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

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

THE PENNSYLVANIA STATE UNIVERSITY
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E-Mail: traverse@ems.psu.edu

5 November, 1996

Professor Dr. Knut Faegri
Botanical Institute
University of Bergen
Allégatan 41
N-5007 Bergen, Norway

Dear Knut:

What a delightful, newsy letter, and it even included precisely the piece of info I needed for the eventual redo of Paleopalynology. Thanks.

It was fun to hear about your excursions into cooking, spices, mediaeval pilgrimages, as well as the more understandable studies of Norway's depauperate flora. It's good to know that you can still walk a considerable distance. I am sorry to learn that Nancy has health problems.

It was astonishing to learn that you are, by your own confession, 87 years old. Ye gods, you are technically old enough to be my father, though considering my mother's personality I am sure it couldn't have happened. (It's amazing that my Dad pulled it off somehow.) I recently had my 71st birthday. I had one direct ancestor, great-great-great grandfather Chatterton, who is supposed to have lived to 110 and lived in three centuries. My father remembered him well. On average I should have 3% of his genes, but meiosis behaving the way it does, I could have 0 or 10%. With my luck the former is more likely, but I recently at a dinner won 2 of the 6 doorprizes in the drawing (dinner for two at a fine restaurant; $25 to spend at the bookstore) first things I ever won, so maybe things are looking up. On Mother's side there is considerable longevity--she made it to 98 and her brother just died at 96.

Now I want to put in a pitch for e-mail (though not for the www, which can be a HUGE time-waster). When I retired my phone privileges were taken away, meaning that even to call home I have to dial 28 numbers with my AT&T calling card. E-mail, however, is absolutely free, and it is so easy to do. Composing the letter is the same as on this processor and one can print, direct copies to various people, etc. Admittedly it can be abused. One of my favorite colleagues is Vaughn Bryant at Texas A&M. He has a long list of correspondents programmed into his machine, and every day (well, 3-4 x a week) we all get a message from him. Lately it has been a barrage of sometimes very funny off-color

Hunt Institute for Botanical Documentation

Lately it has been a barrage of sometimes very funny off-color jokes. But to refuse to use this marvellous tool because it can be abused would be like refusing to use the telephone because most people employ it for mindless gossiping.

Well, Betty just walked in, and that means that if I want to print this on the computer in her office, which is the one with the printer, I better stop and get with it.

All the best to you. I enclose a few reprints that happen to be available. I apparently haven't sent you anything lately. I never seem to get around to general mailings.

Yours very truly,

Alfred Traverse

Hunt Institute for Botanical Documentation

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BOTANISK INSTITUTT

UNIVERSITAS BERGENSIS

UNIVERSITY OF BERGEN
BOTANICAL INSTITUTE

It just occurred to me that perhaps the fax cannot make this font.

1996 10 31

Dr Alfred Traverse,
435 Deike bldg.
Unversity Park Pa 16802, USA.

Fax 1 814 863 7823

A snail mail copy follows

Dear Al,

thanks for yours dated Oct. 11. How nice it is to have these sudden contacts with old friends who have, admittedly, a tendency to fade out in the distance! Life is simply too busy, and if you believe that it becomes less crowded after retrirement, please think it over once more. As for myself, I have these last weeks got out two books of reasonable size, one a series of distribution maps of the east Norwegian flora -- about which I must admit that I still do not know as much as I'd like. The second one is a new edition of my old book on "Spices in the kitchen and in world history". That spawned off 5 radio performances and 4 more or less whole-page newspaper articles in the national press. To this dish add the following spices: 3 (or is it 4) articles in the subpopular press dealing with rather diverse matters: the landscape of the pilgrims wandering through South Norway towards Trondheim to pray at the shrine of St. Olaf, the spiritual essence and use of plant-derived afrodisiaca, the history of cooking recipe books in Norway during the last 20-30 years (I discovered that I had given my mother one when I was 12 years old), and then you glace this cake with the University's 5o years anniversary. which has been academically celebrated for about half a year, and where I had to play a rather prominent part, being the only survival of the group that engineered the transition from our old institute of research to the modern university. Sometimes I have the feeling of sitting on the hub of a merry-go-round.

But now to your question; Reille's Atlas. I afraid that I am partly to blame for the deficient bibliographic information in that review, which had not received its last polishing when I shipped it off. Pollen et spores d'Europe et de l'Afrique du Nord. 1: 520 pp. price 1600 frcs.fr. 2: 327 pp. 800 frcs. Publisher Laboratoire de botanique historique et palynologie de l'Université. Boite 451. 13397 Marseille Cedex 20. France.
One thing I did not mention in the review: Technically, it is rather badly produced and falls to pieces after half a year's use in the lab (with half a dozen students). Better have it porperly bound before you take it in use.

On the whole. life has been kind to me, but, of course, yuo don't reach 87 years without some punishments. My physical strength -- which was never exaggerated -- has dwindled to proportions not worth mentioning, and my sense of equilibrium gone the same way. But still I can walk the couple of kilometres to the lab, weather permitting (but take the bus home again) and don't neglect the garden much more than I used to. unfortunately, Nancy is not all that lucky and suffers from various malfunctions of one organ and the other. Stll, she works at the Old Bergen museum, perhaps not all days of the week any more. Life goes on -- for the time being. My attitude to the IT is, to use your own word, desultory, but at any rate, the institute has a fax to my liking.

Sincerely, yours

Knut Fægri

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31 August, 1992

Dr. Knut Faegri
Universitetet
Botanisk Museum
P.O. Box 12
N-5014 Bergen, Norway

Dear Knut:

Yours of "92-8-20" came on 27 Aug. Sorry, I am <u>not</u> the person who inquired about the Fischer thesis. But it's a funny, spooky thing that your letter came on the day of lecture #1 for my annual Fall Semester palynology course, and I talked about both Fischer and Faegri (illustrated by KF with Don Quixote, taken by me in Leningrad in 1975).

Because I just got back in July from a sabbatical in Germany, and because of the above-mentioned course, I will <u>not</u> be in Aix--drat it! I had hoped to see you in Bergen during our '91-'92 stay in Europe, but it didn't happen. My side-trip time got used up in conferences with Chaloner, Boulter et al. in London and Greuter in Berlin, as well as a visit to Kiel to comfort Herbert Straka when his dear wife, Trude, died, etc.

All the best.

Yours very truly,

Alfred Traverse

AT/et

Hunt Institute for Botanical Documentation

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BOTANICAL INSTITUTE

20 Aug.

Prof. Alfred Traverse,
435 Deike bldg.
Penn State university,
Universoty Park
16807 USA.

Dear Al,

quite some time ago, somebody wrote me about Hugo Fischer's old thesis - I cannot find out now who it was nor why he/she wrote, but have a slight suspicion that it might have been you - who else? I do now that I wrote rather cocksure that, of course, it was easily available. That proved wrong. Still, I am quite convinced that it must exist somewhere in this house, but the Library people are not able to find it, and they have taken the H of time to find a copy. At any rate, now I have got one, and if you - if you it were - still have any question, please fire them.

Will I see you at the Aix congress? In that case, this letter is redundant, but I just want to get the thing off my mind.

Sincerely yours

å992 08 20

Knut Fægri

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9 December, 1991

Prof. Dr. Knut Faegri
Universitetet
Botanisk Museum, P.O. Box 12
N-5014 Bergen, Norway

Dear Knut:

How nice to hear from you, as always! Just got back from the Birbal Sahni Institute's Century-of-the-Founder celebration. Got a medal, as well as "Delhi-belly".

I am not sure I understand about van Geel, but I wrote him along the lines you suggested, and certainly hope his project comes to fruition.

Best.

Yours very truly,

Alfred Traverse

AT/et

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29 May, 1991

Prof. Dr. Knut Faegri
Universitetet
Botanisk Museum
P.O. Box 12
N-5014 Bergen, Norway

Dear Knut:

Your fax just in. Three copies of my book are on their way to you! I'm really pleased by the swap.

All the best.

Yours very truly,

Alfred Traverse

AT/et

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5 June, 1991

Prof. Dr. Knut Faegri
Universitetet
Botanisk Museum
P.O. Box 12
N-5014 Bergen, Norway

Dear Knut:

The copy of your "4th Edition" came--that was one gorgeous job of packing!

I was hoping you'd scrawl on the title page. As a substitute, would you be willing to write on a card that I could glue in the book?

All the best.

Yours very truly,

Alfred Traverse

P.S. I mailed your 3 copies of Paleopalynology last week. Let me know if they don't make it in a reasonable length of time.

AT/et

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8 April, 1991

Prof. Dr. Knut Faegri
Universitetet
Botanisk Museum
N-5014 Bergen, Norway

Dear Knut:

Advertisements from booksellers for your 4th edition of the marvellous pollen analysis book have appeared here and there. The best price I've seen is $125.00, which I find rather breathtaking.

Would you accept two hard-back copies of my Paleopalynology in trade for one copy of your 4th edition? I know you presumably already have a (review) copy of my textbook, but perhaps you could use the extra copies as gifts? They are allegedly "worth" $85 each.

Well, at least it was worth a try!

Best regards.

Yours very truly,

Alfred Traverse

P.S. Hang in there, because Betty and I are tentatively planning to visit Bergen in late Spring (June?) of 19923--I want her to experience the incredible Oslo/Bergen train trip, the memory of which still thrills me after 35 years!

AT/et

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29 April, 1991

Dr. Knut Faegri
University of Bergen
Botanical Institute
Allégaten 41
N-5007 Bergen, Norway

Dear Knut:

Thanks for your fax of 26.IV.91.

It seems to me that it's pretty late for reviews of your 4th ed., though you'd get a dandy from me! I think all of the journals where I have an "in" have already covered it.

How about three copies of Paleopalynology for one of yours? The paperback edition of my book is now selling for $45 (outrageous!), but I have some hardback copies (theoretical price $85) for which the author's cost was very modest, and I'd be happy to ship you three of them. Nice Xmas present for some students?

Betty and I will plan to visit Bergen something like the first week of June, 1992. I would like to retrace my steps of Nov. 1955. Of course, the only persom with whom I had contact in '55 who is still around now is KF (well, also Ulf Hafsten, but he isn't where he was then). More details next year.

Best regards.

Yours very truly,

Alfred Traverse

AT/et

Hunt Institute for Botanical Documentation

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Fax 47 5 31 22 38

To: Fax. 095 1 814 863 7823
Alfred Traverse
Palynological lab, Dept. geological sci.
435 Dolke bldg
University Park, PA USA 16802

From: Fægri
Bot. Inst.

Date: 1991 04 26

No. of pages: One

Dear Al,
agreed: the price is unpleasant. It is a small comfort to see that Tryon's book on fern spores costs even more. Your idea seems good, but I wonder if you have an outlet for writing a review. In that case I might appeal to Wiley to send you a review copy. That would be cheaper for both parts (not for Wiley!). RSVP so I can go on one way or the other.

Greetings!

Knut Fægri

I'd be glad to see you here, but you have to hurry: they are burying that railway into the mountains more and more each year. Soon, it will be one continuous tunnel!

END

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28 February, 1990

Prof. Dr. Knut Faegri
Universitetet
Botanisk Museum
P.O. Box 12
5014 Bergen, Norway

Dear Knut:

Enjoyed yours of 25 Feb., as always. Ye Gods, I didn't think I'd claimed to have "complete command of ICBN"--but we can't find our copy to check. I must have had a 3-martini lunch or something. Maybe what I was getting at is, that in favoring "an easier way" I don't admit that I do so because I'm lazy and/or dumb. But that's what Jan Jansonius claims is true of <u>everybody</u> who is sick of the endless bickering about rather silly things and therefore favors extension of the ideas of conservation to very substantial lists of sanctioned names, with a commission to oversee the matter. Incidentally, I'm wondering where you will assign Jan, as far as national blame is concerned--surely not USA.

All the best.

Yours very truly,

Alfred Traverse

AT/et

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Dear Al,

thank you for letter dated 5 Febr. Since I am writing a couple of other letters to ease my fate (to have to dole out 180 000 kr for applicants for 945 000), I answer yours at once.

I agree with you that the old way of publishing names should be permitted to continue. It would be impractical, impracticable and very rude to force all botanists to publish their new taxa in one or a couple of sanctified journals, all of them from Europe and the US. There are quite a number of people thinking in that direction, and I shall go on fighting the idea.

I agree with you in the concept of the great Bible of accepted names. and between you and me, that is actually what we are driving at - but don't tell anybody, as the world is full of misguided, well-wishing, conservative fatheads who, unfortunately, carry a lot of votes in the IAPT . I am sorry to say that most of them are your fellow-countrymen, no names mentioned. Some diplomacy is needed, and as diplomacy has never been my force, I gladly leave that part to David Hawksworth even if I have some difficulties in imagining him as Herkules in the Augian stable of nomenclature.

Personally, I consider it my job to prevent further contamination., and I am sorry to disagree with you: I simply don't think that you - nor anybody else, as far as that goes - has complete commend of the intricacies of the ICBN. You know the old saying about the fools being too d...d smart for you. It should be elevated to the first Principle in the New Code, if there will ever be one. And nr. 2 should be Fægri's rule about exceptions: The the tighter a rule is, the longer is the list of exceptions. But I doubt if I shall be able to get those Principles accepted in Tokyo!

Yours

1990 02 15

Knut Fægri

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5 February, 1990

Prof. Dr. Knut Faegri
Universitetet
Botanisk Museum, P.O. Box 12
N-5014 Bergen, Norway

Dear Knut:

Yours of 90-01-25 re the registration bit was interesting. Of course, the "old way" will continue in all probability long after thou (and I) no longer carest. So, its' interesting to speculate about the matter in a "blue sky" fashion.

It reminds me, in my own case, of my seminary training. A priest who has lost his faith can continue to function legitimately and validly as long as he teaches what the Church teaches and not his own version of heresy.

I still teach all of the old ways, and I believe I'm still reasonably competent in interpreting the IAPT-ICBN scriptures. However, I really have begun to wonder if we wouldn't be better off with a big bible of sanctioned names and an international commission to govern it. If we really do move in that general sort of direction, why not go all the way? Therefore, I would greatly prefer to go in the direction of your #1. I think registration of journals is a half-hearted effort reminiscent of changing the name of SED in DDR but keeping the party still in place. While this is all going on, dear friend, don't worry about my soul. I an not blurting any of this out on street corners. (Maybe I should?)

All the best.

Yours very truly,

Alfred Traverse

P.S. Did I ever ask you if you were responsible for getting Normapolles put on the Norwegian stamps? Check the corner of the current 5 Kr.

AT/et
cc: W.G. Chaloner

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14 August, 1989

Prof. Dr. Knut Faegri
Universitetet
Botanisk Museum
P.O. Box 12
N-5014 Bergen, Norway

Dear Knut:

Just read the copy of yours of 20 April, '89, to Mike Boulter. I believe that if he can generate some sizable chunks of cash and can therefore have a couple of assistants, something good might actually come of his efforts!

Now, this is completely off the record. The fungal group pushed through their "sanctioned-names" deal at Sydney (I believe) somehow or other without the rest of us really noticing. Not until Berlin did I get the impact of it--I was really shocked. Since then, usually while splitting firewood or mowing hay, I have meditated some about it. Why wouldn't it save us all a lot of trouble if each group came up with a list of sanctioned (= actually, conserved) names with such-and-such types, have a IAPT commission to sort out mistakes and conflicts? The Code would govern new names, new combinations, etc., with the Commission empowered to adjudicate controversies. Some of the sanctioned names might well be ones that certain of us disapprove. The decisions of the Commission might well be wrong-headed. But if a Commission selects Classopollis instead of Corollina, I could live with it! At least that would be the end of it.

So, perhaps a list of NCU is a move in this direction. It amuses me as I recall at some congress long ago an impassioned speech by a Harvard delegate against even the hint of a commission a là zoology.

Don't worry, I'm not writing a proposal!

All the best.

[see next page for P.S.]

Hunt Institute for Botanical Documentation

Yours very truly,

Alfred Traverse

P.S. We just had a 2-week visit from Dorothy Guy-Ohlson. One evening she told us a good deal about her time in Bergen and how much she admires you. She said she even learned Norwegian to prove to you it could be done by a Brit.

AT/et

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Dear Al,

thanks for a letter, which reached me during my somewhat peripathetic existence just now. I am back from UK for three days (including finishing off a manuscript from the meeting) and am now off to the Aegean - witout any scientific excuse, just to enjoy myself and some warm weather after a miserable summer.

Your observation is, of course, quite relevant. When the mycologists managed to smuggle in their standards (which I think is sheer stupidity, why the HH couldn't they wait?) I was fully clear that this was the first knell of the death-bell for the priority principle. As I have always cosidered it sheer idiocy, I did not protest. A first step, even if awkward, is better than no step.

The present goings on are just the next step in getting priority in its proper place, and I hope it will be done rapidly. There are rumours that somebody has discovered a 17th century Spanish recipe collection which will make havoc in the nomenclature. The sooner we can get it going, the better. In the meantime there should be an embargo on all name-changes which are purely nomenclatorical. I am afraid that it cannot be done.

But let us look forward to a nomenclatorical paradise where both the priority-principle and the principle of one species - one name have been relegated to a proper position. Why cannot a species have more than one name? What about a horse, hengst and foal and all those things?

Well, this is just to say thank you for the letter - always glad to hear from you.

Yours

1989 08 29

Knut Fægri

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COPY

file
Faegri

Dr. M. C. Boulter,
NE London Polytechnic.

Dear Dr. Boulter,

still immersed, not to say submersed, in proof-reading a fairly thick book that has gone wrong, I have taken a little time off to look again at your letter of 5th inst. ref. The plant fossil record.

In must admit that I am still somewhat confused with regard to the aim and format of the Record. You have put a caption to your letter dated 29 March: ":::standrad format of every fossil plant taxon". I have a feeling that this phrase must be erroneously constructed. At any rate I cannot grasp what is meant by the format of a taxon. Please excuse if you consider this nitpicking. In a way I can agree in that, but on the other hand, experience has taught me to be a little careful: In these matters it is better to be a little pedantic. Are you aimigg at a file of names or a file of descriptions or what? Only valid names and the corresponding diagnoses or syn- and homonyms?

Another problem? Is this meant to be a database of existing names or what will be the time references? This question may seem a little naive, but you may be aware that there are at present two groups(of groups) working in this field, as I understand it. The one, of which Dr. Hawksworth of the CAB is the leader, deals with names in use, i.e. existing names and tries to clear up that mess. The, Hawksworth group emanates from IUBS directly , but I think it now reports to IAPT. Then there is another group charged with preventing more mess from being created in the future. This emanates directly from the IAPT as a consequence of the Berlin Congress.

I am not sure how much you think your Record should be involved in nomenclature, but presume that this is part of your thinking. At any rate I fear that it will have to be an integral part, and as it is the part I believe I understand best, I shall concentrate on that, which may be off the mark.

Your Record might play a role within both groups mentioned above. It is a question of what is your idea in relation to the two main problems, or rather to the one, overriding problem: stability of nomenclature. At any rate I think it would be a mistake to start another ambitious scheme within these fields without consulting with extant groups. Both of them are in the beginning of their work, and I feel sure thatthey might collaborate with you in some way.

I may mention that some of the ideas put forward in the other sheet "preliminary statement" are very close to some of my own ideas ref. the second of the groups mentioned above.

It has struck me as queer, and a little inconvenient, that among the officers of the IOP (as per your letterhead) and the members of the IAPT fossil plants griup there is only one name in common, viz. J. Galtier. I enclose I list of themmemebers of the IAPT group for your information. To Chaloner, of course, you have easy access, but I think it is even more important that Traverse be included in your plans.

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At present I am a little reluctant with regard to your plans 1. because I am not sure that I understand them properly, and 2. because I don't quite see how they fit into or together with the existing groups working in the field. However well-intended and well-planned a project is, it may, if uncoordinated, contribute to the existing mess. As far as extant names are concerned the Hawksworth group should be consulted, and I think Traverse (who is a member of that group) would be the natural person to approach - if you haven't done so already. With regard to future names I shall be very interested to maintain contact. A membership list of my group is also included.

A final observation: Computers are excellent - in a high-technology community. I am not sure that you can rely on the whole of the botanical world community to have easy access to a reliable computer system. Paleobotany may be a more sophisticated sub-set, but I should step lightly even there. I hope we can plan for systems that can be operated also with less sophisticated equipment at any rate in the input phase.

Sincerely yours

1989 04 20

Knut Fægri

Copies:
Dan Nicolson
Al Traverse

Hunt Institute for Botanical Documentation

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

14 June, 1989

Prof. Dr. Knut Faegri
Universitetet
Botanisk Museum
P.O. Box 12
N-5014 Bergen, Norway

Dear Knut:

Just got back from 2-month absence and am going through the inevitable heap of correspondence. (I have posted on our refrigerator your card with the snowstorm of publications about to bury you--I loved it!) I found just now the copy of your review of my book. Thanks for sending it. I think you were very fair. You are certainly right about phase (+ interference) contrast microscopy. If I ever get a chance to do a revision, I will put that in. I use Nowarski and can't account for the omission. I also am keeping a running list of the typos, etc. If you find more such, please let me know. Anyway, it is clear that if all else goes to hell I can seek asylum in Bergen--I have two friends at least there!

I also have opened the copy of the letter to Boulter. I want to answer that separately.

All the best.

Yours very truly,

Alfred Traverse
Professor of Palynology

P.S. On the just-ended trip I spent one day in the fossil plant collections of the natural history museum in Vienna--now closed to the public and obviously untouched since 1914--an incredible collection and itself like Vienna a fossil. I was allowed to take fossils out to light to photograph them. Unfortunately Betty and I were "mugged" in New York, and I lost my camera and all the photos.

AT/et

Hunt Institute for Botanical Documentation

4 April, 1984

Prof. Dr. Knut Faegri
Universitetet
Botanisk Museum
P.O. Box 12
N-5014 Bergen, Norway

Dear Knut:

Many thanks for the photos. Have had copy negativds made and return the originals herewith/

All the best.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

encl: two borrowed photos

Hunt Institute for Botanical Documentation

20 January, 1984

Prof. Dr. Knut Faegri
Universitetet
Botanisk Museum, P.O. Box 12
N-5014 Bergen, Norway

Dear Knut:

As I may have told you, I'm putting together a little textbook for teaching of paleopalynology. I wanted a few pictures of the "old boys:, and I have, for example, a good one of you with Don Quixote (I made it in Leningrad). Do you have an unpublished one of Iversen I could borrow, have copied and return to you?

Hope you're flourishing. Maybe we'll meet in Calgary?

All the best.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

Hunt Institute for Botanical Documentation

March 28, 1974

Prof. Dr. K. Faegri
University Botanical Museum
P.O. Box 2637
Bergen, Norway

Dear Knut:

I have read the two memorials (Iversen, Erdtman) with great interest and some feeling of sorrow about the inexorable passage of time. It was, as you know, my privilege to know both gentlemen. I liked Iversen very much, and he was once long ago a guest at our little home in Houston (about the same year you were there)--I remember his amazement that we had two automobiles--he just couldn't get over it. It seemed profligate to him (and was). My wife was very attracted to him--she recognized a warm, gentle soul. "GE" was something else--I came to visit you in Bergen after spending a week in Stockholm with him--was guest at his home (nobody had explained to me that I was supposed to make a speech after dinner, and I made an ass of myself, I suppose). The academic Swedes were a bit too much for me (I can imagine why Solzh. would be more attracted to Norway!), and I can remember your "exegeting" my Swedish experiences for me while I was in Bergen. Years later, tho' I had spent so much time with the old boy--meals together, over the microscope together, etc., I met him at an international meeting, and he denied ever having seen me before! I always believed it was a form of "one-upmanship" because ðfhad in the meantime chided him in print. Then, still later, my wife and I entertained Prof. and Mrs. Erdtman at dinner at the Seattle meeting in 1969, and he was urbanity and civility personified. A very complex person!

Thanks for thinking of me. Best wishes.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/vsi

Hunt Institute for Botanical Documentation

February 25, 1974

Prof. Dr. Knut Faegri
Botanical Museum
University of Bergen
P.O. Box 12
Bergen, Norway 5014

Dear Knut:

Thank you so much for your interesting letter of 13 February. Everytime I hear from you it always reminds me of that truly wonderful couple of days that I spent with you so long ago (20 years next year!).

I had not heard of Potonié's death. In fact, I had a letter in the mill to him trying to get some comment from him on the status of Pollenites as a genus in 1931. We are of the opinion here that it was never validly published as a genus, but that is a story which we will now have to tell without assistance from Schöner Robbert himself. I really am sorry to hear about the old man's death. Whatever failings he may have had, he certainly did accomplish a lot for us in systematic palynology in terms of assembling and assimilating information.

Dr. Wodehouse I never have met, although my friend, Ed Stanley, tells me that he had a nice letter from him when the genus Wodehousea was named some years back. He has never shown up at any of the pollen meetings. The other two gentlemen whom you mention are both friends of mine, especially Hoffmeister who tried to get me to join Esso at the time I went with Shell in 1955. His address is Dr. William S. Hoffmeister, 3931 Bay Shore Road, Sarasota, Florida, 33580, USA. We got a nice Christmas message from him again this year. He showed up at the AASP meetings in Baton Rouge several years ago and looked quite fit. I don't think he does any palynology anymore, however. I last heard from Paul Sears about two years ago, and as far as I know his address is still the same, though at his age, one doesn't really have any certainty unless one keeps in better touch than I have. What I have for him is as follows: Dr. Paul B. Sears, Lasm Lippas Taos, New Mexico, 87571, USA. Both Sarasota and Taos are retirement centers of the first order, but I do believe that Sears has maintained

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an active interest despite the advancing years. There was a letter in Science magazine from him responding to an article on conservation to which he took exception, certainly not more than 6 months ago.

Greetings from all of us at Penn State. Wish you could drop in for a visit one of these days. I am still hoping to be able to arrange to attend the International Botanical Congress in Leningrad and perhaps will see you there. Best wishes.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/vsi

Hunt Institute for Botanical Documentation

UNIVERSITETET I BERGEN
BOTANISK MUSEUM, BOTANISK HAGE
POSTBOKS ~~5037~~ 12 BERGEN ~~5010~~ 5014

UNIVERSITY OF BERGEN
BOTANICAL MUSEUM, BOTANICAL GARDEN
P. O. BOX ~~5037~~ 12, BERGEN (NORWAY) ~~5010~~ 5014

Dr. Al Traverse,
Department of Geosciences,
The State Pennsylvania University,
University Park,
Pennsylvania 16802,
U.S.A.

Dear Al Traverse,

this is to thank you for a nice bunch of reprints that came a few days ago. I am looking forward to read them - so far, there has been no time.

I have a question to you. As you may know, Potonié died a few weeks ago, January 26, to be exact, and Madame Van Campo consulted me about the Editorial Board of Pollen et Spores. Both Wodehouse, Sears and Hoffmeister are there. Wodehouse I think I know is still alive, even if he is not very active; but I haven't heard anything from the two others for years. As a matter of fact, my last letters have come back: addressee unknown. Do you know anything about them?

Something must be done about the Editorial Board. The average age of its members must be something like 75 years! Even if we are dealing with fossils we shouldn't take it as literally as all that.

Bergen, 1974-02-13

Sincerely yours

Knut Fægri

Hunt Institute for Botanical Documentation

August 23, 1967

Dr. Knut Faegri
Universitetet
Botanisk Museum
Bergen, Norway

Dear Dr. Faegri:

Many thanks for the recently arrived batch of reprints. You are getting to be an authority on the gross aspect of various floristic regions of our country on the basis of your various tours of duty over here. If it's a tit for a tat exchange, I hope I'll be considered for the reciprocal visit to Scandanavia. I certainly enjoyed the one I had in 1955.

"The microscopist's morning prayer" is delightful.

Best wishes.

Yours very truly,

Alfred Traverse
Associate Professor of Geology

AT:kaw

Hunt Institute for Botanical Documentation

Ref.: Proposal to create an organisation of palynology within IUBS.

This refers to my previous letter, dated April 19.

Owing to some misunderstanding, both professor Jonker and I have started working on this matter. As it is completely superfluous to duplicate the work, I have withdrawn from it and have sent any material in my possession to prof. Jonker, including the letters received from some of you - and for which I thank you. Will you please address future correspondence about the matter to prof. Jonker, to whom I shall also forward any letters that may reach me in the meantime.

Bergen May 1st 1967.

Knut Fægri

Hunt Institute for Botanical Documentation

June 13, 1962

Professor Dr. Knut Faegri
Botanical Museum
University of Bergen
Bergen, Norway

Dear Dr. Faegri:

I am once again in your debt for a helpful suggestion in your letter of June 4, 1962. It is true that we should not follow our KOH digestion with an acid wash if we intend to stain with basic fuchsin, though from my very limited experience with the staining of pollen it seems that when we follow the acid wash with thorough water washes, staining is adequate. One thing I can say, though, is that plain water washes alone will not remove all of the potassium. Whether this makes any difference, I don't know.

Thank you again for all of your help.

Very truly yours,

Alfred Traverse

AT:mw

bc: Dr. Traverse
Dr. Higgs

SHELL DEVELOPMENT COMPANY
Exploration and Production Research Division

Hunt Institute for Botanical Documentation

Dr. Alfred Traverse,
Shell Development Company,
3737 Bellaire Boulevard,
H o u s t o n,
T e x a s.

Dear Al Traverse,

Your letter dated May 31st.

I have only one small comment. You will see from the joined paper by Deuse and myself (Pollen et Spores) that residual KOH in the exines apparently does not influence size nor other pollen characteristics. I don't remember now (it may be somewhere in the paper) whether those grains were washed before embedding, but I should suppose they were washed once or twice in water. However, even if I had not done that when those grains were embedded, I shall certainly advise it to be done today. Washing with HCl would not be recommendable, as it would interfere with staining.

Bergen, the 4th June 1962.

Sincerely yours,

Knut Fægri

Hunt Institute for Botanical Documentation

Dear Traverse,

as I am just now under rather heavy pressure from about 1 ool different tasks, I just write you this note to acknowledge the receipt of your letter, dated May 17th. I shall process it as soon as possible, but I am afraid that some week or weeks may pass before I can do so.

So till then

Sincerely yours

Knut Fægri.

Hunt Institute for Botanical Documentation

May 31, 1962

Professor Dr. Knut Faegri
Botanical Museum
University of Bergen
Bergen, Norway

Dear Professor Faegri:

It was good, and characteristic, of you to respond so promptly and thoroughly to my request for comment on the accuracy of my notes on your preparation techniques. I deduce that you do not object to my using this information.

I have quickly made the changes you indicated. I was especially interested that you use the KOH treatment as a "stop" for acetylation. Chemical analyses I have had run indicate that pollen treated with KOH takes on surprising quantities of potassium. So now the question is, how about after effects of the KOH treatment? Of course, if you were to follow the KOH treatment with warm HCl, the potassium would be removed.

I would be glad to have your discussion of the other points, when you find time to let me have it. However, at the moment I have a deadline to meet on preparation of this little essay, and I propose to send it on its way, with the corrections you have given me. For the purpose for which it is intended, I think it will be satisfactory.

Since I must send this thing in fairly soon, I would say that it wouldn't serve any useful purpose for you to send me the manuscript for the new edition of your book. I would certainly like to emphasize, however, how much I appreciate your offering to do this for me.

Very truly yours,

Alfred Traverse

AT:pjh

SHELL DEVELOPMENT COMPANY
Exploration and Production Research Division

bc: Dr. D. V. Higgs
Dr. A. Traverse

Hunt Institute for Botanical Documentation

Dr. Al Traverse,
P. O. Box 481,
Houston 1,
Texas.

Dear Traverse,

Having looked once more at your letter and manuscript, I discovered that really you only asked for my opinion on a very few points, and that I can give immediately:

Page 7: No remark.

Page 12: Last paragraph. The purpose of the KOH boiling is not only, not even chiefly, to counteract the swelling effect of acetylation, but simply to stop all possible known or unknown after-effects of the acetylation process. It is presumed that KOH will do that, will make the grains more easily stainable, and be more easily washed out by the subsequent treatment. Whether all these assumptions really hold true, nobody knows.

Page 14: Point 4. Portion A should be much smaller than B and C, because a great deal of the latter ones is generally lost.

Page 15: Point 11. I would not say that "some concentration can be affected by evaporation" that seems to indicate that the whole is a more or less haphazardous process. It is not. By evaporation you concentrate the jelly as much as you like.

So far for the points raised in your letter. There are some other points I should like to discuss with you, but you have not asked for a discussion and I am not going to do that unless you are interested. I had a letter from Dr. Jane Grey the other day asking permission to use verbatim the whole chapter on field technique from the text-book by Fægri, Iversen. I could only advise her to contact the publisher, who will necessarily have to have the last word in this matter. As far as I am concerned, there is no objection. We are now preparing a second edition of the text-book, the manuscript to be ready by the end of September. If the publisher agrees, you may have a copy of the manuscript and use more or less freely from that. I hurry to say that your treatment is in many respects more comprehensive than ours, and I do not propose that you do the same as Dr. Grey, viz. take over the whole

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section from the text-book as it stands, but it may give you some ideas which are not quite clearly exposed in your present treatment.

Bergen, the 24th May 1962.

Sincerely yours,

Knut Fægri

Hunt Institute for Botanical Documentation

December 8th 1961.

Dear Traverse,

your letter, dated Dec. 1st, refe treatment of recent pollen:

I have not abandoned acetylation - I wish I could, but so far, I have seen nothing better for general use. The thing you remember is that for the study on the size relations of Betula pollen grains (published by Deuse and myself) I used KOH treatment, for various reasons:

1. The original work on Betula size statistics (Eneroth) was done that w way

2. KOH treatment, being a rather prolonged affair with a mild chemical will most probably give more consistent results than the very rapid treatment with the very caustic acetylation liquids. I mean, small initial differences in temperature or concentration or whatever it may be, can almost not be compensated for by acetylation. They are much better under control with 6 hours of KOH. I must add that I am not convinced this means very much in practice. So far, it is more a theoretical objection.

3. "KOH sizes" are different from "acetylation sizes" and seem to correspond better to the sizes found in ordinary pollen analysis preparations Cf. my paper about the pollen diagram from the sub-alpine region etc. Obviously, different species react very differently, and the grains of some of them are even completely dissolved after some boiling in KOH - which alone is sufficient to invalidate this substance as a general medium for preparation.

With best wishes to yourself and the family,

yours sincerely

Knut Fægri.

Hunt Institute for Botanical Documentation

December 1, 1961

Professor Dr. Knut Faegri
Botanisk Museet
Universitetet
Bergen, Norway

Dear Professor Faegri:

My wife and I much enjoyed your hilarious "publication received" card. Hessland is a talented cartoonist.

Jane Gray has asked me to contribute a section on the preparation of modern pollen for reference slides to the projected volume on paleontological techniques to be published by Freeman. I have very complete notes on the procedures you were employing in 1955, along with your mimeographed schedule, etc. However, I seem to recall having heard from someone (you?) that you have not abandoned acetylation altogether in favor of KOH maceration. If this is true, could you spare a copy of the revised schedule, so that I would not present you as doing things the way you were doing them in antediluvian times?

With best wishes from all of us, I am

Very truly yours,

Alfred Traverse

AT:pjh

Shell Development Company
Exploration and Production Research Division

Hunt Institute for Botanical Documentation

M/V Lista Aug. 30th, 1960.

Dr. Al Traverse,
1428, Adkin, Houston 24,
Texas.

Dear Traverse,

after the Estes Park conference, after having, true to custom, crammed in a few other visits, a.o. to USGS, Denver, and after a few days with relatives in the East, Nancy and I are now - united - on our way back. So far, our fourth day of glorious, non-North-Atlantic-like weather, which makes it impossible to sit in the cabin and work. I have established myself in a kind of sunbathing-plus-typewriting position in a deck-chair. Enjoying every moment of sun that I can still get - I know what I am going to, both as regards weather and as regards work waiting at home.

And so I think I should write some letters here, to thank you and all of your for the kindnes and hospitality we have experienced all over the U.S. The other impressions may still be rather confused, but the impression of American hospitality certainly is a very clear - and overwhelming! - one. I hardly know how I shall be able to thank you all, even less how to reciprocate. I can only hope that one day it will be possible. After all, Norway is, as you know, not <u>that</u> far away.

After our slightly humid excursion (I hate to think what that car must have looked like after my shoes had been in it) I had plenty of time to dry up, even if the Trail Ridge Road in Rocky Mountain National Park on both occasions played up to the reputation of the Colorado mountain weather. By pure accident, Nancy and I arrived in Denver simultaneously, and there was Estella Leopold, too, so we had a very pleasant evening together. Next day she drove us to Estes Park via the Trail Ridge, and we spent three rather unfruitful conference days there. Oosting was there, too, and we managed to get another trip into the alpine region, unfortunately marred by car trouble and by bad weather that caused the road to be blocked by snow a few hours later - as a matter of fact by the time we by means of liberal quantities of alcohol had restored our circulation the road was all snowed up. But even so there was a great deal to be seen. I am only so sorry there were noe bumble-bees out to pollinate <u>Pedicularis groenlandica</u>. That is one of the most fantastic flowers I have seen for a very long time.

Returning, we had another short visit with Estella, this time at the USGS, where Deevey happened to be at the same time - headed west with his family. It is a nice set-up they have got there, even if I missed a phase microscope terribly. Estella had an enigmatic grain, and in the end I had nothing to do but to take it back

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home. It is hopeless, the way you are dependent on equipment in our trade.

After Colorado we had a few days, chiefly with my relatives in New England, and that was the end of it. It takes some effort to come back to normal conditions again, but I guess I'd better do it soon. I hope to be able to see van der Pijl and/or Iversen on my way home, so most porbably I shan'tbe back in the academic tread-mill until closer to September loth. And that will be the final of a glorious summer, for which I thank every one from the NSF to all my friends and colleagues, thanks for everything!

Sincerely yours

Knut Fægri

Knut Fægri.

Sept. 12th

Thank you for a reprint, waiting for me on my return home

Hunt Institute for Botanical Documentation

p.t. Durham N.C.
July 30th.

Dear Traverse,

thank you very much for your letter, and for the trouble you have taken over my plans. The reservation for two persons is due to the fact that the Washington Land Bureau had reserved seat for my wife, too, but now if she is in this country, she will not accompany me. She will then be in Reno, I think, and we shall meet in Denver again. She told me to express to you that she regretted much not to be able to meet you wife & yourself, but having the choice between the Gulf coast and some of the sights of the West, she preferred the latter.

To the rest of the letter, you have evidently arranged everything as perfectly as possible, and I look forward very much to seeing you on Aug. 12th. I shall try to telephone you before that.

Yours sincerely

Yours again

Hunt Institute for Botanical Documentation

R. J. Terry

Milwaukee July 14th.

Dear Traverse,

thank you for your letter, dated July 1st, received here yesterday, and for your kind invitations. It is unnecessary to tell that I'd be very glad to accept as much of them as possible, but on the other hand I am also the guest of Texas Southern College, and - coloured or not - do not want to hurt them. Now, I have no idea what colour bars would prevent one from doing or not doing what, and that leaves the problem in a rather unsatisfactory position.

As far as I can now see, the most satisfactory plan would be the following: I shall arrive from Austin on August 10 by Continental flight 215, arriving at the airport 3.52 P.M. I shall leave Houston on the 13th by a plane leaving at 1.10. I think that will be Braniff flight 945. Incidentally, I should be very grateful to you if you would do me the favour of contacting Braniff and reserve a seat through to Denver on the same flight, arriving Denver 4.39. As it is, the travel bureau onan has - for what reason I do not know - put me down in Dallas for 27 hours, which I shall certainly need in Denver. So if you could have that taller half of the flight changed from 14th to 13th, that would be fine. I shall, of course, reconfirm as soon as I reach Houston.

Now, that leads to the next problem: where to stay. If Texas Southern plans to lodge me at the college - if that can be done - I feel I ought to accept that. If they are going to put me up somewhere else, I'd of course be very glad to accept your invitation, which I hope will not cause too much trouble in the household.

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I have no ideas about what kind of lectures they expect from me, nor at what times, and that makes, of course, planning a little difficult. The only thing is, that if there are no night lectures, I should like the College people to put up any entertainment - if there is to be any - on the night of the 11th, which would give us both the 10th, the 12th, and the morning of the 13th. But again, that is completely up to you and them, and you'll have to arrange as possible.

The idea of a field trip in the Houston area in August seems a rather hot one, and I am afraid that any program will hardly ~~permit~~ give us the time for it - unless I might possibly come in from Austin earlier, but that I do not know. Possibly some of my teaching will be in the field, but that would hardly interest you, and, besides, there is this colour problem.

As I think I wrote in my previous letter, I must leave it to you to contact Dr. Henry and make up a schedule for me. I hope you can find something that will satisfy everybody, and I am looking forward very much to seeing you again. Letters can reach me c/o Dr. Oosting, Duke University, July 28-29, if necessary.

Sincerely yours

Bruce Fagri

Hunt Institute for Botanical Documentation

Professor Knut Faegri

1 July, 1960

Dear Professor Faegri,

What delightful news! I shall be here on the 11th and 12th and will certainly look forward to spending as much time with you as you can afford to take.

If you would like to be our house guest in our humble but air-conditioned place, please accept our invitation. Just let us know. We shall understand if, for any reason, you would prefer public lodging.

I will want to do whatever you would like, but I thought you might enjoy spending one of your days here in the field

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with me. I spent such a day with
Iversen here four years ago. But I have
learned a bit since then and could tell it
think, show you an interesting bit of coastal
vegetation
east Texas. As I have already said,
that will be up to you. I am sure we
could have an interesting last visit if that
would appeal more.

Are you aware that Texas Southern is
the local Negro college? Of course, I don't
know if Dr. Terry is colored, but, if he is,
the circumstance would preclude any joint
dinners, etc., because of our 19th century legal
code here. Just a word to the wise.

Once again, let's make no arrangements
until I hear ① if the field trip sounds interesting
to you, ② if you'll stay with us ③ which days or
parts thereof you plan to be with me.

Very best wishes,

Lefund Thomas

Hunt Institute for Botanical Documentation

College Park, Md.
June 28th.

Dear Traverse,

I shall be in Houston on August 11th and 12th, coming from Austin, where I shall be on 8th and 9th, going to Estes Park, Colorado on 15th. Possibly trying to squeeze Tulsa in between. It would be fine if you were there, any arrangements to be made in contact with Dr. Rob. J. Terry, Dept of Biology, Texas Southern University.

My address till July 15th: c/o Prof. Peter J. Salamun, Department of Botany, University of Wisconsin, Milwaukee 11.

Sincerely yours

Tonus Faegri

Faegri

Hunt Institute for Botanical Documentation

Universitetet i Bergen
Botanisk

1345/58

November 18th 1958.

Dr. Alfred Traverse,
Shell development Co,
P.O.Box 481,
Houston 1, Texas.

Dear Dr Traverse,

thank you for your letter, dated Nov. 12th. I think you are quite right in your criticism of the relevant definitions in the Text-book. However, it was geared to the then usual perfection of microscopy among pollen analysts. Please note that I wrote microscopy, not microscopes. If the standard has later risen, perhaps the demands created by the Text-book may have been instrumental - in part.

It is very characteristic that the need for the sculpturing type "pitted" comes from an non-Quaternary palynologist. The type seems to be much more frequent among spores than among pollen grains. But it should be included, of course. We shall have to look into that. As a matter of fact, I was slightly uneasy about that particular point even in 1950. And with the advances of pre-Quaternary palynology since then, the omission is no longer defensible.

I have no sympathy at all for the whole tegillate-tectate business. But it was one - and I suppose the one - method for pinning Erdtman down to something looking like an agreement. And I do not think it need disturb us. We may go on with our usual terminology, as we like. As it is now defined, the term tegillate is so abstruse that it will hardly have any practical use. That some colleagues like words, and certainly shall rejoice in the possibility of employing another, however unnecessary, is a fact that cannot be changed. At any rate, we should now know what we are talking about.

Sincerely yours

Knut Fægri.

