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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.

27 September, 1966

Dr. P. A. Hacquebard  
Geological Survey of Canada  
Coal Research Section  
601 Booth St.  
Ottawa, Ontario  
Canada

Dear Piet:

In the course of assuming duties here as editor of the Catalog of Fossil Spores and Pollen I have come across a series of photos that were borrowed from you (as far as I can tell) in connection with extending Catalog coverage to your paper with Barss (Volume 20). I return the photos herewith, along with thanks for your cooperation and patience. I am sorry that it has taken so long to get these things back to you.

Enjoyed seeing you again last fall. Thought I might again have the privilege at Utrecht last month and am sorry that you couldn't make it. It seemed to me that the affair was a sort of high-water mark for palynology. There were many fine papers and much useful discussion. Apparently, after all the pro-and-anti-Indian pulling and hauling is over with, there will be a permanent interantional organization.. Dr. Nair's efforts, however you view them, certainly served to stimulate such organization.

Best wishes as ever.

Yours very truly,

*Alfred Traverse*

Alfred Traverse, Editor  
Catalog of Fossil Spores and Pollen

29 September, 1966

Mr. Wade H. Hadley, Jr.  
Gulf Oil Corporation  
P. O. Box 910  
Coral Gables, Florida 33134

Dear Mr. Hadley:

Thanks for your response to ours of 21 September, re the planned discontinuance of Option C.

In answer to your question, re meshing of the 25 volumes that you now have with what will be available: it would be possible to have your punched cards put in binders--I suppose that somewhere in Miami there is bound to be a paper dealer who is prepared to do this, if not, a printer in your vicinity could probably do it. On the other hand, if you wanted to stay in the card format, you might reconsider your decision and get Option A, which is on card stock, albeit a slightly larger size (very slightly) than C. We contemplate making A indefinitely. The ideal situation for those who can afford it, is to have both A and D, the latter for shelf use and reference, A filed as cards, according to some morphological system.

Let me know what you decide. For the time being, I'll defer changing your subscription to D.

Yours very truly,

*Alfred Traverse*

Alfred Traverse, Editor  
Catalog of Fossil Spores and Pollen

June 24, 1971

*McMillan*  
Hafner Publishing Co., Inc.  
Collier McMillan Distribution Center  
Riverside, New Jersey 08075

Dear Sirs:

I have been using your book, Fagri & Iversen, "Textbook of pollen analysis", as the textbook for my course in palynology for five years here. I am thinking of also using your recently republished book by R.P. Wodehouse, "Hayfever plants", beginning next year. Would it be possible for me to have a professor's copy of this book?

Yours very truly,

Alfred Traverse  
Professor of Geology & Biology

AT/vsi

January 13, 1967

Hafner Publishing Company  
31 East 10th Street  
New York, New York 10003

Dear Sir:

I would appreciate having a list or catalog of your publications in geology, paleobotany<sup>and</sup> botany.

I am especially interested in Seward's four volume "Fossil Plants"--is it available by the volume?

Yours very truly,

Alfred Traverse  
Associate Professor of Geology

AT:kaw

Dear Traverse,

thank you for the delightful Christmas card. As you probably have seen I plan to go to Tucson for the pal. conference. I also intend to participate the excursion to old Mexico, and I wonder whether you have room for me and would be so kind to take me with you from Houston to Brownsville? It is good flight connection with Houston, but it is more complicated to arrange for birth to Brownsville from here.

In case I can go with you, please write and tell me when I have to be in Houston, so that I can arrange for my travel in time. Somebody has told me that you intend to go by your own car, probably Paul Martin.

Bergen, Febr. 19th 1962

Best to you and your wife

*MJ*  
*Hafsten*

THE UNIVERSITY OF TEXAS AT DALLAS

BOX 30365  
DALLAS, TEXAS 75230  
(214) 231-1471

December 10, 1971

Dr. Alfred Traverse  
Dept. of Geology and Geophysics  
Penn. State University  
University Park, Pennsylvania  
16802

Dear Dr. Traverse:

Thank you very much for your letter on Dr. James Urban. It will help us greatly in coming to a decision.

Yours sincerely,

*Anton Hales*

Anton L. Hales  
Chairman  
Geosciences Division

ALH:eq

*Your remarks about Urban being already  
an Associate Professor is especially helpful  
yhs.*

December 1, 1971

Dr. Anton L. Hales  
Geosciences Division  
University of Texas at Dallas  
P.O. Box 30365  
Dallas, Texas 75230

Dear Dr. Hales:

I have your letter of 22 November regarding Jim Urban. I am surprised to learn that he is not already at least an associate professor and I would like to assure you that all of us in the profession feel that he is very competent, hard working and imaginative. Much of his research, particularly in respect to the use of the scanning electronmicroscope is regarded by most of us as pioneering. I know little about his teaching, but he presents a good paper orally, and I would guess that he would be effective in the classroom. I cannot imagine that he would do other than reflect credit on UTD.

