire this year. I may find a student with that locality interest, but cannot guarantee it. I shall do what I can. If you come to Utrecht, can you visit Whitby? *

Best wishes,



N.F. Hughes.

Alfred Traverse Esq.,
The University of Texas,
Department of Geology,
Austin,
Texas 78712.

* *Specimens of this type are usually old and are seldom really labelled.*

6 May, 1966

Dr. Norman Hughes
Sedgwick Museum
Cambridge University
Cambridge, England

Dear Norman:

I am doing some work with a student here on the problematic jets from Utah. In connection with preparing a paper on this work, it would be very useful to us if we could make some parallel tests on jet from the classic locality at Whitby, Yorkshire. Do you have a small sample of same from which we could make a couple of thin sections and have some chemical analyses made? The piece not be low-grade jet, of course, but it would be desirable if accurate data on the exact locality were available.

Have been here for this year as a visiting lecturer. Next year I go to Penn State to attempt to follow in Chaloner's footsteps--indeed, I shall occupy an office that was really intended for him. If I can do half as good a job as Bill would have, I'll be satisfied.

May see you at the Utrecht meeting next summer? If I can raise the money to go, that is. My paper has been accepted for the program, but the National Science Foundation says I applied for travel money too late.

Best wishes as ever.

Yours very truly,


Alfred Traverse

DEPARTMENT OF GEOLOGY
UNIVERSITY OF CAMBRIDGE

50129
TELEPHONE 4129 & 2749
XXXXXXXX

SEDGWICK MUSEUM
CAMBRIDGE

14 May 63

Dear Al,

I do hope the address I am using is correct (it came from Pollen et Spores 4,2). I had heard from Bill and others of course of your move but did not know where.

I was very glad to hear from Bill Chaloner that you may well come to Edinburgh, and as your topic falls in the symposium I am looking after rather than his, I am sending you this enclosed formal invitation from the PB Committee. Please answer to me, when you have had time to think about it.

I am sure that you can tell us a lot of interest and I look forward very much to hearing and seeing you there.

I hope things are going well,

With best wishes,

Hughes ✓
Norman Hughes

11 June 1963

Accepted invitation on basis of
Bishop Hines' approval and Captain
Anderson's statement today that I could
have off a week early at State Hospital
in order to go to Scotland in Aug. 64



TENTH INTERNATIONAL BOTANICAL CONGRESS

5 HOPE PARK SQUARE EDINBURGH 8 SCOTLAND

Telephone: NEWington 2890

14 May 63

Dr. Alfred Traverse,
511 East 47 Street,
Austin 5, Texas

Dear Dr. Traverse,

I write on behalf of the Palaeobotany Organizing Committee to give you a formal invitation to speak in the Symposium on 'The relationship between spore assemblages and contemporary megafossil floras' to be held on 10 August 1964, afternoon session.

The approximate time for your paper would be 30 minutes, to be followed by 10 minutes for discussion. If you would like to display diagrams, this could be arranged at the Palaeobotany Demonstration sessions.

The other speakers proposed in this symposium are Dr. Remy, Jane Gray, and probably Watts from Ireland and John Grayson, with probably Schopf in the Chair.

At this stage I really ask only for your acceptance of this invitation. Further details will be sent later when you will also be asked for an abstract of your paper for publication before the Congress.

Yours sincerely,

N.F. Hughes
(for Palaeobotany Organizing
Committee).

Please address all communications to: ~~The Secretary (Executive Committee)~~

\$251.84 ✓
\$76.50 ✓
175.34

Ledy. Mas.
Camber.
12 Apr 61

Dear Al

Letter n+1

In spite of appearances, this correspondence is not entirely wasted. I am not repentant but shall be more careful with stray tentacles which I am not yet ready to follow. We look like having a pair of hobby-horses!