Hunt Institute for Botanical Documentation

Mailing Address
P. O. Box 481
Houston 1, Texas

November 12, 1958

Prof. Dr. Knut Faegri
Universitetet
Botanisk Museum
Bergen, Norway

Dear Professor Faegri:

Ulf Hafsten and Eva were recently here for a short visit. We had a very good time with them in both a social and professional way. I even found out where the Norwegian consulate is located here through trying to help Ulf get an extension on his passport.

Ulf tells me that a revision is underway on the Textbook. I had mentioned to him one major difficulty I have had with the system of sculpturing types, and he recommended that I write you with the idea you might be interested, though I would have assumed that many others have told you the same thing. The difficulty is simply that in your table of sculpturing types (p. 27), 1 micron is made a dividing limit, whereas the resolving power of microscopes in use by most palynologists makes this unreasonable. For example, if I am describing a pollen type with surface pits .8 micron in diameter, I am supposed to call this psilate according to your chart. Actually, pits .8 micron across are really quite respectably large. In my own records I have resolved this by calling them "micropitted." That is, a micropitted pollen grain has sculpture that would be called foveolate were the pits 1.2 microns across. To tell the truth, this particular exine sculpture type is the most common in my collection. It really tells much more about the grains to say that they are micropitted than to say they are psilate. To put this another way, there is now no term equivalent to scabrate (positive sculpturing series) for small pits (negative sculpturing series), yet in my experience one is needed.

I might also say that I don't like the newly proposed differentiation between tegillate and tectate. I found the old intectate vs. tectate distinction perfectly serviceable. Now I am supposed to speak of things being tegillate but intectate, etc., which has a characteristically impractical Erdtmanian ring.

Best wishes.

Very truly yours,

Alfred Traverse

AT:pjd

Hunt Institute for Botanical Documentation

65-1/5-2

Bergen, Norway.
April 24th 1956.

Dear Traverse,

your letter has been waiting for a long time while I have been skiing in the mountains - Easter being the great skiing time in this country.

With regard to the question about the chemical composition of the exine, I am afraid that there is not much more known that Zetsche's old and not very elucidating things. What we do know positively is, of course the differences between the groups, which have appeared from Mrs. Afzelius' excellent sections, some of them published, some unpublished, but I suppose that you have seen all those which I have seen. Further, the different reactions to stains indicate that there must be some difference in chemical composition - theoretically it may be a difference in physical state, but I do not think that is so in reality.

I am afraid that is all that can be said about the matter at present. The important thing is, of course, to be aware of the differences, whatever they are, and not generalize too wildly.

Already old Zetsche has demonstrated the difference in chemical composition between gymnosperms and angiosperms. That is the factual basis for my parenthesis.

Sincerely yours

Knut Fægri.

To:-
Dr. Alfred Traverse,
3737 Bellaire Boulevard,
Houston 25, Texas.

Hunt Institute for Botanical Documentation

April 22, 1957

Dear Al:

Your recent letters were a welcome "voice from home". We enjoyed in particular your account of the visit from the Culbertsons (We didn't even receive a Christmas card this year). They must be busy with two children on their hands.

The Keppelers have fared as well as could be expected through the winter — in fact we were congratulating ourselves on having avoided a serious bout with colds, when warm weather finally arrived, bringing with it colds for everyone. Yours truly was scheduled to fly to Korea more than 3 weeks ago on a well drilling problem, but has been grounded with a persistant ear infection of the middle ear. It looks as though things are clearing up now, though so will be heading out tomorrow if I can escape a set back.

We enjoyed a wonderful Easter at home yesterday. It is still Easter Day with you so I'll wish you a Happy Easter now. Mike and Mary both entered into the spirit of events, but Bev and Anne were left by the wayside.

Hunt Institute for Botanical Documentation

Guess I'd better get down to facts so this letter will make the mail. (of 65)

S. Endo is the "boy" working here. He was fresh out of reprints so I had this photostat made along with one for our office courtesy of the U.S. Army. (ha.)

The book you requested costs ¥2,500 (yen) or $6.94. A book dealer I work with is ordering it and I will send it as soon as possible. I'll let you know about postage charges and you can pay me by check, which I'll return through our Canada account.

Phan's father died rather suddenly a couple of weeks ago and things were quite disturbed for a while here, as you can imagine. I believe the cause was diagnosed as arteriosclerosis with advanced damage to the brain. One good thing was that we heard he had asked to be baptized into the Catholic Church a few weeks before he died. He had been a "nominal Protestant all his life. Never underestimate the power of Prayer!

To all of you, Our best regards,

Gary Kepferle

Hunt Institute for Botanical Documentation

April 11, 1957

Professor Dr. Knut Faegri
Botanisk Museum
Universitetet
Bergen, Norway

Dear Professor Faegri:

For some of my work I have been trying to assemble information about what is known of the chemical composition of pollenin and sporonin. There seems to be remarkably little more than Zetsche's rather old work.

In your recent paper in The Botanical Review you state (p. 644): "....Cryptogam spores and even gymnosperm pollen are organized in a different manner (the chemical composition also is different)...." Would you let me know whether this refers to a chemical difference between sporonin and pollenin and, if so, what the literature reference is? I would also appreciate any information you might happen to have about recent work on the chemical nature of the exine.

Best regards.

Yours very truly,

AT

Alfred Traverse

AT:rlg

Shell Development Company
Exploration and Production Research Division

Hunt Institute for Botanical Documentation

May 16, 1956

Professor Dr. Knut Faegri
Botanical Museum
University of Bergen
Bergen, Norway

Dear Professor Faegri:

Thanks for the copy of "Palynological studies in NW European Papilionaceae," which I have found of considerable interest. One of the things I hope to be able to do here is to make similar studies of groups that are important as microfossils.

Tomorrow I am off for the Third National Pollen Conference. Apparently nearly all of the American palynologists will be there. The program looks very interesting indeed. You may hear more about the affair from our mutual friend, Dr. Iversen, in whose honor the meeting is being held at this time.

Yours very truly,

Alfred Traverse

AFT:rlw

Shell Development Company
Exploration and Production Research Division

Hunt Institute for Botanical Documentation

UNIVERSITETET I BERGEN

BOTANISK MUSEUM
Bebruary 7th 1956.

Jnr. 253/56

Dr. Alfred Traverse,
3737 Bellaire Boulevard,
Houston 25, Texas.

Dear Traverse,

yesterday I got the following letter, the contents of which I think will interest you - if you have not already found out about the matter.

I'm having a meeting and leaving to Mrs. Hafsten to finish the letter, so I&ll just send my best greetings.

Yours sincerely

Knut Fægri.

In reply to your letter of 3o. January 1956 to Prof. Lanjouw I can inform you that the date after which the designation of a type is obligatory for the valid publication of a name is indeed 1 January 1958. This will be Art. 35 of the new Paris Code. On p. 145 of Taxon vol. 4 you will ~~kx~~ find that proposal B to new Art. 44bis was accepted. There was, however, a general ruling that all new prescriptions in which a date is mentioned, will take force only from 1 Jan. 1958. This is implied in the motion by Ross mentioned on p. 152, Taxon vol. 4.

Sincerely yours,

F. A. Stafleu.

Hunt Institute for Botanical Documentation

Universitetet i Bergen
Botanisk Museum

March 24th 1956.

Dear Traverse,

thank you for your letter, dated March 9th. I find myself in complete agreement with Mrs. Afzelius - as you will, I hope; also see for yourself rather soon. This provided a paper I have written for "Botanical Review" does appear in not too distant future.

It may interest you to hear that I had a very pleasant letter from Erdtman to-day. Evidently I am back in more or less favour again. Though I must admit that I do not always understand the reasons for his vagrant moods, it is always more pleasant to be on the positive side in the accounts.

The main purpose of this letter is, however, to inform you that I have at the same time sent you by surface mail a sample of Corylus pollen, collected from the same trees from which I have collected my own reference sample. I had a very nice morning walk up there some days ago in stead of going to the museum. The proper designation of the locality, in case you are interested, would be: Norway: Hordaland: Fana hd.: Birkelund - Fantoft. 14/3 1956.

Now I am going off for the Easter skiing vacation. I shall need it.

Sincerely yours,

Knut Fægri.

Hunt Institute for Botanical Documentation

March 9, 1956

Professor Dr. Knut Faegri
Universitetet I Bergen
Botanisk Museum
Bergen, Norway

Dear Professor Faegri:

Many thanks for the interesting news from Lanjouw, via Stafleu. This appears to lay to rest for once and all the notion that certain palynological names are invalid for reason of lack of typification. It still is true that typification is and was a very good idea and should be regarded as the norm. That it has not been required by the letter of the law, however, is now very clear to me. This makes a fine ruin of the theory that Kremp advanced last summer at our symposium that we could throw Pflug's items out on the basis of no typification. Theodor Just and James Schopf both made the point that typification is not required, only suggested, in the discussion that followed Kremp's presentation and mine. They did not know, though, the exact details of the new code's provisions on the subject. Furthermore, some of us were so convinced that typification should be required that we were illogically unwilling to drop the idea that it was required.

I have had a bit of correspondence with Mrs. Afzelius about the interesting subject of whether the divisions of the exine are purely stratigraphic (as Erdtman says) or whether there is a microchemical difference of some sort between, say, the ektexine and endexine. I quoted to Mrs. Afzelius that you had observed staining differences and that you were of the preliminary opinion that there is a real (as opposed to a stratigraphically convenient) difference between the layers of the exine. I suggested to Mrs. Afzelius that her electron microscopy might help to elucidate this problem. The latest shaft from Mrs. Afzelius, in part, is:

"Only I think that the electron microscope is not the tool to be used for those experiments. For a long time I thought that the two layers examined by Faegri were the endonexine and the rest of the exine respectively. If it is not so, it might well happen that there is a real physico-chemical difference which cannot be observed at a resolution of about 40 A. It might be demonstrated, however, by means of staining

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techniques, as we do not know very much of how the immersion fluids penetrate the material. When making staining experiments in Bromma we have not observed this demarcation line. I have not got the time to try to examine this problem more closely, and I do not know in which plants Faegri has observed this difference...."

I enclose a copy of a letter to Mrs. Afzelius, to which the above was a reply. I hope I have not been too far off base in my understanding of your ideas. Anyhow, the subject seems very intriguing to me.

Very best wishes.

Very truly yours,

Alfred Traverse

AT:lbd

Enclosure

Shell Development Company
Exploration and Production Research Division

Hunt Institute for Botanical Documentation

April 22nd 1956.

660/56

Dear Traverse,

your letter of April 19th: I should guess that the Carlsson, Vegeholm, Corylus, if they provide Corylus, would be as good as anything else. If they don't, certainly they'd be willing to do so if they think there'll be a market for the stuff. - But you'll hardly need that yourself?

Can you imagine: Erdtman has asked if I'd consider co-editing Grana?? Apparently Mme van Campo is at present an even worse hair in his soup than I am.

Sincerely yours

Knut Fægri.

To:-
Dr. Alfred Traverse,
3737 Bellaire Boulevard,
Houston, Texas,
U. S. A.

Hunt Institute for Botanical Documentation

April 19, 1956

Prof. Dr. Knut Faegri
Botanical Museum
University of Bergen
Bergen, Norway

Dear Dr. Faegri:

The sample of Corylus (I presume avellana L.) pollen arrived in very nice shape, speedily released by the quarantine people of the Department of Agriculture. I am very happy to have it, and I plan to use it in future reference preparations made in my laboratory. Presumably you know about the firm of Gösta and Eric Carlsson, Vegeholm, Sweden, who supply, on a commercial basis, quantities of pollen of a number of different things, including probably C. avellana. What would you think of using their product for addition to reference slides?

With all best wishes, I am,

Very truly yours,

AT

Alfred Traverse

AT:hmp

Shell Development Company
Exploration and Production Research

Hunt Institute for Botanical Documentation

Professor KNUT FAEGRI,
Botanisk Museum,
Universitetet I Bergen,
B E R G E N
Norway

The Hague, December 29th, 1955

Dear Professor Faegri:

Thank you for your very interesting letter of 21 December. The slides and the manuscript also came, and you will be glad to learn that the manuscript did come before I left for Krefeld. It comes as an anti-climax to say that I forgot to take it with me.

The matters in your letter are too complex to be dealt with in a short letter, and besides I must now refer to the Rules themselves and to whatever authorities I may be able to turn up. At the moment I confess to being somewhat confused. I shall write in more detail later, perhaps about a month from now, from Houston. (I leave for New York by air, 2 January.) For the moment, I can only say that I have certainly been under the impression that typification is required, though an illustration could serve as a type in lieu of an actual specimen. According to your letter, this is not true. If you are right, we have now not only the inherent difficulties of palynological nomenclature but also a legal mess in the relevant rules.

I should also say a few words more about this "membrance" business. I am still not convinced that we have hurdled the semantic barrier. On reflection I think that either "within" or "inside" convey the wrong idea in your sentence on p. 18. As I originally read the sentence I quoted in my last letter, I understood "inside" to mean that the structure was structure of the tectum itself, whereas I now think that you meant "interior to", that is that structure refers to what is beneath the membranous tectum. (Incidentally, my word in the fourth line from the bottom of the second page of the 9 Dec. letter should have been "misunderstood".) The reason I brought this up was to explain why I did not understand the membranous (almost theoretical) nature of the tectum. Of course, the membrane itself can scarcely have structure, in the sense that we now speak of structure. This clearly calls for a diagram, as the words are exasperating.

Best wishes to you and your family for a happy 1956.

Sincerely yours,

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

Hunt Institute for Botanical Documentation

UNIVERSITETET I BERGEN

BOTANISK MUSEUM
December 21st 1955.

Jnr. 1623/55-

Dear Traverse,

thank you for your letter, dated December 9th. I am sorry I kept your manuscript so long, but cling to the small hope there is, that you got it before going to Potonié's. I shall be very interested to hear your comments on the performance and performances in Krefeld.

Your question about the typification of fossil plants including form taxa set me looking through litterature, and while I have found a number of other things, I have not been able to find any authority for one date, which I feel I have seen somewhere, viz. that typification of fossil material is not compulsory until January 1st 1958. Perhaps I have dreamt it. But on the other hand you have the AUTHORITY on the Nomenclature Rules near at hand - prof. Lanjouw at Utrecht, and may consult him.

What I have found is the following: The funny thing is that types have been mentioned in the Rules for I do not know how many editions, but they have not until now been made an integral part of the rules. Then Lanjouw. realising that the situation was rather anomalous proposed (cf. Recueil des propositions etc. - Regnum vegetabile 4: 20, Principle IX, prop A): "The application of names of taxonomic groups is determined by means of nomenclatural types." - This is the fundamental ruling, and when discussed at the Paris congress some bright persons found out that it would then need a supplement to enforce it (cf. Taxon 4 (6): 129.

The supplement is found in the new Article 44 bis (preliminary enumeration), cf. Recueil p. 65 seq.). There are three proposals, all demanding indication of a type for valid publication. All three state January 1st 1955 as the date, on and after which a name is not valid unless etc. Now, there is a very funny thing there: proposals A and B both state that"(On and) After January 1st 1955, names for taxa are not..." Proposal B has been formulated by the rapporteur and reads "...names of new taxa of recent plants are....". In his commentaries Lanjouw even says that "Proposals A and B are identical and incorporated in porposal C". I wonder what has happened, for obviously A and B include one very important part that is not incorporated in C. viz. the fossil plants. That leaves us high and dry, even if proposal C was accepted by 211 votes against 69 (Taxon loc. 145).

The only I have been able to dig up about fossil plants after that decision, is a statement from the special committee for paleobotanical nomenclature (Taxon 4 (3): 69): Typification of fossil plant names. There are mentioned the (former) articles 18, 19, and PB 4, as being in need of consideration, but apparently they have not considered that the present wording of Art. 44 bis leaves out the fundamental question as to the compulsion to indicate a type when publishing.

As far as I can see now, that is the situation: The Rules have never before demanded that a type should be indicated when a new taxon was described. Consequently we cannot apply anything like that to fossil plants either. - I should have added that the Stockholm special rules for fossil plants (Appendix IV, Regnum vegetabile 3: 64-65) do not contain any special claims for types to be indicated with the description. Both Art. PB 4 and PB 5 deal with types,,but they do not state anything about the indication of a type being a condition of valid publication. The only indication we find, is contained in Recommendation PB 6 E: "In descriptions of new species it is desirable to mention which specimen is regarded as the type and to indicate in which museum or collection the type is to be found". That is something, but it is only a recommendation, and states that it is desirable. not that it is compulsory.

I short: At present there is nothing in the Rules forcing us to

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indicate the type when we describe a new species of fossil plants, including also form species. - As a rule cannot be given retroactive effect, we are safe, at least as regards anything published before January 1st 1955. If I can later find any authority for my 1958 date, I shall let you know.

I can find no compelling reason for your or Kremp's assumptions that so-and-so's names are invalid because we have no indication of actual type specimens. I wish they were!

The question of accepting an illustration as the type has also been debated. The relevant rule as before Paris was a note, or rather two notes to Art. 21: "1. For plants for which it is impossible to preserve a type specimen, the type may be a figure and/or a description. 2. For a species without a type specimen, the type may be a description or figure." Both of these - of which I suppose the first refers to actual procedure when describing new species, the second to the problem of previously described species in the same category - seem to refer to cases like Flagellatae where specimens do not seem to adapt themselves to permanent preparations. I do not think the rules can be applied to anything like our pollen grains or spores, even if the second might perhaps. Amending proposals rejected in Paris (Taxon l.c. p. 134, cf. Recueil p. 36-37).

Then we have Art. 45: "On and from 1. Jan. 1912, names of new taxa of fossil plants are not considered as validly published unless they are accompanied by illustrations or figures showing the essential characters (a very wise proviso, which may, however, be the cause of rather unpleasant disputes!), in addition to the figures description, or by a reference to a previously and effectively published illustration or figure". It will be seen from this, that the Rules do not demand anything like a type illustration. The illustration not even must show a particular specimen, it may be a semi-diagrammatic illustration, e.g. like Erdtman's palynograms, provided that is does show the essential characters. I therefore think that your last question, p. 1 in your letter, is a little beyond the point.

I do hesitate to put my authority against such people as Schopf, but I cannot find that they are right in their interpretation of the rules - as long as types are not compulsory. And as I have said above, that they were not before January 1st 1955 in any case. In the case of fossil plants not even then - or to-day. I shall be very glad if I am proved wrong on this point.

Tricolpites (Eucomiidite) troedssonii presents at least two different problems, viz. 1. the validity of the specific epithet, and 2. the validity and rank of Eucomiidites.

The former is, I think, very easy. It is a fossil (form) species. It must be described and the description must be accompanied by an illustration (not necessarily of any given specimen), and one more: According to Art. 54 its rank must be indicated ("A name published after on or after 1 Jan. 1953 without a clear indication of the rank of the taxon concerned is not validly published"). I do not now remember exactly when and where this name was published, but we presume that it was published after the said date, in which case it must, I think, be accepted even if Erdtman has only added something like "nov. sporomorph." behind it, not "nov. sp. sporomorph." At any rate I would consider it extreme formalism to reject a name for that omission. I cannot find anything in the Rules invalidating a specific epithet because there is a parenthetic word between the generic and the specific epithets, as long as it is 1. perfectly clear to which genus the species belongs, and 2. the generic epithet is validly published either at the same or a previous occasion.

The Eucomiidites part of it is more dubious. If it is not described validly described, out it goes. And one might perhaps note especially Art. 47: "The name of a taxon is not validly published by the mere mention of the subordinated taxa included in it". So, even if Erdtman had at the place in question a whole list of all Eucommiidites species, that would not help him. And again, of course, the indication of the rank of the taxon is necessary, and there is the problem if we can accept his parentheses as indication of sub-generic rank. I would be inclined to give him the benefit of the doubt. Another question is the wisdom of establishing

Hunt Institute for Botanical Documentation

too many taxonomic ranks in form taxonomy. I feel that form species and form genera are about as far as we ought to go. And at present Eucomiidites is not a genus. But, naturally, anybody can validate it as such - and the rules are not against using a previous nomen nudum for the same taxon (cf. Recueil p. 71).

To sum up: As far as I can see, Tricolporites troedsonii is a good and acceptable name. The subgenus Eucomiidites is disputable for several reasons. I do not think the specific epithet needs re-publishing to be validated, but I can well imagine that the sub-generic needs it - and I would then prefer to see it as a generic name instead.

Nomen typicum concretum is, of course, Erdtman's own invention, and can only serve to invalidate Eucomiidites definitively. The Rules do not recognise anything like it - nor semi-natural classification, nor any of the other ingenious inventions of bright people not caring to look up the relevant rulings.

Thank you for your comments to the wording of some of the phrases of the text-book. If it ever comes in another edition, I shall take care that the wording is more stringent. However, my idea with the definition of the tectum was that the term membrane should be what the specialists call the operative clause. I thought membrane would bring up the idea of something continuous, in contrast to the discontinuous outer covering present in intectate grains. I now understand that this is not clear enough, even if I personally feel that a membrane must be a membrane (whatever that may suggest to the reader) and not, as you write "Everything outside the endexine". I suppose we may reach the object by inserting "continuous or almost continuous" before membrane. Then it should be clear enough, but slightly redundant. Ref. the other point I think you are oerfectly right, and that "within" is the word we should have used.

I shall not give any comment on the endospore - exospore - perispore questions. I know nothing about spores, really, but I have a very strong feeling that we should be extremely careful in making any comparisons between cryptogam spores and pollen grains. And also gymnosperm pollen, they may be so different from those of angiopserms as to be incomparable. I think that Erdtman's comparison (somewhere, it is not possible to trace it in all his writings) between the bladders in Pinus and in Trapa is premature, to say the least. The idea of the tectum loosening from the endexine and pulling the columellae with it is, per se, not unpleasant, and we do possess such grains (polygalaceae, if I remember correctly), but even so, it is not a proof that the same is the case in Pinus.

Wishing you the best for the Season and the New Year,

Yours sincerely

Knut Fægri.

Hunt Institute for Botanical Documentation

Professor Dr. K. FAEGRI,

Universitet i Bergen
Botanisk Museum,

B E R G E N,
Norway.

The Hague, 2nd December 1955.

Dear Professor Faegri:

Thank you for a very fine time in Bergen. I think that it was a very profitable experience for me. I shall especially remember the technique demonstrations and the discussions of "sporoderm stratigraphy". Let us hope that research will soon clear up what is the fundamental problem here: the heterogeneity or homogeneity of the sporoderm.

The personal warmth with which you and Mrs. Faegri greeted me will always be a most pleasant memory of my visit to Bergen.

Best wishes to all,

sincerely yours,

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

Hunt Institute for Botanical Documentation

Prof. K. Faegri : 25 Nov. 155

Necessary to get rid of oils, because in drops of unheated pollen, oils assume the form (colored pollen are colored because of oils)

Proposed method of preparation of recent pollen for international exchange.

1. Anthers (or whole corollas in case the flowers are small) are prepared cut.
2. Grind in china mortar with a little chloroform or ether (to dissolve wax on the grains)
3. Sieve through fine-meshed metal sieve under jet of 96 % alcohol.
4. Add (ca. 1o 2) Corylus. Centrifuge together.
5. Divide into 3 portions (A, B, and C). Portion A is set asice. ~~in the pauses in the following it is washed once in water and transferred to the glycerol jelly, after being stained.~~
6. Portions B and C are acetolysed. Centrifuge.
7. Add acetic acid, separate B and C if not done before. Do not centrifuge.
8. Portion C is chlorinated. B and C are centrifuged separately.
9. B and C kept separate. Wash with water.
10. B and C are combined again. Boil in KOH. Centrifuge. Add portion A and before last centrifuging
11. (B + C) is washed in water. Centrifuge. Repeat. Stain.
12. (B + C) is transferred to a watch-glass with a little water ~~A small piece of glycerol-jelly~~ and heat until the jelly has melted
13. The watch-glass is left for evaporation until a suitable concentration has been reached.
14. A small portion of the glycerol-jelly with pollen grains is transferred to a slide, some paraffin added. Melt over gentle heat and cover.

for 14 see over →

Acetolysis: 1 pt. conc. sulfuric acid, 9 pts. acetic acid anhydride. Heated in water-bath till reaches ± 100° C.

Chlorination: ½ - 1 ccm conc. $NaClO_3$, 3 - 5 drops conc. HCl.

Staining: Add suitable quantity of stain solution to washing-water in centrifuge tube, shake, and centrifuge.

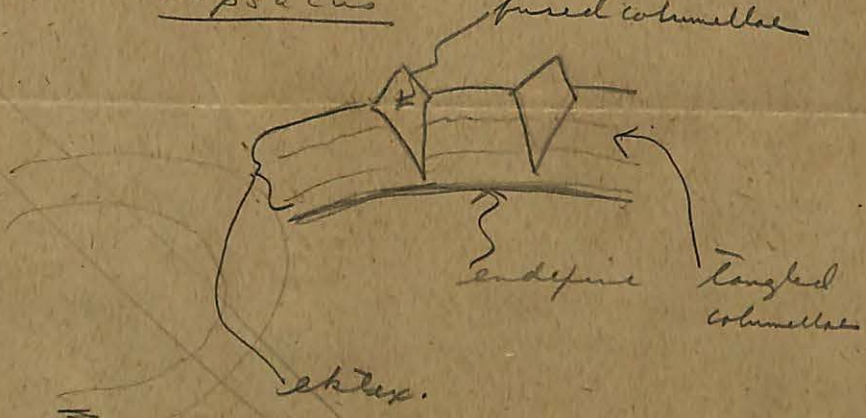
Hunt Institute for Botanical Documentation

25 Nov. 155 K Faegri & A. Tralau



acc. Faegri, may be
"foot" layer – which would
be part of ektexine

O. pisacus



Hunt Institute for Botanical Documentation

UNIVERSITETET I BERGEN

DIREKTØR

Bergen, 22.november 1955.

Til instituttene under Det matematisk-naturvitenskapelige og Det historisk-filosofiske fakultet, samt Universitetsbiblioteket.

Landslaget for reiselivet i Norge utgir i høst en publikasjon, "JUBILEE YEAR Norway Cavalcade", som egner seg utmerket som jule- og nyttårshilsen til utlandet. Publikasjonen, som ikke er å få i bokhandlene, koster kr.5,25. Universitetet har kjøpt 100 eks., men administrasjonen kommer for sitt vedkommende ikke til å bruke mer enn ca. 30. Resten av beholdningen tilbys herved interesserte institutter og tjenestemenn. Et eksemplar av publikasjonen vil bli sendt i sirkulasjon så raskt som mulig.
Bestillinger meldes til frk. Stinessen, tlf. 18891.

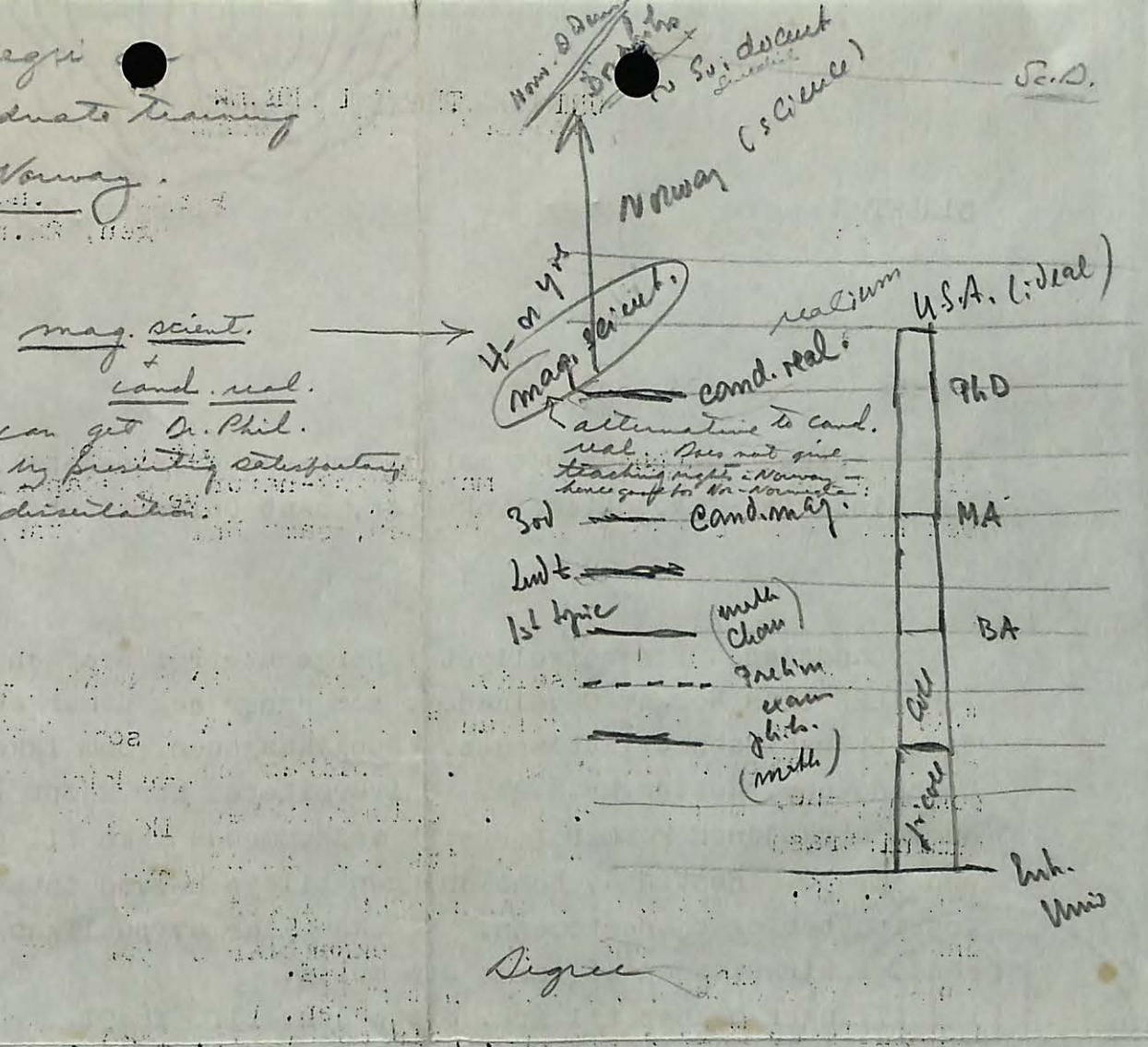
Leif J. Wilhelmsen.

Hunt Institute for Botanical Documentation

K. Faegri

Graduate training

in Norway.



mag. scient.

+

cand. real.

can get Dr. Phil.

by finishing satisfactory dissertation.

Degree

Dr. Knut FAEGRI,

Botanisk Museum,

Universitetet,

B E R G E N,
Norway.

The Hague, November 11, 1955.

Dear Dr. Faegri:

Thank you for your very kind invitation. I am looking forward to meeting you very much. It is my plan to fly to Oslo and take the train to Bergen. I shall arrive on the 24th of November and shall stay until the 26th, so that I will have one full day in Bergen.

Very best regards.

Sincerely yours,

AT

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

Hunt Institute for Botanical Documentation

UNIVERSITETET I BERGEN

BOTANISK MUSEUM

Jnr. 1398/55

October 29th 1955.

Dear Dr. Traverse,

we shall be very glad to see you here any time it may suit you. As far as I know, I shall be in town except for what I think will amount to the first week of December. Why not come comparatively soon? Let us have a word a day or two before you arrive.

Yours truly

Knut Fægri.

Hunt Institute for Botanical Documentation

October 26, 1955

Prof. Knut Faegri
Botanisk Museum
Universitetet
Bergen, Norway

Dear Professor Faegri:

Beginning about November 7, I shall be visiting for about six weeks at the laboratories of N. V. de Bataafsche Petroleum Maatschappij in The Hague. During that time I should very much like to visit you in Norway for a day or two to discuss with you matters of mutual interest in palynology and to see your laboratory. If you are agreeable to this idea, would you like to write me at the following address?

c/o Dr. J. D. Emeis
N. V. de Bataafsche Petroleum Maatschappij
30 Carel van Bylandtlaan
The Hague, The Netherlands

It may be that you will be out of town or otherwise engaged during part of November or December and that you will want to suggest a date for this visit that will best fit into your plans.

Very truly yours,

Alfred Traverse

AT:hmp

Shell Development Company
Exploration and Production Research

Hunt Institute for Botanical Documentation

October 7, 1955

Dr. Knut Faegri
Universitetet
Botanisk Museum
Bergen, Norway

Dear Doctor Faegri:

Many thanks for the reprint of "Single-grain pollen preparations, etc." The paper will prove useful to me in my work here.

Please note my recent change of address.

Yours truly,

Alfred Traverse

AT:dty

Hunt Institute for Botanical Documentation

July 21, 1955

Through Chief, Br. of Coal Tech.

Professor Knut Faegri
Universitetet
Botanisk Museum
Bergen, Norway

Dear Professor Faegri:

Is there a chance you would still have available a copy of your paper, "Single Grain Pollen Preparations," Geol. Fören Förh., Bd. 61, etc.? I would much appreciate a copy for use in my work here.

Very truly yours

AT

Alfred Traverse
Head, Fuels Microscopy Laboratory

cc ATraverse/dw

Hunt Institute for Botanical Documentation

UNIVERSITETET I BERGEN

5-12-55

BOTANISK MUSEUM

Jnr. 1560/55-

Dear Traverse,

owing to great pressure of work I have only to-day had the chance to finish reading your thesis, which you kindly left with me. I shall/to-morrow/return it/, but I do not now know the form, so perhaps it shall have to go by some slow mail and shall arrive some time later than this.

I am much impressed with your work, which seems both well-balanced and very carefully executed; but, of course, the part which interested me most, was the last one, the discussion about nomenclature etc.

Emphatically agreeing with most of your statements I feel a certain urge to have stated more clearly that once a form genus name has been properly published - and before January 1st 1958 the indication of a type specimen or species is not necessary for valid publication - it is with us to stay. Your may be perfectly right in your contention that Betulaceopollinites, besides being a whale of a word, may be extremely unfortunate if it should turn out that the type belongs to Myricaceae, but there is nothing that can be done about it. It is unfortunate that Cetraria nivalis is about the most chionophobous plant in the mountains, but it cannot be helped either. The ruling principle, the philosophical background of the nomenclature rules, is the botanical answer to Hamlet's question: There is nothing in a name, there is all in what the name stands for. That is also the reason why we cannot make priority etc. rules for morphology - morphological terms must make sense in themselves - taxonomic names need not, even if most of us would agree it were better if they did.

So, there we are, Betulaceopollinites and all. Somebody will have to clean the Augias stable, but who? Most of those who are competent to do so either have compromised themselves to some "system" which may be excellent in itself, but which is contrary to the nomenclature rules, or they have demonstrated a blatant ignorace of the same Rules. Not that I am too enthusiastic about the Rules myself, but I suppose that, like this world, they are the best ones possible, otherwise they would have been better. - There is, of course, the chance that our friend Betulaceopollinites has been published after, I think 1935, without an illustration, which would invalidate it, but the chance is rather slim.

Similarly Erdtman's Tricolpites (Eucomiidites) Troedsonii may be validly published if we consider Eucolpites Eucommiidites as a sub-generic name, like Rosa (Eurosa) canina. Again, all depends on the formalities of the description, which is certainly a rather unsatisfactory state. Science should depend on its own virtues, not on hair-splitting formalities. - Oh, what a mess they have made!

I some cases, e.g. Quercus siltaria, you write about a "columellate tectum". I do not quite see your point. A tectum as such can hardly

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1560/55

be columellate, unless you in that adjective include that it is borne on columellae. But then I'd rather say that the exine is columellate, not the tectum, because the columellae are in the exine (ektexine, to be exact, but as they are always there, if they are present, it is hardly necessary to say so), but they are outside the tectum (or rather, inside).

I do not quite get your ideas about margo and costae; perhaps Iversen and I have not been quite clear about it ourselves (I am writing this at home and have no cppy at hand), but as I see it, margo is a surface character: a margo may be smooth, or have smaller meshes in the reticulum, or something like that, but I would not like to say that it is thick (it may be wide, of course). Thickness would be a quality of the costae, and I am not quite certain that you are right that the costae are always located in the endexine, even if I cannot just now quote any examples of the other alternative. But I very definitely can quote examples of arcus being located in the ektexine, viz. the classical ones in Alnus. They are definitely ektexinous features. By the way, I liked Erdtmans pencil-scribbling about arcus and arci - as far as I can remember he has himself been using arci up till now. And speaking about his pencil notes, I definitely agree with you in distinguishing between exospore and exine. As long as we have no idea to which extent they are identically constructed (and so far Erdtman's, or rather little Mrs. Afzelius's, electron micrographs seem to indicate that they are not) we may just as well keep them apart. - But to return to the margos: p. 110 you have transversal margos. As the transversal furrow is (always?) an endexinous feature, and as the margo, as I understand it, is something on the outside of the ektexine, I cannot quite make sense of it. We have some cases with a more or less pronounced equatorial belt of different sculpturing, but that does not constitute a margo, because it does not form the edge of anything.

I am slightly in doubt about the arcus - or arci? - in your your Ulmus inaequalis-arcuata. Aren't they simply artifacts produced by the partial collapse of the grain. Or do you imply that?

Somehow I shall also send you a sample of the Saxifraga aizoon pollen we prepared together, so that you may see the results of our work. It was slightly under-stained, and to correct it I over-stained part of the preparations (too short for time). I do not know here, which one I shall send you. - The day after you had left I also made a preparation of Clivia miniata pollen. It does not flower until March with us, so I had to use herbarium material, and not too much of it was available. So I was not able to play about with it as much as I should have liked, and the primary question, if there is a continuous "foot layer" remains unsettled. But the queer things Mrs. Afzelius found clogging up the interstices between the columellae, do not appear. Were they just some kind of sticky oil which I removed with my acetone? All this must be looked into when I get more material. Perhaps we should try to cut the grains as well.

We shall have to return to that question. In the meantime, my wife sendes her greetings. It was nice to have you here, and I hope you enjoyed your trip to Norway - and I have not forgotten (not yet!) your Corylus pollen grains.

Yours sincerely

Knut Fægri.

Hunt Institute for Botanical Documentation

Prof. Dr. KNUT FAEGRI,
Botanisk Museum,
Universitetet I Bergen,
B E R G E N
Norway

The Hague, December 9th, 1955

Dear Professor Faegri:

Thank you very much for your kind letter of 5 December. I had planned to take the manuscript with me when I go to Krefeld this Sunday, but perhaps it was foreordained that I be prevented from doing so. Anyway, my visit there is to be very short, and it is perhaps wise that I spend as little of the time as possible on discussion of my efforts, when Potonié will have so much to tell me of his work (I hope).

(What follows should be read along with a copy of your letter to me - I hope you have one!)

I agree wholeheartedly with what you say about nomenclature. (By the way, I wish that I had emphasized that the species of pollen described in my work, as well as in the work of other Tertiary palynologists, are form species. That is very important and apparently it is not obvious.) But, to return to your comments, you are quite right about the validity of many of the names of genera, however unfortunate they may be. It was, however, my understanding that a type had to be designated for valid publication, though an illustration could be accepted as a type, if designated. There was much discussion of this point at our recent symposium on pollen systematics in East Lansing. Kremp came to the meeting with the idea that Pflug's things were invalid because of failure to designate actual type specimens, and I had a similar notion about Couper's validation of Cookson's names - that the validation was not legal because no type specimens were designated. Schopf, Just and the other American authorities who were present, however, disabused us of this idea. However, they did say, and it is my understanding from re-reading the rules, that an illustration must be designated as a type. In Miss Cookson's work, for example, there are frequently several illustrations of a new species (sporomorph) in the publication; which one is the illustration? I would appreciate your comments on this, with quotations from the Code, if possible.

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It was also my understanding that the use of a parenthetical expression invalidated Erdtman's Tricolpites (Eucomiidites) Troedsonii. I thought the code expressly forbids that. It was my understanding that the trivial name Troedsonii, however, would stand, provided that the description was valid, and if a type was designated. Since E. did not designate a type-specimen, and since no one of the photographs was, as I remember, designated as the illustration, I would say the trivial name is doubtfully valid, as per above paragraph. If designation of a particular illustration is not required, I would say that the Troedsonii trivial name would be valid, but that if someone else were to publish it as a pure, unvarnished Tricolpites, it would then be Tricolpites Troedsonii (Erdtman), Someone, inasmuch as E. did not use the name Tricolpites properly in his publication. There can be no question that Eucommiidites was in any sense a sub-genus. Erdtman, in the same publication, explained that the name is simply a nomen typicum concretum, a "helping name", as he described it to me. I would also appreciate your comments on this.

I think that the mess in palynological nomenclature is not at all insoluble; it requires simply a return to valid botanical nomenclature, and I am happy to report that this point of view appears to be gaining favor. At least, at East Lansing there was remarkable uniformity on this point - and just a few years ago when I was a graduate student I remember being told of all sorts of objections to such a weird idea when I proposed it at a botanical society meeting.

It is very much to be regretted that this manuscript of mine could not have been subjected to critical scrutiny by you before publication. Frankly, I did not think you or Dr. Iversen could be bothered to read critically a rather large paper of this sort. In the future, I shall not be so reticent. Some of the mistakes you have picked up are due to my having been entirely self-trained as far as palynology-proper is concerned. (I should emphasize that Dr. Barghoorn gave me a most thorough preparation in general paleobotany and did all he could to help me with my problem. He is not, however, a palynologist.) Relative to tectum: On page 17 of your Text-Book, you say, "If the ektexine forms another membrane outside the endexine (tectum)....." As I read (past tense) this sentence, the tectum is everything beyond the endexine in a tectate grain. I now understand from what you have written, and also from what Dr. Iversen said, that you regard the tectum as being only the outer continuous layer itself. But I still feel that it is not possible to be certain of this, armed solely with your excellent little book. Another sentence, that I believe I now understand correctly in view of your comments, but which can easily be misunderstood is, (p.18) "The term structure comprises all those characters which are due to the form and arrangement of the exine elements inside the tectum." The key word here is "inside", which I understood to mean within.

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Re margo: This is a feature of the ektexine. But, as shown on Plate III of your book, and as I have seen on several forms, it can be thicker or thinner than the rest of the ektexine. The idea that costae are a feature of the endexine came from your textbook and so far does not disagree with my observations, but I agree that it is not, at least logically, necessarily so.

Thanks for the correction on arci, also for the encouragement relative to the exospore-exine differentiation. However, I wonder if you do not agree that Erdtman is right that I should not use the term endospore as I have? He showed me a reference in Strassburger's elementary textbook that showed that the term endospore is essentially equivalent to intine. Incidentally, what do you think of Erdtman's assertion that the outer envelope of certain coniferous pollen (e.g., Glyptostrobus), which is rather tenuous and tends to be lost in preparation (and fossilization), is not an exospore (perinium), as I said, but simply ektexine (sexine). He says that this layer is equivalent to the vesicles (whoops, saccae) of pine pollen. Granting that this latter is a correct idea, is there not a chance that the vesicles are exosporeus?

Unfortunately I cannot remember for sure, but I think it was in the sapotaceous pollen, in which I found transverse furrows in the ektexine, hence making transverse margos possible. The arci of Ulmus I shall have to look into more thoroughly in view of your comments. I remember being a little unhappy about the things.

I am of course looking forward to getting the preparations you will send. If I can send something in return, please let me know.

Your letter has been the subject of a sort of seminar between Kuyl, several of the newer people around here and me - so you see, it has been very stimulating.

Greetings to Mrs. Faegri. As I wrote her, I hope that we can all be reunited in connection with the Montreal congress.

Cordially yours,

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

Hunt Institute for Botanical Documentation

THE PENNSYLVANIA STATE UNIVERSITY
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Phone: (814)863-3419; Fax: 814-863-7823
E-Mail: traverse@ems.psu.edu

9 September, 1997

Mr. Dan Fahy
1018 SW 2nd Ct.
Fort Lauderdale, FL 33312

Dear Dan:

Nice of you to write, perhaps on my birthday (7-IX-97)--you didn't date your letter (always a good idea to do so). And some of your compliments are almost embarrassing! I remember that class with great fondness. When I officially retired, the deal was that I could continue to give 423 and 420 if there were customers. For one year I did, but THAT class was the worst ever--lazy, no interest, sloppy in the lab, etc. So I decided to rack it up and work on my research when I am not playing. You were something of a challenge in the course too, but I could tell that if you got serious you had the stuff to do VERY good work. In the last class the smartest kid had an IQ of about 200, but he didn't even BEGIN the unknown until THANKSGIVING. There was no way I could reach him.