Yours very truly,

Alfred Traverse  
Professor of Geology & Biology

AT/vsi

THE UNIVERSITY OF TEXAS AT DALLAS

BOX 30365  
DALLAS, TEXAS 75230  
(214) 231-1471

November 22, 1971

Dr. Alfred Traverse  
Dept. of Geology and Geophysics  
Penn. State University  
University Park, Pennsylvania  
16802

Dear Dr. Traverse:

*file*  
We are, at present, considering the promotion  
of ~~Dr. James Urban~~ to Associate Professor and  
hope that you will be able to help us by giving  
us your assessment of his research and teaching  
in palynology.

Yours sincerely,

*Anton L. Hales*  
Anton L. Hales  
Chairman  
Geosciences Division

AJH:eq

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

14 April, 1987

Dr. Stephen A. Hall  
Department of Geography  
University of Texas  
Austin, TX 78712-1098

Dear Steve:

Believe it or not, IAA's options for payment are too much for the average person to keep straight. I sent a check for \$25 to Almqvist & Wiksell in mid-December, 1986, for Grana. Is that the 1987 payment to which you refer?

I believe the solution to this tiny problem is to give us only one choice of options--either you get Grana or not. If you get it, you pay \$35.00 to IAA, not to Alm. & Wik., period. If I can remember, that's what I'd like to do in the future.

In any event, I enclose \$10.00, assuming that the \$25 to A. & W. last Dec. was the \$25.

Best wishes.

Yours very truly,

Alfred Traverse  
Professor of Palynology

AT/et  
encl: check for \$10 and dues notice

3 November, 1986

Dr. Stephen A. Hall  
Department of Geography  
University of Texas  
Austin, TX 78712-1098

Dear Steve:

Thanks for yours of 27 Oct. re Grana and IAA. I believe I understand everything, but it is a little complicated.

Sorry you missed AASP--the Haussers ran a good little Pleistocene show as part of it. I can't make GSA in San Antonio, because it is too close on the heels of AASP. Sooner or later AASP may have to consider meeting with GSA or SEPM or AAPG, but there will be resistance to the change.

Best.

Yours very truly,

Alfred Traverse  
Professor of Palynology

AT/et



DEPARTMENT OF GEOGRAPHY  
THE UNIVERSITY OF TEXAS AT AUSTIN

Austin, Texas 78712-1098 • (512) 471-5116

October 27, 1986

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

Dear Al:

Finally, a response to your letter concerning IAA dues and Grana subscription.

Your IAA dues, according to my records, are paid through 1987. Also, you have paid for both a 1985 and 1986 subscription to Grana. If you have not received Grana (we have all had trouble getting it), let me know.

So, when dues notices are sent out for 1987, ignore yours. Of course, you will want to resubscribe to Grana, still only \$25.00 to IAA members. You can subscribe through me or by sending \$25.00 in an international money order to Almquist & Wiksell in Stockholm (address in Grana).

Best wishes on your new book.

Sincerely,

*Steve*

Stephen A. Hall  
Associate Professor

SAH/gw

*I won't be able to attend AASP in New York,  
but may see you elsewhere - GSA in  
San Antonio?*

Department of Geology & Mineralogy  
University of Michigan  
Ann Arbor, Michigan 48104  
November 23, 1973

Dear Dr. Traverse:

Thank you for your letter and papers. Last week at the GSA meetings in Dallas I briefly talked with A. T. Cross about recycled pollen. Since my earlier letter to you I have counted a sample (late Quaternary alluvium of New Mexico) which contains 95% recycled Cretaceous spores, megaspores, and pollen--a concentration of 12,500 grains per cubic centimeter of sediment! I anticipate a trend in the amount of recycling but it will be a few months before the results are together. Again, thank you for your comments and papers. I will send you a copy of the published version of my thesis, and I would appreciate being placed on your mailing list. At present I am looking for an academic job to begin September 1974; I'll send you my new address as soon as there is one.

Sincerely yours,

*Stephen A. Hall*

Stephen A. Hall

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

27 August, 1986

Dr. Stephen A. Hall  
IAA  
Department of Geography  
North Texas State University  
Denton, TX 76203

Dear Colleague:

In the Jan. 86 IAA Newsletter your address is given as Austin (p. 4) and Denton (p. 2 & 35)--I'm going with the majority.

I'm sorry to bother you, but can you check up on three things for me:

1. Am I paid up for IAA?
2. Did I pay so as to include Grana? If not, I'd like to change that, and pay so as to include the journal.
3. Does one receive a dues notice, or should one pay from the blank in the Newsletter?

Best wishes.