Don't think Axelrod is the only person I am after. He is merely an obvious one with his head up at present. The 'rates of evolution stuff' is certainly the core of his trouble but it is not

all his fault - the zoologists are still full of it. I have no intention of disliking him (until I have good reason, which is not probable). I can see he knows his Tertiary plants very well but he ~~did not~~ did not know much about Cretaceous floras (see Science 1959).

The divergence of meaning on the word 'aggressive' is real and very subtle - the limp language evolves but where to?

I am trying to give you nothing to answer. OK, so far?

We had the Hanslow Thomas' to dinner last night. He is becoming very fragile and withdrawn, but not senile. It is only toughness which has kept him alive since that operation (too late) two years ago. He has wisely stopped driving a car. Mrs. Thomas is well but clearly anxious and rather sad. They are both absorbed by the

grand children which is fine. He seemed very pleased with the dedication of Andrews' book. I find the book attractive and convincing in a way because if he wants it to last he will have to work hard incorporating new stuff in new editions later. The Palynology was good sound advice but not as enterprising as the rest of the book; I don't remember meeting Felix although I have seen papers of mine.

I wonder if you have been receiving those pre-print effusions from Esso, Calgary (Staffin, Pooch, Tamsonians). They look like causing some confusion in Mesquite palynology, although no doubt they are well meant.

I must get down to finding out how I can get to Tucson.

Best wishes and thanks for trouble to write
Raymond Hughes
New



Dr. Alfred Traverse Jr
Shell Development Co.,
PO Box 481
HOUSTON 1
Texas

U.S.A.

First fold here

Second fold here

Sender's name and address: *NRH*
Sedgwick Man
Carlidge

AN AIR LETTER SHOULD NOT CONTAIN ANY ENCLOSURE; IF IT DOES IT WILL BE SURCHARGED OR SENT BY ORDINARY MAIL.

To open cut here

P. O. Box 481
Houston 1

7 August, 1961

N. Hughes

Dear Norman:

I still think that you confuse classification and nomenclature and that you attach too much importance to the etymology of names. I do not for a minute believe that Axelrod's insistence on modern families in the Cretaceous is related to the names of Cretaceous fossil plants. Axelrod is a very smart cookie and knows his plants pretty well. You can be assured that his statements about Cretaceous taxa are to a large extent based on critical examination of the fossils or data about them. No--the whole development of modern nomenclatural ideas has followed the trend that the exact etymology of names is not a matter of great importance. Every effort to introduce, in any part of botany, some sort of requirement for or against certain etymologies, has been eventually struck down. No such requirement has ever been made in the Code, though there were and are a few ~~xxx~~ anomalous recommendations that trend in that direction in the present Code. But perhaps we have reached the point of beginning to repeat ourselves?

Regarding Axelrod: I have read this paper most recent from his pen. As I said in my first letter to you on this subject, it is time to stop all the hypothesis until more fossils are found. But one of Axelrod's weaknesses, recognized by his friends (he has a few), is to overwork his material. He loves to theorize. All this bit about the early origin of the flowering plants is based on an idea he has on the rate of evolution. He holds onto the hypothesis like a bulldog, and any criticisms he strikes down because of this hypothesis, which he has elevated to a law. Barghoorn is here at the moment, and I have urged him to drop the matter for a while, because I know Axelrod well enough to know that if Barghoorn et al write n papers on this subject, Axelrod will write n+1. In charity, I will not say much about Axelrod as a person, except to say that he is very difficult to deal with.

Your statement in the closing paragraph about being aggressive amused me and made me ~~xx~~ nostalgic. I remember some person criticizing me severely in England for being aggressive. The reason this is hard for an American to understand is that the word ~~xx~~ aggressive is regarded as highly complimentary in this country! (To say that a person is enthusiastic and aggressive is high praise here.) I suppose this would fit in with my theory that the American temperament is far more German than British, despite our cultural origins. So-don't apologize to an American for being aggressive. We rather like that.