Glad grad school is going well. I have to admit I know nothing about the university where you are studying. Dania seems to be just south of Ft. Lauderdale. Have you been to Fairchild Tropical Garden, just S. of Miami in Coral Gables yet? My favorite place in all of S. Florida. I have been a member for years. Betty and I have rented a place in Clearwater for Jan. & Feb. of '98--will be joining a bunch of my Canadian cousins. That's up by St. Petersburg.

Yeah, those NLs look good this year. Betty and I failed to get tickets for the umpteenth year. We go only to out of town games. I contribute $250 a year to the NL Club, but that isn't enough to get football tickets these days.

We are going to be on the road a lot in the next couple of months, and among other things will be in Germany the weekend of Homecoming, so we'll miss you. We decided to go the Germany the day that we heard that we didn't get football tickets again. So there! I wrote a letter to the ticket people, by the way, that they ought to start enforcing a no-grandfathering rule. We have a son who is a cardiologist in Binghamton, NY. One of his partners had a mother, long since deceased, who was a PSU alumna. She had football tickets, and the son has kept them in force all

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of these years in her name. Our son and our grandsons come to PSU games and sit on the 45 yd. line whenever they like, using the old gal's tickets. That's outrageous.

If you go to the lab in Sarasota, we can visit you from Clearwater in Jan.-Feb.? Last time we there we took in the Ringling Art and Circus Museums--very interesting.

Our Florida address will be: Embassy Mobile Park, Highway 19, Clearwater, FL 34624. I don't know the exact lot number or telephone number yet, but I think the address above would reach us.

All the best to you in your further graduate work, and don't forget plants!

Yours very truly,

Alfred Traverse
Professor Emeritus of Palynology

Hunt Institute for Botanical Documentation

7 Sept 97

My school
NOVA SOUTHEASTERN
UNIVERSITY
Dania, FL

Hey Doc,

Thought I'd finally take a little time to let you know I'm still alive and doing fine, finally! School is going most excellent and I'm thoroughly enjoying the South Florida weather. I have Three courses remaining plus Six credits (or 9) of thesis work to complete to fulfill my Master's degree. My GPA is currently 3.85 or 3.9, so I'm extremely grateful for your assistance, reference letter and faith in my abilities. You definitely provided me with the confidence necessary to undertake graduate studies. I'm considering Two avenues of shark research for my thesis project. One with the Mote Marine Lab in Sarasota & the second with Sonny Gruber of U. of Miami in Bimini. Hopefully one of them will become open to me and I can begin the thesis work. I'm currently working on Hollywood Beach as an ocean Lifeguard Since my classes

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are all during the evenings. I'm writing this letter from my stand or I would have typed it on my computer. I'm still active in racing (triathalons), so I keep very busy between school, work and training. I rest assure that everything is fine with you and your lovely wife. I'm attempting to go home in October for a week and if possible make it back to State College for Homecoming. I'm completely ecstatic with PSU's ranking of #1 in all but one college poll. Hopefully they'll be able to live up to that incredible consideration, the media is finally respecting the Nittany Lions. I will most certainly look you up if I'm in town. Thank you again for everything and being my favorite Instructor.

Sincerely yours,
Danny Fahy

Danny Fahy
1018 SW 2nd Ct.
Fort Lauderdale, FL 33312
(954) 779-3164

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16 September, 1992

Director's Office
Fairchild Tropical Garden
11935 Old Cutler Rd.
Miami, FL 33156

Dear Sir:

Please send information about becoming a member of the Garden Associates, or whatever. I have been a "fan" of the Garden for decades (last visited in early January, 1990, to assess the damage caused by the late December freeze of '89), and should have affiliated with you long ago. News of the terrible destruction caused by Andrew finally triggers me to respond.

Hang in there.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

Hunt Institute for Botanical Documentation

Muriel Fairon-Demaret
Paléobotanique
7, Place du XX Août
B- 4000 LIEGE (Belgique)
Tél.: 32/41/66 52 60
Fax: 32/41/ 66 57 00

Liège, le 10 janvier 1995

To Professor A. Traverse
Penn State University
Department of Geosciences, Palynological labs..
435 Deike Building
University Park, PA 16802

Dear Al.,

The manuscript from P. Steemans, Le Hérissé, A and Bozdogan, N. entitled: "Ordovician and Silurian Cryptospores/ Miospores from S.E. Turkey" you reviewed did reach my desk safely and on due time. Many thanks to you for the great job you performed. Your help in this matter was constructive and very much appreciated. On the other hand I am very sorry having mailed you the manuscript to review while conditions were difficult for you in this very busy time at the end of the year. I am especially grateful to you because you nevertheless did do the job despite overburdening.

The manuscript and the comments already have been passed to Phil. Steemans. He is busy with the suggested corrections and additions.

I also will mail that manuscript to Paul Strother, according to your suggestion. He will be able to read it and mail me back his opinion about it. Of course it will be too late for providing an "official" review but his opinion surely will help the R.P.P. main office in Amsterdam to make the final decision.

Hope you had nice season holidays. Here the first semester ends in the middle of January : examinations and grade reports take place next week for me and this is not the most pleasant way the begin a new year. Cross my fingers the Maurice' Volume will keep with the schedule; not every reviewer is as efficient as you were....

I wish you all the best in 1995,

Sincerely yours,

Muriel.

Muriel Fairon-Demaret

Number of pages: 1

Hunt Institute for Botanical Documentation

PENNSTATE

University Park, PA 16802
USA

The Pennsylvania State University
Department of Geosciences
Palynological Labs., 435 Deike Building
(814) 863-7823 [FAX]

Date: 21 Dec. 94

☐ Mark here if urgent reply is requested.

Fax Transmission to:

Name: Dr. Muriel Fairon-Demaret
Company/Institution: Services associés de Paléontologie de l'Université de Liège
Fax Number: 7, Place du XX Août
Phone Number: B-4000 Liège, Belgium

32/41/66 57 00
32/41/66 52 60

Transmission from:

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

Total Number of Pages (Including Cover Page): 1

Message:

Dear Muriel:

It is always nice to hear from you, but this time it is also a bit difficult! Our Fall Semester is just now ending, with all that that entails: examinations, term papers, grade reports, conferences with students, etc. The holiday business that is normal for this time of year is superimposed on all of this, with visitors from out of town, etc.

The manuscript on Ord./Sil. is right down my alley all right, but I don't know what to do about your "short fuse." Your letter is postmarked 8 December, and the package arrived here about two days ago. We leave for California in less that a week. We return for the beginning of the Spring Semester on 5 Jan.

Furthermore, I would have liked my former student, Paul Strother, at Boston College, one of the world authorities on cryptospores to review the paper too, but I have ascertained by phone calls, that he is already into Christmas celebrations with his parents and his wife's family, and I know that he won't really be available until January.

A still further problem is that university mail service shuts down tomorrow (22 Dec.) until 5 Jan., 1995. So, I guess I'll do what I can right now and put the MS and my comments in the mail, in order to get it back to you before the university shuts down! This is not the way I like to do business.

Happy 1995 to you.

Yours very truly,

AL

Alfred Traverse

Hunt Institute for Botanical Documentation

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E-Mail: traverse@ems.psu.edu

21 December, 1994

Dr. Muriel Fairon-Demaret
Services associés de Paléontologie de l'Université
de Liège
7, Place du XX Août
B-4000 Liège, Belgium

Dear Muriel:

Well, here I am much later on the same day as the fax was sent you this morning. In case the fax didn't get to you, I enclose a copy because it explains the hurry-up job. Trouble is, the authors of this paper produced it in the same way! I have read through the entire paper by Steemans, et al., though of course in this time frame I haven't been able to check any of the pertinent literature, nor have I read the paper the way some editor must read it. The cursory reading I've given it has discovered a number of typos, and I've indicated them in red. I would presume there must be many more, though the English is very good.

This is an important piece of work, and a paper should be published about it. However, it is my opinion that the present paper was rushed through to completion to beat the Streel volume deadline. It is not, as it stands, ready for publication in my opinion.

My most important criticism is that the systematic descriptions do not contain the essential information about which samples, from which levels of which cores produced the illustrated and described specimens. It's true that Fig. 3 shows the distribution of the species as a whole, but it is hard to relate the zones shown there with actual levels in actual wells. The existing figures don't help me with this problem. Furthermore, the systematic descriptions, especially of new taxa, MUST contain this sort of information. For that matter, no geographic info is given either, other than "S. E. Turkey", about as informative as "Pennsylvania"--which wells, exactly? It drove me wild trying to figure out just where some of the critical taxa were found, especially with respect to chronostratigraphic levels. This just must be corrected, and it will be quite a job. The acritarch info is introduced to provide stratigraphic control--so why not tell me very clearly where all of the forms come from in relation to that. That will require a much more systematic presentation of the acritarch data, with at least an easily comprehended figure to refer to! None of the existing figures provide the

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required specific framework. There should be a figure telling me where the biozones in Fig. 3 fit into a general picture.

Several of the figures have unexplained numbers in various places. One almost gets the idea that the figures were "boilerplated" in from other reports. That means that either the figures or the captions, or both, are deficient. On p. 48-49 the zonation discussion should be expanded and keyed into figures and plates-captions.

The systematic section needs an introduction with the usual information. For example, it needs to say where the types are deposited, or the names will not be validly published per ICBN. The abstract should ideally list the new taxa and the transfers, or at the very least key the reader to the fact that there <u>are</u> such.

In the descriptions much is made of the "shape" of the fossils, but this depends on the view, and that is seldom given. Often the authors mean "amb" and should say so, but this is not always the case. "Shape" for palynomorphs means little, because they are totally flattened objects, unless it is shape with a reference to view.

In brief, Steemans et al. have some very important stuff here. It would be a pity to rush into print with it in the present confusing condition, and I don't think this is a matter that can be corrected by a couple of days of work. We are talking about major revision, but it should be done, probably not in time for the Streel volume!?

Sorry--but you asked me, so I told you.

Yours very truly,

Alfred Traverse

encl.:Manuscript, copy of fax

Hunt Institute for Botanical Documentation

Muriel Fairon-Demaret

Services associés de Paléontologie de l'Université de Liège

7, Place du XX Août

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Tél.: 32/41/66 52 60

Fax: 32/41/ 66 57 00

Liège, le 8 décembre 1994

To Professor Alfred Traverse
Palynological Laboratory
435 Deike Building
The Pennsylvania State University
University Park, PA 16802
U.S.A.

Dear Al,

This is a call for help. As you know, Dr M. Vanguestaine and I are preparing a special issue of Review of Palaeobotany and Palynology in honour of Professor Maurice Streel. As we initiated the project, the Elsevier publishing company gave us the title of "Guest Editors" so that we have to perform the editing work, and more particularly we have to find reviewers for the submitted papers. And here comes the problem: we received a manuscript from P. Steemans, Le Hérissé, A and Bozdogan, N. entitled: "Ordovician and Silurian Cryptospores/ Miospores from S.E. Turkey".

This subject is not in my field of interest; on the other hand I know you are interested in cryptospores and I would be very grateful if you could accept to be one of the reviewers of this paper. Of course, as the usual reviewing procedures of Review of Palaeobotany and Palynology will apply to the manuscripts submitted for the Streel' special volume this paper is sending to another referee too.

A three week delay maximum delay is left before sending back your comments to me (a checklist for that purpose is mailed to you, together with the manuscript; in addition, you are free, of course, to add any comments on the manuscript itself). Should this not being possible, I would ask you to suggest me who could eventually perform the work. I am conscient that I am demanding much in a short delay and I am sorry because the procedure is rather rough but I hope you will understand that too short a time is left to us; we are facing a dead line which is dangerously close at hand.

It must be stressed also that this paper and the other submitted ones are subject to a final evaluation by the Editor-in-Chief of the journal, at which point the publishing decision will be made.

Thank you very much in advance for your assistance in this matter.

Sincerely yours,

Muriel.

Dr. M. Fairon-Demaret,
Chef de travaux

Hunt Institute for Botanical Documentation

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2 February, 1990

Dr. M. Fairon-Demaret
Paléobot.-Paléopalynol.-Micropaléont.
Univ. de Liège
Place du XX Août
B-4000 Liège, (Belgique)

Dear Muriel:

It was so nice to hear from you in December, 1989, about the Colloquium in Liège in May of this year. At that time I was still hoping to be able to attend the Liège, Frankfurt and Münster sessions. However, it is now clear to me that my various obligations, personal, professional, and university, simply will not permit me to be gone at that time. For me it is a big disappointment. I hope the meeting goes very well. Betty and I join in wishing you all the best--we remember our visit to Liège with great fondness!

Yours very truly,

Alfred Traverse

AT/et

Hunt Institute for Botanical Documentation

UNIVERSITE DE LIEGE

PALEOBOTANIQUE - PALEOPALYNOLOGIE
ET MICROPALEONTOLOGIE

Dr. M. Fairon-Demaret, chef de travaux, maître de conférences (ext. 260)
Dr. M. Streel, professeur ordinaire, chef de service (ext. 498)
Dr. M. Vanguestaine, chargé de cours, chef de travaux (ext. 422)

B - 4000 LIEGE (BELGIQUE), le 13 décembre 1989
Place du XX Août, 7
Tél. : (041) 42 00 80
(Secrétariat) ext. : 323

Madame, Monsieur, cher Collègue,

Le colloque O.F.P. qui aura lieu à Liège les 25 et 26 mai 1990 précède de peu le Symposium de Francfort dédié au Professeur Kräusel. Liège n'est pas très éloigné de Francfort. Si vous êtes tenté par le détour, nous serions heureux de vous accueillir. Vous trouverez ci-joint, pour information, une copie de la première circulaire concernant le colloque O.F.P.

Je suis à votre disposition pour tout renseignement complémentaire. (La date limite pour une éventuelle demande d'inscription est fixée à la fin janvier 1990).

Avec mes salutations les meilleures.

M. Fairon-Demaret

M. Fairon-Demaret
Maître de Conférences

Hunt Institute for Botanical Documentation

ESTRELLA MOUNTAIN
COMMUNITY COLLEGE
C▲E▲N▲T▲E▲R
1992

"Education is Priceless"

October 11, 1991

Dr. Alfred Traverse
Department of Geosciences
Palynological Laboratory
435 Deike Building
University Park, PA 16802

Dear Al,

Just received your letter of 30 September and wanted to drop a note with my new address in advance of the requested reprint. I had intended to move to DeKalb College when the AJB article was gallied, but a much better offer to be a founding faculty and chair of the Science Department for a 50% salary increase swayed my young mind. I am also back with my family--I lived in Arizona 21 years before my odyssey to OK, OH, and GA. I will not get to work with Pamela Gore, much to my sorrow. She is expecting (setting seed?) with a due date sometime in the early spring.

I expect the reprints will go to DeKalb and be forwarded here, in which case I shall send one off to you at once. I appreciate your comments regarding the article, although I do not have a why, yet. If harmomegathy is invoked it should be possible to do some computer simulations as well as experiments on pollen of modern "triprojectates" like *Morina* and *Artedia*. I guess that will be my next step when I get the nomenclatural stuff out of my system in the next few weeks. The morphological study is in press to Botanical Review. I appreciate your efforts on that tome and agree strongly that Figure 1 needs a major revision. I would appreciate the opportunity to send a revised version of it to you for comments (when I get finally unpacked).

Again, my thanks for your letter and review. Hope we can talk soon, perhaps in San Diego or Aix (although we move into our new buildings in September 1992 and I may not be able to go).

Sincerely,

Michael J. Farabee

919 N. Dysart Road ▲ Avondale, Arizona 85323 ▲ (602) 932-6500 ▲ FAX: 932-6501
MARICOPA COMMUNITY COLLEGES

Hunt Institute for Botanical Documentation

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

28 October, 1991

Dr. Michael J. Farabee
Chair, Science Department
Estrella Mountain Community College
919 N. Dysart Road
Avondale, AZ 85323

Dear Mike:

Yours of 11 October in hand. I'm somewhat confused, but at least I figured out that you have landed on both feet!

News about Pam G. very interesting and delightful.

Re San Diego and Aix--I already missed San Diego, as you will know if you were there. Am too busy preparing for a trip to India in about two weeks. Aix comes too soon on the heels of a sabbatical in Germany (and in the middle of our semester to boot).

Congratulations on your new spot. All the best.

Yours very truly,

Alfred Traverse

AT/et

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Phone: (814)863-3419; Fax: 814-863-7823

30 September, 1991

Dr. Michael J. Farabee
Dept. of Mathematics & Science
Dekalb College North
Dunwoody, GA 30338

Dear Mike:

Just read your very interesting article on triprojectates in AJB. Would like a separate when you get around to it. Do you have ideas on the "why" of that morphological style?

Regards to my old friend, Pamela Gore, when you see her. It is interesting to know that she now has a palynologist as a colleague.

Yours very truly,

Alfred Traverse

AT/et

THE PENNSYLVANIA STATE UNIVERSITY
DEPARTMENT OF GEOSCIENCES

Hunt Institute for Botanical Documentation

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

30 March, 1987

Mr. Michael J. Farabee
Department of Botany & Microbiology
The University of Oklahoma
Norman, OK 73019

Dear Michael:

Thanks very much for the reprints and letter of 23 February. I was especially pleased by the Palaeontographica monograph, as I know how much they cost! I am delighted to know about the palynology course at UO!

I am sending under separate cover what I have in the way of reprints--most things are now long since "all", as they say in PA.

Regarding a post-doc here--that would be fun for me, and I'd love to have you, but I have absolutely no $ to finance the project.

Best to you and to my old friend, LRW, too.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

Hunt Institute for Botanical Documentation

Febuary 23, 1987

Dr. Alfred Traverse
Dept. of Geosciences
Pennsylvania State University
435 Deike Building
University Park, PA 16802

Dear Dr. Traverse,

Please find enclosed my recent reprints which I hope may be of interest to you. I should appreciate any available copies of your papers you may care to send.

I am finishing my dissertation on Aquilapolles either this May or July and am looking for possible post-doctoral opportunities. I am especially eager to expand beyond Cretaceous material into either Tertiary or Paleozoic work. Would you be interested in such a possibility.

I noticed with interest the announcement of your upcoming book on palynology. This semester I am serving as a teaching assistant for L.R. Wilson who is coming out of retirement to teach palynology here. Hopefully palynology will not die on the vine and a new generation of converts can use your book.

Thanks for your time and consideration of my requests. If I can be of any assistance please let me know.

Sincerely,

Michael J. Farabee

Hunt Institute for Botanical Documentation

13 October, 1983

Mr. Michael Farabee
University of Oklahoma
Dept. of Botany & Microbiology
770 Van Vleet Oval, Room 135
Norman, OK 73019

Dear Mike:

Well, your request of 22 August has finally worked up to the surface.

Eureka Sound Formation samples rich in triprojectates from Duck Choi's thesis are:

ESF - 13 B (Late Santonian)
ESF - 13 A (Late Santonian)
ESF - 4 (Eocene)

I am sending you small cuts of the glycerin-jelly residues of each.

The new genus is in ESF - 4. It will be interesting to learn if Wiggins' material is similar. Dr. Choi should publish his new genus soon.

Now re San Juan Basin. I have restudied Delfel's thesis and her material. Aquilapollenites is never more abundant than 1/10,000. My conclusion is that it is not worthwhile to split residues, or send you splits of the rock: there isn't enough stuff to be sure you'd get any specimens to study.

Best wishes.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et
encl: 3 residue splits
cc: D. K. Choi

Hunt Institute for Botanical Documentation

The University of Oklahoma

DEPARTMENT OF
BOTANY AND MICROBIOLOGY
770 Van Vleet Oval, Room 135
Norman, Oklahoma 73019

August 22, 1983

Dr. Alfred Traverse
The Pennsylvania State University
Deike Building
Department of Geosciences
University Park, PA 16802

Dear Dr. Traverse,

Thank you very much for your letter of August 2. I have just returned from the North Dakota AIBS meetings, and then from my Master's defense at Arizona State, so I have indeed fried, although being from Phoenix, not to a crisp!

I am most interested in the possibility of obtaining the samples you mentioned in your letter. I have done all of my own processing on the Lance Fm. material, and so am not reluctant to do more processing- although I am probably not the world's best processer.

I have heard from Virgil Wiggins that he has some interesting triprojectates from the Alaskan Oligocene. I am very very curious about this new genus of Dr. Choi's from the Eocene. Is he still at Penn State? I must correspond with him.

The material from the San Juan Basin might be worth a few looks, as there are several types of triprojectate that Mike Zavada reported in his ASU Master's thesis which did not show up in the Lance. Please send those (if available) along with the material of Dr. Choi.

One of the main reasons I began this project was the lack (to my interpretation) of satisfactory methods of separating the tri-projectates at the generic level, especially since the loss of the type of Aquilapollenites (see Stanley, 1973). Since these schemes cannot be applied to the type material of the first described genus of the group, their validity appears suspect (to me), especially in Cretaceous sediments.

Thanks very much for your reponse.

Sincerely yours,

Mike

Mike Farabee

Hunt Institute for Botanical Documentation

2 August, 1983

Mr. Michael J. Farabee
Department of Botany & Microbiology
University of Oklahoma
770 Van Vleet Oval, Room 135
Norman, OK 73019

Dear Mr. Farabee:

Thanks for yours of 20 July and the most interesting news re your project. I do hope you haven't fried to a crisp since you wrote. (It has even been hot here!)

Now, about the substance of your letter:

1. Ed Stanley was even before my time here! When I got here there was no policy of preserving residues, slides or anything from completed theses. Beginning with Nichols (my first Ph.D.--1970), there are such things. So , I can only suggest you write Stanley, and/or better go to South Dakota (not that far) and collect from the Stanley localities.

2. My M Sc student, Deborah Delfel had good but very rare Aquila in the San Juan Basin, NM, Maastrichtianp-I suspect your Lance stuff was better and about the same.

3. My just finished Ph.D. student, Duck Choi, has abundant Triprojectacites, including a new genus (which he'll publish) in some of his thesis material (Eureka Sound Fm., Canadian Arctic). Would you like some fragments of rock to process, perhaps from the three richest samples?* There is also processed stuff in glycerin jelly, but very small quantities--you'd only get a few drops. Still, you might get some dozens of specimens.

4. The richest stuff I've ever seen is from the Alberta Cretaceous--presumably you're in touch with Jansonius et al.?

Best wishes to Dr. Skvarla and other friends down there.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et
*Sample ESF-13A (Late Santonian: abundant Aquila)
" ESF-13B (" " " ")
" ESF-4 (Eocene: new genus of ~~Triprojectacites~~)

Hunt Institute for Botanical Documentation

The University of Oklahoma

DEPARTMENT OF
BOTANY AND MICROBIOLOGY
770 Van Vleet Oval, Room 135
Norman, Oklahoma 73019

July 20, 1983

Dr. Alfred Traverse
Department of Geosciences
Pennsylvania State University
435 Deike Building
University Park, PA 16802

Dear Dr. Traverse,

I am presently working on an interdiscilpinary Ph.D. in Geology and Botany here at the University of Oklahoma. My dissertation will be an examination of the morphology and natural relationships of the fossil pollen group Triprojectacites, using same grain studies under LM, SEM and TEM. This project is a follow up to a project on the lower Lance Formation (Maestrichtian) in Crook County, Wyoming I did with Jim Canright as part of my Master's degree. During that project I had an opportunity to examine several species of Aquilapollenites s.l. with the SEM. I became convinced that a study of the group, using LM, SEM and TEM, would be useful to clarifying some of the problems which have popped up in recent years.

The project will entail three phases: 1) LM, SEM and TEM examination of fossil triprojectate pollen in an attempt to characterize it in as great detail as possible; 2) examination (when needed) of the suggested modern "relatives" of the fossil forms; and 3) an integration of this study with previous studies on thr group in an attempt to clarify many of the systematic problems with the group, such the loss of the holotype of the senior genus of the group; generic classification of the group; and species concepts.

While same grain studies will provide a wealth of information, the success of this study will depend on the availability of specimens of the many forms of triprojectate pollen. I would greatly appreciate the loan of any processed or unprocessed samples containing triprojectate pollen, especially any material form Ed Stanley's dissertation work on the Hell Creek Fm. in South Dakota. Thank you very much for your time and cooperation in this matter.

Sincerely yours,

Michael J. Farabee

Michael J. Farabee
Dept. of Botany & Microbiology
The University of Oklahoma
770 Van Vleet Oval, Room 135
Norman, OK 73019

Hunt Institute for Botanical Documentation

October 8, 1971

Dr. W.R. Farrand
Dept. of Geology & Mineralogy
University of Michigan
Ann Arbor, Michigan 48104

Dear Dr. Farrand:

Thank you so much for the copy of your paper on Pleistocene events on the Mediterranean area. I have been looking at the pollen in the sediment cores taken by Woods Hole in the Black Sea. I'm slowly acquiring information enough to be able to talk about it. The cores only covered the last 25 thousand years or so. The results I'm getting seem to agree pretty well with what you have reported, except only that I am troubled a bit by the hypothesis of "greater effective moisture" during the glaciation than at present. I guess it depends on what you mean by effective moisture. For example, I find a very great burst of alder pollen at the top of the cores, and I feel pretty sure that this means that the higher level of the Black Sea at present has resulted in higher base levels in the streams of the drainage area and hence more acreage of suitable habitat for alder trees and shrubs. Also, despite conditions in the eastern Mediterranean, I would suppose that in the areas north of the Black Sea which provide much of my pollen, conditions may well have been contemporaneously both cool and dry. I guess one of the real problems I have is that the Black Sea receives sediment from an almost unbelieveably large area with very different climates at present and probably also in the past.

Thanks again for the reprint.

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT/vsi

Hunt Institute for Botanical Documentation

August 6, 1971

Dr. William R. Farrand
Department of Geology & Mineralogy
University of Michigan
Ann Arbor, Michigan 48104

Dear Dr. Farrand:

I recently spent most of a day with the Israeli palynologist, Dr. A. Horowitz, and he told me about your review of the climate, for the eastern Mediterranean area based partly on pollen data. I got the impression from Dr. Horowitz that it might be possible for you to let me have a xerox or some other form of copy of at least the gist of this work. If so, it would be of extreme interest in the pollen analysis work that I have been doing on the sediments of the Black Sea.

Hoping to hear from you and with best wishes, I am

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT/kai

Hunt Institute for Botanical Documentation

May 8, 1970

Dr. William W. Fairchild
Esso Production Research Company
P. O. Box 2189
Houston, Texas 77001

Dear Bill:

Did I ever remember to acknowledge receipt of "Characteristic palynomorphs of the Lower Tertiary in the Gulf Coast", and Bill Elsik's paper "Late Neogene palynomorph diagrams, northern Gulf of Mexico"? I certainly appreciate having these things, and they will be very useful to me in my work in the Tertiary. I have every intention of retaining a strong interest in early Tertiary work, having begun it nearly 25 years ago. However, I must confess that my other duties are not allowing me much time to pursue the interest! Best wishes to you, and would you please also give my greetings to Bill Elsik.

Yours very truly,

Alfred Traverse
Associate Professor of
Geology and Biology

AT/mrw

Hunt Institute for Botanical Documentation

February 28, 1968

Mr. P.W. Fairchild
Shell Development Company
P.O. Box 481
Houston, Texas 77001

Dear Mr. Fairchild:

This is further to yours to me of 9 February, re reprints of my paper "Pollen and Associated Microfossils in the Marine Surface Samples ....etc.", being the published version of EPR Publications Number 443 (acknowledged on p. 253).

I received 300 copies. 100 were sent to Dr. Ginsburg--I have just contacted him and had him count his copies. He and I each have the residue from 100. My secretary is certain that she shipped Shell the same quantity as were sent Dr. Ginsburg, namely 100. Since neither Ginsburg or I have the missing 50, it seems likely.

I wonder if a further check could be made to discover whether a mistake in your count was made. If so, I would appreciate word that the package arrived broken open or whatever. On the other hand, should you discover that your count was in error, I would appreciate a check for another $7.56.

Yours very truly,

Alfred Traverse
Associate Professor of Geology

AT:kwc

Fidelity Onion Skin
100% COTTON

Hunt Institute for Botanical Documentation

J. M. FAMBROUGH & ASSOCIATES
REALTORS
MOHAWK 8-2311
2223 W. HOLCOMBE
HOUSTON, TEXAS 77025

May 5, 1966

Mr. Alfred Traverse
Assistant Professor of Geology
The University of Texas
Austin , Texas 78712

Dear Mr. Traverse :

It was certainly nice of you to take the time to write such a full report on Ann and her Geology. My wife and I both appreciate your letter. If my child is not doing her work properly then I apprecaite hearing from her teacher. We have been lucky in this respect in the past tho. Maybe this will have a real bearing on all of her for the future. Naturally I am sorry you had to take the time to write such a full report.

Your analysis is correct I am sure and I hope this warning will cause Ann to really buckle down and work extra hard to try and pass the course.

If she is going to be able to pass then she will have to go back and study the chapters she has passed over. If you do not apply yourself all the way thru you can't pass.

In my opinion she has plenty of time to spend extra hours now studying Geology from the beginning of the book up to the present time. Then maybe she might make a real good grade on the final and possibly still pass the course.

She should get some of her friends to help her with her laboratory and I feel sure she has not applied hereself on the laboratory work.

Again I wish to thank you for notifying us of her work. I am writing her today with my suggestions. I had Geology when I was in Georgia Tech.

Ann is a smart and understanding young lady and I am sure will not get her feelings hurt by you writing us. We want her Professors to notify us if she fails to do her work properly. Thanks again for your letter.

cc Miss Ann Fambrough
309 Kinsolving Dormitory
Austin, Texas

Sincerely,
J.M. Fambrough
5021 Longmont Dr.
Houston, Texas 77027

Hunt Institute for Botanical Documentation

האוניברסיטה העברית בירושלים
THE HEBREW UNIVERSITY OF JERUSALEM

FACULTY OF HUMANITIES
הפקולטה למדעי הרוח

c/o O. Bar-Yosef
Lab. for Prehistory
Mt. Scopus Campus
Jerusalem

18 Dec. 1971

Dr. Alfred Traverse
Catalog of Fossil Spores and Pollen
Deike Bldg
Pannsylvania State University
University Park, Pa 16802

Dear Prof. Traverse,

Thanks for your interesting letter of October 8, 1971, which was forwarded to me here a few weeks ago. Your Black Sea work sounds intriguing, and I hope to hear more about before long. Certainly you are dealing with a complicated situation involving enormous drainage changes and sea level change, as well as climatic effects.

I would certainly be surprised if you had not found dry conditions in the Black Sea area during the last 25,000 years. All the climatic (esp. pollen) data that I see suggests drier conditions along northern Mediterranean areas during the Last Glaciation. It's only in the south and southeast that the climatic seems to have been really "pluvial," as I have outlined in my paper. The tension zone must have lain just south of the Turkish peninsula.

Good luck with your work. I'm looking forward to seeing your results.

Best wishes,

William R Farrand

William R. Farrand
(University of Michigan)

P.S. Use above address until March 1st, 1972
Then:
chez Ch. Brickmann
3 Rue des Arquebusiers
67-Strasbourg, France

Hunt Institute for Botanical Documentation

xxxxx
865-2342

14 October, 1977

Ms. Sherry Farrall
Counsellors' Office
Senior High School
653 Westerly Parkway
State College, PA 16801

Dear Sherry and all of the Counsellors:

That was a wonderful letter you all wrote me on October 6. I felt so good about it I almost changed my mind! It will be hard for me to avoid thinking about Harvard admissions after 26 years of being the Harvard representative in various places from North Dakota to State College by way of Colorado and Texas. Just last Friday night I saw some marvelous halfback from Bald Eagle Area and fell to wondering what his SAT scores might be!

All the best to all of you, and I hope that I meet you again in some connection or other. Thanks again for a dozen great years.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

Hunt Institute for Botanical Documentation

From: "Matt Farris" <ggd11@keele.ac.uk>
Return-path: <ggd11@keele.ac.uk>
To: <traverse@ems.psu.edu>
Date: Thu, 8 Jan 1998 15:11:43 -0000
Subject: Re: Palynomorph preservation in the Oneonta Formation, 1990.
Message-ID: <E0xqJdl-0001LI-00@owat.kis.keele.ac.uk>
X-Status: Read
X-Mailer: Microsoft Internet Mail 4.70.1155

Dear Alfred

I am currently a final year PhD student at the University of Keele, Great Britain, and am studying the preservation of palynomorphs in continental red-bed sequences from the UK North Sea. I was therefore interested to find
a paper by Schuyler & yourself from 1990 which looked at the factors controlling palynomorph concentration in fluvial deposits of the Oneonta Formation.

In this paper, you mentioned that results may have been influenced by clay
mineralogy and that the study could not demonstrate whether degradation of
overbank assemblages took place penecontemporaneous with deposition or post
depositionally.

These are key issues in my study and I would be most grateful if you could
inform me of any further papers, perhaps by Schuyler or yourself, that might have been published since 1990.

Many thanks

Matt Farris

Basin Dynamics Research Group
Earth Sciences
Keele University
Staffordshire
ST5 5BG

Phone: 01782 583620
Fax: 01782 715261

Hunt Institute for Botanical Documentation

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PALYNOLOGICAL LABORATORIES
435 Deike Building
University Park, PA 16802
phone: 814-863-3419; fax: 814-865-3191

20 March, 1991

Hugues Faure, Convenor S 1-1
LGQ-CNRS Luminy, Case 907
F-13288 Marseille Cedex 9
France

Dear Hugues:

It's taken too long to respond to your interesting note of about two months ago--see enclosure.

I made a xerox of your article with Adams and others re the carbon budget of LGM and present, and it seems to me that your conclusions re the vegetation cover, present vs. LGM, are very reasonable. Africa, for example, was far more of a desert continent then than now.

In your "footnote" you ask about mid-Cretaceous biomass. With forests to or near both poles, and evidence of widespread coal formation, it is easy to believe that the vegetation was much more of a carbon sink than the present (in which, for example, there seems to be very little potential coal accumulating). However, because of the vast carbonate reservoir of the well-named Cretaceous, and the time scale we tend to look at, it is difficult to see how the Cretaceous situation could be meaningfully compared with the LGM-vs-present-interglacial story.

I'm, really glad you called my attention to the paper, as it has been fun reading!

All the best.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et
encl

Hunt Institute for Botanical Documentation

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

12 February, 1991

Dr. Hugues Faure
LGQ-CNRS Luminy, Case 907
F-13288 Marseille Cedex, France

Dear Dr. Faure:

This is a quick line to say that for a dozen good reasons (or so) I can't possibly (unfortunately) go to Beijing for XIII INQUA. It was good of you to think of me!

I also will comment shortly on the interesting query you raise on your card enclosed with the INQUA stuff. But I wanted to respond to the invitation to the meeting first.

All the best.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

Hunt Institute for Botanical Documentation

Jan. 91

"To me, ... the term alive also includes the concept of a system switched on and working, something very different from the same system switched off."

James E. LOVELOCK

(in Nature, vol. 348, 20/27 Dec 1990)

Please (1) the same volume / (2) also p. 711 and tell me if its possible. What was the Mid-Cretaceous biomass like?

Best souvenirs

Hugues Faure

LABORATOIRE DE GEOLOGIE DU QUATERNAIRE
CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE
Case 907 - Luminy - 13288 Marseille Cedex 9 - FRANCE
FAX : 91 26 66 38
TEL: 91 26 96 30

TELEX: CNRSLUM 430 838 F EARN: AZERTY AT FRMOP11

Hunt Institute for Botanical Documentation

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Laboratoire de Géologie du Quaternaire

C.N.R.S. LUMINY - CASE 907
13288 MARSEILLE CEDEX 9 - FRANCE
Tél. 91.26.96.30 - Adresse AERN : AZERTY AT FRMOP11
Télex CNRSLUM 430 838 F

Aug. 1990

to A. TRAVERSE

Hello! Remember Interlaken and Bern?
Hope you shall not switch-off this time: its not in French, its mostly biotic for half of it, and nearly Republic Plantae!
I shall be glad to receive papers from you

Hugues Faure

Hunt Institute for Botanical Documentation

THE PENNSYLVANIA STATE UNIVERSITY
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435 Deike Building
University Park, PA 16802
(814)863-3419

13 June, 1989

Lawrence B. Fearn
Mobil Exploration & Producing Services, Inc.
P.O. Box 650232
Dallas, TX 75265

Dear Larry:

Betty gave me a note re your phone call about Judi Wakhungu.

She did a super job with her first semester here (all As), and is still very keen about the Svalbard project. One of us probably should have written you since March, but we have been very busy (I was out of the country two months) and it just slipped through the cracks.

Judi is going to write you soon. Please do what you can for her. You won't be sorry!

Andy Schuyler and I have had almost zero luck with Palynodata despite the considerable $ outlay and dozens of hours of time invested. At the moment Andy is still dealing with all sorts of electronic equipment and experts trying to help us get going. It is VERY frustrating.

All the best.

Yours very truly,

Alfred Traverse

AT/et

Hunt Institute for Botanical Documentation

TO AT

DATE 7-11-87 TIME 10:15

WHILE YOU WERE OUT

M. Larry Fearn

Of

Phone 214-951-3172

TELEPHONED	☐	PLEASE RETURN CALL	☐
CALLED TO SEE YOU	☐	WILL CALL AGAIN	☐
RETURNED YOUR CALL	☐	RUSH	☐

MESSAGE Hasn't heard from Judi W. for 4 months - project still on? I said you would contact him right →

Signed

The Standard Register Company

Hunt Institute for Botanical Documentation

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

11 April, 1989

Lawrence B. Fearn
Mobil Exploration and Producing Services, Inc.
P.O. Box 650232
Dallas, TX 75265

Dear Larry:

Thought you might enjoy having a copy of a student's "unknown-report" on a sample you provided (Zimbabwe coal, now = T-871 = PRC 3119). In my opinion this "B" student did an excellent job. I always find the unknown reports of previously untrained students to be a terrifric demo of what a great technique palynology is.

All the best.

Yours very truly,

Alfred Traverse

AT/et
encl: copy of report

Hunt Institute for Botanical Documentation

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

3 February, 1989

Lawrence B. Fearn
Mobil Exploration & Producing Services, Inc.
P.O. Box 650232
Dallas, TX 75265

Dear Larry:

Good to talk with you the other day and to hear from Betty that you had luck with the Palynodata people, to get us an extension of our "subscription."

As Betty told you, the student who will work on the Svalbard project is Judi W. Wakhungu, from Kenya. She has a B.Sc. from St. Lawrence and an M.Sc. from Acadia (Nova Scotia). She is here as a doctoral candidate and comes with marvellous credentials and is obviously a very talented woman. I have encouraged her to correspond with you.

We look forward to getting samples and supporting data from you, as many and as much as possible. I guess there should be some sort of a formal letter from Mobil to me, assuring us that this is o.k., and that Mobil does "officially" approve the project.

All the best.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et
cc: J.W. Wakhungu

Hunt Institute for Botanical Documentation

TO AT

DATE 2-11-89 TIME 3 p.m.

WHILE YOU WERE OUT

M. Larry Fearn

Of Mobil

Phone

TELEPHONED	☒	PLEASE RETURN CALL	☐
CALLED TO SEE YOU	☐	WILL CALL AGAIN	☐
RETURNED YOUR CALL	☐	RUSH	☐

MESSAGE re Palydata
Tyr. won't start
till you start -
2) re Mobil samples
for Judi - sounds good -
he will communicate w. her
to describe what available

Signed BT

The Standard Register Company

Hunt Institute for Botanical Documentation

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

10 October, 1988

Lawrence B. Fearn
Mobil Exploration and Producing Services, Inc.
P.O. Box 650232
Dallas, TX 75265

Dear Larry:

Your package of samples arrived safely about the same time we did, from Australia. I am just now getting such matters cared for!. Your letter wasn't dated, but the postmark was 7 September--my birthday, and this is a nice present. The students in palynology get their unknowns this week, and at least one of them will get one of your samples. Many, many thanks for a fine addition to our collections.

Also, I'd like to acknowledge that you and Mobil are willing to have one of my students do a master's (perhaps a Ph.D.?) thesis on the Triassic of Edgeoya Island, Svalbard Archipelago. That's exciting, and I hope you all don't have a change of heart! Presumably you've discussed the idea with management. Perhaps the student's and my work could even be useful to you all? We have a slight reputation in the Triassic!

All the best, and thanks again.

Yours very truly,

Alfred Traverse

AT/et

Hunt Institute for Botanical Documentation

7-IX-85

Dr. Alfred Traverse
Pennsylvania State University
Department of Geosciences
University Park, Pa. 16802

Dear Dr. Traverse:

Enclosed are three samples I hope you can use in your palynology course. The first two samples, labelled as 1-BL1-12-87 and 1-BL2-18-87 were collected from the massive Triassic exposures on Edgeoya Island in the Svalbard Archipelago. Sample 1-BL1-12-87 is a shale (open marine) whereas sample 1-BL2-18-87 is somewhat siltier and is derived from a deltaic complex. These two samples represent some of the best that was collected last year. As far as detailed thesis work goes, we have several successions of samples covering most of the Middle and Upper Triassic, and when the time comes I can provide you with these and accompanying geological information. Also enclosed for reference to these two samples are a Svalbard stratigraphic column and a location map. Additional Triassic localities have been sampled last month. I will be evaluating these in November-December.

The third sample, a Late Permian age coal contains a beautifully preserved palynoflora and is one of the best samples collected last year in Zimbabwe by Mobil personnel. A lot of fun to look at.

I hope the meeting in Brisbane went well and look forward to seeing at AASP in November.