Yours very truly,

Alfred Traverse  
Professor of Palynology

AT/et

November 2, 1973

Mr. Stephen A. Hall  
Department of Geology & Mineralogy  
University of Michigan  
Ann Arbor, Michigan 48104

Dear Mr. Hall:

Thank you very much for yours of 26 October, with the interesting information about results from your work with fluvial sediments in the Quaternary of New Mexico. I am not at all surprised with recycled pollen and spores amounting to 13 percent of total palynomorphs. Indeed, in the Gulf of Mexico I have seen cases where recycled pollen ran much higher than that. Under separate cover I am sending you the papers which you requested. I have done considerably more work in pollen sedimentation, but the great bulk of it remains unpublished, having been done when I was with Shell Oil Company. There is a fair sized literature by other authors also on both the pollen sedimentation question which you have an interest and in recycled spores. Regarding pollen sedimentation, you could do a great deal worse than to get in touch with Professor Aureal T. Cross at Michigan State University, whose work in the Gulf of California is very interesting in this connection. I just returned from the annual palynological meeting at Anaheim, California, where Cross presented a most interesting summary of the current status of his work.

Best wishes to you in your work.

Yours very truly,

Alfred Traverse  
Professor of Geology & Biology

AT/vsi

Dept. of Geology & Mineralogy  
University of Michigan  
Ann Arbor, Michigan 48104  
October 26, 1973

Dear Dr. Traverse:

At present I am finishing a dissertation on the alluvial geology and Quaternary pollen analysis of an area in San Juan County, New Mexico. One of the major aspects being considered in the thesis is the pollen content of fluvial sediments, both depositional and post-depositional factors. The alluvium varies greatly in pollen concentration, by a factor of 10. Also, recycled Cretaceous spores and pollen in cases account for over 13% of the palynomorphs--as much as 280 recycled grains per cubic centimeter of alluvium. Grain size of the sediment and pollen concentration are related, too.

I realize you have done some useful work in pollen-sediment relationships in the marine environment. I would be most grateful if you could send me a copy of your paper:

Palynology of the surface sediments of Great Bahama Bank, as related to water movement and sedimentation: Marine Geology, v. 4, p. 417-459.

Pollen and associated microfossils in the marine surface sediments of the Great Bahama Bank: Rev. Palaeobot. Palynol., v. 3, p. 243-254.

If some of your other papers would be of use to me, I would appreciate having a copy of those, too.

Sincerely yours,

*Stephen A. Hall*

Stephen A. Hall

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

2 July, 1990

Mr. Richard I. Hallett  
Department of Geology  
The University  
Highfield, Southampton, UK  
SO9 5NH

Dear Mr. Hallett:

Yours of 4 June came during my prolonged recent absence.

I have no projects at this time specifically in T.A.I. or kerogen studies, though I do have considerable interest in such work. However, you might wish to explore the possibility of a joint project between palynology and our Fuels and Energy Research Section. I can imagine several interesting possible joint projects that would be down your line.

In any event, you would have to apply for admission to the graduate program here. Admission is competitive. If you are deemed admissible, there are several avenues for funding--a teaching assistantship, for example. I am having you sent the appropriate forms.

Yours very truly,

Alfred Traverse

AT/et  
cc: Linda Gruhn (Graduate Program)

Department of Geology  
The University  
Highfield  
Southampton  
SO9 5NH.  
England.

4 June 1990.

Dear Sir,

I am studying for a Master of Science Degree in Palynology. My thesis is entitled "Palynological Investigation of the Albian - Cenomanian Succession, Compton Bay, Isle of Wight." This forms a contribution towards a joint study of the said succession of the Anglo - Paris Basin. There is an emphasis upon Dinocysts and Palynofacies, these being the areas of my particular interest. The thesis is due for submission in September 1990.

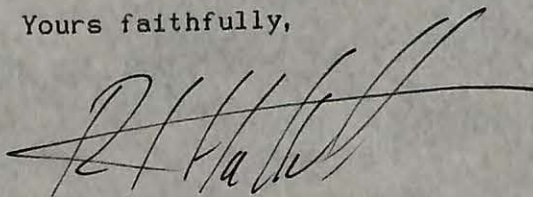
Upon completion I wish to work as a research assistant, leading to a Ph.D or as a Ph.D student.

I have industrial experience in the oil exploration industry, both geologically and palynologically. Hence I am also interested in kerogen studies, T.A.I. and exploration

I hold a B.Sc. Hons. Geology from Southampton University and also an H.N.D from South London College.

If your research group has current interest in this field, I would be glad to hear from you with the possibility of joining your department. Please do not hesitate to contact me for a c.v. or any other relevant details. As a British national funding may be a problem, I would appreciate any details of funding which maybe available.

Yours faithfully,



Richard I Hallett.