Rather, I suppose I should apologize for "lecturing" you. But I have taken a great interest in nomenclatural philosophy.

Sedgwick Museum
Cambridge

1 Aug 61

Dear Al

Many thanks for your prompt reply, but we are still ^{entirely} at cross purposes over what you have called the 'Quercophyll' issue.

It is presumably my fault for writing in too condensed a form in the paper, and probably in the letter.

① There is no confusion about use of names, undesirable or otherwise, in the past. It is simply priority and no question arises.*

② It is desirable to dissuade people from ever ^{again} using ~~that~~ that kind of name for new discoveries.

③ You merely picked the second half of a sentence. The first part is the most important.

④ Quercophyll is not an organ-genus; it is a trivial kind of form-genus at the best.

⑤ I do not attach importance to the name in the sense that I am not misled by it. Unfortunately most of our evolution-specialists are. Axelrod & numerous others keep on with the myth that a long list of Recent families were present in the Upper Cretaceous. There is no such evidence and never has been. These botanists look at plant evolution backwards and then wonder why they make such a hash of it.

⑥ 'Fossil species of extant genera' is another issue which I know has interested you. I have no doubts that this practice should be totally avoided ~~for~~ before the Miocene. Naturally there must be a shade off in the Upper Tertiary. If the persuasion to comply receives publicity, it will be better not to make it a precise rule.

* It is possible to undermine these names sometimes and thus put them out of use. I shall certainly do so when I get the chance.

What do you think of Axelrod's
reply to Scott et al. in the recent
number of Ann. J. Sci.? It seems to
me to answer itself almost, in
its futility. I haven't met anyone
yet who really knows A.; perhaps you
do and we have not discussed it.

I shall try to get to Tucson but
have no knowledge of any 'mean'
yet!

I trust I am not too aggressive
but I am sure to rise at a
misdirected lecture! No hard feelings

Regards and best wishes

NW



Dr. A. Traverse Jr.,

3737 Bellair Boulevard,

P.O. Box 481

HOUSTON 1

USA.

TEXAS

First fold here

Second fold here

Sender's name and address:

N. P. H. L.

Sedgwick Museum

Cambridge

AN AIR LETTER SHOULD NOT CONTAIN ANY
ENCLOSURE; IF IT DOES IT WILL BE SURCHARGED
OR SENT BY ORDINARY MAIL.

Cambridge

20 July 61

Dear Al

Thank you for your
letter of 26 June, and your
criticism.

Sorry but I am unrepentant
about 'Quercophylla' and the
paragraph on pp 97/8 in which it
occurs.

I realize the name difficultly
in the Texting and I admit
that Harris, Miss Chadler,
Miss Chesters, Dick Scott,
presumably yourself and many
others don't agree.

Basically I feel certain that
such Angiosperms as existed in the
Upper Cretaceous will prove (when we
know of more than one org- $\frac{1}{2}$ per 'species')
to be different from the Recent families
which have evolved later from the Upper
Cretaceous plants.

Using Recent names almost
precludes clear thought about the
evolution which must have taken place.
I don't wish to be told that (on the basis
of a single oft-dubious organ) that Quercus
or the Magnoliaceae existed in the Cretaceous.
I want to examine the fossils X & Y (cont)
and their successors, eventually arriving
perhaps at Recent Magnoliaceae.

It might be an advantage to have
someone working on Cretaceous plants who
knows his plant anatomy etc in theory but who
had forgotten all the names of Recent
plants.

You probably think I am crazy
but I shall sweat it out one
way or another eventually. I want
Palaeobotany to be a real science,
properly respected.

Regards & best wishes

Norman
Hughes



Dr. Al. Traverse Jr.

Shell Development

P.O. Box 481

HOUSTON 1

TEXAS

U.S.A.