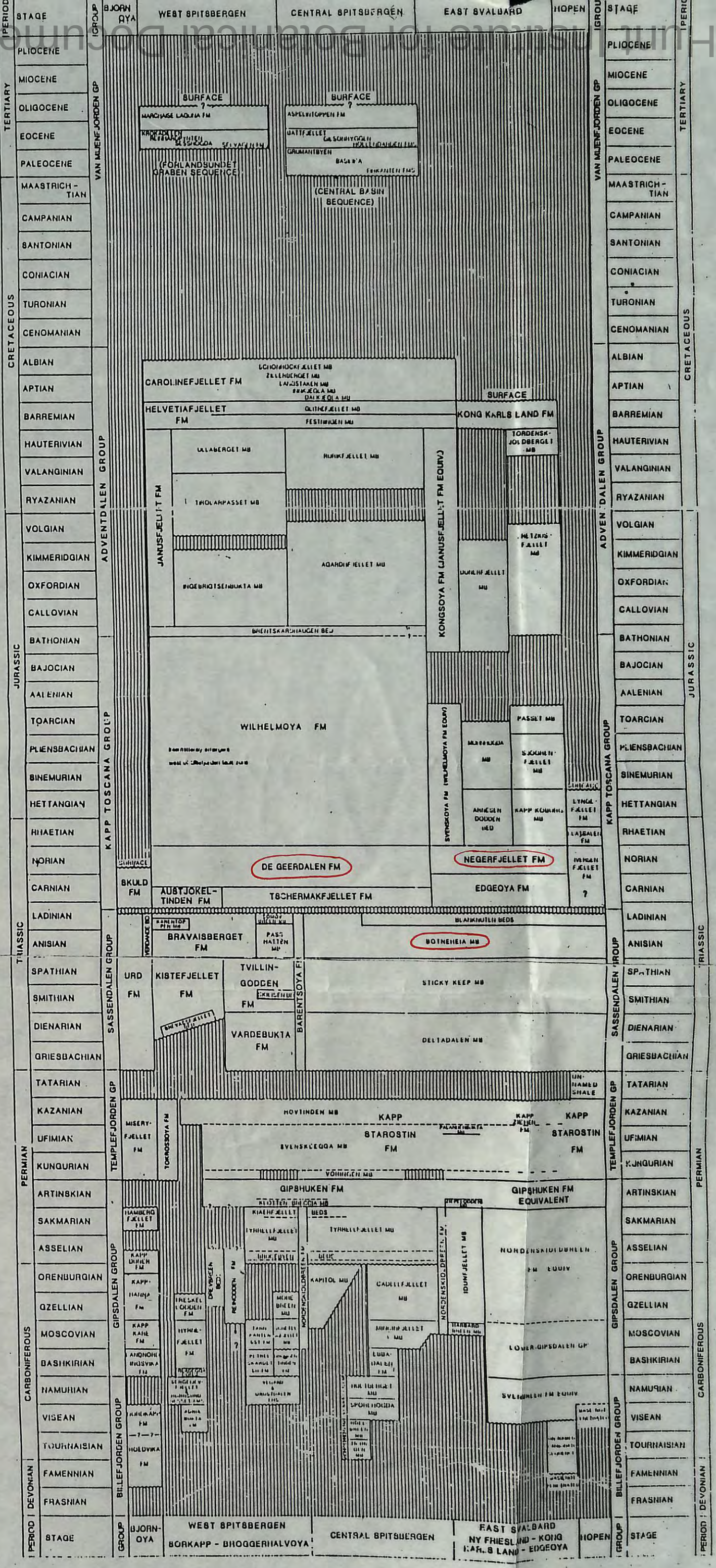
Very truly yours,

Larry

Lawrence B. Fearn

Hunt Institute for Botanical Documentation

Hunt Museums for Personal Documentation



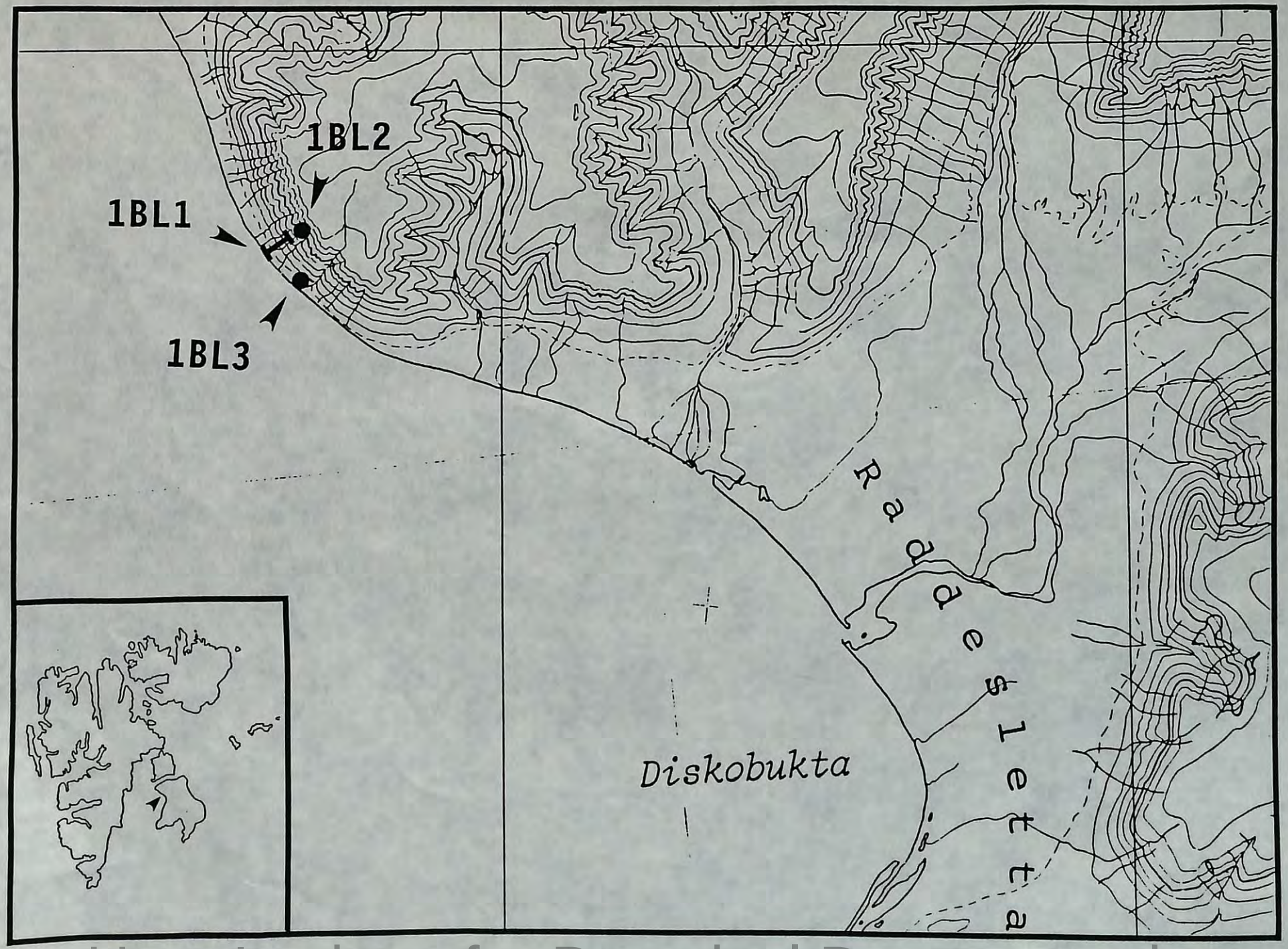


FIGURE 13: Blanknuten Locality

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435 Deike Building
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(814)863-3419 or (814)865-6393

6 June, 1988

Dr. Lawrence B. Fearn
Mobil Exploration & Production
P.O. Box 650232
Dallas, TX 75265

Dear Larry:

Just so you'll have it in writing. I need an invoice for the Palynodata computer service, 1 July 1988 to 30 June, 1989.

The possibility of one of the grad students working on the Spitsbergen Triassic in cooperation with Mobil interests me greatly.

All the best.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

Hunt Institute for Botanical Documentation

11 October, 1985

Dr. Michael S. Fedosh
U.S. Army Corps of Engineers
26 Federal Plaza
New York, NY 10278

Dear Dr. Fedosh:

Just saw your interesting abstract in GSA Abstracts volume. Unfortunately I can't make it to Orlando--conflicts with duties here.

We have had a project (mostly NSF-funded) for about 20 years on palynostratigraphy of the various'Newark' Basins (students:Cornet, Robbins, Dunay, etc.). For me and my present graduate students it would be very helpful to be able to sub-sample and palynologically study the cores you describe from the Newark Basin itself.

Could we do this? As you probably know, we need only about 50 g. of shale from the sampled horizons--cores we have sampled look ±untouched!

Best wishes.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

Hunt Institute for Botanical Documentation

C. Filip

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

February 6, 1955

Dear Al:

Just a note to thank you for the packet of reprints and they were very much appreciated. I had intended to drop you a line to ask you for the two articles from Consulting Engineer; Ralph Gray also wanted them so if you have a good supply I am sure Ralph would appreciate reprints. Ralph and Jim Schopf will be in Chicago for the AIME meeting in a couple of weeks. Here there is no paleobotany and no prospect of doing any; Ralph and I are laboring with the Dakota lignite manuscript now, and Marcia Winslow is trying to meet an April deadline for her spore manuscript. The latest fantastic episode in my life (at least I consider it fantastic) occurred a couple of weeks ago when Charley Read called and informed me that I was being transferred to California where I would go to a naval diving school and spend the next six months collecting bottom sediments along the California coast; if I did well I would be rewarded with other such nice assignments. I flatly refused to go and all hell broke loose but I stuck to my guns and am still here. Tomorrow of course is another matter. Little of interest here beyond my almost diving career. Regarding our conversation of last

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INTOXICATED TYPEWRITOR

November, I still plan on leaving here and of course I would appreciate any tip if you should hear of a position that sounds interesting. Thanks again for the reprints and lots of luck.

Sincerely,

Charlie

Charles Felix

Hunt Institute for Botanical Documentation

September 27, 1961

Dr. R. L. Feller
Mellon Institute
4400 Fifth Avenue
Pittsburgh 13, Pennsylvania

Dear Dr. Feller:

Your kindness in writing so fully about my request for information was certainly much appreciated. I especially appreciate your willingness to keep my request in mind, in case something hot (or rather clear, with an index of refraction of 1.45 or so) should come up.

I have written the Mobay Chemical Company, per your suggestion. I just called the local representative of Dow, who seemed very knowledgeable about the various resins, etc. He was not very encouraging about D. E. R.-332 for my purpose, allowing that for my sort of application the handling of the curing agents would be troublesome. Besides, he doubted that it would adhere well to glass. The contact was not entirely lost, though, since he suggested that I try one of their "acrylic latexes," and he is sending out several samples. He says that they set up without a curing agent and make a clear, pliable film. I suppose they will prove to be insufficiently inert, and I shall have to keep on with good old gelatin; but I keep hoping.

Thanks again.

Very truly yours,

Alfred Traverse

AT:pjh

bc: Dr. Traverse ✓
Dr. Higgs

Shell Development Company
Exploration and Production Research Division

Hunt Institute for Botanical Documentation

MELLON INSTITUTE
4400 FIFTH AVENUE
PITTSBURGH 13, PA.

September 12, 1961

Mr. Alfred Traverse
Shell Development Company
Exploration and Production Research Division
P. O. Box 481
Houstan 1, Texas

Dear Mr. Traverse:

Thank you for your letter of August 14. I remember your visit here very well. I am sorry that the thermoplastics that we suggested were not immediately successful.

There are some new methacrylate polymers being developed at Mellon Institute by one of my colleagues which I think should prove very interesting to you. I called him today and he suggested that we would have to wait a month or two until samples are available. Your letter will be put aside and I'll look into this matter later, as he suggests.

Have you looked at any of the poly(urethane) polymers available from the Mobay Chemical Company. Their local address is:

Parkway West and Route 22-30
Pittsburgh 5, Pennsylvania

They make such a variety of these materials that some of them may be found to fill the bill. The Pittsburgh Plate Glass Company makes a line of polyester resins known as "Selectron" resins. This type of material is used for embedding biological specimens. The Dow Chemical Company also announced about a year ago the availability of a water-white epoxy resin D.E.R.-332. That might have some interest. I might point out that the last time I asked for a sample, I received 11 pounds of it.

There may be some useful materials in the new resins being developed here and I will certainly follow up on their availability in a month or two. I, myself, am interested in them for various purposes.

Very truly yours,

R. L. Feller

RLF:cb K

R. L. Feller
Fellow

Hunt Institute for Botanical Documentation

August 14, 1961

Dr. Robert Feller
Mellon Institute
Pittsburgh, Pennsylvania

Dear Dr. Feller:

It's expecting rather a lot for you to remember it, but I spent an hour or two with you ten years ago this summer (when I was with the Bureau of Mines) discussing my interest in water white varnishes, plastics, and so forth, for use as microscope slide mounting media. To be useful for this purpose, the substance must adhere to glass, be chemically rather inert, and not contract much on setting -- a polymerizing thing would seem to be much better from this point of view than one that sets by evaporation of solvent, but the heat of polymerization must be quite low. The index of refraction must be about 1.45.

When I visited with you in 1951 you gave me samples of a number of things to try, including various vinyl materials such as AYAF and certain methacrylates. I have also discussed the problem with a number of representatives of plastic manufacturers and have tried out some things they have suggested. Unfortunately, all of the substances have proven deficient for one reason or another. For example, the vinyls I got from you were pretty good optically but they contract too much on drying out the toluene I used as a solvent. The lucite type of thing looks very promising when a slide is freshly made (I used ultraviolet light to polymerize the syrup -- it has a good long pot life, as you know). But, the mountant reacts strongly with the items I am mounting, which are mostly spores.

Well, the purpose of reopening this question with you after ten years is to see if you have any new insights or discoveries along this line that you would be willing to share with me. I am still using good old glycerin jelly in my work, but its lack of permanence is a matter of con tinuing concern for me.

With best wishes for your very interesting work, I am

Very truly yours,

AT

Alfred Traverse

AT:pjh

Shell Development Company
Exploration and Production Research Division

bc: Dr. D. V. Higgs
Dr. A. Traverse

Hunt Institute for Botanical Documentation

SYRACUSE UNIVERSITY
SYRACUSE, NEW YORK 13210

DEPARTMENT OF GEOLOGY

September 7, 1967

Dear Al,

Excuse the long delay. As you can see by the letterhead I have returned to these United States. The past year I have been on a post-Doc at McMaster University, celebrating the Canadian Centennial. I'm currently Ass't Prof. here at Syracuse, spreading the Folkian Word, as it were. Teaching a graduate course in Sedimentary Petrology, and using up pounds of colored chalk.

I hope all is well with you at State Penn. Thanks for the reprint.

Murray

Murray Felsher

P.S. There was no Norman Radforth in sight at McMaster when I was there.

Hunt Institute for Botanical Documentation

May 23, 1967

Dr. Murray Felsher
Department of Geology
McMaster University
Hamilton, Ontario
Canada

Dear Murray:

I recognized the name on that card at once. Fled the country, eh, you scoundrel. I'd like to hear more about it when you feel like writing.

I enclose the item you requested.

Regards to Norman Radforth, if you ever see him. I always liked him.

Best wishes.

Yours very truly,

Alfred Traverse
Associate Professor of Geology

AT:kaw

Enclosure

Hunt Institute for Botanical Documentation

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

22 October, 1987

Prof. David Fensom
Mount Allison University
Biology Department
Flemington Building
Sackville, New Brunswick E0A 3C0

Dear David:

Astonishing! The package arrived Thurs., 15 Oct., 2:00 p.m. A week before that the clay was still in the intertidal zone at Scot's Bay, and the dulse was still on the shelf in the little news stand in Amherst, NS (I found a packet to munch on enroute to Halifax at a gas station!).

Good to have seen you and to have met Kathleen, whose sense of humor I found very engaging. It was fun to visit the Anglican church in Sackville, see Hart Hall (House?), the portrait of RRG, your office and other goodies at Mt. A. I found the Marshlands Inn great. I have discussed the whole visit over the phone with Mother. (Incidentally, she was Pearl Akerley at Mt. A.)

Best wishes. I would like to find some future excuse to return to Sackville.

Yours very truly,

Alfred Traverse

AT/et

Hunt Institute for Botanical Documentation

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

2 October, 1987

Prof. D. S. Fensom
Biology Department Mt. Allison University
Sackville, New Brunswick, Canada
EOA 3CO

Dear David:

Many thanks for the card and letter. Most people don't respond to things such as the photo, so you get an A+. Good to hear about your Isles trip. We also wondered how Patricia fared on hers.

Interesting to hear about your classes, a predecessor of one of which my mother would have taken about 1912 or 1913. She was in a non-degree Home Economics program which led her later to dietetics and other things. She is very proud of being a Mt. A. girl. She gave me her nice gold class of 1915 ring years ago. Sadly, it was lost in a burglary we suffered. I was out to Michigan to see her in early September and read her most recent alumni magazines. Which reminds me, who or what is "S.M.U." whom the football team plays? Mother's maiden name was Pearle Akerley. She is now almost 95 and must be close to the oldest living alumna?

I am sorry you were offended by my statement about novel-reading. I regard myself as very well read, but as a young person I preferred encyclopedias and nowadays I read mostly (many) magazines. I took high school courses that required novel-reading, but I always found a summary that did the job. Years later in seminary I <u>did</u> read a few novels because they were required and I couldn't find a reliable 'pony'. <u>However</u> since I took up German as a hobby some years ago, I have read <u>many</u> German novels. Am currently finishing up Adalbert Stifter's <u>Nachsommer</u>.

All the best.

Yours very truly,

Alfred Traverse

AT/et

Hunt Institute for Botanical Documentation

David Fensom

MOUNT ALLISON UNIVERSITY
SACKVILLE, NEW BRUNSWICK
CANADA
E0A 3C0

Home: 506-536-2796

BIOLOGY DEPARTMENT
FLEMINGTON BUILDING
(506) 364-2503

23 September, 1987.

Dear Prof. Travers and Betty,

Your excellent photograph of the Field Trip (XIV Internal. Botan. Congress; Mainland Greece) arrived yesterday. I have now sent it along to Hugh, but I thank you very much — for both of the Fensoms, the one on the surface and the one trying to hide. What is about Art? "Art is both surface and substance, he who looks beneath the surface does so at his own peril." (O.W.) So you see I am delighted that Hugh made such a good front so that everyone seems to be of his age! A very good picture of you, by the way.

Our trip to the islands was most successful. Both Mikenos and Santorini were delightfully cool and picturesque. Hugh had everything well organized — and paid for — much to my delight and amusement. You will realize that some taxis would not take us up to our Hotel until the driver had proof of our reservation. This was presumeably due to the heat wave and deaths in Athens, and to people trying to escape. So Hugh's proof of booking was invaluable. Oh yes, there were adventures: lost baggage, cancelled ferries and delayed air flights. But these just make the trip more interesting.

P.T.O.

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Lectures have resumed here. I do three courses with enrollments between 12 and 20. This is just right for me. Mount Allison continues to be a lovely place to work. Hugh is back in Toronto at his Wholesale Florist's business, very happy and full of his trip.

Would you please let me know your Mother's maiden name (or whatever she used while at M-A.). The Alumni Office here is interested, of course. Please convey my respects to her. It would be great fun to meet her sometime. But tell her that I am appalled (?) that her son Alfred says he has never read a novel in his life! Tut-tut! Must have been bad training by his mother.

Again, our thanks and very best regards to you both,

Yours sincerely

David & Hugh

Jonsom

Hunt Institute for Botanical Documentation

7 June, 1982

Mr. R. A. Fensome
Department of Geology
University of Toronto
Toronto, Ontario, Canada M5S 1A1

Dear Mr. Fensome:

Thanks for your long letter of 18 May with the marvellous penmanship. I guess the "Mr." above is appropriate from your explanations. I shall look forward to your completed thesis with interest. You don't say what the geographic area is.

Re "Kara-Murza in koll." per Bolkhovitina 1952. This is an old problem. There is no Kara-Murza entry in Bolkhovitina's bibliography, and I have therefore assumed the Kara-Murza reference was to an internal Soviet report of some sort, not validly published. The reason CFSP did not pick up the species (although not Editor then or now, I was then on the Editorial Board) was presumably that an (incorrect?) editorial decision was made that the Kara-Murza species were not new species in Bolkhovitina 1952--CFSP covers only new species. If the "internal report theory" is correct, the species are validated in Bolkhovitina 1956 and are new there, if she was the first one to pick them up. "Kara-Murza in Bolkhovitina 1956" would then be the correct reference. However, there are some other possibilities. Look at Neustadt's "Palynology in the USSR (1952-1957)", Acad. Sci. USSR, Inst. Geograph,,, Moscow, 1960. A smear of references to Kara-Murza publications in the appropriate years is given (I have none of these). I read between the lines that K.-M. is also included as "and others" with various papers by Zauer and Voitzel, also in appropriate years (1954, for example). Perhaps UT library has these things? They need to be checked to be sure that "in koll." doesn't refer to one of the "and others" papers. The following monograph looks especially important to check: Neustadt no. 628 (1954): Kara-Myrza, E.N. Spores and pollen of Mesozoic deposits of northern Eniseisk-Lensk province (Jurassic and Cretaceous). 198 pp. Works. ("Trudy") Scientific Inst. Geol. Arct....Marine and Riverine Navy of the USSR, Vol. 54 [of all places!]

> "...Spore-pollen complexes of lower, middle and upper Jurassic, lower and upper Cretaceous...morphological description and illustrations of 152 species of spores and pollen."

God knows whether you can find this. It's only one of several that should be checked out. As long as these items elude us (or perhaps he's checked them?), Jansonius' approach is the best we can do.

Hunt Institute for Botanical Documentation

As far as Stereisporites antiquasporites is concerned, you have to make a personal taxonomic decision. If you feel that the species antiquasporites should be transferred to another genus, that is your decision. Go ahead and do it. Dr. Wilson's opinion would be interesting but is ultimately irrelevant. You are free to decide. However, "Distancoraesporites" is a genus I don't have in my list, nor is it in Jansonius' cards. Presumably you mean Distancorisporis Srivastava?

I am sure Dr. Norris has already advised you not to make any of these transfers, etc., in your thesis, pre-publication, unless specifically stating in a preface that you do not intend valid publication in the thesis.

The "latest" Code is the one adopted at Sydney, Australia, in August, 1981. However, it is still not in print. Therefore the effective Code at the moment is the Leningrad Code. I am sure you can easily get a copy by writing: Bohn, Scheltema & Holkema, P.O. Box 23, 7400 GA, Deventer, Netherlands (US $33.50). If that doesn't work, write to Dr. F. A. Stafleu, Room 19.02, Tweede Transitorium, Uithof, Utrecht, Netherlands. Indeed, if you were to write Dr. Stafleu immediately with the tale of woe your letter conveyed, he'd probably expedite the matter himself. The Leningrad Code was his "baby".

All the best.

Yours very truly,

Alfred Traverse
Professor of Palynology,

AT/et

Hunt Institute for Botanical Documentation

University of Toronto

DEPARTMENT OF GEOLOGY · TORONTO · CANADA · M5S 1A1

MAY 18th, 1982

Dear Dr Traverse,

I am writing to quiz you on two palynological problems that I am currently grappling with. Because of your association on the one hand with the Catalog and on the other with Tertiary palynology, you might be able to help me out.

I am currently a 'P.D.F.' at the University of Toronto with Geoff Norris, but am still polishing off my thesis 'at' the University of Saskatchewan on Jurassic - Cretaceous boundary microfloras. My thesis work involves a considerable amount of taxonomic and nomenclatural house-cleaning, and both problems are related to this latter pursuit

Firstly: in her 1956 paper, Bolkhovitina gave the authorship of some species in her systematic section as 'Kara-Murza in kol' (e.g. p.60 for Mohria tersa). When your predecessors were working on volume 10 of the Catalog (which includes Bolkhovitina, 1956), they did not include the 'Kara-Murza in kol' species.

Jan Jansonius considers that these taxa should be rendered under the

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authorship 'Kara-Murza in Bolkhovitina, 1956'. However, I have occasionally seen the authorship given as 'Kara-Murza, 1954' in some papers (e.g. Döthöfer, 1977), although these papers conveniently omit any reference to Kara-Murza, 1954 in their bibliographies. Nor does Kremp list Kara-Murza, 1954 in any of his 'Implimented References'. Obviously it is important to know the date of effective publication of the 'Kara-Murza in Kol' names, and also whether the specimens illustrated by Bolkhovitina are the holotypes.

The second problem concerns the species Stereisporites antiquasporites. This name has been applied widely for simple Mesozoic Stereisporites with or (rarely) without a more or less circular distal spot. The holotype, however, illustrated by Wilson and Webster (1946, p. 272, fig. 2), seems to me to be a typical Tertiary Distancoraesporites type (although my knowledge of Tertiary miospores is extremely poor). Thus, it seems to me that the name S. antiquasporites has been misapplied. I've written to Dr Wilson about this problem, but have had no reply after several months.

Do you have any information or opinions bearing on the above problems? If so, I would appreciate the intelligence. Finally, do you know of an expedient method of acquiring a copy of the latest code (I.C.B.N.).

Hunt Institute for Botanical Documentation

There appears to be not a single copy in Toronto — in spite of several standing orders, and Interlibrary loans and requests to the publishers have thus far yielded nothing. It rather defeats the point of having a code if distribution of it is so bad!

Anyway, I look forward to hearing from you. Thanks for your trouble,

Best wishes

Rob Fensome.

Hunt Institute for Botanical Documentation

R.A. FENSOME
108 G.P.B.
(Department of Geology,
University of Saskatchewan,
Saskatoon, Saskatchewan

Dear Al

~~I acknowledge, with thanks, the receipt of your publication entitled:~~ Thanks very much for the reprints - they are very much appreciated. We have indeed met a couple of times at AASP meetings. Do you remember the bearded Englishman sitting at your table at the Phoenix banquet - the Hocheulis and Canrights were at the same table.

Yours very truly,

Rob Fensome.

Hunt Institute for Botanical Documentation

3 March, 1980

Dr. R. A. Fensome
108 General Purpose Building
University of Saskatchewan
Saskatoon, Sask., Canada S7N OWO

Dear Rob:

Perhaps we have met? If not, I apologize for informality, but you did sign "Bob"! In any event, thanks for the monograph on dinos--"reprint" underplays the size of it. It is good reading, and I have enjoyed it.

I am happy to send you what I have available, but most of my more important papers are long since exhausted.

Best wishes.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

Hunt Institute for Botanical Documentation

R.A. Fensome
108 General Purpose Bldg.
Univ. of Saskatchewan
Saskatoon, Sask., S7N 0W0

Feb. '80

Dear Colleague:

I hope that you will find this reprint useful in your research. I would like to commence exchanging palynological reprints with you. I am currently working on the Upper Jurassic/Lower Cretaceous palynology (principally miospores) of western Canada.

Yours sincerely,

Rob Fensome

(R.A. Fensome)

Hunt Institute for Botanical Documentation

PS. It St. L. Dr. [redacted]an Feray of Texas Christia[redacted]Univ. was trying to locate Dr. Al Traverse. If they did not get together there will you please ask Dr. Traverse to call Dan as he wants to talk to him about Texas Tech. BMK. (Knobel)

1 May 66

Dan
File: 1 Feray

Hunt Institute for Botanical Documentation

5 June, 1984

Alfred Traverse, Professor of Palynology, 435 Deike

Ms. Nancy Brown Fergus, 207 Old Main

Re the memo of 25 May: info on palynological collections looks o.k. except you have wrong phone number! Should be 863-3419.

You could well use a photomicrograph or two or three of palynomorphs (pollen, spores, etc.) I could provide some good ones. I enclose just xerox copies, so you can see grossly what we're talking about. Glossy prints could be provided.

Best of luck.

AT/et
encl

Hunt Institute for Botanical Documentation

Jo. V. 92

Dr. I. K. Ferguson
Royal Botanic Gardens
Kew, Richmond
Surrey, England TW9 3AB

Dear Keith,

Thanks so much for the good wheat of reprints, which I will gradually read. You've obviously been very productive! Thanks also for squeezing me into your busy schedule. I'd appreciate it if you'd also say "Hi!" and "thanks" to Marie and Madeline for their reprints and friendly reception. I was of course greatly impressed with the splendid facilities!

Best regards.

Yours

Hunt Institute for Botanical Documentation

16 February, 1981

Dr. Jorge Ferrer
Esso Production Research - European
213 Cours Victor-Hugo
33321 Bègles, France

Dear Dr. Ferrer:

Thanks for yours of 13 February, and for the very kind offer it contained. As I said in my letter of 10 February to Dr. Jan du Chêne, we will arive the evening of March 31, and depart early on 3 April. In other words, we will be in Bordeaux for the days of 1st and 2nd April.

Thanks again.

Yours very truly,

Alfred Traverse
Visiting Professor

AT/et

Hunt Institute for Botanical Documentation

SOCIÉTÉ ESSO DE RECHERCHES ET D'EXPLOITATION PÉTROLIÈRES - ESSO REP
SOCIÉTÉ ANONYME - CAPITAL 35 100.000 F. — Siège Social : 6, Avenue André Prothin — COURBEVOIE (HAUTS-DE-SEINE)

ESSO PRODUCTION RESEARCH - EUROPEAN
213, COURS VICTOR-HUGO, 33321 BÈGLES, FRANCE

JORGE FERRER
RESEARCH MANAGER

February 13, 1981

Prof. A. Traverse
E T H
Geologisches Institut
Sonneggstrasse 5
CH-8092 Zürich

Dear Prof. A. Traverse:

Thank you for your letter of February 10, 1981 to Dr. R. Jan du Chêne. We are now looking forward to your visit at the beginning of April and would be glad to make reservations and pay the hotel bill for you and your wife for the two days you stay in Bordeaux.

Yours sincerely,

J. Ferrer

RJdC:mcl

TELEPHONE BORDEAUX (56) 90.92.10
(56) 85.00.10
R. C. SEINE 55 B 9218
TÉLÉGR. ESSO REP BORDEAUX - TELEX 540 421 F

Hunt Institute for Botanical Documentation

January 7, 1975

Alfred Traverse, Professor of Palynology

Dr. B.F. Coon
106 Patterson Building

One of my friends, Mr. Drew Ferrier of Philipsburg, Pennsylvania, a recent graduate of Washington and Jefferson College, has asked me to write you regarding his application for graduate work at this university. I have known Mr. Ferrier since he was a boy in connection with my work as an Episcopal clergyman in Philipsburg. He served as an altar boy under my direction, was in several classes of mine over the years, and I came to know him quite well. I have a strong positive impression of Drew over the years as a good student, ambitious and hard working, and all in all a highly motivated individual. His father is one of the more prominent physicians in Clearfield and Centre Counties, and Drew has had very fine background of family support in his academic endeavors to date. While I am somewhat surprised that Drew is not pursuing a career in medicine, it is good news for whatever field of biology he intends to enter. In short, although I know nothing about Drew's performance in college other than that he completed his work satisfactorily, I can say on a personal basis that this is a very high caliber guy and that my guess is that he would be a superior graduate student.

AT/vsi

Hunt Institute for Botanical Documentation

THE UNIVERSITY OF TEXAS
AUSTIN

OFFICE OF THE
DEAN OF THE COLLEGE OF ARTS AND SCIENCES

April 5, 1966

Dr. Alfred Traverse
Department of Geology
The University

Dear Dr. Traverse:

Dr. Burdine will be away from the office this morning and has asked me to reply to your letter of March 24 which did not come to our attention until yesterday when the ballots were opened for counting.

In reply to your question, all regular faculty members of the College with the rank of Assistant, Associate or full Professor are eligible to vote as are all Instructors who have been on the staff for more than two semesters. This above rule applies only to College elections.

If you have any further questions, please let us know.

Sincerely yours,

Eleanor N. Fertsch

Mrs. Stanley C. Fertsch
Administrative Assistant

ef

Hunt Institute for Botanical Documentation

July 8, 1960

Mr. Thomas W. Fetters
Botany Department
Indiana University
Bloomington, Indiana

Dear Tom:

I enjoyed your letter of July 2, have noted the change of address and look forward to seeing you again in August.

With reference to your question about Wilcox pollen floras, I would say that any of the work done on this material by the various companies that the companies regard as confidential you will not, of course, hear about. That is too bad from the point of view of your immediate aims, but is nevertheless true. Hence, you should not be too surprised if a certain laboratory has done considerable work with the Wilcox but is not talking about it.

One man who is working on Wilcox pollen and who seems to be quite free to discuss his results (even with competitors!) is Bill Fairchild, Standard Oil Company of Texas, 2708 Danville, Houston. He has asked me to put him in touch with persons interested in Wilcox pollen. I suggest you write him as a beginning.

Very truly yours,

Alfred Traverse

AT:pjd

Shell Development Company
Exploration and Production Research Division

Hunt Institute for Botanical Documentation

INDIANA UNIVERSITY
BLOOMINGTON, INDIANA

DEPARTMENT OF BOTANY

Mr. Thomas W. Fetters
Botany Department
Indiana University
Bloomington, Indiana
July 2, 1960

Dr. Alfred Traverse
Shell Development Co.
3737 Bellaire Blvd.
Houston 25, Texas

Dear Dr. Traverse:

Thank you for sending a copy of your article which appeared in the recent Plant Science Bulletin.

Dr. Canright mentioned to me that you stopped here in Bloomington recently. He said that you were aware of the fact that "some" oil companies have variable amounts of information on samples of the Lower Eocene Wilcox Flora deposits which have been described by E. W. Berry (1916,1930). As I believe Dr. Canright told you, I am just starting a pollen analysis of some of the same deposits as a research problem for a Ph.D. degree. My intensions are to revise the Wilcox Flora as described by Berry on the basis of a pollen analysis. I will greatly appreciate it if you could give me some pointers on who I might contact in order to obtain <u>any</u> available information concerning this problem. I have corresponded with Dr. William Evitt of Jersey Production Research Co. of Tulsa and he informed me that he has only processed one sample of this material which he obtained from Dr. Henry Andrews. As Dr. Evitt only wanted a "sample assemblage from the locality" he did no further work on the material. In preliminary sampling of some Wilcox material I collected in April, I have found an abundance of pollen material present and I feel quite certain that the problem will be a productive one for my research work.

Please note that my mailing address is no longer 804 E. Pike Street, Crawfordsville, Indiana.

I hope it will be my pleasure to see you again this August, as I am planning to attend the AIBS Meetings and the P.S. B.S.A. field trip in Stillwater.

Respectfully yours,

Thomas W. Fetters

Thomas W. Fetters

Hunt Institute for Botanical Documentation

7 October, 1983

Professor Lynn S. Fichter
Department of Geology
James Madison University
Harrisonburg, VA 22807

Dear Lynn:

Love that planter's hat!

Here's the stuff you requested. Really, a suitable reading list would be a publication in and of itself!

Good to get to know you. Thanks for the Prigogine biblio. Best wishes.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et
encl

Hunt Institute for Botanical Documentation

March 26, 1974

Search Committee
Department of Paleontology
Field Museum of Natural History
Chicago, Illinois 60605

file

Attn: Dr. E.S. Richardson, Jr. & Dr. J.R. Bolt

Dear Friends:

Thank you for yours of 14 March regarding the interesting opening at the Field Museum--a place rich in fond memories for me going back to my childhood in "Chicago land".

I suppose the gist of your letter is that you want me to suggest names of people in palynology-paleobotany who might be candidates for the post. A few names do pop into mind. For example, Dr. Richard W. Hedlund, Amoco Production Company, Tulsa, Oklahoma, has the right combination of virtues for this job and has expressed an interest in getting out of oil company work. Another possibility, it seems to me, is Dr. Richard Scott of USGS, Denver, a first class scientist and perhaps ready for a change. Or, how about Dr. Bob Perkins of LSU--a good paleontologist, and a man with many of the right administrative qualities?

I mention these three people because I assume you already have the names of people within the "museum establishment" but are looking for a fresh outside face.

Sorry I am not able to provide a more comprehensive list--I do wish you well in your search and look forward to an announcement one of these days.

Yours very truly,

Alfred Traverse
Professor of Palynology
Editor, Catalog of Fossil Spores & Pollen

AT/vsi

Hunt Institute for Botanical Documentation

FIELD MUSEUM
OF NATURAL HISTORY

March 14, 1974

Dr. Alfred Traverse
Department of Geosciences,
College of Mineral Industries
Pennsylvania State University
University Park, Pennsylvania 16802

Dear Dr. Traverse:

The present chairman of this department, Dr. Rainer Zangerl, is retiring at the end of 1974. We are therefore searching for a successor as Curator and Department Chairman. As part of this search we are writing to a number of people who are leaders in some area of paleobiology and who may be able to suggest candidates.

Prerequisites for the position include: a high level of scientific achievement; an active research program in any area of paleobiology; and administrative experience. The successful candidate will be in charge of an eight-man department, largely paleobiology-oriented, plus supporting staff, and will act as the principal liaison between the department and the Museum administration.

We would appreciate receiving any suggestions you may have regarding candidates for this position. Your reply will be treated with strict confidentiality. It would be helpful if you could reply to the Search Committee by April 15, 1974.

Cordially,

The Search Committee

Eugene Richardson

Eugene S. Richardson, Jr.
Curator
Invertebrate Paleontology

John R. Bolt

John R. Bolt
Assistant Curator
Fossil Reptiles and Amphibians

ESR-JRB:mla

ROOSEVELT ROAD AT LAKE SHORE DRIVE • CHICAGO, ILLINOIS 60605 • TELEPHONE 922-9410, AREA CODE 312

Hunt Institute for Botanical Documentation

FIELD MUSEUM
OF NATURAL HISTORY

22 June 70

Dear Dr Traverse:

I report success of a sort. That putative crinoid is very similar to the *Melocrinus naplesensis* figured by Winifred Goldring (1923) as fig 3 of pl. 15 of Memoir 16 of New York State Museum (Devonian Crinoids of New York). According to Moore + Laudon (GSA Sp P 46) the name should be *Melocrinites*. Actually, their figures don't look a bit like your specimen, and the species may well have been put in some other genus when I wasn't looking. Anyhow, I'm quite sure that the object in question is a crinoid, and quite possibly the species I have mentioned.

Sincerely,
Eugene Richardson

I'll send back the specimen soon.

ROOSEVELT ROAD AT LAKE SHORE DRIVE · CHICAGO, ILLINOIS 60605 · TELEPHONE 922-9410, AREA CODE 312

Hunt Institute for Botanical Documentation

FIELD MUSEUM
OF NATURAL HISTORY

June 19, 1970

Dr. Alfred Traverse
Deike Building
Pennsylvania State University
University Park, Pa. 16802

Dear Dr. Traverse:

Thank you for referring the Devonian whatsit to me. It keeps changing from crinoid to millipede. Actually, I am reasonably sure that it is a crinoid, but I would like to hold it for a few more days to see if inspiration leads me elsewhere. I compared it unsuccessfully with all of the Devonian crinoids in our collection.

I recall with pleasure being with you on the field trip in Central Utah in 1966.

With best regards,

Sincerely,

Eugene Richardson

Eugene S. Richardson, Jr.
Curator of Fossil Invertebrates

ESR/eb

Hunt Institute for Botanical Documentation

June 16, 1970

The Curator of Invertebrate Fossils
Department of Paleontology
Field Museum of Natural History
Chicago, Illinois 60605

Dear Sir:

A student recently brought in the enclosed fossil. Unfortunately, the student is not a geologist and did not get sufficiently precise location data. However, the fossil is from the Blanchard Dam area near Lock Haven, Pennsylvania, and is obviously Devonian. Most of us think that it is probably an oddly preserved crinoid stem, but the nagging suspicion that it might be something else is bothering us. Would you have a look, give us your opinion, and return the fossil? Return postage is included.

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT:kc

Enclosure: return postage

Hunt Institute for Botanical Documentation

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
WASHINGTON 25, D. C.

November 16, 1954

Air Mail

Dr. Alfred F. Traverse, Jr.
B 12 Park Village
Grand Forks, North Dakota

Dear Dr. Traverse:

Today, I had the opportunity of talking to Dr. McCabe about the matters we discussed at luncheon at the University Club, Pittsburgh, on November 9.

Dr. McCabe had a favorable attitude toward consideration of the idea of coal petrography studies of lignite, subbituminous coal, and western coals at the Denver Federal Center, Denver, Colorado, and wishes to give some thought to this matter during the next ten days. He is leaving Washington this afternoon, and will be absent for about a week. I am suggesting that you keep this matter confidential until you hear from him.

I enjoyed the opportunity of lunching with you in Pittsburgh, and trust that all goes well with you at Grand Forks.

Sincerely yours,

A. C. Fieldner

A. C. Fieldner,
Chief Fuels Technologist

Hunt Institute for Botanical Documentation

Region V
Box LL, University Station
Grand Forks, North Dakota

August 26, 1954

Memorandum

To: A. C. Fieldner, Chief Fuels Technologist, Washington Office

Through: Chief, Fuels Technology Division, Region V

From: Coal Technologist, Lignite Branch

Subject: Classification of lignitic coals

The classification of the lowest rank coals has been of interest to me for some time, initially because Professor Barghoorn and I were puzzled about what to do, classification-wise, with the Brandon, Vermont, lignitic coal, which has always been called "lignite", despite relative unconsolidation. I think this is a good illustration of the fact that the traditional use in this country of the word lignite has been generic -- all lowest rank coals have usually been termed lignite by American geologists in the field, just as the Germans have used Braunkohle generically. The distinction set up by the A.S.T.M. classification between "consolidated" lignite and "unconsolidated" brown coal was not based on the practice of American geologists.

My feeling is that significant parameters can be found for a rational subdivision of the lignitic coals. Mr. Selvig's work seems an excellent start in this direction. But I am entirely in sympathy with Dr. Edwards in his feeling that the "consolidated" vs. "unconsolidated" division is not satisfactory. It is difficult to define, difficult to measure, and, I suspect, not uniformly good even if measurable.

But it seems to me that Dr. Edwards was wrong in calling all lignitic coals brown coal in his recent publications. The term "lignitic coal" could equally well be used as a generic term until a satisfactory subdivision is effected. (See discussion of this subject on page 33 of Bureau of Mines I. C. 7691, Technology of Lignitic Coals.)

Part of Dr. Edwards' objection to the words lignite and lignitic is the implication of woody nature. Not all lowest rank coals are woody, of course. But this objection is not really any more valid than would be objection to the word bituminous on the

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ground that not all bituminous coals are rich in bitumen.

Discussion of the suggested parameters:

1. Humic acid content: The use of humic acid content as outlined by Selvig seems sound to me — I have observed in macerating various lignitic coals the great differences in reactivity of the coals with dilute KOH solutions. The browner, usually less consolidated, lignitic coals are easily macerated with KOH; the darker, harder lignitic coals react much more slowly. However, if the darker, harder coals are oxidized in the laboratory, or if they have been oxidized naturally, they too are easily macerated in KOH.

   I suspect that the "available humic acid" content of lignite coals is associated rather closely with changes in other characteristics of these coals. For example, the brown color of the high humic acid coals is probably directly related to the humic acid content. It may be that greater " consolidation" is also related — that is, as the coals become more compact, availability of the humic matter to KOH extraction tends to decrease.

   The use of the humic acid characteristic will, however, require great care that fresh, unweathered coal, with all of its bed moisture, is obtained. I have noted considerable difference in KOH extractability between samples <u>of the same coal</u> where one sample was of weathered material.

2. Moisture-holding capacity: This characteristic should ordinarily be closely related to the humic acid content because of the well known hygroscopic nature of humic acids, and I would suspect some special explanation for apparent great discrepancies, such as that in the case of the Tuscany lignite (Selvig No. 47593).

3. Consolidation: It is likely that this is generally related to the "available humic acid" and to moisture-holding capacity, and it is quite likely that what the Germans call hard brown coals would at least in part prove to be higher in the scale on other counts as well, as suggested by Dr. Fieldner. At the same time, it is evident that there are exceptions to the rule of less consolidation for the high humic acid, high moisture-holding capacity coals. I would agree with Edwards that "consolidation" is not amenable enough to measurement and definition to be used satisfactorily as a classificatory parameter, except as supplementary to other characteristics.

4. Other parameters that might be used:

   a. Thermal value: I am not qualified to comment on this, except to say that Selvig's data certainly give little encouragement to the idea that there is a conspicuous break anywhere in the scale. It might be possible to use this as a supplementary parameter.

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b. Residual carbohydrates: It is unfortunate that some tests were not run to determine existence of, and percentage of residual carbohydrates ("holocellulose", etc.) in these lignitic coals. It would be rather easy to set up a standard test that would give quantitative measurement of this, and I have a suspicion that it might be significant and that the division shown would be comparable to that obtained by the humic acid technique but much less subject to sample condition.

Comments on other points in the Fieldner-Edwards correspondence:

1. As suggested by Fieldner, much North Dakota lignite does not have brown color, although the streak on a porcelain plate is almost invariably brown (excepting fusain and some opaque attritus, which give a black streak). However, the term "black lignite" is a term formerly applied by the U. S. Geological Survey, and others, to what we now call subbituminous coal.

2. It is always difficult to give existing terms different definitions than they have -- much more difficult than it is to coin new terms. There is no question that the great majority of scientists working with lignitic coals (almost all Germans) have used brown coal for the whole group. When a satisfactory division of the lignitic coals is obtained, I would say that lignitic coal A, and lignitic coal B might be a good compromise, giving a scientifically usable division without causing the consternation that would result from American lignite operators having to use "brown coal" for their coal or from Germans having to adopt "lignite" for some of their deposits that have always been called "brown coal". The latter could continue to be known as Braunkohle (lignitic A) in commerce.

   If either "brown coal" or "lignite" must be applied to the whole class, Edwards is entirely correct in pointing out that "brown coal" has prior claims -- the overwhelming preponderance of literature on these coals is German. The commercial importance of the German coals is also greater than that of our lignites.

3. Edwards is quite right about depth of overburden. Apparently depth of overburden makes no major difference, at least within a thousand feet or so. Similar examples could be cited in North Dakota of lignites under a couple thousand feet overburden, not markedly different from those that have never been covered by more than a few hundred feet of sediment. It takes the effect of overburden cover much longer than from, say, the Oligocene to the present to effect much coalification, unless there are great tectonic forces involved also.

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Summary: I agree with Edwards that consolidation is not an adequate parameter, for reasons outlined. I agree with Edwards that if either "brown coal" or "lignite" must be applied to all lignitic coals, "brown coal" is internationally more desirable. As a compromise, however, Lignitic Coal A and Lignitic Coal B are suggested for the proposed sub-divisions. I feel that Edwards exaggerates the difficulty and undesirability of subdividing the lignitic coals.