THE PENNSYLVANIA STATE UNIVERSITY  
DEPARTMENT OF GEOSCIENCES  
PALYNOLOGICAL LABORATORIES  
307 DEIKE BUILDING  
UNIVERSITY PARK, PA 16802, USA  
Phone: (814)863-3419; Fax: 814-863-7823  
E-Mail: [traverse@ems.psu.edu](mailto:traverse@ems.psu.edu)

21 April, 1999

Prof. Baruch Halpern  
Jewish Studies Program  
103 Weaver Building  
PSU  
University Park, PA 16802

Dear Professor Halpern:

How nice to hear from you. Sounds like a fascinating project!

Would you believe, your letter of 16 April was just delivered today--and your office is only a five min. walk from mine.

I contemplated answering by e-mail, but as you don't list such an address (easy to find with Netscape, of course), I thought maybe you don't read that stuff, and I'd better go with snail mail.

Reactions to your letter: first of all, the phytoliths could support the stable idea, as the most probable source of them is the sorts of grasses from which hay would have been made.

Whether palynology would help is hard to say. I have found archeological materials to be a very mixed bag. Often the samples are barren. When they are productive, interpretation is often tricky. However, I would say, what do you have to lose?

I would be glad to run a sample or two for you to determine whether this is worth doing on a larger scale. I would have to charge for this operation, say \$100 per sample, because as an emeritus with no funding, I have to pay all costs of maintaining the lab from such opportunities.

It would be helpful if I were allowed to see the potential samples before tackling this, as I could select the most promising sample(s), or even perhaps be able to tell you from a cursory examination that they are not even potentially analysable.

2

Looking forward to hearing from you.

Yours very truly,

Alfred Traverse  
Professor Emeritus of Palynology

THE PENNSYLVANIA STATE UNIVERSITY  
Inter-Office Correspondence  
Jewish Studies Program  
103 Weaver Building  
863-8939

Date: April 16, 1999

From: Baruch Halpern

To: Alfred Traverse - 435 Deike Bldg.

Dear Professor Traverse,

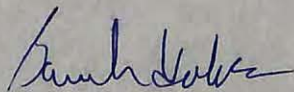
I turn to you for guidance, or possibly direct assistance. An archaeological project of which I am a codirector is now unearthing materials from a set of buildings previously interpreted as "stables" (and identified, incorrectly, as "Solomonic"). One of the soil sample sets that we have taken from these structures has been found to be chock full of phytoliths (another is being analyzed for barium content).

I do not know what the function of the buildings was, though I very much doubt that they were stables (for reasons on which I can expatiate at length). Whatever the answer, however, it would be of considerable value to us, I suspect, to perform a palynological analysis on the samples. I cannot, of course, import them back from the Weizmann Institute without a USDA license, but the barium set is in the PSU Soil Science lab, under Rick Day, imported courtesy of a friend in Agriculture at Alabama, and we could probably extract a reasonable sample for analysis from Rick before or after the barium analysis.

On the other hand, this is in some measure a shot in the dark – the first hypothesis to be tested is whether or not they might have been stables. After that, my nearest guesses are rather exotic. In addition, while we have no stratified horse bones from the context, there *are* other animals present, notably cow and donkey. (The sampling for osteological specimens, on the other hand, is not as airtight as one would like.) So perhaps this is first of all a request for guidance – could palynological analysis confirm or refute the use of the buildings as horse stables, by the nature of the grains present? If so, then this is also a request for assistance, or for your guidance as to where to seek a palynological collaborator.

With thanks for your attention, I am,

Yours sincerely,



Baruch Halpern  
Chair in Jewish Studies  
Professor of Ancient History, Mediterranean Studies,  
and Religious Studies  
Fellow of the Institute for the Arts and Humanistic Studies  
Co-Director, Megiddo Expedition

To: traverse@ems.psu.edu  
Subject: analysis

8/13/99

Dear Professor Traverse,

I am sorry to have been so long answering your very kind letter of 21 April. I am in Heidelberg, and have been for the year. I wrote you when I came back for a short period to host an event in Jewish Studies (I am just now escaping from being Director of the Program -- one of the reasons I left for the year) and visit my daughter. Meanwhile, I failed to get funding from the RGSO in Liberal Arts to conduct testing on the samples, but hope for some funding in October.

We are coming back in early August. (My PSU email is bxh13@psu.edu.) At that juncture, I would like to speak with you, if possible, and describe the procedures now being used on the samples. One batch of samples (about 25) is sitting over in the soil science laboratory, with Rick Day. Rick hasn't reported doing anything with it this year, but his plan was to analyze barium content. Another batch (the same number, plus pieces of cobblestone and of a trough) is over at the Weizmann Institute. Steve Weiner there had promised to do phosphate and phosphatic reaction analysis, but seems to have changed his mind, and analyzed for phytoliths instead. He reports a high count in the samples, but also a high count, if 50% lower, in the control sample (a long story, but basically, dirt from a trough inside the buildings -- this was appropriate for chemical analysis, less so, I suppose, for phytoliths). We will do a little more sampling, outside the building, in October. Anyway, the problem is, we need to determine whether, if livestock and organic goods were present, the indications are for horses or some other activity. It seems to me that we need to organize a confabulation to see where if anywhere to go from here, and I can also show you the samples, if Rick still has them stuffed away somewhere.