← Second fold here →

Sender's name and address:

NF Hughes

Sedgwick House

Cambridge

AN AIR LETTER SHOULD NOT CONTAIN ANY
ENCLOSURE; IF IT DOES IT WILL BE SURCHARGED
OR SENT BY ORDINARY MAIL.

June 26, 1961

Mr. Norman F. Hughes
Sedgwick Museum
Cambridge University
Cambridge, England

Dear Norman:

Thank you for the reprint of "Fossil Evidence and Angiosperm Ancestry". I have read it with great interest. It seems to me that you have made a good case for what might be called, borrowing theological terminology, "neoorthodoxy". Axelrod's theory and the others advocating very early origin of the angiosperms were, as you say, pure speculation, or nearly so. Your synthesis leaves us about where we were in Seward's day, as far as I can tell. There hasn't really been any new discovery shedding light on the question for many years--except the absence of such discovery, which I find very illuminating in view of the volume of material that is being looked at.

I would like to take exception to your statement on p. 98, that we should ". . . find ways of eliminating all subjective names such as Quercophyllum". In the first place, you attach too much significance to names. They are just means of referring to plants and have no significance in themselves. Pseudotsuga is by taxonomic implication a very bad name for the Douglas Fir, but we get along with it quite well. There used to be those many years ago who wanted to reject names because they were inappropriate or distasteful, but all that has long since been rejected in favor of straight priority. It would not and should not bother you a bit if Quercophyllum turns out to be the legitimate name of a liverwort.

Best wishes as ever,

Yours,


Alfred Traverse

AT:ms

Information Copies: Dr. Traverse ✓
Dr. Higgs

Sedg. Museum

2 Feb 59

Dear Traverse

Many thanks for your letter and the very full enclosures. I was very pleased to hear about Hanshaw Thomas and am doing my best. Dr. Thomas was very ill last spring but I am glad to say has ~~made~~ made a good recovery for a man of his age.

You will find that he was written up in 1953 by W. Gothan in Palaeontographica B vol 93, pp 57-60.

It is in German but has a full bibliography to that date. He has published perhaps half a dozen things since then of which the following may be important.

"Lidgetttonia, a new type of fertile Glossopteris"
1958 Bull. Brit. Mus (Nat. Hist.), Geol., 3, 5.

Of his work before 1953 the most famous is on the Caytoniales and also the Peltapenn & Corytopenns of South Africa; also on Williamsoniella 1915 and with Miss Bancroft on Cuticles 1913.

Dr. Hugh Hanshaw Thomas was born at Wrexham (North Wales) in 1885. He went to Downing College, Cambridge in 1904 and took Natural Sciences Tripos Parts I & II in 1906 and 1907. He then worked under Professor A.C. Seward on Carboniferous and later ^{on} Jurassic plants; in 1909 he became Curator of the Botanical Museum. Before 1914 he spent some time in Stockholm with A.G. Nathorst and on his return was the first to apply microscopic (cuticular) studies to the well preserved fossils of the Middle Jurassic of Yorkshire. During the 1914-18 war he did pioneer work on aerial photography in the R.A.F. Returning to Cambridge as lecturer and later Reader in Plant Morphology, he obtained his Sc.D. in 1926. In 1939-45 he again served in the R.A.F. on Photographic Interpretation.

And he retired from his university post in 1950.

He is best known for his techniques of swelling and sectioning plant compressions in the Caytoniales and for early cuticle studies in Williamsia. This remarkable work was done when compressions had only been studied macroscopically.

Thomas' great interest in the origin of the Angiosperms led him into much study of the Karoo rocks of South Africa where he founded two more groups of Mesozoic Pteridophytes, the Peltasperms and the Conyocperms. Lately (1958) he has described a new type of Glossopteris fructification also from South Africa.

For many years he lectured to geological as well as botanical students and he has always emphasized the importance of geological field-work in palaeobotanical studies.

The list of papers illustrates well his great contribution to Mesozoic palaeobotany. He remains very active, having just completed three years as President of the Linnean Society and having several papers in progress.