I think Selvig's work is very much on the right track and suggest that content of residual carbohydrate might also be tried out experimentally as a parameter.

AT

Alfred Traverse

ATraverse:vh

cc: Lankford
Region V
Traverse
File 625.1
C File

Hunt Institute for Botanical Documentation

RECEIVED
AUG 23 1954
U. S. Bureau of Mines
Grand Forks, North Dakota

August 18, 1954

Memorandum

To: W. W. Anderson, Chairman, ASTM Committee D-5,
Commercial Testing & Engr. Co., Chicago, Ill.
H. J. Rose, Chairman, ASTM Subcommittee XVIII,
Bituminous Coal Research, Inc., Pgh., Pa.
R. E. Gilmore, Canadian Department of Mines and
Technical Surveys, Ottawa, Ontario, Canada
Paul Averitt, U. S. Geological Survey, Wash., D. C.
Taisia Stadnichenko, U. S. Geological Survey, Wash., D. C.
A. F. Traverse, Jr., Bureau of Mines, Grand Forks, N. D.

Subject: Classification of lignitic coals

Enclosed is a copy of a letter to W. A. Selvig, together with a review that I have written under the title of "Classification of Lignitic Coals." This is not for publication, but for frank comment from the various persons to whom I am sending copies of the review. I will greatly appreciate your reading this, when you have time, and writing me what you think we should do with respect to the points raised by Dr. Edwards.

Cordially yours,

A. C. FIELDNER

A. C. Fieldner,
Chief Fuels Technologist

Enclosures

Hunt Institute for Botanical Documentation

August 17, 1954

Memorandum

To: W. A. Selvig - Pittsburgh

From: Chief Fuels Technologist

Subject: Classification of lignitic coals

Your letter of June 24, regarding the experimental work on European and American lignites and brown coals, with a view of getting international agreement on the classification of such low-rank coals, has reminded me of my correspondence, on the same subject, with Dr. A. B. Edwards, Commonwealth Scientific and Industrial Research Organization, East Melbourne, Victoria, Australia.

I do not know whether the Classification Working Party, E.C.E., knows about Dr. Edwards' views on this subject. For this reason, I reviewed our correspondence and interlined my comments on the different parts of his letters, and I also included a review of your letter to me of June 24.

A copy of this review, which I have entitled, "Classification of Lignitic Coals," is attached and I am sending copies of it to all of the persons indicated at the end of this letter. It appears to me that our Subcommittee XVIII on Classification of Coals will be drawn into this work.

I will be very glad to have your comments on the review which I have written, and I hope also to receive comments from the various persons to whom I have sent carbon copies.

A. C. Fieldner

A. C. FIELDNER

Enclosure

Copies to: W. W. Anderson
H. J. Rose, Chairman, Subcommittee XVIII on Classification of Coal
R. E. Gilmore - Canada
Paul Averitt
A. F. Traverse, Jr. - Grand Forks
Taisia Stadnichenko

Hunt Institute for Botanical Documentation

Classification of Lignite Coals.

Comments on Correspondence with Dr. A. B. Edwards,
Commonwealth Scientific and Industrial Research
Organization, 314 Albert Street, East Melbourne C.2,
Victoria, Australia

February 12, 1954
Fieldner to Edwards

Fieldner expressed his disapproval of Edward's calling North American lignite "brown coal" in his recently published book, and called his attention to the A.S.T.M. classification of coals in which the lignitic class of coal is subdivided into the following two groups: lignite for the consolidated variety found in North America, and brown coal for the unconsolidated variety found in Germany.

Fieldner also stated that American geologists considered brown coal as an earlier stage of metamorphism than lignite, i.e., a brown coal deposit was a buried peat bog covered with unconsolidated earth ratherthan rocks. We consider American lignite deposits as having been buried to a greater depth, and stratified rock to have formed over it to a sufficient height to produce pressure effects causing consolidation of vegetable residues and further chemical change.

February 26, 1954
Edwards to Fieldner

Edwards acknowledged a strong dislike to the term, "lignite," and quoted from a letter to Parks, May 1951, that he deplored the U. S. usage of the term, "lignite," and that our lignites are simply hard brown coals as in German usage.

Edwards considers the distinction between lignites and brown coals in the otherwise excellent ASTM classification to be vague and quite impossible to measure.

He asks, "How does one measure degree of consolidation?" Edwards would like to see the term, "lignite," restricted to mean altered wood, and all coals that are brown classed as brown coals.

In his letter to Fieldner of February 26, Edwards went on to state that "Our Victorian brown coals are oligocene to eocene in age, on present findings, and were originally buried beneath thicknesses of up to several thousand feet of younger tertiary sediments, and in places beneath basalt flows and tuffs. In places, as in the Parwan Mine, where the coal seam is at a depth of 400 ft., the roof sediments are as consolidated as one could wish--and so, to my way of thinking, is the brown coal."

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Fieldner: This is a lignite according to ASTM classification because it is consolidated.

"In underground mining the walls stood for years without timber. This is true also of the brown coal in the Moolarcona Mine, near Thorpdale, Victoria, and at Moorlands, South Australia.

Fieldner: ASTM would call this coal lignite and not brown coal.

"After looking at some of the North Dakota brown coals" (Fieldner: which we call "lignite") near Minot (Velva Mine), and Bismarck (Hazen Mine) I was of the opinion that they could scarcely be told apart from some of our coals (Wonalaydale, Latrobe North, and Moolarcona)."

"The Velva and Hazen coals were harder--but not so much harder--because of their lower moisture content (35% as against 40%), but were, otherwise, indistinguishable in color, texture, and weathering behavior." (Fieldner: Thus far, in this comparison, ASTM classification would define both the Australian and North Dakota coals as lignite and not brown coal.)

"Such overburden as I saw in North Dakota was no more consolidated than such original overburden as remains above our coals." (Fieldner: But it appears from the argument that both were consolidated, hence, we would term both as lignite.)

"The weak and shallow overburden above our high-moisture (and youngest) Yallourn coal, which is a soft brown coal, is misleading in that it is of Pliocene or possibly Pleistocene age whereas the coal is Oligocene; and not less than 1000 ft of cover and, in places, 400 ft of coal also was eroded before this present overburden was laid down."

Fieldner: This is an argument against our ASTM differentiation of "consolidated" vs. "unconsolidated." I would like to have the geologists' explanation of why the former rock formation over the lignitic coal did not consolidate it into lignite.

"To differentiate such similar coals as your Velva and Hazen coals and our Wonalaydale, Moolarcona, and Latrobe North coals by such distinctively different names as lignite, on the one hand, and brown coal, on the other, is, to my mind, to exaggerate unduly the significance of their differences in moisture content--their only significant difference."

Fieldner: I agree. ASTM classification would define both as lignite, since both are consolidated.

"This applies to some of the German and Czechoslovak coals also."

Fieldner: I agree that this may be true as to Czechoslovak coals and possibly a few of the German coals.

"I much prefer the German terms of hard brown coal (Hartbraunkohle) and soft brown coal (Weichbraunkohle) which make clear the essential difference and preserve the still more essential similarity. Moreover, they have a vagueness in keeping with the property by which one seeks to differentiate the coals."

Fieldner: I can understand Dr. Eduard's preference. After one has used the German nomenclature for years, as he has done, it seems more logical than ours. I put up exactly the same argument for the use of lignite for the hard or consolidated variety of lignitic coal. It has been used in the United States for many years and in all our literature.

"The characteristic feature of these coals is that they are brown. Some bands of them are lignitic in the sense that they contain much organized fossil wood, but other bands of equal volume are free of such organized lignitic remains. Hence, my differentiation between 'lignitic brown coal' and 'earthy brown coal.' A'lignitic lignite' seems a bit redundant--but there are such bands in North Dakota coals."

Fieldner: I am not sure that all lignite is brown. The term "black lignite" has been used by American geologists. I agree that bands of organized fossil wood occur in some American lignite, as well as Australian and German brown coal; and I think Dr. Edwards is right in his claim that the German literature uses the term "lignite" to describe this fossilized wood occurring in their brown coal. This is a disturbing element in German and Australian acceptance of our term "lignite" as a group name for their hard brown coals.

"On the contrary, you might argue that the coals contain a great deal of lignin or huminized lignin, and so should be called lignites."

Fieldner: I agree.

"I think that one term, lignite or brown coal, should cover them all. But, there we come up against the difficulties of changing existing local usage. I think the only way out is to use the two terms as synonyms (lignite=brown coal). Otherwise, the weight of publication lies with the Germans."

Fieldner: I agree that usage and literature of Germany vs. North America have been too dominant to change either at this time. I do not like the idea of accepting the two terms as synonyms, but this may prove to be the only practical solution. I think that in America we will continue to use the term "lignite" with the understanding that it is equivalent to the hard brown coals of Germany and Australia. We would not change our definitions. Likewise, we would like to see the brown-coal countries divide their brown-coal class of coals into a hard or consolidated group and a soft or unconsolidated group.

"I don't think your present solution is a practical one. It introduces what seems to me an unnecessary classification division (Would it have arisen but for the pre-existence of the terms brown

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coal and lignite?) based on a property of the coals that is extremely difficult to estimate. I would prefer that the subdivisions in any coal classification should relate to either (a) some significant natural change in the character of the coals or (b) to an arbitrary point on some progressively variable and easily measurable fundamental property, the latter only where an existing natural subdivision (type a) is too large for economic purposes."

Fieldner: The use of the terms "consolidated" and "unconsolidated" seemed to me, at the time ASTM adopted our classification, as a natural and obvious difference. In 1924 I visited a number of brown-coal operations in Saxony and also The Rhine district of Germany. All of these coals were unconsolidated and mined with scrapper conveyors. On the other hand, the lignite beds that I had seen in North Dakota were consolidated. It was necessary to blast the coal before removing it from the bed. Of course, there probably are in Europe and in Australia some beds that are on the borderline between consolidated and nonconsolidated, but this also is true if one classifies on a color basis of black or brown. I see no more difficulty in differentiating on a consolidation or hardness basis than on a color basis--in fact, not as much. I think that consolidation is a significant natural change in the character of the coal that increases its rank in the scale from peat to anthracite.

"I don't think it will prove practical to name the coals on a geographical basis. It would cut across peoples' conceptions and be impossible to police."

Fieldner: I agree.

"May I suggest, therefore, that you make lignite and brown coal synonymous terms, and don't try to divide the lignite-brown coal field, except by the use of the terms "hard" and "soft." I could wish that this were more helpful and also that I didn;t have a feeling that I am tilting at windmills. However, I send it with my warmest regards, and very much appreciate your asking for my comments."

Fieldner: This is a good closing paragraph. In the ASTM system the class is lignite and the groups under this class are:

Lignite - consolidated
Brown coal - unconsolidated

We probably will continue this usage in North America.

March 11, 1954
Fieldner to Edwards

Fieldner: I stated "I appreciate your thoughtful consideration of the problem with which we are faced in adopting terms for international use because of the difference in the use of these terms in various countries.

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Practically all of the North American lignitic coals are of the hard variety, and I had presumed that your Australian coals were of the soft variety, similar to the German brown coals. It is apparent from your letter that this is a mistaken conception. You have both kinds."

"I am sending copies of your letter to the officials of ASTM Committee D-5 on Coal and Coke so that they may have your point of view."

"W. A. Selvig, a member of Committee D-5, is also a member of the Classification Working Party, Coal Committee, Economic Commission for Europe. This Committee is deeply concerned with the respective definitions of the different kinds of coal in the 'lignitic' or 'brown coal' class."

"I will write you again after I obtain the reaction of our Committee."

May 3, 1934
Edwards to Fieldner

"This is to thank you for the reprint of your paper 'Constitution and Classification of Coal', and the copy of R.I. 3296 - 'Classification Chart of Typical Coals of the United States', which I have read with interest.

"I note that you have pencilled the section of your paper 'Constitution and Classification of Coal' that refers specifically to our point at issue - the distinction between German 'brown coals' and Dakota and Texas 'lignites'. In this pencilled section, on p.1, in referring to the German coals, you write:-

> 'The brown coal beds of Germany represent such buried peat bogs covered with 50 to 100 feet of unconsolidated earth.'

"Herein, I think, lies the source of what I would term - with all humility - your erroneous distinction, because this statement involves a misconception.

"Consider, for example, the Lower Rhine brown coal field, centred on Cologne. This consists of a central graben, the Swist-Erft Valley, lying between the Vorgebirge or Ville horst on the east, where the main brown coal mines are situated, and a complex of horsts and minor grabens on the west, where the mines Mariaweiler and Eschweiler are situated.

"The Ville horst begins west of Bonn, and stretches for about 50 km. northwards. It is 7 to 4 km. wide, growing narrower to the north. The main brown coal seam extends the length of the Ville, increasing in thickness from 20 to 30 metres in the south (Liblar) to 90 metres in the north (Gischbach and Fortuna), with a shallow overburden throughout.

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"In the adjacent Erft Graben the same seam lies at depths of up to 1000 metres, rising to north and south. The reserves in the graben amount to about 15,000,000,000 tons and in 1948 were being explored at depths of 300 to 400 metres, with a view to underground mining. A shaft sunk to 328 metres had penetrated 54 metres of brown coal.

"The coal in this basin is a 60% moisture coal.

"Some of the Czechoslovakian brown coals have as low a moisture content and as high ultimate carbon as your Dakota coals, and are as 'consolidated'. The top seam in the Falkenau basin can be open cut in the western part of the basin, but lies at depths of 100 metres in the eastern part. Two more seams occur below it.

"The same is true in Victoria. Our high moisture coals now have 30 to 100 ft. of soft overburden. This overburden accumulated in the late Pliocene or Pleistocene, after an original Oligocene cover of 600-1000 ft. (possibly more) had been stripped off.

"Some of our older brown coal seams lie at depths of 2000 to 3600 ft., beneath limestone. Some underlie Oligocene basalts (overlain by a further 1000 ft. thickness of brown coals, and some hundreds of feet of sediments, plus a further original 600-1000 ft. of sediments now eroded). One seam, 100 ft. thick, which has only 30 to 50 ft. overburden where worked, is elsewhere at a depth of 500 ft. beneath Oligocene limestones and Pliocene basalts.

"Both in Germany and in Victoria these coals show a wider range of 'hardness' or degree of 'consolidation', and there is no simple way of measuring this property. They are all brown, however, and 'brown coal' is a good descriptive name - better, to my way of thinking, than 'lignite'.

"With a long established journal called 'Braunkohle' in existence, I do not think you have much chance of persuading Germans to your point of view. So again, I suggest that you accept the terms 'lignite' and 'brown coal' as synonyms, and drop the present subdivision in the classification - unless I can persuade you to adopt the term 'brown coal' in preference to 'lignite'."

Fieldner: I have not replied, as yet. It appears to me that Edwards has strong evidence that my observation of the operating brown coal mines misled me into the conception that all German brown coal had shallow cover. Certainly, I cannot maintain this position when it is shown that the same bed of brown coal, that has been mined in open cuts, extends under a cover of about 1000 ft., some of which is consolidated rock. Apparently, the deep part of this bed has the same composition and rank as the shallow part of the bed.

Dr. Edwards also quotes much evidence from the geology of the Australian deposits that supports his position. On the basis of this evidence, I must change my opinion as to the geological reasons for

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the higher rank of our lignite in comparison to the German and Australian brown coals.

I suggest the geologists on Subcommittee XVIII - Classification of Coals - of ASTM Committee D-5 on Coal and Coke give consideration to the evidence presented by Dr. Edwards. Should we modify our group classification of the coals of lignitic rank? Should we follow Dr. Edwards' suggestion and accept lignite and hard brown coal as synonymous terms for our consolidated lignitic coals?

June 24, 1954
W. A. Selvig to
A. C. Fieldner

In connection with the Classification Working Party, E.C.E., W. A. Selvig submitted data in two tables (Nos. 1 and 2 attached) on the parameters differentiating brown coals from lignite.

The parameters considered were (a) moisture-holding capacity, (b) humic-acid content, and (c) calorific value.

The data were obtained in the Bureau of Mines Coal Analysis Laboratory in Pittsburgh, Pennsylvania, on 19 exchange samples from Belgium, Germany, Greece, Italy, Yugoslovia, Poland, and U.S.A. Nine additional samples of brown coal from various regions of eastern Germany (including Saxony) are being analyzed by the Bureau. On the basis of the tabular results, W. A. Selvig believes that the moisture-holding capacity and the humic-acid content may prove to be useful parameters for differentiating between lignite and brown coal on the basis of rank, and that calorific value on the moist, ash-free basis, and ultimate analyses, are not satisfactory.

The observation of the degree of consolidation may be seriously influenced by the opinionof the observer and by the subsequent, weathering of the sample after it has been removed from the coal bed.

Table 1- A tabulation of the 19 samples in descending order of the moisture-holding capacity shows all but one of the last 10 samples rated as firmly consolidated. Hence, firm consolidation does seem to have some relation to the rank of the coal as expressed by moisture-holding capacity. It also shows some relation to humic-acid content as shown in Table 3 where the coals are arranged in descending order of humic-acid content.

The last 9 samples in the table 1. are firmly consolidated as one would expect for lignites, but four in the first nine samples also are described as firmly consolidated. The second one from the top of Table 1, Lab. No. 47395, would be considered a brown coal on the basis of both the moisture-holding and humic-acid parameter. Since it is a peaty lignite one wonders whether the fresh sample, when taken in the bed, actually was firmly consolidated or hard as defined by Dr. Edwards of Australia.

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The 5th, 6th, and 7th samples from the top, Lab. Nos. 47593, 47598, 47597, respectively, rate as brown coal by moisture-holding capacity and lignite by humic-acid content. Here again the question arises as to the hardness and degree of consolidation of a freshly-taken sample free from surface weathering effects. It perhaps is possible for a fresh sample of soft or earthy brown coal to dry out and become harder and appear to be firmly consolidated.

If I were asked to draw a line on the basis of the 19 samples tested, I would place it at 40 percent for moisture-holding capacity and at 30 percent for humic-acid content as Selvig suggests. Under this differentiation practically all the lignite would be hard and firmly consolidated.

It will be interesting to see how the German samples now being analyzed in Pittsburgh will fit into the tabulations thus far made.

It also would seem to be important to get a variety of samples from Australia; and it is suggested that consideration be given to obtaining samples of hard and soft brown coals from Australia. Perhaps Dr. Edwards would be willing to cooperate.

Conclusions

The correspondence reviewed in these comments leads to the suggestion that Subcommittee XVIII (Classification of Coals) of ASTM Committee D-5 should be activated and review the group classification of coals of lignitic rank with a view to working towards nomenclature and definitions that would have world-wide application. This is an appropriate time to take up this question in view of Mr. Selvig's current work with the E.C.E. Classification Committee.

Arno C. Fieldner,
Chief Fuels Technologist

August 12, 1954

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Table 1. — LIGNITE AND BROWN COAL DATA

19 EXCHANGE SAMPLES OF CLASSIFICATION WORKING PARTY, COAL COMMITTEE, E.C.E.

Source and designation		Lab. number	Rank name as designated by country of origin	Moisture-holding capacity, percent, ash-free basis	B.t.u., Moist,[1] ash-free basis	Humic acids,[2] percent, dry ash-free basis	Oxygen, percent, dry, ash-free basis	Physical appearance
Italy - Tuscany	G/I	47731	Peaty lignite	53.9	5,520	24.5	19.9	Loosely consolidated
Italy - Lucania	3/I	47595	Peaty lignite	53.5	5,170	29.3	25.3	Firmly consolidated
Greece - West Macedonia	3	47689	Lignite	52.7	4,910	30.6	27.3	Loosely consolidated
W. Germany - Rhine region		47568	Brown coal	49.1	5,930	38.6	24.1	Loosely consolidated
Italy - Tuscany	1/I	47593	Xyloid lignite	47.6	5,980	6.5	26.3	Firmly consolidated
Yugoslavia - Serbia	3	47598	Brown coal	47.6	6,260	25.2	24.0	Firmly consolidated
Yugoslavia - Slovenia	2	47597	Brown coal	45.8	6,240	12.8	23.3	Firmly consolidated
Poland	T	47655	Brown coal	44.8	6,940	22.7	20.6	Loosely consolidated
Poland	K	47654	Brown coal	43.3	7,160	34.4	20.2	Loosely consolidated
U.S.A. - California - Ione		47740	Lignite	42.5	7,450	42.7	21.9	Firmly consolidated
U.S.A. - Arkansas	3	47542	Lignite	40.6	7,320	66.3	23.1	Firmly consolidated
Belgium - Florrenes region		47567	Lignite	40.4	7,130	31.4	23.5	Loosely consolidated
U.S.A. - North Dakota	1	47541	Lignite	37.5	7,820	6.3	19.3	Firmly consolidated
Greece - Euboea Island	1	47687	Lignite	36.8	7,390	7.1	23.9	Firmly consolidated
U.S.A. - Texas	2	47540	Lignite	35.5	8,270	14.9	17.4	Firmly consolidated
Italy - Umbria	2/I	47594	Peaty xyloid lignite	34.1	7,390	9.7	27.3	Firmly consolidated
Yugoslavia - Bosna	1	47596	Brown coal	32.8	7,930	5.3	25.1	Firmly consolidated
Greece - Athens area	2	47688	Lignite	27.3	8,890	6.1	19.8	Firmly consolidated
Greece - East Macedonia 3/	4	47690	Lignite	26.2	8,920	8.1	21.4	Firmly consolidated

1/ Equilibrated at 97 percent relative humidity and 30° C.

2/ Humic acids determined by method described in Document COAL/CWP/50 (March 17, 1953), pp. 9-10.

3/ Sample received in air dry condition as container had opened in shipment; sample as received had 18.2 percent moisture on the as-received ash-free condition.

W. A. Selvig
June 22, 1954
Bureau of Mines
Pittsburgh 13, Pa.

Hunt Institute for Botanical Documentation

TABLE 2. - LIGNITE AND BROWN COAL DATA

19 EXCHANGE SAMPLES OF CLASSIFICATION WORKING PARTY,
COAL COMMITTEE, E.C.E.

Lab. Number	Dry ash-free basis		Atomic Carbon-hydrogen ratio, C/H
	Carbon, percent	Hydrogen, percent	
47731	70.5	4.8	1.23
47595	65.4	5.2	1.06
47609	65.4	4.3	1.28
47568	69.1	4.9	1.18
47593	66.5	5.2	1.07
47598	68.9	5.4	1.07
47597	67.5	5.0	1.13
47655	71.9	5.5	1.10
47654	71.4	5.8	1.03
47740	68.5	7.7	.75
47542	69.0	5.8	1.00
47567	70.1	5.0	1.18
47541	74.1	4.7	1.32
47687	68.0	5.2	1.10
47540	73.9	5.3	1.17
47594	64.8	5.3	1.03
47596	68.1	5.3	1.08
47688	71.8	4.7	1.28
47690	67.9	5.2	1.10

W. A. Selvig
Bureau of Mines
Pittsburgh 13, Pa.
June 23, 1954

Hunt Institute for Botanical Documentation

TABLE 3. - 19 EXCHANGE SAMPLES OF CLASSIFICATION WORKING PARTY, COAL COMMITTEE, ECE

Country	Lab. No.	Humic acids, percent dry ash-free basis	Physical condition
U.S.-Ark.	47542	66.3	Firmly consolidated
U.S.-Calif.	47740	42.7	" "
Germany-Rhine	47568	38.6	Loosely consolidated
Poland	47654	34.4	" "
Belgium	47567	31.4	" "
Greece	47689	30.6	" "
Italy	47595	29.3	Firmly consolidated
Yugoslavia	47598	25.2	" "
Italy	47731	24.5	Loosely consolidated
Poland	47655	22.7	" "
U.S.-Texas	47540	14.9	Firmly consolidated
Yugoslavia	47597	12.8	" "
Italy	47594	9.7	" "
Greece	47690	8.1	" "
Greece	47687	7.1	Firmly consolidated
Italy	47593	6.5	Firmly consolidated
U.S.-N.Dak.	47541	6.3	" "
Greece	47688	6.1	" "
Yugoslavia	47596	5.3	" "

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

17 July, 1989

Dr. John Filatoff
APG Consultants
G.P.O. Box 880
Brisbane, Queensland
Australia 4001

Dear John:

Just read the paper, "A pteridacean spore lineage...," which you so kindly sent me. What a nice, beautifully illustrated piece of work! The "disto-equatorial murus" of Striatella is a feature I seem to be having trouble understanding from your description and photos. "Murus" is a sculptural feature, right? Could you make me a line drawing in five minutes or less (or mark on a xerox) to illustrate what I'm supposed to be seeing in Striatella and missing in Contagnisporites in your great photos?

All the best.

Yours very truly,

Alfred Traverse

AT/et

Hunt Institute for Botanical Documentation

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

6 May, 1987

Dr. Mariana Filipova
Museum of Natural History
41 B Blagoev St.
9000 Varna, Bulgaria

Dear Dr. Filipova:

Your New Year's greeting for 1987, rather incredibly, just arrived! It was a thrill for Betty and me to hear from you, as we have such happy memories of you from 1980 in Scotland.

We are delighted to know we would still be welcome in Bulgaria after having to cancel our earlier planned visit because of various family problems and other difficulties. Perhaps we should renew the effort for such a visit, in 1989? We'd love to see Bulgaria and visit you. This summer we are going to the International Botanical Congress in Berlin, and in summer 1988 we go to the IPC in Australia; these are enough long trips for those years, inasmuch as have to travel a lot in North America too. We'll be in Europe a whole month this summer. Mostly I'll be sitting in stuffy meeting rooms in Berlin, but Betty can do some exploring. We both are fluent in German, and will get a chance to practice!

All the best to you.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

Hunt Institute for Botanical Documentation

15 Jan. 87

Dear prof. Traverse,

I wish you and your wife Betty Traverse happy holiday season and a very successful 1987.

We are looking forward to your coming in Bulgaria

Best regards

Maziana Filipova

Hunt Institute for Botanical Documentation

Varna, December 28th, 1983

Dr. M.Filipova
Natural Museum
9000, Varna
Bulgarie

Prof.A.Traverse
The Pennsylvania State University
Palynological Laboratories
435 Deike Building
University Park
Pennsylvania 16802
USA

Dear prof. Traverse,

We had received your letters. Unfortunately the answer to your first letter might have got lost and now we are in a hurry to advise you that we expect you to come here in July 1984.

We would like to inform you that all arrangements concerning your and your wife's arrival and stay in Bulgaria have been made. You will be able to visit all places along the Black sea coast that you are interested in as well as some other parts of Bulgaria. It will be of great interest to us to consider some of the problems you work on.

We would like you to read a lecture for our colleagues from the University of Sofia and for those from the Institute for Marine Research in Varna. We kindly ask you to inform us about the thme of the lecture in case youd have the possibility to do that for us.

It would be a great pleasure for us to see your charming wife Elizabeth in Bulgaria.

Yours Sincerely

Elisaveta Bozilova
Mariana Filipova

Hunt Institute for Botanical Documentation

16 May, 1983

Dr. Mariana Filipova
~~Naturell~~ Museum
Macedonia Street No. 1
9000 Varna, Bulgaria

Dear Dr. Filipova:

I recently applied for National Academy of Science support to spend the month of June, 1984, in Bulgaria. If this goes through, I would like to spend part of the time with you in the Varna area and in the coastal region of Bulgaria, perhaps collecting and studying sediment from present-day rivers for comparison with my Black Sea stuff. It would also be good to learn a bit about the vegetation! My wife would be with me, and we could be independent part of the time, so as not to keep you from your work too much.

All the best.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

Hunt Institute for Botanical Documentation

19 October, 1983

Dr. Mariana Filipova
Natural Scinnce Museum
Macedonia Street No. 1
9000 Varna, Bulgaria

Dear Dr. Filipova:

Presuming that you received my letter of 16 May, 1983, you will know that I earlier expressed interest to our National Research Council, in being a guest of your Academy of Science in June, 1984. I have just been informed that I have inddd been selected for such a visit and will be nominated to the Bulgarian Academy. If I go to Bulgaria, I will bring my wife (who is also my technical assistant), but she will accompany me on our personal account.

There is, however, one problem--I haven't heard yet from you, or from Dr. Bozilova whether you can, or would, have me for a couple of weeks each during June, 1984. Could I have an expression of opinion about such a visit?

Best wishes.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

Hunt Institute for Botanical Documentation

1982 !

Dear prof. Traverse,

My best wishes to you and to Mrs. Traverse for a Merry Christmas and a Happy New Year.

I wish you great success in your scientific research in 1983.

Looking forward to your comming in this country.

sincerely yours

Maziana.

Filipova

Hunt Institute for Botanical Documentation

11 August, 1981

Dr. Mariana Filipova
Natural Science Museum
Macedonia St. No. 1
9000 Varna, Bulgaria

Dear Mariana:

So good to get the nice package from you! I was awaiting my recent return from about eight months on sabbatical in Switzerland. The book with your and Elisaveta's paper (so nicely inscribed) and the book with Chernyshova's paper are most interesting, and will be very helpful to us. I also appreciate the reprints of Bozhilova, Filipova and Dimitrov and of Bozhilova and Filipova. Unfortunately, these last interesting papers ("Palynological analysis of late-Quaternary...western parts of the Black Sea" ; "Resume: Palynological investigation...Black....") lack reference. Could you send me the complete bibliographic reference, so I can refer to the papers?

The vegetation map was a very nice gesture which I'll use, and gain great benefit from! What a nice present@ I remember studying it in Scotland last summer.

Now I'm getting confused about the difference between Bulgarian and Russian@--they are surely confusingly similar! I am trying to find a Bulgarian dictionary.

While in Switzerland, I gave lectures and visited in Turkey--Betty and I flew over Bulgaria enroute. Next time we would like to see Bulgaria. This year there was just not enough time. (I spoke in Turkey about the Black Sea!)

All the best to you and Elisaveta!

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

Hunt Institute for Botanical Documentation

3 March, 1981

Dr. Mariana Filipova
Natural Sciences Museum
9000 Varna
Bulgaria

Dear Mariana:

Your Christmas and NewYear?s card came today--forwarded from Penn State University. Betty and I have the fondest memories of our time with you last summer and wish you also all the best!

I have given a course here in Neogene palynology and am doing a little research on the Black Sea cores. Naturally, we are seeing a little of Switzerland.

All the best.

Yours very truly,

Alfred Traverse
Visiting Professor

AT/et

Hunt Institute for Botanical Documentation

United States Department of the Interior
GEOLOGICAL SURVEY
Denver Federal Center
Denver, Colorado 80225

IN REPLY REFER TO:

November 2, 1971

Dr. Alfred Traverse
Deike Bldg.
Pennsylvania State University
University Park, Pa. 16802

Dear Dr. Traverse:

Your letter of October 6 arrived the day I left for the field in New Mexico. In the course of my stratigraphic studies in West Texas and eastern New Mexico, I have collected samples of Triassic shales for their possible fossil pollen content and have transmitted them to Richard A. Scott for study. He is here in Denver at the same address as mine and perhaps you may wish to contact him about his progress and plans.

Sincerely yours,

Warren I. Finch, Geologist
Branch of Rocky Mountain
Mineral Resources

cc:
R. A. Scott

Hunt Institute for Botanical Documentation

October 6, 1971

Dr. Warren Finch
U.S. Geological Survey
Federal Center
Denver, Colorado 80225

Dear Dr. Finch:

I just heard from my friend, Gus Eifler, at the University of Texas that you have been working on the Triassic of Texas. I have a student who is working with me on a project which I began when I was at Texas some years ago on paleontology of the Dockum group. We have found this rather challenging because, as you probably know, red beds are not usually very productive for palynology. However, we have succeeded in finding several localities where there is carbonaceous shale (even lignites), and these are quite productive for our work. All of our good localities so far are in the fairly close vicinity of Amarillo. I'm wondering, of course, if you have in the course of your work come across similiar finds and, if so, if you would be willing to share the information with us.

Looking forward to hearing from you, and hoping that you may be able to help us, I am

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT/kai

Hunt Institute for Botanical Documentation

Delivered-To: traverse@ems.psu.edu
From: Mags12345@aol.com
Date: Fri, 20 Nov 1998 02:51:31 EST
To: traverse@ems.psu.edu
Subject: Reference
X-Mailer: AOL 3.0 for Windows 95 sub 52

Hello Dr. Traverse!

I have an excuse to get in touch with you and to let you know what is going on with me. As you know, I use you as a reference. I have interviewed for a summer position with a law firm, Kirkpatrick & Lockhart. Today, they requested my references and I am going to fax them tomorrow. I know that they will get in touch with you and I just wanted to give you a heads up if I could (I know it is not much notice, if you get this at all before they contact you). Also, I wanted to check the number I have for you, I don't think it is accurate. The number I have is (814) 863-3419.

A little about the firm - it is a branch office of a large office with its main office in Pittsburgh. The satellite office here in Harrisburg has about 15-25 attorneys. The job entails researching and writing for the summer of 1999.

A little about school - school up to now has been going quite well. I finished last semester number one in my class. We'll see what this semester holds - it is soo tough. I worked part time for a firm in Linglestown, about 10 hours a week, during the first part of this semester. I took the month of November off to study for finals, which actually begin in 2 weeks.

At any rate, if you get this after they contact you, I would still like to hear some news from you.

I look forward to hearing from you,
Maggie

Finkelstein

Hunt Institute for Botanical Documentation

From: Mags12345 <Mags12345@aol.com>
Return-path: <Mags12345@aol.com>
To: traverse@ems.psu.edu
Date: Sun, 1 Mar 1998 11:53:26 EST
Subject: Hello!
Message-ID: <86ec132d.34f99288@aol.com>
X-Status: Read
X-Mailer: AOL 3.0 for Windows 95 sub 52

Hello,
Dr. Traverse, it has been a while since I have been in touch. I hope that this does get to you since it has been a year since you gave me your e-mail address. I know that you had said that you were going to retire soon. I wanted to let you know how my first semester in law school went. It was very time consuming but also very interesting. I had four courses: Civil Procedure, Legal Methods/Analysis I, Criminal Law and Torts. I ended up with 3.500/4.00 with 2 A's and 2 B's. I am very happy with how I did and hope I can maintain that this semester. This semester is much harder for me though. I have Contracts, Legal Methods/Analysis II, Property, and Administrative Law.

Right now, I am off for a week for spring break. It is not much of a break though because I am going to study, work on outlines for my courses, and research for a paper I have due at the end of the month.

I hope that you are doing well and look forward to hearing from you. I now have e-mail and I can be reached at mags12345@AOL.com or maggie.m.finkelstein@law.widener.edu, if you like. I do check both addresses regularly except when school is not in session I do not check my school e-mail.

Maggie Finkelstein

Hunt Institute for Botanical Documentation

To: mags12345@aol.com
From: traverse@ems.psu.edu (Alfred Traverse)
Subject: contact!
Cc:
Bcc:
X-Attachments:

Dear Maggie:

How nice to hear! You were one of those bright episodes in my teaching career that brightened the whole experience.

Glad to know that you did so well in law school. Not much of a surprise.

I retired officially in summer, 1995. However, part of the agreement was that I could continue to give my courses if I liked, and I did in 1996. However, the palynology class that year was the WORST by far in history--they mostly didn't do ANY lab work until the very last minute. It was no fun, so I hung it up.

Now I continue to do research and publish papers. However, I will fairly soon lose most of my space here (I've already lost two rooms)--so we are having an office added onto our house at home, where I can continue my work.

Betty and I are also enjoying life a lot. We bought a small but very nice condo in State College, where we crash when we don't want to drive through snow, etc., to get home. We are just back from two months in Florida--we rented a place in Clearwater. The bad tornado just missed us. We started down there with the Citrus Bowl, and finished with the Big Ten Women's basketball tournament, on the way home. In the last twelve months we have also had three weeks in Italy, three weeks in Germany, three weeks in the Pacific NW. Etc.

It would always be nice to see you here--but be sure to call first because we are a "moving target."

Cordially. Alfred (what I'd like you to call me now)

Hunt Institute for Botanical Documentation

File: Finnish

14 January, 1981

Dr. Ritva Kupias
Kasvitieteen Osasto
Turun Yliopisto
20500 Turku 50
Finland

Dear Dr. Kupias:

Thank you so much for the very kind letter of recent date, and for the batch of Pollen Bulletins. I am going to be here until about 15 May, and out of my USA office for some further time this year--for example, at the International Botanical Congress, Sydney. I guess the best thing to do would be for me to defer placing an order until I get back home and can do it thoough regular channels. This will probably be about 1 September, 1981. I have marked your letter in such a way that I shouldn't forget!

Very best wishes.

Yours very truly,

Alfred Traverse
Visiting Professor

AT/et

Hunt Institute for Botanical Documentation

KASVITIETEEN OSASTO
BIOLOGIAN LAITOS
TURUN YLIOPISTO
20500 TURKU 50

ca Jan. 10.80

Professor Alfred Traverse
Technische Hochschule Zürich
Geologisches Institut
CH-8006 Zürich
Sonneggstrasse 5
Switzerland

Dear Professor Traverse,

My cordial thanks for paying attention to our Finnish Pollen Bulletin. I now enclose Vol. 5 and add you to our subscription list, but will you, please, be so kind and forward me your address in 1981 from March on (we are planning to begin publishing our Pollen Bulletin at that time).

Yours sincerely
Ritva Kupias
Ritva Kupias
Finnish Aerobiology Group

Price of subscription, 1981 $ 20.00
Payable to: pgiro SF account number Tu 529 - 553 - 5

Hunt Institute for Botanical Documentation

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

11 January, 1990

Catherine Fischer
Av. du Premier-Mars 4
CH-2000 Neuchatel
Switzerland

Dear Ms. Fischer:

I am sorry that it has taken so long to get to your interesting letter of 9 December, which arrived here during the Christmas holidays. Since then I have either been out of town or 100% preoccupied with the start of our new semester.

From what you tell me, I think that several aspects of palynology would be very interesting to you--those having to do with use of pollen studies vis á vis present and recent past distribution of vegetation. My own work has to do primarily with much older stuff. (Browsing through my textbook, which your library should have, will give you an idea of what I do: Traverse, Alfred. Paleopalynology. London: Unwin Hyman, 1988; ISBN 0-04-561001-0 and ISBN 0-04-561002-9 pbk.) Besides, I am affiliated with a geosciences department.

I think you might consider working with the group at Brown University (Dr. Thompson Webb III, Dept. of Geological Sciences, Brown Univ., Providence, RI 02912-1846, and associates), or the group at Tennessee (Dr. Hazel Delcourt, Dept. of Botany, and Dr. Paul Delcourt, Dept of Geological Sciences, Univ. of Tennessee, Knoxville, TN 37996-1410), or the group at Texas A&M Univ. (Dr. Vaughn M. Bryant, Jr., Dept. of Anthropology, Texas A&M Univ., College Station, TX 77843, and associates), or the group at Minnesota (Dr. H.E. Wright, Limnological Research Center, Univ. of Minnesota, Minneapolis, MN 55455, and associates). Presumably if you apply to do graduate work at one of those places, and they are interested in having you, you'll get financial support.

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Incidentally, I think you should talk with Dr. Brigitte Ammann (Bot. Inst. Uni., Altenbergrain 21, CH-3013 Bern), whose work is along the lines I have in mind for you. There are, for example, a number of outstanding places in France that Dr. Ammann can tell you about.

All the best to you.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

Hunt Institute for Botanical Documentation

Catherine Fischer
Av. du Premier-Mars 4
CH- 2000 Neuchâtel
Suisse

9th December, 1989

Dr Alfred Traverse
Palynological Laboratories
435 Deike Building
University Park
PA 16802
USA

Dear Sir,

I have just finished reading the reprints you sent my father and found them most interesting. I am only sorry I did not know of your talk in Bern. I had already realised during my thesis work in bacterial taxonomy, that bacterial phylogeny obeyed somewhat different rules from eucaryotic phylogeny, but had never thought of distinguishing plants from animals. It is true that when the word "evolution" is mentioned, it usually implies "animal evolution".

Maybe my father told you he had a daughter who was a biologist. I am at present teaching, as well as working in environmental education. But after one and a half years of teaching, I am thinking of going back to University. Since starting biology, I have always been attracted by two very different fields: ecology and nature conservation, and the problems surrounding the theory

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of evolution. As I was never able to follow any course directly related to this field, my knowledge is rather sketchy, and comes mainly from various books I have read. Would there be any possibilities of my coming to the U.S. to study for a year (maybe for a master's degree)? I would be very grateful if you could suggest some colleagues in your field I could write to, and maybe give me some information about the research done in your laboratory.

Thanking you for your kindness, I remain,

Yours sincerely

C. Fischer.

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RÉPUBLIQUE ET CANTON
DE NEUCHATEL

OBSERVATOIRE CANTONAL

Phone: (41) (038) 24 18 61
or 24 18 62

Fax: (41) (038) 24 59 41

Neuchâtel, November 9, 1989

Dr. Alfred Traverse
Dpt. of Geosciences
435 Deike Building

University Park, PA 16802/USA

Dear Dr. Traverse,

Thank you for your kind letter of November 1st, 1989. Yes, I was slightly surprised not to have heard from you, but then I thought you had perhaps had too many requests or perhaps lost some of the papers you had collected along your trip. I was not worried because I had your address and thought I would send you a copy of the brochures on the climate once I got them and then remind you of our conversation. What happened to you in New York is quite frightening. I am glad to hear you got away unharmed and, of course, was glad also this incident did not hapoen to you in Switzerland. It could happen here too, but is probably much less common than in a big city like New York.

When I spoke of you to my daughter Catherine she seemed very interested, so I have sent her a copy of your letter and the material you have enclosed. I leave it up to her now to get in touch with you if she is interested, which I believe she still is.

With my best wishes.

Yours sincerely,

Gaston FISCHER
Observatoire Cantonal
CH-2000 Neuchâtel-Suisse

Address: Observatoire Cantonal de Neuchâtel, CH-2000 NEUCHÂTEL / Switzerland

Hunt Institute for Botanical Documentation

THE PENNSYLVANIA STATE UNIVERSITY
DEIKE BUILDING
UNIVERSITY PARK, PENNSYLVANIA 16802

College of Earth and Mineral Sciences
Department of Geosciences
Palynological Laboratories

Area Code 814
865-6543
865-2342

April 30, 1976

Dr. Donald W. Fisher
State Paleontologist
Geological Survey
New York State Museum and Science Services
Albany, NY 12224

Dear Don:

Thank you so much for your prompt attention to the Schuchert Award problem. We can now flash off a letter to Ellis with the news about our "awardee". I will also get to work on the revision of the guidelines from your and Rep's suggestions and will get that back to you for final approval. I really think we have done the right thing, and I must say it takes a big load off of my mind! Best wishes.

Yours very truly,

Alfred Traverse
Professor of Palynology

P.S. Rep also noticed the fact that Nassichuk is too old, a circumstance that escaped my attention because I hadn't read the fine print.

AT:et

Hunt Institute for Botanical Documentation

February 6, 1976

Dr. Donald W. Fisher
State Paleontologist
New York State Museum and Science Service
Albany, NY 12234

Dear Don:

Thanks for yours of 26 January and the news that some candidates for the Schuchert Award may be forthcoming from your corner of the country! I do hope you have received the xerox of the PS constitution section dealing with the Award. I had a note to myself to send it to you and think that it got taken care of, but everything is so hectic here lately that it could have been overlooked. If you don't receive it within a few days, please drop me a postcard or something to refresh my mind on the subject! Best wishes.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT:jb

Hunt Institute for Botanical Documentation

THE PENNSYLVANIA STATE UNIVERSITY

INTER-OFFICE CORRESPONDENCE

Date: July 11, 1972

From: Fran Fisher

To: Alfred Traverse

As you know, your interview on the WPSX-TV program, "The State of the Weather, The Shape of the World," was audio taped for possible use on the PENN STATE RADIO series, "The Sound of Progress". I have incorporated your observations into a "Sound of Progress" program.