Again, I am sorry for the delay, but hope this finds you well and enjoying the dog days of summer. All the best,

b

Baruch Halpern

25 November, 1966

Dr. W. K. Hamblin  
Department of Geology  
Brigham Young University  
Provo, Utah

Dear Ken:

Getting the promised receipt reminds me to write you to reiterate my admiration for an extraordinarily well run and interesting field trip. As one who has run a few such things himself (under AIBS auspices), I was especially impressed with the smoothly functioning quartermaster operation. That takes planning and patience. The trip was, all in all, one of the best I have ever heard of.

We are looking forward to getting our samples and gear. I contemplate that that business may have proven a headache. As far as I can remember, only RR Express will accept packages on a collect basis, unless the collection includes the value of the package as well as the shipping.

Yours very truly,



Alfred Traverse

7 November, 1966

Dr. W. K. Hamblin  
Department of Geology  
Brigham Young University  
Provo, Utah

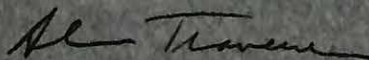
Dear Dr. Hamblin:

I am not sure that I notified you all of my arrival time  
in Salt Lake City--United flight 227, arriving at 4:54 p. m.

I am grateful that there will be "courtesy car" transportation  
to Provo, but I am afraid provision of it must be a lot of  
nuisance to you all.

See you Friday!

Yours very truly,



Alfred Traverse

BRIGHAM YOUNG UNIVERSITY  
PROVO, UTAH

84601



ERNEST L. WILKINSON, PRESIDENT

DEPARTMENT OF GEOLOGY  
275 ESC

October 11, 1966

Dr. Alfred Traverse  
Dept. of Geology & Geophysics  
Pennsylvania State University  
University Park, Pa. 16802

Dear Dr. Traverse,

I am in receipt of your letter and check for \$37.00 for registration for the G.S.A. field trip into the Cretaceous coal field of central Utah. I am pleased that you will be a participant and hope the experience will be pleasant and rewarding.

Enclosed is a memo concerning information about transportation, housing, etc. If you have any additional questions about our plans, please don't hesitate to write.

Yours truly,

A handwritten signature in cursive script that reads "W. K. Hamblin".

W. K. Hamblin  
Associate Professor  
Dept. of Geology  
Brigham Young University  
Provo, Utah

WKH/jj

BRIGHAM YOUNG UNIVERSITY  
PROVO, UTAH

84601



ERNEST L. WILKINSON, PRESIDENT

DEPARTMENT OF GEOLOGY  
275 ESC

Oct. 3, 1966

Alfred Traverse  
Dept. of Geology and Geophysics  
Pennsylvania State Univ.  
University Park  
Pennsylvania

Dear Mr. Traverse,

Thank you for your recent letter requesting information about the G.S.A. field trip no. 9, Cretaceous Coal fields of Central Utah. Enclosed is a memo which will probably answer most of your questions. If there are any additional questions which need clarification please don't hesitate to write.

We believe the field trip planned will be a profitable and pleasant experience and sincerely hope you can arrange to participate.

Yours truly,

A handwritten signature in cursive script that reads "W. K. Hamblin".

W. K. Hamblin  
Associate Professor  
Geology Dept.  
Brigham Young University  
Provo, Utah

WKH/ab

Department of Geology and Geophysics  
Pennsylvania State University  
University Park, Pennsylvania 16802

19 September, 1966

Dr. W. K. Hamblin  
Dept. of Geology  
Brigham Young University  
Provo, Utah 84601

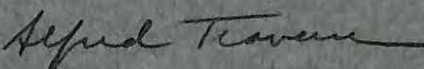
Dear Dr. Hamblin

Regarding the very interesting field trip for Nov. 11-13--will the group be returned somehow to Salt Lake City Sunday afternoon?

How does one get to Provo by public transportation?

Sorry to bother you about travel agency items, but you certainly are the logical one to ask.

Yours very truly,

  
Alfred Traverse  
Associate Professor of Geology

P. S. I would like to register for the trip. Is it necessary to pay in advance?

January 8, 1969

Dr. John B. Hamilton  
Geologist, Geological Section  
Department of Natural Resources  
P.O. Box 1270  
Fredericton, New Brunswick  
Canada

Dear Dr. Hamilton:

Thanks for yours of 31 December. Per the copy of the letter enclosed, I have written an acquaintance at the Department of Geology at UNB, inquiring whether they might not want to take over the subscription to the Catalog, so that it would be available to the palynologists at UNB. I hope something can be worked out. In the meantime, we of course are cancelling your subscription.