I hope you can edit this into what you want. Let me know if it is unbalanced or if I seem to have forgotten something. Sorry such great haste. Yours truly, Norman Holmgren



Dr. Alfred Traverse

Shell Development Company

Exploration & Product Research Dept.

3737 Bellaire Blvd.,

HOUSTON 25

U.S.A.

TEXAS

← Second fold here →

Sender's name and address:

NFH Hughes

Sedgwick Museum

Cambridge

AN AIR LETTER SHOULD NOT CONTAIN ANY ENCLOSURE; IF IT DOES IT WILL BE SURCHARGED OR SENT BY ORDINARY MAIL.

January 5, 1959

Dr. Norman Hughes
Sedgwick Museum
Cambridge University
Cambridge, England

Dear Norman:

The enclosed literature, which I should appreciate your perusing carefully, is presumably self-explanatory. Although you will notice that I nominated Hamshaw Thomas, I was surprised by the overwhelming result. There will need to be no run-off election, as the sense of the Section is clearly that Thomas should be nominated to the Society for the honor of corresponding membership. I feel he richly deserves the honor.

It is now my duty to prepare a brochure on Thomas in order to present his name to the Society's Committee on Corresponding Membership. We try to do a pretty thorough job of this and, as a result, have never failed to have our candidate accepted. In order to prepare this brochure, I need two items that I am going to prevail on you to prepare for me.


1. A short biography--couple of hundred words, but enough to indicate his age, all about his education and something about the major aspects of his life and his work.

2. A Bibliography of all his major papers.

I am sorry to bother you, but you seemed the natural person to whom to turn. For the time being it would be better if Thomas were not told about this.

All best wishes for the new year.

Very truly yours,


Alfred Traverse, Secretary
Paleobotanical Section
Botanical Society of America

AT:mpd

Enclosures


January 3, 1957

Mr. Norman Hughes
Department of Geology
Sedgwick Museum, University of Cambridge
Cambridge, England

Dear Norman:

Thanks for the copy of Ashley's paper on Tricolpites
and for the nice note appended thereto. Thank you especially for the
good wishes for 1957, which I am delighted to reciprocate to you and
your wife.

Yours very truly,


Alfred Traverse

AT:rlg

Shell Development Company
Exploration and Production Research Division

UNIVERSITY OF CAMBRIDGE
DEPARTMENT OF GEOLOGY

TELEPHONE 4129

SEDGWICK MUSEUM
CAMBRIDGE

9 Jan 1958

I acknowledge, with many thanks, the
receipt of the following:

Nomenclature problem --- Microfalcantology 3/3

I hope we shall be able to resolve much of this at
Montreal 1959 (to which I shall try to go), but it will need
a first-rate chairman.

Best wishes

Hughes

Norman Hughes

DEPARTMENT OF GEOLOGY
UNIVERSITY OF CAMBRIDGE

TELEPHONE 4129 & 2749

Alfred Trauer
Shall, Hunston

SEDGWICK MUSEUM
CAMBRIDGE

7 Dec 56.

Dear A. T.

I enclose a copy of
Ashley Cooper's paper on Tricolpites
but I am afraid we have no others
available still. RAC is quite correct
in saying that we took some copies
but they have unfortunately all been
dispensed already.

You are on the list though
for future stuff and I'll see it is
sent. Best wishes for Christmas
and the New Year.

Norman Hughes

N. Hughes

November 27, 1956

Mr. Norman Hughes
Sedgwick Museum
Cambridge, England

Dear Norman:

Ashley Couper writes that if I would like a copy of his thing on Tricolpites troedsonii Erdtman (New Phytologist, vol. 55), I should write to you. He also implies that you have reprints of other papers that he got out while at Sedgwick. If so, how about a copy of each?