Enclosed you will find some general information about PENN STATE RADIO, plus a rundown sheet listing the approximate date your program will be aired. Currently there are 61 Pennsylvania radio stations carrying "The Sound of Progress". Here in State College, WMAJ Radio carries the program in its noon News Block at approximately 12:20. The program is also programmed on WPSX-TV at 11:00 PM, Monday through Friday.

Thank you again for your cooperation. If we at PENN STATE RADIO can be of future service, don't hesitate to contact us.

Hunt Institute for Botanical Documentation

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

1 November, 1989

Dr. Gaston Fischer
Observatoire Cantonal
CH-2000 Neuchâtel-Suisse

Dear Dr. Fischer:

It was so good to hear from you and to receive a copy of your "Le climat moyen...." Unfortunately, my French is minimal, but I can grasp the main ideas without too much trouble.

Of course, I remember our conversation in Bern! I wish, however, I would get more letters from people to whom I promised to send things or for whom I promised to do things in the course of that trip. The reason is that my wife and I were victimized ("mugged") by a robber on the very last leg of our journey on 1 June in New York City (we were not physically harmed), and among the things of which I was relieved (it was in my briefcase) was my little notebook with all notes to do or send things.

I enclose a few reprints, etc., of the sort you request.

Regarding your daughter, I suspect from what you say that palynology would be too lab-oriented for her tastes. It sounds as if she would be happier in, for example, the related field of megafossil paleobotany. If that is the case, I could suggest several colleagues in the U.S. who would be delighted to have her. On the other hand, we have a program in "Earth System Science" here where she might be happy. I guess I would need at this point to hear from her, to be helpful.

Best wishes.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

Hunt Institute for Botanical Documentation

July 25, 1988

Dr. J.C. Fisher
Supervisory Hydrogeologist
Water Resources Division
U.S. Geological Survey
2320 La Branch St., Rm. 1112
Houston, TX 77004-1009

Dear Dr. Fisher:

It is possible that I never acknowledged your very helpful letter of 27 June, and the data it included. I may need a little more help later, but for the present this is what I wanted. Many thanks!

Yours very truly,

Alfred Traverse
Professor of Palynology

/jb

Hunt Institute for Botanical Documentation

1 November, 1983

Dr. Michael J. Fisher
British National Oil Corp.
150 St. Vincent St.
Glasgow G2 5LJ, U.K.

Dear Michael:

Thanks for the clarification--it's a great addition to my store of anecdotes. (The ammunition boxes are a splendid addendum to my farm, by the way.) Your letter does add to the info on geography--I had assumed UK-North Sea but couldn't prove it. We are grateful to you--I have the Kimmeridgian covered!

If you ever have some early Cretaceous stuff--say Barremian-Albian, I would really like that. But it's not necessary to send more than say, a shoebox of 200 g. samples.

Best regards. That's marvellous territory where you live.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

Hunt Institute for Botanical Documentation

Britoil

Britoil plc, 150 St. Vincent Street, Glasgow G2 5LJ
Telephone 041-204 2566
Telex 776268

MJF/LJI

19th October, 1983

A. Traverse, Esq.,
Professor of Palynology,
The Pennsylvania State University,
College of Earth & Mineral Sciences,
Deike Building,
University Park,
PENNSYLVANIA. 16802

Dear Al,

The mysterious boxes were despatched to you in answer to your long-standing request for some Upper Jurassic reference material. I have since moved out of the Stratigraphic Laboratory and left strict instructions that all outstanding "when you have time" jobs were completed. Someone, in a surfeit of zeal, obviously sent you everything that we had available. The result is that you are the proud recipient of many kilos of Kimmeridgian Shale.

The samples have been encoded to remove any indication of location/depth, etc. This means that you can use the samples with impunity either in Penn. State, or in exchange for material with other Institutions. The only geological information attached to the samples is: Kimmeridge Clay Formation - UK Sector Northern North Sea. The samples are all ditch cuttings so there is some "mixing" in bags already. All of the samples should yield rich organic residues and would be suitable for any palynological, organic petrographic or geochemical study you can devise.

I hope that this has solved the mystery and I hope that the samples will be of use to you and your colleagues.

With Best Wishes.

Michael

M.J. Fisher

Registered No. 77750 Scotland. Registered Office: 150 St. Vincent Street, Glasgow G2 5LJ

Hunt Institute for Botanical Documentation

5 October, 1983

Dr. Michael J. Fisher
British National Oil Corp.
150 St. Vincent St.
Glasgow, Scotland G2 5LJ

Dear Michael:

Several weeks ago eight (8!) largish ammunition boxes of samples arrived on our loading dock marked for me. One of the boxes contained the shipping info of which the enclosed is a xerox copy. Apparently you arranged this? I kept thinking a letter of explanation would come, but none has, so I'm writing to ask what this is about. It would appear that the whole lot is Kimmeridgian, but no information on locality (U.K.?) or depth is provided. We do have some locules (especially Permian and Lower Cretaceous) in our general teaching collections, but Jurassic isn't one of them, thanks largely to your largesse of some years ago when you were still with Robertson! In any event, we're talking of two large wheelbarrow loads of this stuff! Did you have a special idea in mind, or what? There's enough for every palynological lab in North America to have 10 g. from each bag.

Hope you and your family are flourishing. All the best from here.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et
encl

Hunt Institute for Botanical Documentation

Britoil

Britoil plc, 150 St. Vincent Street, Glasgow G2 5LJ
Telephone 041-204 2525
Telex 777633

file as corresp.

TO: Prof. A. Traverse, Dept. of Geosciences, Pennsylvania State University, 435, Deike Building, University Park, PA 16802, USA.

FROM: Britoil plc., Stratigraphic Laboratory, 220, St. Vincent St., Glasgow, United Kingdom.

DATE: 5th August 1983

WELL NUMBER: ---------

SAMPLE TYPE: Kimmeridgian (Sensu Lato) Drill Cuttings

DETAILS:

WELL A	Box No.	1	samples A 1 - A 35
		2	samples A 36 - A 92
		3	samples A 93 - A154
		4	samples A155 - A187
WELL B	Box No.	1	samples B 1 - B 49
		2	samples B 50 - B104
		3	samples B105 - B159
		4	samples B160 - B192

AS ARRANGED WITH MR. M. FISHER.

COMMENTS:

Please acknowledge receipt of samples by signing the attached copy of this transmittal form.

Return it to BRITOIL plc., STRAT. LAB., Attention Ian Ramsay.

Name: ..... Date: .....
(Block Capitals)

Signature: .....

Hunt Institute for Botanical Documentation

Registered No. 77750 Scotland Registered Office: 150 St. Vincent Street, Glasgow G2 5LJ

Hunt Institute for Botanical Documentation

TALLY

DATE 8/15/83 HB TIR

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DEPT OF GEOSCIENCES
435 DEIKE BLDG
UNIVERSITY PARK PA 16802

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Tri R. Foster Corp.

Britoil

Britoil plc, 150 St. Vincent Street, Glasgow G2 5LJ
Telephone 041-204 2525
Telex 777633 & 779825

14th February 1983

Professor A. Traverse,
The Pennsylvania State University,
Department of Geosciences,
University Park,
Pennsylvania 16802,
U.S.A.

Dear Al,

Many thanks for sending the copy of your reprint entitled "The Upper Triassic Fern *Phlebopteris smithii* (Daugherty) Arnold and its Spores", which I recently received.

I hear from Bob that you had a constructive visit to Germany.

All best wishes,

Richard.

M.J. Fisher

Hunt Institute for Botanical Documentation

From
MICHAEL FISHER ..16..XI..1982..

to .....

Dear Al,

I am enclosing a copy of the Fisher & Dumay paper that you requested. Since Cambridge I have been looking at the Rhaetian : Norian problem & by Calgary 1984 should be in a position to present part II which should help to rationalise the correlation problems in Europe.

I have not forgotten that I promised to send you some Kimmeridge Clay samples: unfortunately no suitable samples have become available. When they do they will be sent to you directly.

All best wishes,

Michael

Hunt Institute for Botanical Documentation

24 March, 1978

Dr. Michael Fisher
British National Oil Corp.
150 St. Vincent St.
Glasgow G2 5LJ, United Kingdom

Dear Michael:

Thank you for yours of 16 March. It is interesting to hear of your new work. Yes, I do know Gunter Dörhöfer quite well especially from my last visit to Toronto in July of 1977. I have a very high opinion of the quality of his work, and I personally find him a very agreeable fellow. He is quite independent, and I gather from Geoff Norris that some of the people at Toronto found him a little stand-offish. I have no doubt at all I could work with him, and Geoff said that he had no difficulties at all. Gunter has a very attractive family, and all in all seems to me to have very much to commend him as a member of your "small, integrated team". I don't think he would respond well to being ground under anybody's heel, but presumably you don't have that sort of thing in mind. He is ambitious, hard-working and imaginative. It seems to me he's the very sort of person who is worth working with, and in the long run it's better for your outfit than some very easy to get along with guy with no ideas. I'm sure that he would be an easier man to supervise than BC, and George Fournier tells me that their relationship is going along very well. I don't know how helpful all of this is, but undoubtedly it leaves you with the impression that I think Dörhöfer is a good guy and that you would be smart to get him. It would be important to have an understanding early on of exactly how things are going to go.

As far as some sort of a co-authorship with Cornet is concerned for your interesting sounding project on Triassic correlation, I believe I couldn't speak for Bruce. You will have to write him. I get the impression that you may not realize that he got his degree some time ago and is working for Gulf in Houston. His current address is: Gulf Oil Tech. Services Center, P.O. Box 36506, Houston, TX 77036.

Best wishes to you, old friend.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

Hunt Institute for Botanical Documentation

The British National Oil Corporation
150 St. Vincent Street Glasgow G2 5LJ 041-204 2525 Telex 777633

Prof. A. Traverse
Department of Geosciences
529 Deike Building
Pennsylvania State University
University Park
Pennsylvania 16802
U.S.A.

16th March 1978

Dear Al,

I trust all is well with yourself and your family. We have settled fairly easily into our new house and are hoping that we manage to remain here until at least the children are all established at school.

BNOC are expanding rapidly and we are now finalizing plans for our Stratigraphic Laboratory. Initially we will appoint a small team comprising a palynologist, a micropalaeontologist, a sedimentologist and a geochemist, all with appropriate technical support staff, and a number of non-specialized geologists. In the next year we will expand to double that complement, with an ultimate aim of a staff of 36 in three years time. The workload will be the conventional mixture of urgent service analyses concurrent with longer-term interdiciplinary research/development projects.

In this context we had a visit from Gunter Dörhöfer who is interested in joining us as a palynologist. He named yourself as a referee and I would be grateful if you could advise us on his abilities. In particular, I would be most interested in your opinion on how you feel he would adapt to working in a small, integrated team of specialist and non-specialists and especially how you would anticipate his performance under the pressures that might reasonably be expected to arise.

How is your research progressing with Bruce ? Bob Dunay and I are slowly churning out our thoughts on the Triassic and contemplate producing a regional (trans-Atlantic) correlation of the late Triassic based on our new data. Do you think that Bruce would be interested in a co-authorship ? I look forward to hearing from you on both counts.

All best wishes.

Yours sincerely

Michael.

M. J. Fisher

Hunt Institute for Botanical Documentation

October 14, 1974

Dr. Michael Fisher
Robertson Research Co., Ltd.
"Tyn-y-Coed"
Llanrhose Llandudno
North Wales, U.K.

Dear Michael:

Thanks for yours of 30 Sept. I am indeed sorry that you got such an acrid letter from Bruce. I was shown a xerox copy of the letter, and told Bruce I thought the tone was unfortunate--however, I have no real control over what he does and says, as you doubtless perceive. The letter was in no way official nor should he have included me in "we" by implication. He simply takes our letterhead for his correspondence. It is true that I was miffed by Bob's failure to acknowledge me and my project (and hence, NSF)--that hurt because such is the stuff of which my bread and butter is made. However, I told Bob what I thought; he has apologized, and all is well between us, I hope. In all probability the fact that Bruce knew I was very annoyed by the non-acknowledgement gave him more courage to writeeyou. For that, I am sorry. I should have kept more of a check rein on him, I suppose, and I'm sorry I didn't. But please don't blame me or PSU for Bruce's acerbity. And, by all means, let's be friends--long after B.C.! The business of having the letter notarized startles me--he said he was going to do that, but I ghought he was "just kidding". My general counsel for you is to be as "cool" as possible about the whole thing. Bruce is a very able person in many ways, and I only pray that the world can tolerate him enough to make it possible for him to do his wurk.

Yes, we were very happy to have the photographs for study and (in part) copying. We also greatly appreciated your visit here in the spring. I do look forward to the samples you mentioned both in this letter and in an earlier one. (The samples still haven't arrived. When they do, I'll write immedáátely. As you can imagine, my attitude now is to believe they're here when they come in the door!) Any such materials or slides should be directed to me, not Bruce, of course, because they should be part of the permanent reference

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collection. It is important, as I've said before, for the health of the palynological laboratories, and hence for future students that these collections to be built up and maintained. (I didn't get too much help from ol' Bob in that direction!)

Regards and best wishes!

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/vsi

Hunt Institute for Botanical Documentation

'TY'N-Y-COED'
LLANRHOS
LLANDUDNO
NORTH WALES

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ROBERTSON RESEARCH INTERNATIONAL LIMITED

DIRECTORS: J. C. ROBERTSON, D.L. DR. W. F. ROBERTSON DR. R. H. CUMMINGS DR. W. W. BROWN D. GAUNT

30th September 1974.

Professor A. Traverse,
The Pennsylvania State University,
Deike Building,
University Park,
Pennsylvania 16802,
U.S.A.

Dear Al,

Many thanks for your recent letters and for the colour slides, all of which were returned intact late last week and today. I hope they were of use to you and your department and that your department's exposure to another Triassic palynologist wasn't too traumatic.

To more serious matters. I am enclosing a copy of a letter which I received from Bruce Cornet. I must say that I was somewhat startled by the tone of the letter especially as I thought we had clarified all the points that he raised in Bob's communication of February this year. I don't know whether you were aware of the contents of this letter prior to receiving this copy or was this communication officially sanctioned? There are, however, one or two points which I would like to discuss with you as I find them particularly disturbing. Bruce comments in Para 5 that he feels that I am considerably in your "collective" debt; I understand that it must have been particularly galling to have your Triassic samples removed by Bob Dunay but I would have thought that my recent consignment of samples, coupled with my visit and loan of part of my photographic collection would have been compensation, in part at least, for the services rendered by Penn State.* A propos of our conversation regarding Bruce in Calgary of this year, I must admit, albeit reluctantly, that you were accurate in your assessment. I am completely at a loss as to how to handle this situation, apart from the obvious irate over reaction, and await your comments.

I am sorry that Bob omitted to acknowledge the assistance received from you and your department, I cannot imagine that this was intentional on his part.

With best wishes,

Yours sincerely,

Michael.

*As far as Bruce is concerned that is.

MJF/EWH.

M. J. FISHER

Hunt Institute for Botanical Documentation

THE PENNSYLVANIA STATE UNIVERSITY
DEIKE BUILDING
UNIVERSITY PARK, PENNSYLVANIA 16802

College of Earth and Mineral Sciences
Department of Geosciences
Palynological Laboratories

Area Code 814
865-6543
865-2342

September 12, 1974

Dr. Michael J. Fisher
'TY'N-Y-COED'
Llanrhos
Llandudno
North Wales

Dear Dr. Fisher:

Your recent paper with Dunay wasn't as much of a surprise as it was a disappointment. You stated in your letter of 12 February that Dunay and you would give due acknowledgement. Neither Dr. Traverse nor his grant which supported Dunay's work on the Dockum Group were included in the acknowlegements. Furthermore, no consideration was given to the form of my name that I wish to use in print. In fact, the form of my name you used should have included the "Jr.". This misunderstanding undoubtedly arose due to the fact that you never informed me that the paper would go into such detail on the Newark Group material which I sent you, nor even asked for my permission to use that material in print. Had you asked me, I would probably have said yes, and also have requested at that time that you use my abbreviated name, Bruce Cornet.

Neither Dunay nor you have been completely open with me, usually feeding me just enough information to keep me on a string, as it were. You have promissed to provide me with slides on several occasions, but have consistently fallen short of ever sending them. Couple this fact with your recent publication, and I would have just reason for calling you untrustworthy.

Hunt Institute for Botanical Documentation

Had you been more open with me, you might not have made some of the mistakes in your paper that are obvious to me: The correct name for the stratigraphic unit in the Richmond Basin is Vinita Beds. I do not believe that this unit has formally been raised to formational status.

Considering that you now possess rock samples from some of my most important localities in the Newark Group, I will have to regard this potential information you now have as privileged information, not intended for publication by you, Dunay, or anyone else without my expressed written consent. Any breach of this trust will result in prompt legal action. I have therefore taken necessary precaution by having this letter notarized. I will further expect that you will treat any additional information or samples, slides, or residues in a similar manner, should I ever send you more material.

Any further exchange of information will strongly depend on whether or not you fulfill your intention to send us microscope slides, residues, or rock samples from the English Rhaeto-Liassic. We feel that your debt to us for what I have provided you should be removed as soon as possible. Your photographic slides will be returned shortly. I would not stoop so low as to use them as collateral, even though they are probably of little value to you.

In your letter of 13 June you stated that you examined microscope slides from well Amoco I.O.E. Murre G-67. Would you care to share with us information about the Triassic-Jurassic boundary, because I doubt that I will be able to journey to Dartmouth, N.S.?

Your paper in Review of Palaeobotany and Palynology is an important contribution and well written.

Sincerely,

W. Bruce Cornet, Jr.

W. Bruce Cornet, Jr. personally appeared before me this 7th day of September 1979 signing this in my presence. Sheryl A. Peck

SHERYL A. PECK Notary Public State of New York Qualified in Suffolk County No. 4700000 Commission Expires October 31, 1979

Hunt Institute for Botanical Documentation

LLANDUDNO
NORTH WALES

TELEPHONE DEGANWY 81811
CABLES RESEARCH LLANDUDNO
TELEX 61216

ROBERTSON RESEARCH INTERNATIONAL LIMITED

DIRECTORS: J. C. ROBERTSON, D.L. DR. W. F. ROBERTSON DR. R. H. CUMMINGS DR. W. W. BROWN D. GAUNT

30th September 1974.

Mr. W. Bruce Cornet Jr.,
The Pennsylvania State University,
Deike Building,
University Park,
Pennsylvania 16802,
U.S.A.

Dear Bruce,

I am in receipt of your letter of the 12th September and am quite frankly completely bemused by your reaction to our paper. I understood from Bob that he had clarified all the points you had raised in his letter of February this year. I fairly assumed that you were aware of the contents of the paper read at Boussens last year and that you had no objection to its eventual publication. Reading through the paper I cannot understand how you can object to the acknowledgement given to you by Bob which appears to be perfectly adequate.

I am afraid I am not at liberty to divulge any information regarding the Amoco IOE Murre G-67 Well as this information is confidential to our laboratories. I can only suggest that you arrange access to the slides at Dartmouth with the G.S.C.

My photographic collection arrived intact for which many thanks, I hope they were of some use to you.

I am sorry I cannot sympathise with your sentiment regarding what you consider to be our cavalier use of your material but have written to Bob Dunay for copies of the letters which he sent to you, and which he assures me left no doubt as to his attitude towards publication of this material.

Yours sincerely,

Michael.

M. J. FISHER

MJF/EWH.

Hunt Institute for Botanical Documentation

September 19, 1974

Dr. Michael Fisher
Robertson Research Ltd.
"Tyn-y-Coed"
Llanrhose Llandudno
North Wales, U.K.

Dear Michael:

As luck would have it, I was actually in the process of getting your color slides shipped back to you when yours to Bruce about them came today. It took our photo dept. a while to get to it. I had two sets of copies made--one for Bruce, one for the collections here.

In shipping the slides, I have packed the 2x2, paper-mounted slides in one box and sent them airmail--no problem. The glass 3 1/4x4 slides are another story. I have great fear for their safety. My first idea was to put packing between each slide. However, I decided instead to pack them very tightly together--as if a block of glass--and have packed the block in the center of a styrofoam pellet mass. Please let me know when they arrive how they looked. And thanks very much for the use of the slides. It sure cost a fortune!

I have had a minor flap with Dunay about the acknowledgment section of your recent paper in RPP, but we are still friends, I hope. I thought it was rather poor not to mention that the Dockum-Chinle part of the paper grew mostly out of my NSF-funded project, and Figure 2 consisted of localities I developed through contacts in the SW, etc.

Hope to see you in Calgary.

As ever,

Alfred Traverse
Professor of Palynology

AT/vsi
cc B. Cornet

Hunt Institute for Botanical Documentation

THE PENNSYLVANIA STATE UNIVERSITY
DEIKE BUILDING
UNIVERSITY PARK, PENNSYLVANIA 16802

College of Earth and Mineral Sciences
Department of Geosciences
Palynological Laboratories

Area Code 814
865-6543
865-2342

September 12, 1974

Dr. Michael J. Fisher
'TY'N-Y-COED'
Llanrhos
Llandudno
North Wales

Dear Dr. Fisher:

Your recent paper with Dunay wasn't as much of a surprise as it was a disappointment. You stated in your letter of 12 February that Dunay and you would give due acknowledgement. Dr. Traverse nor his grant which supported Dunay's work on the Dockum Group were included in the acknowlegements. Furthermore, no consideration was given to the form of my name that I wish to use in print. In fact, the form of my name you used should have included the "Jr.". This misunderstanding undoubtedly arose due to the fact that you never informed me that the paper would go into such detail on the Newark Group material which I sent you, nor even asked for my permission to use that material in print. Had you asked me, I would probably have said yes, and also have requested at that time that you use my abbreviated name, Bruce Cornet.

Dunay nor you have been completely open with me, usually feeding me just enough information to keep me on a string, as it were. You have promissed to provide me with slides on several occasions, but have consistently fallen short of ever sending them. Couple this fact with your recent publication, and I would have just reason for calling you untrustworthy.

Hunt Institute for Botanical Documentation

Had you been more open with me, you might not have made some of the mistakes in your paper that are obvious to me: The correct name for the stratigraphic unit in the Richmond Basin is Vinita Beds. I do not believe that this unit has formally been raised to formational status.

Considering that you now possess ROCK samples from some of my most important localities in the Newark Group, I will have to regard this potential information you now have as privileged information, not intended for publication by you, Dunay, or anyone else without my expressed written consent. Any breach of this trust will result in prompt legal action. I have therefore taken necessary precaution by having this letter notarized. I will further expect that you will treat any additional information or samples, slides, or residues in a similar manner, should I ever send you more material.

Any further exchange of information will strongly depend on whether or not you fulfill your intention to send us MICROSCOPE slides, residues, or rock samples from the English Rhaeto-Liassic. We feel that your debt to us for what I have provided you should be removed as soon as possible. Your PHOTOGRAPHIC slides will be returned shortly. I would not stoop so low as to use them as collateral, even though they are probably of little value to you.

In your letter of 13 June you stated that you examined MICROSCOPE slides from well Amoco I.O.E. Murre G-67. Would you care to share with us information about the Triassic-Jurassic boundary, because I doubt that I will be able to journey to Dartmouth, N.S.?

Your paper in Review of Palaeobotany and Palynology is an important contribution and well written.

Sincerely,

Bruce

W. Bruce Cornet, Jr.

Hunt Institute for Botanical Documentation

THE PENNSYLVANIA STATE UNIVERSITY
DEIKE BUILDING
UNIVERSITY PARK, PENNSYLVANIA 16802

College of Earth and Mineral Sciences
Department of Geosciences
Palynological Laboratories

Area Code 814
865-6543
865-2342

August 9, 1974

Dr. M.J. Fisher
Robertson Research International Ltd.
Ty'N-Y-Coed,
Llanrhos Llandudno, North Wales
United Kingdom

Dear Michael:

Thank you for your nice letter of 11 July, which was most welcomed. Actually, the thanks are more on our side, as you helped us greatly in exposing graduate and undergraduate students alike to somebody in palynology other than Traverse.

Glad to hear that you are in the process of getting settled. I certainly am grateful that my circumstances of life do not require such periodic unrootings.

I am delighted to hear that some samples which would be helpful to us in building the Triassic-Jurassic collections at Penn State are on their way from you. They still have not arrived and--because of previous slips between cup and lip--I will believe they have safely arrived only when they come in through the door!

Thank you again for coming, for the bottle of sherry, and for your company. Regards to Valerie. Hope we can see you again before too long. (Calgary in Oct.?)

Yours very truly,

Alfred Traverse
Professor of Palynology

AT:lsw

Hunt Institute for Botanical Documentation

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ROBERTSON RESEARCH INTERNATIONAL LIMITED

DIRECTORS: J. C. ROBERTSON, D.L. DR. W. F. ROBERTSON DR. R. H. CUMMINGS DR. W. W. BROWN D. GAUNT

11th July 1974.

Professor A. Traverse,
529 Deike Building,
Pennsylvania State University,
University Park,
Pennsylvania 16802,
U.S.A.

Dear Al,

A belated letter to thank you for your hospitality during out visit to Penn State. We really did enjoy ourselves very much and hope that the children did not disrupt Betty's day too much.

We had an uneventful and very enjoyable trip through New England and Adirondacks before we returned to Toronto. I think Val was very impressed and we shall try to arrange a vacation one year for her to see the Fall colours.

We are in the process of buying a house but of course the initial settling period is always rather chaotic and we have not yet resolved the difficulties of tranferring from the North American to the European life style.

The promised samples are in transit, I hope they will be an useful addition to your collection.

Once again many thanks and best wishes,

Yours sincerely,

Michael.

M. J. FISHER

MJF/EWH.

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13th June 1974.

Mr. W. Bruce Cornet Jr.,
The Pennsylvania State University,
Room 517,
Deike Building,
University Park,
Pennsylvania 16802,
U.S.A.

Dear Bruce,

I am* enclosing some samples from the European Liassic and hope that they will be of use to you. I also took the opportunity to examine any appropriate Canadian offshore wells whilst I was in Halifax. One well, Amoco I.O.E. Murre G-67 would appear to be worth your investigating. The Jurassic - Triassic boundary is at ± 9590' and there are plenty of side-wall cores in the vicinity. The slides are housed in the G.S.C. office on the Bedford Institute campus at Dartmouth and are not available for examination other than in the G.S.C. office.

It was a great pleasure meeting you in State College and I look forward to hearing of latest developments in your thesis.

Best wishes,

Michael. Fisher

MJF/EWH.

* Separate enclosure now.

Hunt Institute for Botanical Documentation

February 8, 1974

Dr. Michael Fisher
Robertson Research (N.S.) Ltd.
501 Cleveland Crescent, S.E.
Calgary, Alberta, Canada T2G 4R8

Dear Mike:

Thought you might be interested in a copy of the letter from Oldroyd if you had not already seen it. When you come, please don't forget to bring such representative Triassic, lower Jurassic slides as you could spare for our reference collection. I believe we have discussed this before.

Very best wishes from all of us and looking forward to seeing you, I am

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/vsi

P.S. The between-term break here is approximately from March 2-10. It would be preferable if your visit came at some other time so that there would be maximum possibility of contact with the students, but, of course, you are most welcome here anytime you wish to come.

Enclosures: copies of letters

Hunt Institute for Botanical Documentation

Files: M. Fisher

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TELEPHONE DEGANWY 81811
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DIRECTORS: J. C. ROBERTSON, D.L. DR. W. F. ROBERTSON DR. R. H. CUMMINGS DR. W. W. BROWN D. GAUNT

29th January 1974.

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

Dear Professor Traverse,

First of all please accept my apologies for the delay in writing to you in reply to your letter of the 10th December 1973. This delay was due to uncertain plans regarding Mr. Fisher's travel schedules.

However, it is likely that Mr. Fisher will be passing through Penn State sometime in February on his way back to the U.K. Once the precise timing of this visit has been confirmed I will let you know his plans.

Yours sincerely,

Robt W. L. Oldroyd.

R. W. L. OLDROYD

RWLO/EWH.

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Company registered in England, Number 972432.

Hunt Institute for Botanical Documentation

bcc Dr. M. Fisher

December 10, 1973

Dr. R.H. Cummings
Robertson Research Co., Ltd.
"Tyn-y-Coed"
Llanrhos, Llandudno
North Wales, United Kingdom

file

Dear Dr. Cummings:

During the recent meetings of the American Association of Stratigraphic Palynologists in Anaheim, California, Dr. Michael Fisher of your laboratory in Calgary, and I, discussed the possibility of his visiting our laboratory here at The Pennsylvania State University sometime in the fairly near future. Such a visit would be mutually advantageous.asAs you know, one of your personnel in Calgary (Bob Dunay) is a product of our laboratory, and Dr. Fisher and I have a mutual interest in his work and in related work of another graduate student who is now studying under my direction here. It would be very helpful to this student's work, to my general information about Triassic stratigraphy, and we might hope also would contribute to Dr. Fisher's general information as well. If you are in a position to recommend approval of such a visit by Dr. Fisher to our laboratories, it would naturally be greatly appreciated here.

With very best wishes for the holiday season, I am

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT/vsi

Hunt Institute for Botanical Documentation

December 3, 1973

Dr. Michael Fisher
Robertson Research Ltd.
501 Cleveland Crescent S.E.
Calgary, Alberta
Canada T2G 4R8

Dear Michael:

When we were both in Anaheim I know that I discussed with you very briefly the question of reference slides for various critical levels in the Triassic and Liassic which we should have if we are going to make any meaningful effort to square our finding with yours. I was pretty sure that we had no such slides from you but checked very carefully on return from California and find that I do not. I suspect that what you are thinking of are slides which you gave Dunay when he was part of our group. I do have slides from Pocock covering some of the same levels, but they run heavily to marine things. Anything you could provide in the way of a small reference set of slides from critical localities would, of course, be extremely useful to me and the students as part of our permanent collection.

Best wishes to you, your family, and other friends I may still have in Calgary!

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT/vsi

Hunt Institute for Botanical Documentation

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ROBERTSON RESEARCH (NORTH AMERICA) LIMITED
DIRECTORS: J. C. ROBERTSON, D.L. DR. R. H. CUMMINGS R. W. L. OLDROYD

July 18, 1973.

Professor A. Traverse,
Organic Sediments Laboratory,
517 Deike Building,
University Park, Pa., 16802,
U.S.A.

Dear Al:

Many thanks for the copy of George's incomparable contribution to palynology.

Dr. Cummings' address is as follows: Dr. R. H. Cummings,
Director,
Robertson Research International Ltd.,
'Ty'N-Y-Coed'
Llanrhos, Llandudno,
North Wales, U.K.

It was a great pleasure entertaining you in Calgary, and we look forward to repeating the experience.

Best wishes,

Michael.

M. J. Fisher.

MJF/ajc

Hunt Institute for Botanical Documentation

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ROBERTSON RESEARCH (NORTH AMERICA) LIMITED

DIRECTORS: J. C. ROBERTSON, D.L. DR. R. H. CUMMINGS R. W. L. OLDROYD

May 29, 1973.

Dr. W. Bruce Cornet, Jr.,
Room 517 Deike Building,
The Pennsylvania State University,
Department of Geosciences,
Palynological Laboratories,
University Park, Pennsylvania 16802,
U.S.A.

Dear Bruce:

Thank you for your letter: it was good to hear that your work is progressing smoothly. I think I can answer both your questions "off the cuff."

The reassignment of C. subgranulosus to Granulatisporites was a simple transfer and at the time I did not compare G. s. with G. asper. Subsequently I received topotype material of G. asper and now consider that both species are part of the same plexus although it would appear that the forms with thinner exine are more common in (?) autochthonous swamp floras. I am not certain that either form is age-diagnostic.

It would appear that the spores of C. meniscoides are morphologically very variable. One is obviously involved in the old problem of the desirability of using "natural" or morpho-taxa. I looked at a number of slides of Leigh Creek coals and decided that Neoraistrickia taylori Palyford & Dettmann is a junior synonym of A. spinosus. I interpret A. spinosus rather loosely but the forms described by Madler fall within the range of variation of shape, spine length, distribution, etc. that I recognise. We have a number of A. spinosus-like forms in the Arctic which are almost identical with Harris' figures and although I may change my mind later, I believe that these again are all part of one large plexus (palynodeme). In the Leigh Creek samples C. cameroni is relatively distinct from N. taylori (=A. spinosus).

I hope that these comments are of value. You have stimulated me to have another look at my material and if I have any second thoughts I will communicate them to you.

Did Bob send you the European Rhaetian slides? If not, please let me know and I will send what I have. I also have a limited amount of Scandinavian material which I can loan you for an unlimited period.

...../2

Hunt Institute for Botanical Documentation

If you have any problems that you think I may be able to pass comment on, please write; it is really very exciting now that the Triassic is getting more of the attention that it deserves.

Best wishes,

Michael

M. J. Fisher.

MJF/ajc

P.S. I have now had a chance to check my counts: G. S. persists throughout the Rhaeto-Liassic, but is most common in the "Heliosporites" zone of England and the Thaumatopteris zone of Sweden etc. Al is coming to Calgary & I will give him an internal report which you may find interesting.

Hunt Institute for Botanical Documentation

June 28, 1973

Dr. Michael Fisher
Robertson Research (North American) Ltd.
501 Cleveland Crescent, S.E.
Calgary, Alberta
Canada T2G 4R8

Dear Mike:

Thank you so much for hosting me part of the time I was in Calgary. I especially enjoyed the delightful evening with you and Valerie at your home and look forward to future occasions of that sort with considerable anticipation and pleasure. Thanks also for the assistance you gave me opinion-wise regarding the Hughes manuvers in UK. I also appreciated the relatively few things we discussed about the Triassic palynology and especially the preprint of part of your paper which you gave me for Bruce's use and mine. Any tidbits about Triassic palynology which you and Robertson feel free to let us have will be most useful to us of course.

Best wishes until we meet again.

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT/vsi
Enclosure: requested item

Hunt Institute for Botanical Documentation

March 12, 1973

Dr. Michael J. Fisher
Robertson Research Ltd.
501 Cleveland Creseent S.E.
Calgary, Alberta T2G 4R8
Canada

Dear Michael:

Thanks for yours of 26 February. You certainly shouldn't feel concerned at all about any inconvenience to Bruce Cornet or me. We were simply hoping to be successful vultures in getting material which would be useful to Bruce in his doctoral research and to me in trying to keep on top of it.

Regards to you as always. Hope it won't be too long before we meet again.

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT/vsi

P.S. Of course, we are still looking forward to getting whatever crumbs you might allow to fall from your table!

Pretty Good Skin
100% COTTON

Hunt Institute for Botanical Documentation

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ROBERTSON RESEARCH (NORTH AMERICA) LIMITED
DIRECTORS: J. C. ROBERTSON, D.L. DR. R. H. CUMMINGS R. W. L. OLDROYD

February 26, 1973.

Professor Alfred Traverse,
Deike Building,
The Pennsylvania State University,
University Park, Pennsylvania,
U.S.A. 16802

Dear Al:

I am sorry to have been so long in replying to your letter but I did not recover from my 'flu until well into February, consequently my affairs were in considerable disorder when I returned to work.

The situation regarding my handouts in Baton Rouge is that when I finally left L.S.U., I had to leave all my material behind and despite pleading 'phone calls, George has yet to send on my effects as promised. As soon as they do arrive here in Calgary I will send you the originals, but I am totally dependent on George's memory so you may not see these until much later in the year.

Please give my regards to Bruce Cornet and apologize if this has caused him any inconvenience.

Best wishes,

Michael.

M. J. Fisher.

NJF/ajc

Hunt Institute for Botanical Documentation

January 25, 1973

Dr. Michael Fisher
Robertson Research (North America) Ltd.
501 Cleveland Crescent, S.E.
Calgary, Alberta, Canada T2G 4R8

Dear Mike:

Sorry that I didn't get to see you before you took off and hope that your recovery was speedy and has been by now complete. We all missed you at the party at Hart's house the last night of the affair. You may remember that you had indicated that we could have the extra copy of your handouts so that Bruce Cornet could have a set. Since I didn't get to seeyou the last day, I wasn't able to take up on the promise. I did get the one batch of handouts which included the map of North America with Triassic localities on the first page and ran through Densoisporites in the generic presentation. I believe this was simply the first section of your handout material, and I think that George Hart gave it to me. We can, of course, make xerox copies of my set if you didn't bother to take yoursextra set back to Calgary. We will understand completely if you indicate that it would be inconvenient or whatever to send us the material. Naturally, we are on the "prowl" to improve our holdings of Triassic literature wherever possible.

Yourssection of the short course was memorable and exceedingly well done, even though you were in failing health toward the end of it. Best wishes to Bob Dunay.

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT/vsi

Hunt Institute for Botanical Documentation

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ROBERTSON RESEARCH NORTH AMERICA LIMITED
DIRECTORS: J. C. ROBERTSON, D.L. DR. R. H. CUMMINGS R. W. L. OLDROYD

May 2, 1972

Professor Alfred Traverse,
529 Deike Building,
Pennsylvania State University,
University Park,
Pennsylvania,
U.S.A. 16802

Dear Al:

Many thanks for the reports. I am still not resident in Canada but I hope to return together with my family in the middle of May.

As soon as we are settled, I will write to you again with news of the promised samples.

Best wishes.

ROBERTSON RESEARCH NORTH AMERICA LIMITED

Michael.

M. J. Fisher

MJF/ajc

Hunt Institute for Botanical Documentation

December 1, 1971

Dr. Michael J. Fisher
Robertson Research Company, Ltd.
"TY'N-Y-Coed"
Llanrhos, Llandudno
North Wales, United Kingdom

Dear Michael:

What good news! We will look forward to having you in North America and especially welcome the fact that it will be possible for you to visit Penn State from time to time! I remember our very pleasant get together in Toronto with great fondness and hope that the future will hold more such occasions for us. In the meantime, I certainly do look forward to getting the samples which you say you can let us have. They will be useful to me for both teaching and for reference. Do let me know if there is anything we have which would be of use to you, both now and in the future.

Best wishes to you for the holiday season and for as pleasant a move as possible. I must tell you that the secretarial pool here will be delighted by your change of address! Best wishes as always.

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT/vsi

Hunt Institute for Botanical Documentation

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ROBERTSON RESEARCH COMPANY LIMITED

DIRECTORS: DR. W. F. ROBERTSON J. C. ROBERTSON, D.L. DR. R. H. CUMMINGS DR. W. W. BROWN

9th November, 1971.

Professor A. Traverse,
Professor of Geology & Biology,
Deike Building,
The Pennsylvania State University,
University Park,
Pennsylvania 16802,
U.S.A.

Dear Al,

I was delighted to receive your letter of the 9th September and apologise for being so long in replying. Since we last met, the problem of a move to Calgary has resolved itself and my company now hopes to be operative in Canada in the Spring of next year. I shall be coming over to run the palynological section and will therefore be in a very good position to come down and see you at Penn State. As you can imagine this news has caused a minor upheaval in my affairs but I hope to be able to send you some samples and macerations within the next week or so.

I look forward to seeing you again in the near future.

With best wishes,

Michael. Fisher

MJF/EWH/LP

Hunt Institute for Botanical Documentation

September 9, 1971

Dr. Michael J. Fisher
Robertson Research Company Ltd.
Llanrhos, Llandudno
North Wales, United Kingdom

Dear Michael:

This is to acknowledge your letter of 17 August, which unfortunately I did not receive before I left for Calgary, and hence did not have the possibility of acknowledging in person. It was rather frustrating for me to see so little of you in Calgary, but I am sure that we both recognized that mutual circumstances scarcely permitted it. With regard to the kind offer in your letter of 17 August, let me say that as soon as it would be convenient for you I could certainly use any combination of a half-dozen or so macerations or documented pieces of rock which you note to be productive. They would be used in the course in palynology here. In fact, the best thing possible would be pieces of suitable rock, along with maceration residues which could correspond to the rocks. Just the pieces of rocks, however, would be quite acceptable if that is what you can spare. I use the pieces of rock as "unknown" samples for the students during the course, and I could use the maceration residues for the purpose of expanding our reference collection, also primarily for student use. In either case, I would naturally appreciate as much locality and stratigraphic information as it is possible for you to provide me within security limitations of your company.

One thing I had hoped to find time to discuss with you at Calgary is the question of whether you could not arrange to visit us at Penn State on one of your trips to North America. It would be stimulating for all of us, and I would very much appreciate a chance to show you around our setup and have you present a seminar to our graduate students interested in palynology, if you were able to do so.

Looking forward to seeing you again and with best wishes, I am

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT/vsi

Hunt Institute for Botanical Documentation

August 3, 1971

Dr. M.J. Fisher
Robertson Research Co., Ltd.
"Tyn-y-Coed"
Llanrhos, Llandudno
North Wales
United Kingdom

Dear Michael:

This is to thank you formally for hosting my graduate student, Bob Dunay, and apparently showing him a very good time as well as helping him greatly with his research projects. I'm still finding out things that he heard from you which were of interest. I do hope that we can continue some form of cooperation in our mutual interests in early Mesozoic floras and, for my part, firmly intend to keep in touch with you as our work progresses.

Thanks again for having Bob. Best wishes to you.

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT/vsi

Hunt Institute for Botanical Documentation

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TELEX 61216

ROBERTSON RESEARCH COMPANY LIMITED

DIRECTORS: DR. W. F. ROBERTSON J. C. ROBERTSON, D.L. DR. R. H. CUMMINGS DR. W. W. BROWN

Professor A. Traverse,
The Pennsylvania State University,
Deike Building,
University Park,
Pennsylvania 16802,
U.S.A.

17th August, 1971.

Dear Al,

Thank you very much for your letter, it was a pleasure to play host to Bob during his short stay in North Wales. He mentioned whilst he was here that you may be interested in exchange palynological preparations. At the moment I have a fairly comprehensive selection of microfloras from the English Triassic together with a number of other sections scattered throughout the Mesozoic from other parts of the world. If in conversation with Bob you feel that I might have something which would be of interest to you or of use in your university collection please let me know and I would be pleased to send you slides/macerations.

Best wishes,

Michael.

Fisher

MJF/EWH.

Hunt Institute for Botanical Documentation

ROBERTSON RESEARCH LABORATORIES

DIRECTOR: R. H. CUMMINGS, Ph.D., B.Sc., F.G.S., F.Inst.Pet., M.I.M.M., F.I.Min.E.

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Marine & Geophysics: N. B. BROWN, B.Sc., F.G.S.

Petroleum: R. W. OLDROYD, B.Sc., F.G.S.

Telephone: DEGANWY 81811
Cables: RESEARCH LLANDUDNO
Telex: 61216

16th June, 1970.

Prof. Alfred Traverse,
Dept. of Geology & Geophysics,
The Pennsylvania State
University,
University Park,
Pennsylvania,
P.A. 16802,
U.S.A.

Dear Professor Traverse,

Please find enclosed a brief description/abstract of "The Triassic microfloral succession in England" which I would like to present at the A.A.S.P. meeting in Toronto.

Yours sincerely,

Michael Fisher.

M. J. FISHER

MJF/EWH.
Enc.

Hunt Institute for Botanical Documentation

April 21, 1971

Dr. W.L. Fisher
Acting Director, Bureau of
Economic Geology
University of Texas
Austin, Texas 78712

Dear Bill:

I was delighted to see the news in the recent copy of the Bureau's annual report of 1970 that you have been elevated to the purple. I only hope it won't keep you from getting some other things done.

It may interest you to know that the research which I began at Austin on Wilcox pollen and which was carried on partly by me and partly by my student, Doug Nichols, will presumably be published in the not too distant future in complete form by Nichols. I now have another student who is nearing the end of his Ph.D. work which will be based on studies of the Triassic of Northwest Texas--studies which grew out of discussions I had with Gus Eifler in the hot summer of 1965 in Austin. What with my research interests still being womewhat centered on Texas, I suppose it is not entirely impossible that I may see you from time to time.

Best wishes to you in your new position and regards to whatever friends I still have around the Bureau.

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT/mdw

Hunt Institute for Botanical Documentation

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

July 25, 1967

Dr. William Fisher
The Bureau of Economic Geology
University of Texas
Austin, Texas 78712

Dear Bill:

Doug Nichols and I greatly appreciated your kindness in helping us get more of a foothold in the Wilcox problem. I am not sure how much good the samples obtained from the core library will do, but we did obtain some pretty good stuff in the field and I feel much more confident now that Doug can shape up a reasonable thesis on the Wilcox lignites of Texas. I still have nothing to report on the cores from the Texas Power & Light Company. The man at the Bureau of Mines who has charge of the cores is an old friend, and I still have some hope of being able to pry one or two of the cores loose. Time will tell.