Yours very truly,

Alfred Traverse  
Editor

AT:kwc

Enclosure: copy of letter to Dr. Varma



## Afdeling Palynologie

Sarphatistraat 221 - Amsterdam-4

Telefoon (020) 94 41 41

Lector: Dr. Th. van der Hammen

Prof. Alfred Traverse,

The Pennsylvania State University,

Palynological Laboratories,

Pennsylvania 16802.

Amsterdam, 6th October 1976

Dear Prof. Traverse,

I just returned from a 3 months' stay in Colombia and found your letter of 23rd June.

As far as I understand you may have heard about my colleague Wijmstra's palynological work on a deep core from Eastern Macedonia. The part studied up till now shows a long Pleistocene sequence (the upper 120 m seem to represent some  $\frac{1}{2}$  - 1 million years). We are now drilling on the same place to recover the deeper layers (to c. 300 m). As around the basin Young Tertiary lignites are found, we hope to find them also in the lower part of the boring. However, I think we have, up to now, no data on the Miocene and Pliocene, besides a very few isolated samples.

I send you a list of publications. The data on the deep section are in XX, XXII, XXXIII, XXXVII and 72. The last and most recent publication is by Wijmstra & Smit in Acta Botanica Neerlandica, vol. 25(4): 297-312 (not yet on the list). If you want any of our publications, as far as available, please ask for the numbers directly to Dr. T. A. Wijmstra (same address) who also may inform you about other details you may want to know.

Wishing you the best with your work,

yours sincerely,

Thomas van der Hammen

Encl. 1

P.S. Maybe you will find some facts of interest (climate changes in the upper tertiary) in pub. No 72. Another possibility is, to contact Dr. W. J. Zagerman, Geologisch Dienst, Spoorweg 17, Haarlem (Netherlands).

XXXX

June 23, 1976

Dr. Th. van der Hammen  
Univ. of Amsterdam  
Hugo de Vries Lab.  
Sarphatistraat 221  
Amsterdam-4  
The Netherlands

Dear Dr. van der Hammen:

In connection with my work in the Black Sea--Deep Sea Drilling Project cores on which I worked while on board the Glomar Challenger in '75--I have heard that it is possible that you may have some Miocene-Pliocene-Pleistocene correlations with Berggren's foram data. Someone told me that, in particular, you had information of this sort on the Miocene-Pliocene boundary. If so, it would be most useful to mention it in my report for the "Initial Report", of the Deep Sea Drilling Project. If this has been published, a reprint would be handy, or at least the literature reference. If it has not been published, anything you could tell me informally would be used in only whatever <sup>way</sup> you would authorize. Hoping to hear from you about this and with best wishes, I am

Yours very truly,

Alfred Traverse  
Professor of Palynology

AT:jb



*file*  
**THE HANCOCK MUSEUM**

Barras Bridge, Newcastle upon Tyne NE2 4PT. Tel (091) 232 2359

Curator A M Tynan BSc.FMA · Deputy Curator P S Davis BSc.MSc.AMA.FLS.

---

30th March 1987

Professor A. Traverse  
The Pennsylvania State University  
Department of Geosciences  
Palynological Laboratories  
435 Deike Building  
University Park PA 16802  
U.S.A.

Dear Professor Traverse,

Many thanks for your letter in support of the Geologist Post at the Hancock Museum. It was very good of you to write.

Yours sincerely,

*Andrew Newman*

Andrew Newman  
Geologist



The arms of Marmaduke Tunstall, who started the collections in the 18th century.

14. Feb. 92

Ich bin um 16<sup>30</sup>  
hingegangen  
ab 17<sup>30</sup> auf  
9262150 erreichbar  
dergleiche Grüsse und vielen Dank für R. Hartke

R. Hartke

Hautke

I-1986

Lieber Alfred  
Liebe Frau Trauern

Recht herzlichsten Dank für Ihre  
lieben Wünsche. Auch unsererseits  
alles Gute für 1986.

Ich habe geglaubt, dass ich nach  
dem „Eiszeitalter“ etwas Ruhe hatte,  
aber das Gegenteil ist der Fall.  
Es gibt immer wieder neue Arbeit.  
3 habe ich abgeliefert, 5 stehen

EIDGENÖSSISCHE TECHNISCHE HOCHSCHULE ZÜRICH

Geologisches Institut  
Sonneggstrasse 5  
ETH-Zentrum  
CH-8092 Zürich  
Telefon 01 32 62 11

19. 12. 83.

Lieber Herr Traverser

Recht herzlichen Dank für Ihre lieben Wünsche.  
Auch wir wünschen Ihnen für Weihnachten  
und zum Neuen Jahr alles Gute.  
Blen ist der 3. Band incl. Karte erschienen.  
Es war hart, aber nun glücklich überstanden.  
Wenn ich die Exemplare bekomme, werde ich  
Ihnen eines schicken. Die Paläobotanik kommt

Hautke

Rene Hanke  
XII-1981

1 / Lieber Herr, lie. Frau Trauern,  
Recht herzlichen Dank für Ihre  
lieben Weihnachtsgrüße.