It is hard for me to realize that a full year has now gone by since that delightful week in Cambridge last December. I certainly had a good and profitable time with you and Ashley. Here's to future reunions!

Yours very truly,



Alfred Traverse

AT:rlg

Shell Development Company
Exploration and Production Research Division

April 24.

Dear A.T.

I am most grateful for your letter and for the copy of Report of Investigations 5151.

I am sorry to have put you to this trouble but as I believe I explained I know have another fellow F.R. Lynaugh starting on British Tertiary palynology here.

Your Bureau of Mines publications naturally don't reach this country very easily and I am thus most glad to have an important publication on such a well-known deposit.

I was interested to read of Baughman's curves again and that he had improved them.

I shall certainly send you our stuff as it comes out and keep you informed.

That quick letter of mine, judging by the date appears to have been even more remarkable in that it was posted on an island of the Scottish coast where I was with a student's field trip!

Sincerely

Norman H. Hylleberg

April 2, 1956

Mr. Norman Hughes
Sedgwick Museum
Cambridge University
Cambridge, England

Dear Norman:

Thanks for your letter of March 23. It made it here in just three days, which is better service than we get on surface mail from some parts of this country.

Under separate cover I am sending you a copy of the Brandon monograph. I was much embarrassed not to be able to give the thing wider distribution, but I was provided with only 25 copies, and I sent the original supply to palynologists with an interest in Tertiary material. By somewhat devious techniques I have acquired a few more copies. If the library, or any interested persons, would like to get copies have them write to: Publications Distribution Section, U.S. Bureau of Mines, 4800 Forbes Street, Pittsburgh 13, Pa. Copies are distributed by the Bureau free of charge.

Please keep me informed about the progress of your work. I shall be most interested in the development of the work on Tertiary pollen but would also like to hear about other paleobotanical work as it develops.

With best wishes as ever, I am,

Very truly yours,

AT

Alfred Traverse

AT:hmp

Shell Development Company
Exploration and Production Research

Sedgwick Museum
Cambridge.

23 Mar 56.

Dear Travers

Many thanks

for your reprint of the paper
on Botryococcus in the
Micropalaeontologist. I think B.

probably more widespread in
occurrence than we have hitherto
been aware of, but I suppose chiefly
in sediments with no other microfossils.

If you can spare it, may
I have a copy for the library here
of your Bureau of Mines Report of
Investigations 5151 which you sent
to Ashley Cooper. He is of course

returning to New Zealand in the
autumn and it is not a kind of
publication which is much available
over here. Don't trouble if you are
short as I can have certain parts
copied. The reason incidentally is
of course that we plan to attach
the British Tertiary pollens here
in the near future.

I hope your new project
is proving interesting and that
you won't be prevented from publishing
in due course. I had a pleasant
note from Hoffmeister about that amusing
"palynology" article we discussed in the
same Micropalaeontologist as yours. He
was unable to pass on the information
as I had suspected. He sent me a copy
of the James "Patent".

Best wishes,
Sincerely,
John L.

Mr. NORMAN HUGHES,
Sedgwick Museum,
University of Cambridge,
C A M B R I D G E
England

The Hague, December 29th, 1955

Dear Norman:

It was good to meet you, to see your place of work and to see something of what you are doing. I also enjoyed the purely personal aspects of visiting with you and with your wife. I shall always have a special interest in the paleobotanical work at Cambridge, since my interest in paleobotany stems from my experience with Hamshaw Thomas in 1947.

I hope you can devise something for adequate preservation of megaspores. I think such a technique, if developed, would be of great interest to many people. As far as I know, everybody who works with the things handles them in the same way that you do, yet everybody seems to feel that something better is called for.

Best wishes for 1956.

Sincerely yours,

AT

A. Traverse,
c/o N.V.De B.P.M.,
GA/Pal.Lab.,
30, C.v.Bylandtlaan,
The Hague

American address:

Shell Development Co.,
3737 Bellaire Blvd.,
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