Thanks again for all your help. I hope the future will see more cooperation between you and us regarding Eocene Palynology of Texas.

Yours very truly,

Alfred Traverse
Associate Professor of Geology

AT:kaw

Hunt Institute for Botanical Documentation

June 15, 1967

Dr. W.L. Fisher
Bureau of Economic Geology
University of Texas
Austin, Texas 78712

Dear Bill:

Further to our telephone conversation of earlier today. I have been taking a further hard look at the mileage between here and Austin and the stops that we must make enroute--the route that we must take will be about 2000 mi. I beleive that it is improbable that we can make it until late Friday, 30 June, or even perhaps the next day. Under the circumstances, it would perhaps be better if we planned to show up at your office first thing Monday, 3 July. Unless the 3rd is a holiday or something, I don't suppose the extra day would make much difference to you. I could use the Sunday to catch my breath after the trip and perhaps show Doug Nichols a bit (that's all I know) of the local geology.

Yours very truly,

Alfred Traverse
Associate Professor of Geology

AT:kaw

Hunt Institute for Botanical Documentation

THE UNIVERSITY OF TEXAS

BUREAU OF ECONOMIC GEOLOGY
THE LITTLE CAMPUS
18TH AND RED RIVER STREETS
UNIVERSITY STATION, BOX X
AUSTIN 78712

February 20, 1967

Dr. Alfred Traverse
Department of Geology
Pennsylvania State University
University Park, Pennsylvania 16802

Dear Al:

I was very glad to have your letter of 16 February and have news of you. You will find a locality register for the samples in question in our R. I. 54, the East Texas report. The numbers do not refer to localities in R. I. 50. I believe you have or had a copy of R. I. 54. We have here measured stratigraphic sections for most of these localities; some of the sections were measured more carefully than others. If these would be of any value to you, we can send you some thermofax copies. If you do want these, write to Ed Garner, as I plan to be away from the Bureau for three months this Spring (after mid March). I am taking a leave to Southern Illinois University for a short while to try my hand at teaching. Ed has the sections and I will alert him in the event you may want copies.

Glad you are continuing your East Texas lignites; I will be anxious to learn what you find out about them. Joe McGowen and I have done quite a bit of work on the Wilcox since you left and have developed some ideas about the coal facies which might be of help to you. Perhaps we can pursue this when you come down next summer. We have mapped an extensive lignite facies as a part of the Wilcox Delta System in the subsurface, and though most of the samples of these coals are either cuttings and chip cores, perhaps you would be interested in them. We can give good stratigraphic control. It would be very helpful to us to know which of the lignites from the Delta System were brackish, saline, and fresh water, especially in terms making some up-dip extensions of some marine destructive units.

I will look forward to seeing you and Mr. Nichols this summer. Perhaps we can arrange to relate your lignite results with our stratigraphic studies.

Very truly yours,

W. L. FISHER
Geologist

WLF/cjg

Hunt Institute for Botanical Documentation

THE UNIVERSITY OF TEXAS

BUREAU OF ECONOMIC GEOLOGY
THE LITTLE CAMPUS
18TH AND RED RIVER STREETS
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February 20, 1967

Dr. Alfred Traverse
Department of Geology
Pennsylvania State University
University Park, Pennsylvania 16802

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I will look forward to seeing you and Mr. Nichols this summer. Perhaps we can arrange to relate your lignite results with our stratigraphic studies.

Very truly yours,

Bill

W. L. FISHER
Geologist

WLF/cjg

Hunt Institute for Botanical Documentation

Department of Geology
Michigan State University
East Lansing, Michigan 48823
21 June 1973

Professor Alfred Traverse
Department of Geology
Pennsylvania State University
University Park, Pennsylvania 16802

Dear Dr. Traverse:

This is in reply to your letter of 5 June and our telephone conversation of 6 June regarding the availability of the Brandon Lignite paper. As you suggested I have obtained a xerox copy. The plates as copied on a 3-M machine (see copy enclosed) will be quite satisfactory for my purposes at present. Should I desire a better illustration of individual palynomorphs later I will contact you again.

Sorry I had to miss you on my trip East to see Dr. Erling Dorf. On the next such opportunity I look forward to meeting and thanking you for your assistance.

Respectfully,

Lanny H. Fisk

Lanny H. Fisk

LHF:cf

Enclosures: 1

Hunt Institute for Botanical Documentation

June 5, 1973

Mr. Lanny H. Fisk
Department of Geology
Michigan State University
East Lansing, Michigan 48823

Dear Mr. Fisk:

Thank you for yours of 29 May. I am glad to hear of your project to work on Eocene palynology of Yellowstone. I am certainly sorry about the unavailability of the Brandon Lignite paper. I used to obtain multiple copies of it for my classes here, and it has greatly inconvenienced me also that it is now out of print. I do not have any copies for distribution--in fact, I have only two copies myself, both of which are used in my course. I can only suggest that you get a xerox copy of the printed matter, which is quite satisfactory, and, if you are interested, you could get a photographic prints from the original negatives for the plates, which I think would cost about $1 each. As another alternative, I could make you xerox copies from the original plates, which I think would be just about as good or better than the half-tone reproductions in the very poorly printed original publication. Let me know your pleasure about all this.

I would very much like to see you when you pass through this area, but my residence in State College during the summer months is a very spotty business. For example, I will be out of town from June 7 to June 22 that I know of, and also from 15 July to something like the 1st of August and then again from about the beginning of the second week of August until September. In other words, it would be wise to phone me a day or two before you plan to arrive to be sure that I'll be on deck. As far as I know I'll be around during the periods which I did not just mention!

Hunt Institute for Botanical Documentation

Looking forward to meeting you and with best wishes for your work, I am

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT/vsi

Esleeck
Fidelity Onion Skin
100% COTTON

Hunt Institute for Botanical Documentation

Department of Geology
Michigan State University
East Lansing, Mich. 48823
29 May 1973

Professor Alfred Traverse
Department of Geology
Pennsylvania State University
University Park, Pa. 16802

Dear Dr. Traverse:

In previous correspondance I have mentioned my intention to study the pollen floras of the Eocene petrified forests of Yellowstone National Park for my doctoral thesis. Preliminary work has shown the feasibility and importance of such an investigation. I have been studying under Dr. Aureal Cross at Michigan State as a special student this spring and will spend most of the summer here as well. With this excellent beginning and diligent effort I am confident that the study can soon be completed.

As I have searched the literature on Early Tertiary palynology your own thesis on the Brandon Lignite stands out as a landmark. I would very much like to have a copy of this reference as published in the Bureau of Mines R.I. 5151. Unfortunately B of M notifies me that they no longer have copies available. I could obtain a photocopy from Library of Congress or from Dr. Cross' copy. However, I have found most reproductions of plates grossly inadequate for comparison purposes. Therefore, I am bothering you with this communication to see if by chance you still have any copies available.

In my last correspondence I also expressed my desire to visit you while "back East." The opportunity may be forth coming. Sometime soon (perhaps late this month) I plan to visit Dr. Erling Dorf at Princeton and, since I will be driving, could stop in at Penn State at that time. If these plans materialize I will of course let you know the approximate date of my arrival.

Please advise me on the availability of the Brandon Lignite paper. Thank you for your previous correspondence. I hope to be able to thank you personally for your help in the near future.

Respectfully,

Lanny H. Fisk

LHF:cf

Hunt Institute for Botanical Documentation

December 7, 1972

Mr. Lanny H. Fisk
Department of Biology
Loma Linda University
Loma Linda, California 92354

Dear Mr. Fisk:

Thank you very much for yours of 26 November. Naturally I am disappointed that you won't be able to be with us--perhaps I should eventually consider moving the introductory palynology course to the spring term. It certainly would make for better field trips! When you are "back East" please feel free to drop in on us whenever you wish, provided only that you let us know you are coming ahead of time. I was somewhat amused by the "back East" expression, however, because it is about 600 miles from Michigan State to Penn State. At least in this northeastern section of the country that's quite a lot of wheeling.

Best wishes to you for the holiday season and in your work.

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT/vsi

Hunt Institute for Botanical Documentation

LOMA LINDA UNIVERSITY

LOMA LINDA, CALIFORNIA 92354

GRADUATE SCHOOL

DEPARTMENT OF BIOLOGY

26 November 1972

Dr. Alfred Traverse
Department of Geology
Pennsylvania State University
University Park, Pennsylvania 16802

Dear Dr. Traverse:

Thank you for your reply of 11 October regarding the possibilities of palynology work at Pennsylvania State. From the lecture and laboratory outline you provided your course appears to be an excellent introduction to palynology. Unfortunately, winter term is most inopportune for me since there are several courses offered here that I need to take. I have passed your letter on to another graduate student in our department whose interest is Paleozoic palynology. He may be in contact with you later.

In searching for another course in palynology I found that Dr. Aureal T. Cross at Michigan State University has worked with both mega- and microfossils from the Yellowstone fossil forests. I am making plans now to spend Spring term there.

Thanks again for your help. If the opportunity presents itself while I am back East I would enjoy visiting your lab and meeting you in person.

Respectfully,

Lanny H. Fisk

Lanny H. Fisk

LHF/cf

Hunt Institute for Botanical Documentation

October 11, 1972

Mr. Lanny H. Fisk
Department of Biology
Graduate School
Loma Linda University
Loma Linda, California 92354

Dear Mr. Fisk:

Thank you for your letter of 1 October. I have made inquiries with the Graduate School here and find that there would be no problem if you wish to come here as a non-degree candidate graduate student for the next term when palynology will be offered. This is the winter term, 1973, which starts right after the new year--I believe registration is 4 January. The gentleman you would write about forms, etc. is:

Mr. Barnard J. Busovne
Director of Graduate Admissions
309 Kern Graduate Building
Pennsylvania State University
University Park, Pa. 16802

I am enclosing a lecture and laboratory outline for Geology (Biology) 423. I assume that you would want to sign up for a couple of other courses to fill out a program while here--one of these might well be a special studies course under my direction.

Let me know if I can fill you in more in any respect. We really do have a good program in palynology here.

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT/vsi
Enclosure

Hunt Institute for Botanical Documentation

LOMA LINDA UNIVERSITY

LOMA LINDA, CALIFORNIA 92354

GRADUATE SCHOOL

DEPARTMENT OF BIOLOGY

1 October 1972

Dr. Alfred Traverse
Department of Geology
Pennsylvania State University
University Park, Pennsylvania 16802

Dear Dr. Traverse:

I am interested in taking some class and laboratory work in palynology during the school year 1972-73 and am inquiring about the possibilities of work at Penn. State. Presently I am working toward a Ph.D. in biology at Loma Linda University where my program through MA level has included paleobotany and several courses in geology and paleontology. For my research I have started a reconstruction of the Eocene ? flora of the fossil forests of Yellowstone National Park. After finding that these important deposits had never been examined palynologically I initiated just such a study attempting to master the necessary palynologic techniques without the help of formal course work. Although I have had much success in extracting the pollen and spores, identification has been a hindrance to further work. At this point in my research then I am in search of course work that emphasizes pre-Quaternary pollen identification.

According to a recent college bulletin the course GEOL 423 Intro to Palynology may meet my need. My requests then are threefold:

1) Would you please provide me with a more detailed description of the above course?
2) When will this course next be offered?
3) Would it be possible to spend a semester in your department registered as a special graduate student while taking the above course?

Feel free to pass this letter on to anyone else in the position to answer my questions. Or if you would suggest correspondence with other individuals I would appreciate their addresses. Your help regarding this important opportunity will be most appreciated.

Respectfully,

Lanny H. Fisk

Mr. Lanny H. Fisk

LHF/cf

Hunt Institute for Botanical Documentation

TO: Fisk Teachers Agency
401 Juniper Building
Walnut & Juniper Sts.
Philadelphia, Pa.

FOR: Frederick A. Pope, Jr. of Austin Texas.

The Rev. Frederick A. Pope, Jr., was a professor of mine while I was a student at the Episcopal Seminary, Austin, Texas--I studied pastoral theology under his guidance. I found him a stimulating teacher with an excellent command of his subject--in the field of marriage counselling he is tops. "Fred", as he is known to his friends, is a well dressed, vigorous person whose company I have always enjoyed greatly--some people claim to find him a little overbearing, but I admit that I was never able to see this--I think it was a reaction of semi-rural people to, a rather polished, formal person of aristocratic origin--as I say, I always liked him very much.

Hunt Institute for Botanical Documentation

6 October, 1982

Dr. William R. Fitzsimmons
Director of Admissions
Byerly Hall--8 Garden St.
Harvard University
Cambridge, MA 02138

Dear Bill:

Thanks for yours of 24 September. The point was that it was not an "article", but the Class Day address at Commencement here, and it got a lot of audience from parents, etc. Of course, it is o.k. to promote "Penn State Pride", but the direct attack on Harvard was unnecessary, unfair and untrue. Well, perhaps it's as some advertising people say--"Even bad publicity is better than no publicity"!

Best wishes.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

P.S. I reciprocate the invitation--do visit us if you're in the area!

Hunt Institute for Botanical Documentation

24 November, 1980

Dr. William Fitzsimmons, Director
Harvard-Radcliffe Admissions
Byerly Hall
Cambridge, MA 02138 USA

Dear Bill:

Am doing a sabbatical in Switzerland, as you see. Hope all goes well with you. I follow your activities from the Admissions materials I still occasionally see! (I still keep my eyes open for potential applicants.)

The daughter of one of the professors here is a prime Harvard candidate, it seems to me--she is in her second year here at E.T.H., and I am urging her to seek transfer admission to Harvard, even though I know you take very few transfer students.

Her name is Elizabeth Hsü. Her father (K. J. Hsü) is one of the most prominent geologists in the world. Elizabeth is American-born (Houston) and is a U.S. citizen. She is interested in Chinese language and culture (spent a year at Peking University), as well as in the biological sciences. She is doing very well here, but should not, in any case, be in the same university where her father is Director of the Geological Institute. She is bright, ambitious and (1/2 Chinese, 1/2 Swiss) as international a person as you'll find (speaks at least five languages, including Chinese and perfect American English). She should go to university in her native land--preferably to Harvard! She will be a credit to us.

Anyway, I've encouraged her to apply. I hope she will, and that you'll give her very careful consideration.

All the best.

Yours very truly,

Alfred Traverse
Visiting Professor

AT/et

Hunt Institute for Botanical Documentation

HARVARD·RADCLIFFE

OFFICE OF ADMISSIONS AND FINANCIAL AIDS
BYERLY HALL • 8 GARDEN STREET • CAMBRIDGE, MASSACHUSETTS 02138

December 5, 1980

Alfred Traverse
Visiting Professor
Eidg. Technische Hochschule Zurich
Geologisches Institut
CH-8005 Zurich,
Sonneggstrasse 5
SWITZERLAND

Dear Al:

It's good to hear from you. You certainly get around!

As you well know, admissions decisions here are almost never easy and this kind of additional information can be very helpful. Last year the Committee was able to admit slightly more than two thousand applicants from a record pool of nearly fourteen thousand. Such an intense competition makes it impossible to predict the Admissions Committee's decision in an individual case. I can, however, assure you that the Committee will act only with the utmost care in Elizabeth's case.

Best personal regards.

Sincerely,

William R. Fitzsimmons
Director of Admissions

Hunt Institute for Botanical Documentation

31 October, 1978

Dr. William Fitzsimmons
Harvard-Radcliffe Admissions Office
Byerly Hall
Cambridge, MA 02138

Dear Bill:

Voice from the past! You probably recall your one-time recruiter--er,ah, interviewer--in upper central PA?

I would like you to take a personal look at an applicant. It is no big favor, because Harvard will be lucky to get him. I have a cousin in Montreal, Michael Fisch, who because of me is applying for class of '83. As you probably know, Quebec has only 11 years of public school, so Michael is a senior though only 16. He is a great kid. He was all-Quebec in basketball last year, and all-league (or something like that) in football. He is captain of both the football and basketball teams! He writes me that the football team is undefeated so far this fall (6-0). He must be especially good at basketball--his nickname is "Swish"! He has top grades at the private school he attends--Lower Canada College--but I suspect taking the SATS at age 15 puts Quebec kids at a slight handicap. He strikes me as a fine person. I cannot assess whether he really is varsity prospect at Harvard--there is no question he is an outstanding schoolboy athlete and a born leader.

The family has enough resources that they would send Michael to Cambridge for an interview if you think it would help--I suspect it might help Harvard (instead of Yale or Princeton) to get Michael if a visit with an overnight stay with a Harvard footfall player could be arranged and if you talked to him.

As you can see, I think Michael is another Jim Langton-Todd Lundy sort of person, and I am really working on him to go to Harvard, even if he is my cousin!

All the best.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

Hunt Institute for Botanical Documentation

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

21 December, 1992

Catherine Flack
Earth Sciences Editorial
Cambridge University Press
The Edinburgh Building
Shaftesbury Road
Cambridge, CB2 2RU, U.K.

Dear Catherine:

Good to talk to you, and we're gratified to learn that things <u>are</u> moving along with our project.

Here's the info you wanted:

Course No.	Title	Enroll-ment	Taught by
Geosc 001	Intro. Physical Geology (for certain majors)	300	Don Fisher Steve Mackwell
Geosc 002	Intro. Historical Geology (for certain majors)	100	Al Guber
Geosc 020	Basic geosciences (for non-majors: "rocks for jocks")	600-700	Terry Engelder Richard Alley E.K. Graham (some semesters 2 of them do it independently)
Geosc 021	Basic historical geology (for non-majors)	60-75	Al Guber or Mark Patzkowsky

Happy holidays!

Yours very truly,

Alfred Traverse

AT/et

Hunt Institute for Botanical Documentation

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

30 October, 1991

Catherine Flack
Earth Sciences Editorial
Cambridge University Press
The Edinburgh Building
Shaftesbury Road
Cambridge, U.K. CB2 2RU

Dear Catherine:

Whoops! Another copy of the much discussed Barbour & Billings book just came. Should I send the extra copy back? I could give it to our department library, if you don't want me to ship it back (the University library, of course, already has it).

Best wishes.

Yours very truly,

Alfred Traverse

AT/et

Hunt Institute for Botanical Documentation

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

15 September, 1991

Catherine Flack
Cambridge University Press
The Edinburgh Building
Shaftesbury Road, Cambridge, CB2 2RU
UK

Dear Catherine:

Yours of 23 August for some reason just arrived--came surface, I guess.

The copy of Barbour and Billings, mentioned in your letter STILL hasn't come, but the fact that you mentioned it gives me hope that it is still is in the works. However, as you say that it was to be sent by airmail, it is rather puzzling. By now it should be here.

I have resolved that because of the book project, on top of the fact that I go to India in November (to receive the Indians' international prize for 90-91) and to Germany in December (for six-month sabbatical in Frankfurt), and other problems, that I will go to NO meetings until Sedimentation of Organic Particles has been sent off to you. Hence, I won't be in San Diego, even though the palynologists have this year arranged to meet with the geologists there.

Presumably you have by now received mine of 28 August, with enclosed photomicrographs. In the meantime I have received from my colleagues in the Netherlands photomicrgraphs in color of various palynodebris, from which to make the proposed frontispiece. I am so confident that your response will be positive, as indeed you implied in an earlier letter, that I am going ahead with preparing the subject plate!

Best wishes.

Yours very truly,

e

Alfred Traverse

Hunt Institute for Botanical Documentation

3 September, 1986

Dr. Patrick W. Flanagan
Program Director, Ecology
National Science Foundation
1800 G Street, N.W.
Washington, DC 20550

Dear Dr. Flanagan:

I am returning herewith the copy of the Whitehead et al. proposal. The proposal has mostly to do with biochemical systems in lakes, despite the fact that the P.I. is a palynologist and a colleague of mine in the field of Quaternary palynology. Clearly the proposal should be evaluated by experts on lake biochemistry, not by palynologists. I always hate to turn NSF down, but this seems a logical move. Sorry.

I do have a couple of comments. First, I don't think you should send a copy of the racial, etc., info to reviewers: Form 1225 (985). This is clearly confidential.

Sedond, somehow NSF should stop the proliferation of proposals into books. I know you have regulations regarding length of the proposal itself and this proposal apparently is o.k. on that score (not if illustrations are counted). But you should consider instituting a total length limit too. This would have the effect of making proposers limit their publication lists, etc. A proposal whose total length is something like 125 +() pp. is too long!

This project will cost far too much money.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et
encl: proposal

Hunt Institute for Botanical Documentation

20 May, 1965

Memorandum

To: Dr. Peter F. Flawn — Corresp.

From: Alfred Traverse

Re: Possible summer research project

After considerable discussion with Bill Fisher, and perusal of his publication--R. I. 50--I am convinced that the most productive way for me to gain reentry would be to commence some work on the Gulf Coast lignites. The fact that I have already done research with more or less related problems reduces the number of indeterminables and helps to insure that I will obtain results that will be significant and interesting.

Bill feels that an appropriate way to begin would be to study the two beds that are being commercially mined at the moment--the Milam County workings of Alcoa, near Rockdale, and the Harrison County workings at Darco. In addition to the attraction that information on the palynology, paleobotany and coal petrography of these lignite beds could be tied in with other information very readily, there is also the attraction that fresh, unweathered samples could so easily be obtained. (Outcrop lignite samples are a poor risk palynologically--thoughssometimes one can't be very choody!) Later, I would be in a position to obtain samples and expand the study into other zones of the early Tertiary lignite field. I am assured by Fisher that this has considerable potential interest. If the study needs a title, it should be "Palynological-Coal Petrographic Characterization of Eocene Lignites in Texas."

Last night I spent considerable time with Jack Wilson and Ernie Lundelius. They urged me to consider beginning palynological investigation of the series of things from Permian through Tertiary for which Wilson has K-A dates and vertebrate information. A good bit of what he described to me lithologically sounds quite promising. Getting good, unweathered samples will require considerable careful fieldwork, however. I would think that I almost certainly will want to take Jack up on this suggestion. It would seem to me that getting into that sort of project would be a natural outgrowth of getting some sort of minimal laboratory set up in connection with the relatively simple Gulf Coast lignite problem.

Regarding the Pre-C materials that you and King reported on, must frankly say that I consider them a rather unlikely source fossil plants. However, if we could obtain some of the darker colored cherts--perhaps with carbonaceous streaking--why not make me thin-sections and let me have a look-see? --not as a project this stage but as a matter of interest.

AT Traverse

Hunt Institute for Botanical Documentation

21 May, 1965

Memo: A. Traverse to Dr. Peter Flawn

Re: Equipment and supplies for palynological processing, for summer, 1965.

I. Sundry

1.	15 ml. Pyrex centrifuge tubes, Corning No. 8060 2 doz. @	.37	$8.88
2.	Glass stirring rods, 5 x 150 mm., 20	@2.4¢	.44
3.	Polyethylene stirring rods, 10-inch, square end (Curtin 19980-4A) 4 @	.30	1.20
4.	Microslides, 2 boxes (Curtin 14343, frosted end) @	3.00	6.00
5.	Microcoverslips, rectangular, 22 x 22 mm., #1, Corning best quality, 2 boxes @ (Curtin 14320D)	2.09	4.18
6.	Crucibles, nickel, 100 ml. 4 @	2.25	9.00
7.	Slide trays, map form, Curtin 14464 5 @	1.55	7.75
8.	Photo-film, 35 mm., black-white, 10 rolls		$15 ??
9.	Processing of above		???

All other supplies that are absolutely necessary (an ultrasonic cleaner is very desirable, but can be got along without) can be got at Balcones, scourged, or borrowed.

II. Chemicals.

1.	Sodium chlorite, Sargent SC 14774, one pound @	$15.
2.	Ethyl alcohol, one gallon, (Solox)	$2
3.	Bromoform, one pint (Curtin 34915)	$12
4.	Glycerin-jelly, mounting medium, Curtin 34915, 1 lb. @	$5.45
5.	Basic fuchsin stain, alcohol and water sol., Fisher A 803 1 oz. @	1.60

Total (not counting processing of film): $88.50

Hunt Institute for Botanical Documentation

UNITED STATES
DEPARTMENT OF THE INTERIOR
FISH AND WILDLIFE SERVICE

Santa Ana Nat. Wildlife Ref.
P. O. Box 748
Alamo, Texas

May 24, 1959

Mr. Alfred Traverse
Shell Development Company
3737 Bellaire Blvd
Houston, Texas

Dear Al:

Your letter was appreciated and I wish to thank you for the addition of the company that handles herbarium paper.

I had the pleasure of meeting Mr. Runyon and he identified a number of unpressed plants for me. He has a collection that any institution would be glad to get.

I am still collecting and pressing plants. I lost the collecting data sheet that you gave me and I would appreciate another.

Very truly yours,
Raymond D. Flatwood

Hunt Institute for Botanical Documentation

May 14, 1959

Mr. Ray Fleetwood
Santa Ana National Wildlife Refuge
c/o Refuge Headquarters, Laguna Atascosa Refuge
P. O. Box 739
San Benito, Texas

Dear Ray:

It was a pleasure to meet you and to spend that pleasant day with you at Laguna Atascosa, as well as to see you again briefly on the Santa Ana Refuge. I am truly sorry that we didn't have time to stay a few days at the S.A.R. and it will surely be my plan to do so at some time in the future. The flora there is different from anything else I've seen in my reconnaissance of the Gulf Coast.

It will take about a year for the normal course of herbarium sheet preparation and determination, so expect our sheets of our Santa Ana and Laguna Atascosa collections about next spring. If you get them sooner, so much the better. In the meantime, keep up your botanizing. If there is any way that I can be helpful by giving you information about where to get supplies, or whatever, feel free to call on me.

Along this line, the address of the outfit that sells newsprint for collecting (as well as genus covers, etc.) is:

Bonestell & Company
164 Townsend Street
San Francisco 7, California

Best of luck.

Very truly yours,

Alfred Traverse

AT:mpd

Shell Development Company
Exploration and Production Research Division

Hunt Institute for Botanical Documentation

THE UNIVERSITY OF TEXAS
DEPARTMENT OF GEOLOGY
AUSTIN, TEXAS 78712

27 Dec., 1965

Dr. Durwood Fleming
President
Southwestern University
Georgetown, Texas

Dear Dr. Fleming:

I have been teaching geology here since September on a temporary appointment to replace persons who were on sabbatical leave. As of 1 July, 1966, therefore, I shall be looking for another teaching situation. Because my research interests are in Texas and have been for ten years, and for various personal reasons, I would like to stay in central Texas, I am hoping to be able to find a position at some college or university in this area. I thought you might be interested in someone with my qualifications.

It has not been my good fortune to teach until this fall, and I have thoroughly enjoyed it. I really believe I should have been teaching all along. The chairman of the department here will, I am sure, corroborate my effectiveness as a teacher and my interest in students.

The enclosed biography tells most of my academic story. In addition, you would perhaps be interested to know that the reason that I am in this position is that I resigned from Shell Oil Company in 1962 to attend the Episcopal seminary in Austin, from which I was graduated in June, 1965. I am an ordained Episcopal clergyman. But everybody, the bishop, the seminary faculty here, and the faculty in this department, feels that I should teach my scientific subject as a Christian witness rather than enter the parish ministry. I do assist at parishes every weekend. I am in charge of the youth work at St. Matthew's Episcopal Church, Austin, for example.

I am thoroughly qualified to teach introductory geology, general paleontology, paleobotany, introductory biology, plant taxonomy, plant anatomy, and could teach something in the area of science and religion, if there were interest in that. My degrees are in biology (plus the B. D.), but my professional experience has been in geology, a subject I note you don't have in your curriculum.

Hoping to hear from you, Iam

Yours faithfully,

Alfred

Hunt Institute for Botanical Documentation

United States Department of the Interior

U.S. GEOLOGICAL SURVEY
Box 25046 M.S. 919
Denver Federal Center
Denver, Colorado 80225

IN REPLY REFER TO:

19 April 1996

Dr. Alfred Traverse
Palynological Laboratories
The Pennsylvania State University
435 Deike Building
University Park, PA 16802-2713

Dear Al:

An esteemed palynologist kindly lent me the *Alibertia edulis* volume from his palynological encyclopedia. Thus you are spared the inconvenience, and I the expense, of your slide-making business.

Best Regards,

Farley

R. Farley Fleming

P.S. The email problem was on my end, not yours. As with computers, email is great — when it works!

FF

Hunt Institute for Botanical Documentation

Received: from isdsun.cr.usgs.gov (isdsun.cr.usgs.gov [136.177.16.3]) by pangaea
Received: from gdsvr1.cr.usgs.gov (gdsvr1.cr.usgs.gov [136.177.48.5]) by isdsun.
Received: from [136.177.40.216] by gdsvr1.cr.usgs.gov (8.6.8/200.8.1.3)
        id VAA12472; Fri, 29 Mar 1996 21:24:13 GMT
Date: Fri, 29 Mar 1996 21:24:13 GMT
Message-Id: <199603292124.VAA12472@gdsvr1.cr.usgs.gov>
Mime-Version: 1.0
To: traverse@ems.psu.edu
From: ffleming@136.177.48.5 (Farley Fleming)
Content-Type: text/plain; charset="us-ascii"

Dear Al:

I hope things are going well for you. I have two questions regarding your modern pollen reference collection at Penn State. First, can material be borrowed for examination? Second, if so, would it be possible to borrow a slide of Alibertia edulis (A. Rich) A. Rich (Rubiaceae), if it is included in your collection?

Cheers,
Farley

Cheers,
Farley

****
* R. Farley Fleming * email: ffleming@greenwood.cr.usgs.gov *
* U.S. Geological Survey * *
* MS 919, Box 25046 * phone: 303-236-5681 *
* Denver, CO 80225 * *
* USA * FAX: 303-236-5690 *
****

Hunt Institute for Botanical Documentation

Date: Mon, 1 Apr 1996 10:50:19 -0500 (EST)
From: "Alfred Traverse" <traverse@ems.psu.edu>
To: ffleming@136.177.48.5
Cc:
BCc:
Subject: slide
X-NUPop-Charset: IBM 8-Bit

Dear Farley:

Yes, I have a slide of Alibertia edulis. However, lending such a slide is like lending somebody a volume of an encyclopedia. The purpose of the collection is for pollen identification. I do have a residue from which I would be glad to have a slide made and mailed to you, along with a data card. There is no charge for the pollen material, but I have to pay for mounting medium, slide, coverslip, mailing packet, postage, etc., and the assistant's time. (I am now retired and have to pay for everything, including all phone calls, but not--for some reason--for e-mail.) If you want to order same, I will send slide and an invoice for $15. (I contract for larger orders for much less per slide.)

I reciprocate the greeting and wish you a Happy Easter.

As ever, Al

Hunt Institute for Botanical Documentation

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

11 April, 1994

Dr. R. Farley Fleming
U. S. Geological Survey
Federal Center, Box 25046
MS 919
Denver, CO 80225

Dear Farley:

A while back we corresponded about "Paleopalynology." You sent a check in the hope that I could sell you a copy thereof, but I told you that in the meantime the book had gone virtually out of print, and I had only enough copies left for my class until the second edition comes out (if it ever does). At the time there were, however, 45 copies still extant in the warehouse in England, and my contact at the publisher (Chapman & Hall, who have bought out Unwin/Hyman) said I could buy them at author's discount. This past week I finally heard from Chapman & Hall, about that and about negotiations for the second edition (same old story--the two reviewers who use the book for their classes were enthusiastic about the project, the one reviewer who admitted he had never taken the book off the shelf was negative). As an aside, they mentioned casually that in the meantime all copies of the book have been sold. The unwritten agenda is that they made at least $25 more per copy than they would have gotten from me. There may be a few copies still available somewhere, but not at my source. So, reluctantly, I must return your check herewith and hope that you will still want a copy when the second edition comes out.

All the best.

Yours very truly,

Alfred Traverse

encl:check

Hunt Institute for Botanical Documentation

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

26 October, 1993

Dr. R. Farley Fleming
MS 919
U. S. Geological Survey
Box 25046, Denver Federal Center
Denver, CO 80225

Dear Farley:

Your nice note of 22 October just came. I bought the book about Frau Merian's work in Surinam in Germany last year. Quite a story. Most (but not all) of her observations about the larvae of butterflies were correct and very advanced for the time.

I am faced with a very embarrassing situation. There has been quite a run on the books lately, and I really hadn't counted up until this evening when I visited my storeroom. I'm down to 16 copies. That means I wouldn't have enough for the class next year if the enrollment were like this year and if I fail to find some additional copies.

Meanwhile, I'm negotiating for the remaining paperback copies of the book (with Chapman-Hall, successor to Unwin-Hyman). If I'm successful there will be no problem, and I can send you the hardback copy you want, inscribed and all! I'll hold your check until your instructions come in. If you'd rather, I can return the check.

Negotiations are also underway about a second edition.

All the best.

Yours very truly,

Alfred Traverse

Hunt Institute for Botanical Documentation

22 October 1993

Dear Al:

Enclosed is a check for $35 to cover the cost of one copy of your textbook (hardbound) plus shipping.

I have a small collection of books written by scientists with their autographs. A copy of your textbook with signature will be a very special addition to my collection.

Thank you for making this available.

Best Regards

Judy Fleig

P.S. Please ship to my USBS address. Thanks

Hunt Institute for Botanical Documentation

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

6 July, 1993

Dr. R. Farley Fleming
U. S. Geological Survey
Box 25046
Mail Stop 919
Denver, Co 80225

Dear Farley:

Betty and I are just back from what I believe is our first "pure" vacation--five days in Los Angeles. Fun. Found your fax of 2 July in the hamper.

The book caper has nearly driven us crazy. It may be that CUP is one of the best presses in the world, but our project has been ill served. In the same mail with your fax is a letter from the woman who has been the third editor to have charge of the project. She is the one who got the final revised mss. in early 1992. She now tells us that she is resigning to take a new job with CUP in Stanford, CA., and we are reassigned yet again. She writes that she "will be in touch with progress in the coming months." Ye gods, I thought it would be out within a matter of weeks.

You are the second or third author who has written about reprints, and I guess I better find out from the new editor what the story is. I just don't know. See enclosed letter copy. I'll keep you and the others informed as soon as I hear.

All the best. Regards to DJN.

Yours very truly,

Alfred Traverse

encl.

Hunt Institute for Botanical Documentation

07/02/93 11:07 ☎303 236 5690 DENVER BR P&S ☑001

Post-it™ brand
Fax Transmittal Memo 767

To Dr. A. Traverse
Company
Location
Fax # Telephone #
Comments

No. of Pages 1 Today's Date 2 July 93 Time 11:00
From R. Farley Fleming
Company U.S. Geological Survey
Location Dept. Charge
Fax # 303-236-5690 Telephone # 303-236-5681
Original Disposition: ☐ Destroy ☐ Return ☐ Call for pickup

Please deliver to Dr. Traverse.

Attach Document At Line

Dear Al:

I am planning my budget for the remainder of the fiscal year and I was wondering about reprints from the "book." Will reprints be made available to the authors of the individual chapters? If so, how much will they cost? Will they be made available before October? Our fiscal year, as you know, runs through the end of September. In order to pay for reprints in FY 1993, I need to set aside funds in the near future. If you could provide me with any information along these lines, I would greatly appreciate it.

I hope all is well with you and hope to see you some time in the near future.

Best Regards,

FF

Hunt Institute for Botanical Documentation

United States Department of the Interior
GEOLOGICAL SURVEY
BOX 25046 M.S. 919
DENVER FEDERAL CENTER
DENVER, COLORADO 80225

IN REPLY REFER TO:

18 October 1992

Dr. Alfred Traverse
Palynological Laboratories
Department of Geoscience
PennsylvaniaState University
University Park, PA 16802

Dear Al:

Enclosed are the proof pages for the Fleming and Nichols chapter of the Sedimentation of Organic Particles book. I think that most of the corrections on the proofs are self-explanatory, but there are a few items that need explanation. These are listed below.

- Page 447 - The penultimate paragraph on this page has a very strange rendition of the abbreviation for the Cretaceous-Tertiary boundary. In our original, we did not use an abbreviation. Although we agree that one should be used, it must be consistent with the rest of the chapter (e.g., on page 458). In addition, we insist that the first use of the acronym should be explained (i.e., "Cretaceous-Tertiary (K/T)"). This is so marked on the page proofs in black. The last paragraph on page 455 also has an abbreviation which needs to be corrected. not found

- Page 451 - Table 21.3 has some species listings that run to two lines. We think that in these instances the second line must be indented a few characters. This is marked on the page proofs and also holds for Table 21.6. OK

- Page 453 - There are two problems with Table 21.4. First, the values for *Platycarya platycaryoides* were italicized. They should not be. Second, the values for *Ailanthipites berryi* are in the wrong place. The entire line of values for this species should be moved down from its present position under Group 2 to be in the proper position in line with *Ailanthipites berryi*. OK

- Page 455 - In Figure 21.5, the symbol for siltstone is a solid triangle in the explanation that is below the scatterplot and above the figure caption. This should be an open triangle like the one shown in the figure and as explained in the caption. It appears that the triangle has been filled in during reproduction. explain

All in all, the proofs appear to be in good shape and I am pleased with the way the chapter appears. Thank you for all of your efforts on the book. Hope to hear from you soon.

Sincerely,

R. Farley Fleming

R. Farley Fleming

#210-A

Hunt Institute for Botanical Documentation

May 12, 1958

Mr. John H. Fleur
Lignite Laboratory
U. S. Breau of Mines
Grand Forks, North Dakota

Dear John:

You're right. The thing was forwarded to me, and I am paying for it. They should know my "new" address, since they carry it correctly in the directory they publish! I have informed them again. We'll see what happens. I certainly appreciate all the forwarding of mail that you have done for me.

I often fall to thinking of you all. When the pieces of mail come through I wonder whether Mrs. O'Keefe is still addressing them, or Mrs. Page, or somebody new. Last night I was pruning my orange and lemon trees and thinking of Jerry Hoeppner just getting the idea that in a month he might nurse a tomato plant through the night without a cover. Dr. Oppelt would be proud of my progress in German and I am studying Russian more or less assiduously now as well. Once in a while I think it would be fun to try to build a house to our own specifications. Then I think of a trip out West I took with Bob Ellman and how he couldn't get his mind off the plaster that was drying in East Grand Forks, and I decide to do some reading instead. I still use the camera I tried to get a better price on from old Foster, but failed. I see his name every time I open the camera case. Whenever somebody keeps me late in the office I think of the long arguments with Mr. Burr and how Betty used to phone me on some pretext to get me off the hook. I could go on and on....

I just got back from another trip to Florida. While I was gone all the kids had measles, so Betty had a rough go of it. But we're all pretty well and adjusting to life down here.

Best wishes to all (even including Mr. Fowkes),

Yours sincerely,

Alfred Traverse

AT:mpd

Shell Development Company
Exploration and Production Research Division

Hunt Institute for Botanical Documentation

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
Region III

Lignite Experiment Station

P. O. Box LL
University Station
Grand Forks, North Dakota

May 29, 1956

Dr. Alfred Traverse
Shell Development Company
Exploration and Production Research Division
3737 Bellaire Boulevard
Houston 25, Texas

Dear Al:

Many thanks for your prompt handling of the Kodachrome transparencies. Yes, we received them in good time to be used in a display during the University's Open House. We had our exhibit and also projected about thirty pictures on a screen. Don't know if it was worth the effort as very few people showed.

The thin section Kodachromes drew comment upon structure and coloring. Most folks were quite amazed at the redness of lignite. We used a few of preparation and utilization also. Worked a deal whereby we used a wire recorder to explain each slide. Due to competition from a movie being shown in a nearby booth this did not work too well.

All the slides are to be returned to Denver for filing. I believe I shall try to retain a few of the good slides here for our future use - either that or have them duplicated. I believe it is the intent to keep the Fuels Microscopy Laboratory going at Denver.

It's not too late to congratulate you and Betty on No. 3's arrival. Hope he is doing you right. We have a fourth - born on December 23, Bobby's birth date - named Elizabeth Ann. She's a real cutie and gets along swell with us all in that she sleeps through the night. Besides, she is irresistible when she throws a smile - which she does frequently.

Everyone here says to say "Hi!" Have you picked up that Texas accent yet? Thanks again for getting the slides here so quickly.

Very best wishes,

John H. Fleur
Administrative Assistant

Hunt Institute for Botanical Documentation

May 3, 1956

Mr. John H. Flgur
Lignite Research Laboratory
U. S. Bureau of Mines
Grand Forks, North Dakota

Dear John:

A note from W. S. Landers of the Denver station informed me of your need for some of the thin section Kodachromes I prepared while in Grand Forks, for use in an open house next week. These Kodachromes had been borrowed by me, per a memorandum to Mr. Perry, under the designation "slides", which included these transparencies as well as the thin sections themselves. My motive was to sort out the ones that I would like to have for my own records and have them duplicated. Because of the urgency of this request, I have thought it best to send you immediately, by air parcel post, the slide box and the slides that I have either already had duplicated or for which I have no further need. I hope that the box will arrive in time for your open house. The box contains 96 transparencies, including the thin section photomicrographs that you need. A further 41 transparencies are in the photo shop being duplicated and will be sent to you as soon as ready.

I leave to you and the people at Denver the solution of the problem of whether these are the property of the Denver or Grand Forks station. Presuming that the Fuels Microscopy Laboratory, which I so briefly graced in Denver, is to be a permanent feature, these slides should certainly be part of the collection of that laboratory. I have been hoping that a successor to me would be hired and that I could get together with him and explain my symbols, records, and so forth, so that the various slides and data I accumulated would not be lost. If the Fuels Microscopy Laboratory in Denver passes into limbo, it seems to me that the slides and data should be deposited in Grand Forks, where all of the work was done.

Best wishes to all of my friends around the Lignite Lab. Have you heard about the arrival of our #3? He is called John Insley and seems to be getting along well.

Very truly yours,

Alfred Traverse

AT:hmp

Shell Development Company
Exploration and Production Research

Hunt Institute for Botanical Documentation

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
Region V
Box LL, University Station
Grand Forks, North Dakota

July 30, 1952

Dr. Alfred Traverse
c/o General Delivery
Velva, North Dakota

Dear Doc,

Because Dr. Burr is present out of town, I have opened your personal letter to him and note that you want a word as to whether Mr. Bale should remain with the core drilling crew through August 7.

I have discussed this with Bob Ellman and feel that there is no other alternative. I believe the drilling at Hamar is at Dr. Burr's request. We would like to send someone else from here to assist in this matter, but no one is available. We thought about sending Bob Wills out, but he is going on leave before that time. I presume that you will return to Grand Forks about the end of this week.

We note that you were ill one day July 23rd. It will be necessary for us to charge you sick leave for the time that you were sick. Will you kindly advise us the number of hours for which you should be charged.

Dr. Burr has requested that we submit to you the Mineral Explorations Agreement covering the mine owned by the Dakota Briquets & Tar Products. Original and two copies are attached.

We are enclosing the new Bureau of Mines Employees' Handbook issued by the Bureau. It is requested that you and Harold sign the attached memos and return them to me. Minneapolis office has suggested that signatures be had for the issuance of this handbook.

Things here are going along as usual. We have had a few hot days with no rain. Your wife has dropped in at various times to check your mail.

Sincerely,

Enc.

Hunt Institute for Botanical Documentation

UNITED STATES
DEPARTMENT OF THE INTERIOR

BUREAU OF MINES
Box LL University Station
Grand Forks, North Dakota

September 27, 1951

Dr. Alfred F. Traverse
U. S. Bureau of Mines
4800 Forbes Street
Pittsburgh 13, Pennsylvania

Dear Dr. Traverse:

We haven't written to you in quite a little time now, so we are getting a short note off to you.

We have been quite busy here completing arrangements for the dedication of the laboratory. However, by this Saturday all should be done and forgotten.

As yet I haven't started looking for housing for you, but believe that we can take action right after the first of October. As you probably have noticed by the Grand Forks Herald, housing isn't too available in Grand Forks. However, there is always hope.

I have taken the two cards you filled out in regards to your blue cross over to the university business office. The girl who handles this over there would like to have you furnish your contract number. If you will do this at your convenience, we will appreciate it.