Auch wir denken noch gerne  
an Ihre kürzliche Zeit zurück  
und an Ihre Besuche in Hofen,  
sowie an die anregenden Dis-  
kussionen. Ist Ihr Buch zu  
Ende geschrieben? Ich freue  
mich bereits darauf.

Mit dem Eispatator 3 geht es  
schleppend voran. Daneben  
habe ich seit Sommer 5 Ar-  
beiten fertig zu schreiben, die  
schon längst hätten abgeschlos-  
sen werden sollen.

Mit den besten Wünschen von  
meiner Frau und den Kindern  
zu Weihnachten und Neujahr  
Rene Hanke



Für ei

and

# 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

August 1, 1967

Professor Dr. René Hantke  
Eidg. Technische Hochschule  
Geologisches Institut  
Sonneggstrasse 5, Switzerland

Dear Professor Hantke:

My friend, Dr. K.J. Hsu, recently mentioned in a letter that you are working on palynological problems at the Institut. I don't believe I have met you, although I was present at the International Palynological Conference in Utrecht last summer, and it is possible that we were introduced if you were there.

I am writing about the *Catalog of Fossil Spores and Pollen* in the hope that your institut will be able to subscribe to the *Catalog*. We believe it is a tool which every palynology lab should have available. I enclose herewith a brochure which describes the *Catalog*. The brochure is already badly outmoded, although it is only a year old. We are now in the process of printing Volume 27, and Volumes 28 through 32 are in various stages of production. A number of volumes are at present out of print, but they will be reprinted before the end of this year, and if the Institut were to subscribe to the *Catalog*, the back ordered volumes which are now out of print would be supplied as soon as the reprinting is complete.

Hope to hear from you about this, I am

Yours very truly,

Alfred Traverse  
Editor  
*Catalog of Fossil Spores and Pollen*

AT:kaw

Enclosure: brochure

WOODS HOLE OCEANOGRAPHIC INSTITUTION

WOODS HOLE, MASSACHUSETTS 02543

Phone (617) 548-1400

March 27, 1972

Dr. Alfred Traverse  
Professor of Geology and Biology  
The Pennsylvania State University  
University Park, Penn. 16802

Dear Dr. Traverse,

A number of manuscripts for the micropaleontology text have been received by us and are being edited. Your chapter on spore and pollen is now overdue. We will have to meet the deadline of the publishers (Freeman and Company) for the first draft by the end of April. This is important as the publishers will be able to make up their minds only after they have seen a complete first draft. I request you to send in your contribution as soon as possible. At this stage you may send the text alone; the illustrations can be added later.

I hope to hear from you in the next few days. With my best personal regards,

Sincerely yours,

*M. Z. Bilalul Haq*  
Bilal Ul Haq

17 October, 1966

Dr. John W. Harbaugh  
Chairman, Exhibits Committee  
Geological Society of America  
Stanford University  
Etc.

Dear Dr. Harbaugh:

Many thanks for yours of 11 October. My transfer from the University of Texas here during the summer accounts for my tardiness in arranging for the exhibit in "due season".

I believe that since we would have to rebuild our exhibit (recently shown in Europe) to accommodate exhibition on a wall instead of in a booth, we will wait until next year. I am sorry to have troubled you. I hope that by next year I shall be well enough settled to apply for space promptly.

Yours very truly,



Alfred Traverse  
Editor, Catalog of Fossil Spores and Pollen



**Harcourt Brace Jovanovich, Inc.**  
757 Third Avenue, New York, N. Y. 10017

Alfred Traverse  
Dept. of Geology & Biology  
Pennsylvania State University  
Deike Building  
University Park, Pa. 16802

Recently, we sent you, with our compliments, the material listed below. If the material has not yet reached you, please let us know.

LIFE: AN INTRODUCTION TO BIOLOGY, 2nd ed.  
Student Guide  
Life in the Laboratory  
Instructor's Manual to text  
LIFE: AN INTRODUCTION TO BIOLOGY, sixth ed.  
Instructor's Manual to text  
Student Guide  
Life in the Laboratory  
Instructor's Manual to Life in the Lab.

Sent at the request of:

Date:

W. Ray

3/24/71

yb

THE COLLEGE DEPARTMENT

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

28 March, 1988

Dr. I.C. Harding  
Department of Earth Sciences  
University of Cambridge  
Downing St.  
Cambridge, U.K., CB2 3EQ

Dear Dr. Harding:

Yours of 7 March in hand. I have misplaced the Brandon residues, from which I gave Bill Evitt the material he worked on. However, I have found one small jar of stuff labelled "Brandon silt", which, if we're lucky, should contain hansonianum. The dinoflagellates occur only in the silt, not in the lignite-proper. The silt presumably represents an open-lake phase in the depositional environment. I enclose about 25 grams of the stuff, enough to yield many hundreds of specimens if it's the right part of the silt--if not, let me know, as I'm persisting in looking for the residue.