By this time you most likely will have been informed on the restrictions on annual leave brought about by Section 601 of the Independent Offices Appropriations Act of 1952. Until the passage of this section government employees were given 26 days of annual leave per year. Under this section only 20 days of annual leave will be granted to government employees. This is effective July 1, 1951. Because of this action it is necessary to reduce your annual leave by 7 hours, giving you an annual leave balance (as of the 16th of September) of 23 hours. You will be credited with 6 hours annual leave per pay period instead of the 8 previously credited.

Sincerely,

John H. Fleur

JOHN H. FLEUR
Administrative Assistant

Mrs Doris Matt deserves the pat on the back for the prompt arrival of the GF Herald. JHF

Hunt Institute for Botanical Documentation

U. S. Bureau of Mines
4800 Forbes St.
Pittsburgh 32, Pa.

8 October, 1951

Mr. John H. Fleur
U. S. Bureau of Mines
Box LL University Station
Grand Forks, North Dakota

Dear Mr. Fleur:

I have now completed the preparation of thin sections of the Zap column and am at work on the analytical study. A steel drum containing reserve material of the column has been shipped today to Grand Forks, collect on delivery. I shall probably want to use this coal for tests to compare with the thin sections.

I note the reduction in annual leave, as reported in your letter of September 27. I appreciate your prompt attention to the Blue Cross and Blue Shield business. The contract number data:

1850904 Blue Cross-Blue Shield Certificate number	5.5.51 Effective date, Blue Cross	5.5.51 Effective date, Blue Shield

0535012
Group number

This was an individual membership, which I petitioned in May to have changed to family membership as of my marriage, June 30.

The flood of our belongings will soon begin to hit Grand Forks. I am taking you at your word of July 26 and am sending things, principally books, to the laboratory. Since I have no other address in Grand Forks, this is unavoidable. Perhaps all of this stuff can be stored in my office-to-be until our arrival.

Thank you for all of your help.

Although I realize it will take until the end of the month for me to complete my program here.

Sincerely,

Alfred Traverse

Hunt Institute for Botanical Documentation

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
Box LL, University Station
Grand Forks, North Dakota

September 5, 1951

Dr. Alfred Traverse, Jr.
U. S. Bureau of Mines
4800 Forbes Street
Pittsburgh 13, Pennsylvania

Dear Dr. Traverse:

I'm sorry to hear that you have cancelled your proposed trip to Minneapolis. Dr. Burr felt that with the arrangements which had been made you could very nicely get to attend the meetings. However, you are in a much better position to judge that we are here. I hope that this is not too much of a disappointment to you.

In regard to the two questions which you have brought up, I would like a little info on one before going ahead on the matter. Your housing - what do you have in mind as to the size of the place, the amount you want to pay for rent, etc. - it may be that I won't be able to get exactly what you want but with an answer to these questions I'll have a better background to go on. Are you allergic to basement apartments? As far as University housing is concerned, it may be possible - I haven't checked yet - but they are not furnished. If University housing is obtainable would you be interested in purchasing your own furniture? I'm keeping a weather eye open in any case.

We here at the Lab do not have group insurance. However, this can be arranged for through the University. The dope on this is enclosed. Miss Betty Nelson, who is the group leader for the University of North Dakota, informs me that they make their payment in October. In any case, if you're interested in transferring, let me know and I'll get any additional particulars you need.

We're enjoying a great deal of rain here. Seems that now it has begun to rain, not one day can go by without a good shower. Best wishes to you. Give my regards to Mac.

Sincerely yours,

Elmer

Hunt Institute for Botanical Documentation

U. S. Bureau of Mines
4800 Forbes St.
Pittsburgh, Pennsylvania

10 September, 1951

Mr. John H. Fleur
U. S. Bureau of Mines
Box LL University Station
Grand Forks, North Dakota

Dear Mr. Fleur:

I was very pleased to get your letter of 5 September, with the information about Blue Cross and Blue Shield and the request for more information about my requirements for Grand Forks housing. It was good of you to act so promptly on these matters, for I think each of them needs fairly early action.

I am going to switch to the North Dakota Blue Shield and Blue Cross groups. The circulars you sent me make it obvious that the arrangements are the same as those in Massachusetts. I joined the Harvard group effective 5 May of this year, and my individual contract was converted to family contract, effective the last week of June. I was told at Harvard that I would retain the benefits of consecutive membership upon transfer to a new (i. e., North Dakota) group. That is, I would be figured to have become a member when I joined the Harvard group. I am paid up, I believe, until the 1st of November in the Harvard group but would like to have my contract transferred to the North Dakota group as soon as possible--sometime in October I suppose. I am enclosing the two cards you sent me, which I have filled out where it seemed possible. Please find out about this business of consecutive membership and what else must be added to the cards, then either file the cards for me or return them for completion, with instructions. If available, I want comprehensive common employer group family protection.

About housing: 1. We are both very dubious about a basement apartment--would only want it if nothing else is available.

2. Minimum accommodation: bathroom, kitchen, bedroom, living-dining room, adequate heating, convenient garage familities.

3. Location: preferably about a mile from the laboratories.

4. Price: this depends on the Grand Forks market, but I should think we could something in the 70-80 range.

5. If University housing is available and more reasonably priced than other housing, it probably would pay us, even if we have to buy furniture.

Hunt Institute for Botanical Documentation

Mr. John H. Fleur

Would you do three more things for me? 1. Call the Grand Forks Herald and have them start sending me their paper. Have it sent to me at 5808 Walnut St., Pittsburgh 32, and have me billed there. I will get it here until we leave Pittsburgh.

2. Have programs and so forth for the gala opening saved for me.

3. Ignore earlier request to forward books and journals. Keep everything but letters and first class mail of other kinds. Anything sent during this last six weeks will probably not be read and will only have to be shipped to Grand Forks.

All of you must be very busy at this time, and I am sorry that you have this constant stream of letters from me with which to deal. There seems no alternative--oh, well, only another six weeks.

Sincerely yours,

Alfred Traverse

Hunt Institute for Botanical Documentation

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
Box LL, University Station
Grand Forks, North Dakota

September 7, 1951

Dr. Alfred Traverse, Jr.
U. S. Bureau of Mines
4800 Forbes Street
Pittsburgh 13, Pennsylvania

Dear Dr. Traverse:

Just received your letter of September 5 and thought it advisable to send you a reply by return mail. By the time you receive this letter you will have had time to give me replies to the questions raised in my letter of September 5 concerning your housing desires.

The travel authorization which I discussed in my letter of August 30 was drawn up principly for the purpose of getting you to Minneapolis and return without putting you out too much. However, in view of your change in plans, you can consider the travel authorization cancelled. Travel authorization RVS-1, dated July 17, 1951, should cover any necessary travel you may need for visiting Urbana, Morgantown, and Columbus, on your way to Grand Forks.

Hope this takes care of your question.

Sincerely yours,

John H. Fleur

JOHN H. FLEUR
Administrative Assistant

Hunt Institute for Botanical Documentation

U. S. Bureau of Mines
4800 Forbes St.
Pittsburgh 13, Pennsylvania

31 August, 1951

Mr. John H. Fleur
Box LL University Station
Grand Forks, North Dakota

Dear Mr. Fleur:

Because of the refusal of administrative leave I have given up my plans to attend the meetings in Minneapolis. I do not have enough annual leave accrued for a five-day trip, and I could not attend a two-day meeting in the middle of the week with less time. It is out of the question for me to take leave-without-pay. One coal research man has just written me saying that I "can scarcely afford" to miss the meetings, and I am, of course, disappointed.

It is unsatisfactory for me to get my letters to other scientists written for me--my correspondents would wonder if I am illiterate. I shall write my letters, including those to Schopf, Cross, Kosanke, et al, about my visits to their laboratories, as personal correspondence.

I fully realize that neither of these things are in any way your fault, and I very much appreciate your efforts to save the trip to Minneapolis for me. The scientists in each of these stations I am to visit are, however, preparing for the meetings themselves and, even if I were ready, this would not be an auspicious time for me to visit them.

Two questions of a personal sort: 1. Could you help me get a place to live in Grand Forks? I think a place should be hired for us as of the first of November. If we arrive earlier, we can stay for a few days in a hotel. We have no (0) furniture and would like a furnished apartment to start, though I realize that finding one may not be as easy as it would be in a large city, and we can adjust to any situation which may arise. As I write this letter, Mr. F. J. McCormick, who comes in from time to time, suggests that it might be possible to get us into one of the university housing projects. I don't think that it's too early to begin working on this.

2. I have coverage in the Harvard group, Blue Shield and Blue Cross medical insurance. This covers me (and my wife) until sometime in October, then we must be transferred to whatever equivalent plan you folks have in Grand Forks. Will you send me complete information on your medical insurance schemes, especially Blue Shield and Blue Cross group plans?

Yours sincerely,

Hunt Institute for Botanical Documentation

UNITED STATES
DEPARTMENT OF THE INTERIOR

BUREAU OF MINES
Box LL, University Station
Grand Forks, North Dakota

August 30, 1951

Memorandum

To: Dr. Alfred F. Traverse, Jr., Technologist, Pittsburgh, Pa.

From: Chief, Station Services Section, Lignite Branch

Subject: Biweekly pay check

Attached is Treasurer of the United States check 18,650,818 issued to you in the amount of $266.98 covering your salary for the pay period ended August 18, 1951.

By this time you should have received the special travel authorization covering your side trips to Columbus, Morgantown, and Urbana, It would seem that this special authorization would be most suitable all the way around to permit you to attend the meetings in Minneapolis on September 11 and 12. If you get the opportunity, it might be a good idea to stop in at Region V Headquarters which is located in the Buzza Building, 2908 Colfax Avenue.

I hope that everything is going along fine for you. We're enjoying some cloudy and rainy weather here. It's been downpouring since about 7:30 and now its 9:30 so you can see that it's really wet.

John H. Fleur
JOHN H. FLEUR

Enclosure

Hunt Institute for Botanical Documentation

U. S. Bureau of Mines
4800 Forbes St.
Pittsburgh 13, Pennsylvania

5 September, 1951

Mr. John H. Flenn
U. S. Bureau of Mines
Box LL University Station
Grand Forks, North Dakota

Dear Mr. Fleur:

I have your memorandum of 30 August with its very welcome enclosure. The check was in time to keep me out of debtors' prison, if they have one in Pennsylvania. A check for the per diem allowance for July came in the same mail.

I am very puzzled about the part of your letter relating to the travel authorization. It makes no reference to my letter of August 21, which clearly set forth that I am not ready to visit Columbus and Urbana yet and cannot use them as a means of getting to the Minneapolis meetings. Inasmuch as I am not to attend the meetings, it would be foolish to spend time on the road which might be better spent here, and I shall hope to be able to stay on the job here until I am finished with my training, then proceed to Grand Forks by way of Morgantown, Columbus and Urbana. I plan to leave here on or before the 22nd of October.

All goes well with my training and life in Pittsburgh.

I am looking forward to hearing from you about this travel authorization business; I am sure that it will be satisfactorily straightened out by the 22nd of October, and I am very sorry for the extra labor it has involved for you and others. It is most difficult to arrange such complicated matters by mail, with crossing letters and so forth.

I hope also that you can find time to do some research on the question of housing in Grand Forks and about Blue Cross and Blue Shield, as requested in my letter of 31 August.

Yours sincerely,

Alfred Traverso

Hunt Institute for Botanical Documentation

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
Box LL University Station
Grand Forks, North Dakota

August 21, 1951

Dr. Alfred F. Traverse, Jr.
U. S. Bureau of Mines
4800 Forbes Street
Pittsburgh, Pennsylvania

Dear Dr. Traverse:

We have received a special travel order to cover your anticipated travel between Pittsburgh, Pennsylvania and Morgantown, West Virginia, and from Pittsburgh to Columbus, Ohio and to Urbana, Illinois and return to Pittsburgh. The Regional Office feels that the issuance of a new travel order to cover these particular trips would be better than to change the original order. The original order RVS-1 provides that reimbursement for travel would be paid you only to the extent that it did not exceed the cost of travel between Boston and Grand Forks. In the case of the trips from Pittsburgh and return to Pittsburgh it should not be necessary to use the expense of travel in order to determine the excess over cost of travel between Boston and Grand Forks. In other words, it is not felt that the trips between Pittsburgh and Columbus and Urbana should be covered by travel authorization RVS-1.

The Regional Office further advises that if you wish to attend the meetings at Minneapolis September 11 and 12, it is entirely satisfactory for you to take annual leave if a sufficient amount has been accumulated and is available. It would not be advisable in any case to grant administrative leave of so long a time as a week if you should proceed to Minneapolis directly from Pittsburgh. If the necessary accrued annual leave is not available, you should be placed on leave-without-pay status for the trip from Pittsburgh to Minneapolis. However, from all appearances the scheduling of your trip to Columbus and Urbana to permit you to proceed to Minneapolis from Urbana would permit you to use the annual leave which you have to your credit. By September 8 you should have approximately 26 hours of annual leave to your credit which should be sufficient to cover the time that you would be away from Urbana. If you are gone longer than three days it will be necessary that you be placed on leave without pay.

Hunt Institute for Botanical Documentation

Regional Office, in commenting on our letter of August 17 to you, suggested that it might be well to advise you to see that Time and Attendance report is placed in the mail on Friday evening at the end of each pay period in order that it may be received in Minneapolis on Monday so that it can be included on the regular payroll.

Mr. Selvig has written concerning the granting of authority for you to sign outside mail. At his suggestion we request that you refrain from writing to outside people during your training period. Should you desire to obtain information from people outside the Bureau, it is suggested that you request a member of the Pittsburgh staff who has authority to sign mail to write for you.

I hope that this matter is all straightened out, and that the changing back and forth has not interrupted your training. If we can be of any further help to you, please do not hesitate to write us.

Sincerely yours,

John H. Fleur

JOHN H. FLEUR
Administrative Assistant

Enc. RVS-8

Hunt Institute for Botanical Documentation

UNITED STATES
DEPARTMENT OF THE INTERIOR
Form No. 1-1020
Form Approved by Comp. Gen. U. S.
November 8, 1949

TRAVEL AUTHORIZATION

Bureau of Mines - Region V.
2908 Colfax Avenue South
3. Minneapolis 8, Minnesota
(Bureau or office)

1. No. RVS-8
2. August 20, 1951
(Date)

4. NAME Alfred F. Traverse, Jr.
5. OFFICIAL STATION Grand Forks, N. D.
6. TITLE Technologist (Coal)
7. ACCOUNTING OFFICE Minneapolis, Minnesota

You are authorized to travel as indicated below and to incur necessary expenses in accordance with applicable laws and regulations.

PLACES OF TRAVEL

8. FROM: Pittsburgh, Pa. to Morgantown, West Virginia and return to Pittsburgh, Pa.
9. TO: and from Pittsburgh, Pa. to Columbus, Ohio and to Urbana, Illinois and return to Pittsburgh.

10. PURPOSE AND REMARKS: In connection with training for work on North Dakota Lignite coal, to obtain information and observe methods necessary to your work assignment.

11. PER DIEM ALLOWANCE: $8.00

12. PERIOD OF TRAVEL: Beginning on or about August 20, 1951 Ending on or about Sept. 30, 1951

MODE OF TRAVEL

13. ☒ Common carrier 14. ☐ Extra fare 15. ☐ Government-owned conveyance
16. ☒ Privately owned automobile at mileage rate of 5 cents, subject to:
(a) ☐ Administratively determined to be to the advantage of the Government
(b) ☐ A showing of advantage to the Government
(c) ☒ Not to exceed cost by common carrier, including consideration of Per Diem allowance

MISCELLANEOUS

17. ☐ Transportation immediate family
18. ☐ Other (*specify*)
19. ☐ Shipment household goods and personal effects

ESTIMATED COST

20. Transportation $75.00
21. Per Diem
22. Other
23. TOTAL $75.00
24. CHARGED TO: 1420952
111.1100

25. (Fiscal officer's signature)

26. (Requestor's signature)
27. (Title)
28. Paul Zinner (Authorizing officer's signature)
29. Regional Director. (Title)

TRAVELER'S COPY

16—60176-1 GPO

Hunt Institute for Botanical Documentation

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
Box LL University Station
Grand Forks, North Dakota

August 17, 1951

Dr. Alfred Traverse
U. S . Bureau of Mines
4800 Forbes Street
Pittsburgh, Pennsylvania

Dear Dr. Traverse:

I am sorry it has taken so long for us to answer your letter of July 31st. I hope this did not inconvenience you in any way.

For your information, Dr. Holtz departed from Grand Forks Thursday morning, August 16th, and most likely will see you on Monday, August 20th.

I am attaching a copy of a letter we have written to Minneapolis today requesting that your travel order be modified to permit travel to Morgantown, West Virginia as a side trip from Pittsburgh, and also to authorize your travel to Columbus and Urbana, with a return to Pittsburgh thereafter. This will give you an opportunity to discuss your observations at these other points and avail yourself of the experience and judgments of those with whom you are working at Pittsburgh. You may desire to schedule your trip to Columbus and Urbana so that you might attend the paleobotanical meetings in Minneapolis. As Dr. Holtz informed you, your trip to Minneapolis must be at your own expense, and if you proceed from Urbana it may be necessary for you to take annual leave while in attendance at this meeting.

It is suggested that you submit the information concerning your expenses directly to the Region V office monthly, and that you submit the information covering your time from July 25th to the 31st immediately.

I hope this change in your routing does not serve to upset you in any way. We hope it will work out to your best advantage. As soon as we hear concerning the modification of your travel authorization, we will notify you.

Sincerely yours,

John H. Fleur

JOHN H. FLEUR
Administrative Assistant

Hunt Institute for Botanical Documentation

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
Box LL University Station
Grand Forks, North Dakota

August 17, 1951

Memorandum

To: Special Assistant to the Regional Director, Region V

From: Chief, Station Services Section

Subject: Travel Authorization - Alfred F. Traverse, Jr.

For your information, further discussion had with Dr. Burr concerning the training of Alfred Traverse has brought a change in the desired route of Mr. Traverse. The present plan is to have Mr. Traverse visit Morgantown, West Virginia for two or three days while he is on duty at Pittsburgh. He would then return to Pittsburgh to discuss matters which he has seen at Morgantown. Further, it is desired to have him travel to Columbus and Urbana and then return to Pittsburgh to discuss his studies there. This will give him an opportunity to ask any questions of the experienced personnel at Pittsburgh concerning his training at Urbana and Columbus. Could the travel order be changed to permit this travel?

Mr. Traverse has expressed a desire to attend the paleobotanical meetings at Minneapolis September 11 and 12, at which time he would give his paper on the Brandon lignite, and hear what other students of fossil plants have to say. His attendance at this meeting would be advantageous to us. It was thought that he could arrange his trip to Columbus and on to Urbana to allow him to be in Urbana around the 8th or 9th of September. He would then take annual leave and proceed at his own expense to Minneapolis to give his paper, and then return to Urbana. By this time he should have over three days leave coming.

If there is any objection to this arrangement, will you kindly let us know immediately so that we might inform Mr. Traverse of this fact. Would it be possible for him to obtain administrative leave of approximately a week if he should have to proceed to Minneapolis directly from Pittsburgh? Any suggestions you might have on this matter would be appreciated.

JOHN H. FLEUR

cc: Traverse ✓
Selvig

Hunt Institute for Botanical Documentation



WESTERN UNION

W. P. MARSHALL, PRESIDENT

1201

SYMBOLS
DL=Day Letter
NL=Night Letter
LT=Int'l Letter Telegram
VLT=Int'l Victory Ltr.

...time on telegrams and day letters is STANDARD TIME at point of origin. Time of receipt is STANDARD TIME at point of destination

1951 MAY 22 AM 11 16

BC130 MB057

GRA039 DL GOVT PD==GRAND FORKS NDAK 22 951=

ALFRED TRAVERSE=

BIOLOGICAL LAB HARVARD UNIVERSITY CAMBRIDGE MASS=

PETROGRAPHER POSITION HAS BEEN RECLASSIFIED TECHNOLIOGIST. YOUR APPOINTMENT CAN NOW BE APPROVED. ADVISE WHEN YOU CAN REPORT FOR DUTY AT PITTSBURG SO THAT PERSONEL PAPERS CAN BE PROCESSED. MEDICAL EXAMINATION FORMS BEING MAILED YOU FOR COMPLETION AND RETURN. LETTER FOLLOWS=

JOHN H FLEUR BUREAU OF MINES=

Hunt Institute for Botanical Documentation

Biological Laboratories
Harvard University
Cambridge, Massachusetts

24 May, 1951

Mr. John H. Fleur
Bureau of Mines
Box LL University Station
Grand Forks, North Dakota

Dear Mr. Fleur:

I was very pleased to get your wire the other day. Although you did not say that I have actually been appointed, it seems as if the way were pretty clear for the appointment. Inasmuch as I am to be married in Indianapolis in a month, it was more important than it might otherwise have been that I should have some idea where I am going to be next summer and thereafter, and I was very glad to hear from you.

I have thought ever since Dr. Burr described the job to me that the research opportunity is a wonderfully stimulating one, and both my fiancee and I are looking forward to the work in North Dakota very much.

My doctoral thesis was finished several weeks ago, and I am having my examination on it tomorrow. I anticipate no trouble. The degree will be officially conferred 21 June. Will you advise Dr. Burr of this?

Several problems occur to me on which perhaps you can help me. First, is it likely that the 25th of July will be acceptable as a date for beginning work?

2. To whom should I address inquiries at the Bureau of Mines in Pittsburgh? When the appointment is finally definite, I will want to know where to ship certain things, and in getting housing and so forth.

3. What is the attitude of the Bureau on its personnel attending scientific meetings? I should like to give a paper at the paleobotanical meetings in September.

Yours sincerely,

Alfred Traverse

Hunt Institute for Botanical Documentation

UNITED STATES
DEPARTMENT OF THE INTERIOR

BUREAU OF MINES
Box LL University Station
Grand Forks, North Dakota

May 22, 1951

Mr. Alfred Traverse
Biological Laboratories
Harvard University
Cambridge, Massachusetts

Dear Mr. Traverse:

We have received word that the position of Technologist (Coal), GS-9, has been allocated and that authority to recruit for applicants has been received from the Civil Service Commission.

In accordance with our previous correspondence, you are hereby notified that personnel papers will be processed to effect your appointment to this position. We have on file your application dated December 1, 1951 covering your experience and education up to that time. It is requested that you submit information on the attached SF-58, Experience and Qualifications Sheet, covering your experience and education since the first of December.

We are also attaching a Certificate of Medical Examination which you are requested to have completed as soon as possible and returned to us. In connection with your medical examination, it is suggested that you contact a local government agency to determine the approved government doctors in your locality. It may be that there is a full-time public health surgeon available who will conduct the examination.

Also enclosed is a questionnaire which we use to complete the request for loyalty check. Will you kindly complete this and have your finger prints taken on the SF-87, Fingerprint Chart, attached.

Don't let all these forms scare you out, as we are quite anxious to complete processing of your personnel action as quickly as possible. Please advise when you will be able to report for work at Pittsburgh in order that we may complete arrangements at that point.

Sincerely yours,

John H. Fleur

JOHN H. FLEUR
Administrative Assistant

Encs.

Hunt Institute for Botanical Documentation

STANDARD FORM NO. 14
APPROVED BY THE PRESIDENT
MARCH 10, 1926

TELEGRAM

OFFICIAL BUSINESS—GOVERNMENT RATES

FROM _____

BUREAU of Mines

CHG. APPROPRIATION 1410952

May 22, 1951

U. S. GOVERNMENT PRINTING OFFICE 10—1723

Day Letter

Mr. Alfred Traverse
Biological Laboratories
Harvard University
Cambridge, Massachusetts

Petrographer position has been reclassified technologist. Your appointment can now be approved. Advise when you can report for duty at Pittsburgh so that personnel papers can be processed. Medical examination forms being mailed you for completion and return. Letter follows.

JOHN H. FLEUR

Confirmation ✓

Hunt Institute for Botanical Documentation

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
Box LL University Station
Grand Forks, North Dakota

May 2, 1951

Mr. Alfred Traverse
Biological Laboratories
Harvard University
Cambridge, Massachusetts

Dear Mr. Traverse:

In order to keep you informed as to the status of the Petrographer position, we wish to advise that the position has now been reallocated and re-named so it now bears the title of Technologist (Coal). This in no way changes the duties of the position, nor the grade thereof. However, it is felt that the reclassification of this position will speed up the appointing process.

You will be advised further of developments as they occur.

Sincerely yours,

John H. Fleur

JOHN H. FLEUR
Administrative Assistant

Hunt Institute for Botanical Documentation

UNITED STATES
DEPARTMENT OF THE INTERIOR

BUREAU OF MINES
Box LL University Station
Grand Forks, North Dakota

April 5, 1951

Mr. Alfred Traverse
Biological Laboratories
Harvard University
Cambridge, Massachusetts

Dear Mr. Traverse:

Your letter of March 20th apparently crossed in the mail with our letter to you of the same date.

In order to keep you informed as to the progress of your prospective appointment, Dr. Burr suggested that I drop you a short note to let you know that we are following this action very closely. The papers have been sent in to our Minneapolis office and they have, in turn, forwarded them to the Washington office for further consideration. Dr. Burr wrote a very strong letter of recommendation pointing out why your appointment should be approved. His statement was forwarded to the Washington office on March 26th. As yet no reply has been received.

It is still our plan to have you begin work at Pittsburgh should the appointment be approved. As soon as we have word, either approving or disapproving this appointment, we will notify you.

Very truly yours,

John H. Fleur

JOHN H. FLEUR
Administrative Assistant

Hunt Institute for Botanical Documentation

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
Box LL University Station
Grand Forks, North Dakota

March 20, 1951

Mr. Alfred F. Traverse, Jr.
Wigglesworth Hall, K-22
Harvard Yard
Cambridge 38, Massachusetts

Dear Mr. Traverse:

This is to notify you that most of the red tape concerning your appointment to the staff of this station as Petrographer has cleared up. We have been told that there is no list of eligibles and we have been given authority to recruit for the position.

We have today recommended your appointment to the position. I hope that the recommendation goes through and that in due time we may welcome you to the staff.

Sincerely yours,

for Johnston Fleur
ALEX. C. BURR
Chief, Fuels-Technology Div.
Region V

Hunt Institute for Botanical Documentation

Biological Laboratories
Harvard University
Cambridge, Massachusetts

20 March, 1951

Dr. Alex C. Burr
Box LL, University Station
Grand Forks, North Dakota

Dear Dr. Burr:

I have Mr. Fleur's letter of 9 February, acknowledging my letter of 14 January to you and my application papers, etc., of the same date. Could you let me know, even if informally, with what degree of certainty I can depend on appointment to the position with the Bureau?

Commencement here is 22 June, I am to be married 30 June and would like to report for work at Pittsburgh about 15 July for the training period you described. If I am fairly certain to be in Pittsburgh for three months beginning in July, I should begin dickering with Pittsburgh friends for a summer sublet there, and there are numerous other arrangements which should be made.

Sincerely yours,

Alfred Traverse

Hunt Institute for Botanical Documentation

UNITED STATES
DEPARTMENT OF THE INTERIOR

BUREAU OF MINES
Box LL University Station
Grand Forks, North Dakota

February 9, 1951

Mr. Alfred F. Traverse, Jr.
Wigglesworth Hall, K-22, Harvard Yard
Cambridge 38, Massachusetts

Dear Mr. Traverse:

Dr. Burr has requested that I inform you that your papers have been forwarded to our regional office at Minneapolis with the request that appointment to the position of Petrographer, GS-9, be made. Before appointment can be made, however, Civil Service authority must be obtained and appointment will be made subject to receiving such authority.

Upon receiving further advice from our regional office, you will be notified and requested to advise when you can report for duty. As I understand it, Dr. Burr desired that you spend two to three months at Pittsburgh in the Bureau of Mines Laboratory at that point, and stop over enroute to Grand Forks at some School in Iowa. Further arrangements will be made with you on this matter upon completion of appointment procedures.

Sincerely yours,

John H Fleur

JOHN H. FLEUR
Administrative Assistant

Hunt Institute for Botanical Documentation

MATÉRIEL CINÉMA MUET
ET SONORE

APPAREILS
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CREIL (OISE)

TÉLÉPHONE 136

R. C. SENLIS 59 A 162 — C. C. P. PARIS 3562-36

Le 28 Septembre

Dr ALFRED TRAVERSE
529 Deike Building
PENSYLVANIA STATE UNIVERSITY
UNIVERSITY PARK Pa 16802

Monsieur,

Nous avons l'avantage de vous accuser reception de votre commande du 24/8/1973 et vous en remercions.

Les 3 premieres editions sont en réédition et nous pensons pouvoir vous faire l'envoi des 4 collections dans le courant du mois de novembre prochain.

Veuillez agreer Monsieur l'expression de nos sentiments distingués.

Hunt Institute for Botanical Documentation

Flora North America

QUESTIONNAIRE

International Register of Research in Plant Systematics

A Computerized Census of Specialists
and Their Specialties and Current Projects

A Project of the

Flora North America Program

Sponsored by

American Society of Plant Taxonomists (ASPT), Botanical Society of America (Systematic Section), Canadian Botanical Association-L'Association Botanique du Canada (CBA-ABC), International Association for Plant Taxonomy (IAPT), and International Organization of Plant Biosystematists (IOPB)

Please complete this questionnaire and return it as soon as possible to the **FNA Secretariat, Smithsonian Institution, Washington, D. C. 20560, U.S.A.**

Additional copies may be obtained from the FNA Secretariat for your colleagues and students, and your cooperation in putting this questionnaire into their hands will help to ensure complete coverage of the international community of plant systematists and closely allied specialists.

The questionnaire consists of two parts which are designed to permit you to distinguish between your major specialities or long-term research interests on the one hand and your specific current projects on the other hand. Both parts should be completed and submitted at the same time. The results of Part I, "Research Specialties," will be used to publish a new edition of the IAPT *International Directory of Specialists in Plant Taxonomy* (1958), and the results of Part II, "Current Projects," will be used to publish a new edition of the ASPT *Index to Current Taxonomic Research* (1970).

Please read the accompanying "Announcement" before completing the questionnaire. Note that your name will be included in the International Register of Research in Plant Systematics only if you complete and return this questionnaire. Persons currently listed in the IAPT *Directory* or ASPT *Index* will not be included automatically without submitting new information. Note also Question 14 which asks you to specify what you may be willing to contribute to Flora North America. Any taxonomist in the world may propose contributions.

Hunt Institute for Botanical Documentation

Please type or print plainly.

1. DATE 14-I-72 2. TELEPHONE 814-865-2[illegible]
(area code, number)

3. NAME TRAVERSE ALFRED
last (family) first (given) middle (patronymic)

Give full name and spelling above. Write name as you ordinarily use it on the line below, e.g., S. John Smith, James C. Jones.

Alfred Traverse

4. BIRTH PLACE PORT HILL P.E.I. CANADA
city state/province country

5. BIRTH DATE 7 - SEPTEMBER - 1925
day/month (spell out)/year

6. POSITION PROFESSOR OF GEOLOGY & BIOLOGY
(professor of botany, curator of lichens, graduate student, etc.)

7. ADDRESS GEOSCIENCES, 529 DEIKE BLD.
department institution

PENNSYLVANIA STATE UNIV., UNIV. PARK,
street city

PA. 16802, USA
state country zip/zone no.

Hunt Institute for Botanical Documentation

PART I. RESEARCH SPECIALTIES

8. FIELD OF SPECIALIZATION ..... PALYNOLOGY - 60 .....

Select one or more terms from "List of Specialty Descriptors" on separate page and print either the words or their corresponding numbers in the blank above. A general term (e.g., systematics) or a specific term (e.g., cytotaxonomy) may be used. A general term of one category may be combined with a specific term of another category, e.g., bryology and cytotaxonomy. In listing more than one specialty, be sure to indicate the priority (1st, 2nd, etc.)

9. GEOGRAPHIC AREA OF INTEREST ..... TEXAS, PENNSYLVANIA .....

..... NORTHEAST USA, NORTHERN USA .....

(state/province, country, other region)

Specify major plant group ..... FOSSIL POLLEN OF ANGIOSPERMS .....

(bacteria, algae, fungi, mosses, liverworts, lichens, pteridophytes, phanerogams, other)

Use the most general terms applicable, e.g., northern South America, Australia. Plant group(s) of interest within the area(s) specified should be designated broadly. Purpose of question is to establish general interests; well-defined floristic specializations should be reported in Q. 11.

10. GEOLOGIC AGE OF INTEREST ..... DEVONIAN TRIASSIC CENOZOIC .....

For paleobotanists or others dealing with fossil materials. Answer in general terms, reserving well-defined specializations for Q. 11.

11. TAXA OF SPECIALIZATION. List here the major taxonomic groups on which you have specialized taxonomically, floristically, or otherwise. Use the most inclusive taxon applicable in each case, grouping smaller taxa when appropriate. The taxon for a floristic specialty, for example, might be "vascular plants." For taxa below the rank of family, indicate family parenthetically, e.g., **Carex** (Cyperaceae). Keep the answers as general as possible without misrepresenting your specialization. **Please limit yourself to your three most important specialties.**

Taxon 1 ..... VASCULAR PLANTS .....

Use highest meaningful category.

Geographic Area ..... TEXAS, PENNSYLVANIA .....

If applicable.

Geologic Age ..... TRIASSIC, DEVONIAN, HOLOCENE, TERTIARY .....

If applicable.

Primary Emphasis (Methodology) ..... 30 - PALYNOLOGICAL .....

Use terms from "List of Methodology Descriptors" on separate page, printing the words or their corresponding numbers in the blank above.

Description ..... EVOLUTION OF FOSSIL PALYNOMORPHS .....

If necessary to clarify specialization.

SEDIMENTATION OF PALYNOMORPHS

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Taxon 2 .....

Geographic Area .....

Geologic Age .....

Primary Emphasis .....

Description .....

Taxon 3 .....

Geographic Area .....

Geologic Age .....

Primary Emphasis .....

Description .....

12. OTHER SPECIALIZATION. List here only specialties that clearly are not focussed on particular taxa, e.g., information retrieval in the herbarium, some types of specializations in bibliography and botanical history.

PHYTOCHEMICAL INFORMATION STORAGE & RETRIEVAL

13. DETERMINATIONS. If you are willing to determine specimens of certain taxa for others, please indicate which taxa and specify any geographic or other restrictions.

	Taxon	**Geographic or Other Restrictions**
(1)	.....	.....
(2)	.....	.....
(3)	.....	.....

14. FLORA NORTH AMERICA. List the taxa you might be willing to treat for the FNA diagnostic manual. The information gained from this question will be used by the FNA Editorial Committee to create a computerized file of potential contributors to FNA. Taxa you are planning to study within the next year or two may be included with taxa you have already studied, and there is no limit to the number that may be listed. Be sure to indicate any geographic or other restrictions on your interests. **Your answers will not commit you,** but only advise the Editorial Committee of your interests.

(1) .....

(2) .....

(3) .....

(4) .....

(5) .....

(6) .....

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Taxon 3 .....

Geographic Area .....

Geologic Age .....

Primary Emphasis .....

Description .....

Major Publication in Progress .....

.....

16. OTHER PROJECTS. List projects that clearly are not focussed on particular taxa, e.g., computerization of Greene Herbarium.

1) PALYNOLOGY OF PLEISTOCENE & RECENT SEDIMENTS IN BLACK SEA

2) " " TRIASSIC ROCKS OF TEXAS AND EASTERN N. AMERICA

3) .....

4) " " OF DEVONIAN ROCKS OF CENTRAL PA.

5) COMPUTER-BASED STORAGE OF PALYNOLOGICAL DATA — ESPECIALLY THE SYSTEMATIC DATA COVERED BY THE CATALOG OF FOSSIL SPORES AND POLLEN.

Hunt Institute for Botanical Documentation

November 3, 1969

Mrs. Linda E. Florer
P.O. Box 608
Tuxedo, New York 10987

Dear Linda:

Thanks foryyours of 22 October and the nice statement about the convention here last week. Under separate cover I have sent a copy of one of the two papers by Ginsburg and me about the Bahamas--unfortunately, the longer paper is completely exhausted. It was published in Marine Geology (see references in the short paper) and contains a great deal more information. This is the first time in my professional career that all copies of a reprint have disappeared!

Best regards.

Yours very truly,

Alfred Traverso
Associate Professor of Geology
and Biology

AT:kc

Hunt Institute for Botanical Documentation

NEW YORK UNIVERSITY MEDICAL CENTER
Institute of Environmental Medicine

550 FIRST AVENUE, NEW YORK, N.Y. 10016
AREA 212 679-3200

ANTHONY J. LANZA RESEARCH LABORATORIES AT UNIVERSITY VALLEY
LONG MEADOW ROAD, STERLING FOREST, TUXEDO, N.Y.
MAIL AND TELEPHONE ADDRESS: 550 FIRST AVENUE, NEW YORK, N.Y. 10016

P.O. Box 608
Tuxedo, New York, 10987

October 22, 1969

Dr. Alfred Traverse
The Pennsylvania State University
Assoc. Professor
University Park, Pennsylvania 16802

Dear Al:

We have placed the pumpkin in a place of honor in our lab. Many thanks for the pumpkin and for a delightful and stimulating conference. You suggested that I write and remind you to send me a copy of your paper (with Ginsberg) on the great Bahama Group.

Looking forward to seeing you at next year's meeting, if not before.

Sincerely,

Linda

Linda E. Florer

Hunt Institute for Botanical Documentation

NATIONAL SCIENCE FOUNDATION

PROPOSAL EVALUATION FORM

NSF Form 1 (4/84)
Supersedes All Previous Editions

PROPOSAL NO.	INSTITUTION	PLEASE RETURN BY
INT-8722909	Geological Survey-Denver	01/15/88

PRINCIPAL INVESTIGATOR	NSF PROGRAM
Renee M. Flores	NEW ZEALAND

TITLE: Depositional Models of Coals in the Tertiary Coal Measures of the Buller Coalfield, New Zealand

Please evaluate this proposal using the criteria presented on the back of this review form. Continue on additional sheet(s) as necessary.

The proposal lists a great many things to be done, and one cannot really evaluate exactly what will be accomplished by Dr. Flores--surely only part of the many things mentioned? Clearly the New Zealand authorities will benefit from having an essentially free consultant--co-investigator to work on the general geology of the coalfield, and (as the proposal stresses) to teach them depositional modelling. Clearly some good information will be generated about the Buller coalfield. Some of the people listed as co-workers in NZ are known to me and they are excellent. There isn't much else to be said. Dr. Flores is a very talented researcher with an excellent record. Would it not be better for him to concentrate on the vast American Cenozoic coal fields, many of which are a day's drive from his headquarters? I note that the idea is expressed that he will learn from New Zealand much that will be applicable in North America. I return to my opening remark--too much is really proposed here in a very broad-stroke way, and this makes it very hard for me to evaluate the specifics. The trips seem really to be proposed not because of pressing, identifiable, specific needs, but because Dr. Flores and his section would benefit from his broadening his horizons, and the New Zealanders would welcome his activity in the Buller field. In brief, my objections are not to the proposer, or to the general idea, but to this particular document, which is pretty hard to believe.

(I confess a slight bias against the concept of U.S. government scientists obtaining NSF grants. Somehow that seems questionable unless there really are no non-government equally qualified applicants. The idea of a government agency getting overhead from NSF is to me mind-boggling.)

OVERALL RATING: ☐ EXCELLENT ☐ VERY GOOD ☒ GOOD ☐ FAIR ☐ POOR

REVIEWER'S SIGNATURE: Alfred Traverse

REVIEWER'S NAME (TYPED)

OTHER SUGGESTED REVIEWERS (OPTIONAL)

Dr. Alfred Traverse
Department of Geosciences
Pennsylvania State University

REVIEWER'S COPY

Hunt Institute for Botanical Documentation

Dear Dr. Traverse:

I did not receive a copy of the advance brochure and would appreciate receiving one. Both Dr. Heusser and I commented on the cover design- will try for pumpkin.

linda e. florer

Hunt Institute for Botanical Documentation

16 April, 1966

Florida Atlantic University
Boca Raton, Florida

Dear Sirs:

I have been teaching here this year as visiting lecturer in geology on a one-year basis, in order to get experience in college teaching. I am now looking for a more permanent arrangement. I have thoroughly enjoyed teaching here, and am convinced that college work is for me. I believe that the department chairman here would substantiate my assertion that my teaching has been successful and well received. I have taught courses in historical geology and (at graduate level) palynology-paleobotany. However, as is probably apparent from the enclosed sheets, I have a very broad background and actually could teach biology as well as geology or better, and advanced courses in plant morphology and plant taxonomy.

It occurred to me that you might have use for someone with my background in your expansion plans. If so, I can be reached at the above address.

Yours very truly,

Alfred Traverse

Alfred Traverse

Enclosure: biographic material

Hunt Institute for Botanical Documentation

12 April, 1966

University of South Florida
4202 Fowler Ave.
Tampa, Florida 33620

Dear Sirs:

I have been teaching here this year as visiting lecturer in geology on a one-year basis, in order to get experience in college teaching. I am now looking for a more permanent arrangement. I have thoroughly enjoyed teaching here, and am convinced that college work is for me. I believe that the department chairman would substantiate my assertion that my teaching has been successful and well received. I have taught courses in historical geology and (at graduate level) palynology-paleobotany. However, as is probably apparent from the enclosed sheets, I have a very broad background and actually could teach biology as well as geology, and advanced courses in plant morphology and systematic botany. I am also research-minded, and have papers in press (in addition to those listed on the enclosed sheets) on palynology of Great Bahama Bank.

It occurred to me that you might have use for someone with my background in your expansion plans. If so, I can be reached at the above address.

Yours very truly,

Alfred Traverse

Alfred Traverse

Enclosure: biographic materials

Hunt Institute for Botanical Documentation

November 18, 1971

Mrs. Jarus Flowers
Flowers Ranch
Tule Canyon Vicinity
Near Silverton, Texas

Dear Mrs. Flowers:

This is to thank you most sincerely for the assistance that you gave us several weeks ago by allowing us to go into the canyon at the back of your ranch to get some samples ~~of~~ rock for analysis. We were astonished by the magnificent beauty of the canyon back there and I personally feel very bad to think that that gorgeous country will be flooded, which it will if I understood you correctly. There certainly are some magnificent rock formations, and interesting weathering and erosion phenomena, as well as much of beauty in the way of vegetation. Anyway, we appreciated your letting us get onto your place, and I very much wanted to thank you for the courtesy you extended us.

Best wishes to you.

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT/vsi

Hunt Institute for Botanical Documentation

DEPARTMENT OF BIOLOGY

UNIVERSITY OF UTAH
SALT LAKE CITY 1

December 30, 1958

Mr. Alfred Traverse
3737 Bllaire Boulevard
Houston 25, Texas

Dear Mr. Traverse:

Your specimen of moss, Number 505, proved to be a difficult customer. I have had a go at it from time to time and it does not correspond exactly to anything I have. Of course, the whole genus Philonotis is extremely variable and the species are by no mean sharply defined. The present plant borders between Philonotis fontana (Hedw.) Brid. and Ph. americana Dismier. I am inclined to favor Ph. fontana as the leaves are scarcely plicate and many of them are flat on the margins although doubly serrate, at least in most of them. Typical Ph. americana is even more robust that the present specimen and the leaves are much broader and strongly plicate, widely recurved on both margins and strongly serrate with double projuctions.

Thanks for the specimen

Sincerely yours,

Seville Flowers

Seville Flowers

Hunt Institute for Botanical Documentation

November 14, 1958

Dr. Seville Flowers
University of Utah
Salt Lake City, Utah

Dear Dr. Flowers:

I am enclosing a specimen of my number 505. Dr. Eula Whitehouse determined this as Philonotis americana (no author reference), but suggested that I send a specimen to you to determine. I should appreciate having your determination, and of course, you may keep the specimen if you want it.

I certainly appreciate your offer to do this for me, per your postcard of October 16, 1958.

Very truly yours,

Alfred Traverse

AT:mpd

Enclosure

Shell Development Company
Exploration and Production Research Division

Hunt Institute for Botanical Documentation