Best of luck.

Yours very truly,

Alfred Traverse  
Professor of Palynology

AT/et  
encl: Brandon silt sample

DEPARTMENT OF EARTH SCIENCES  
UNIVERSITY OF CAMBRIDGE

---

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

DOWNING STREET  
CAMBRIDGE  
CB2 3EQ

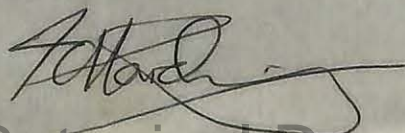
7. 3. 88.

Dear Prof. Traverse,

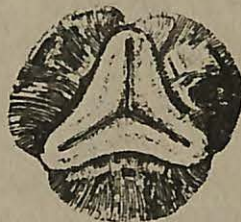
I hope that the reprint of a paper which I have recently had published has managed to reach you and I hope that you find it of some interest. This is one of the first papers I have had published which I have written since being awarded my Ph.D., having studied under Norman Hughes.

You may remember that Norman wrote to you some time ago regarding Saeptodinium hansonianum (= Peridinium hansonianum Traverse), which you described in U.S. Bureau of Mines, Rep. Investigations (1955). Norman was actually enquiring on my behalf about this bug. I was wondering whether it would be possible to obtain some topotype material of this dino in order to do some comparative morphological work using the SEM. I was hoping to be able to do a similar sort of analysis on this bug that I have done on Subtilisphaera terrula. I am at present working on a morphological reinterpretation of Palaeoperidinium cretaceum, which is proving to be an extremely interesting dino indeed (almost as interesting as P. pyrophorum)! So if there is any material available of this beastie I would appreciate it if you could send me some, processed residue is just as acceptable as a rock sample if it is more convenient (providing it hasn't been oxidised for too long!). I was aware of Bill Evitt's paper on S. hansonianum, my research is not intended to impinge on his work, but thanks for mentioning it! I look forward to hearing from you,

Yours sincerely,



# 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

Mr. James Hare  
1014 Lansdale Avenue  
Lansdale, Pennsylvania 19446

Dear Mr. Hare:

I have read your letter of July 5 and certainly can appreciate your concern about the mistake made in your grade. It was "A" all the way, and I can't understand how the mistake was made. We have sent off a corrected grade card to the Registrar, but if I were you, I would take the precaution of making a double check to be sure that the change actually was made.

Hope you are having a good summer. Very best wishes to you.

Yours very truly,

Alfred Traverse  
Associate Professor of Geology

AT:kaw

1014 Lansdale Avenue

Lansdale, Pa.

July 5, 1967

Dr. Alfred Traverse  
Geological Sciences Department  
Pennsylvania State University

Dear Dr. Traverse,

Monday I received my grade report for this past spring term. It has listed a "C" for the grade in Geological Science 21 and I wonder if there isn't a mistake. On the final exam which I had mailed to me, the grade is listed as a "90" and the course grade as an "A". My first hour exam mark was a "94", the second an "86" and my lab grade a "B".

If the mark that arrived on the report is not correct, would you please notify me with directions on how to change it or if it is correct, would you please verify it. Thank-you.

Yours truly,

*James Hare*

July 10, 1967

Mr. James Hare  
1014 Lansdale Avenue  
Lansdale, Pennsylvania

Dear Mr. Hare:

Dr. Traverse is out of town at the moment. I  
expect him to return around the 21st of July.

I am sure he will look into your grade situation  
at that time.

Yours very truly,

(Miss) Karen Winter  
Secretary

M.Harley@lion.rbgke, 05:36 PM 4/2/98 , (Fwd) Mail Delivery Failure.

1

Comments: Authenticated sender is <mh12kg@mail.rbgkew.org.uk>  
From: "Madeline Harley" <M.Harley@lion.rbgkew.org.uk>  
Organization: Royal Botanical Gardens, Kew  
To: traverse@ems.psu.edu  
Date: Thu, 2 Apr 1998 17:36:13 +0000  
Subject: (Fwd) Mail Delivery Failure.  
Reply-to: M.Harley@lion.rbgkew.org.uk  
X-Confirm-Reading-To: M.Harley@rbgkew.org.uk  
X-pmrqc: 1  
Priority: normal

*answered*  
*9-14-98*

----- Forwarded Message Follows -----

From: Mail Delivery System <>  
To: Self  
Subject: Mail Delivery Failure.  
Date: Thu, 2 Apr 1998 15:59:56

Delivery has failed on the enclosed message for the following reasons reported either by the mail delivery system on the mail relay host or by the local TCP/IP transport module:

550 <traverse@lion.rbgkew.org.uk>... User unknown

Your original mail message follows:

-----  
From: "Madeline Harley" <M.Harley@rbgkew.org.uk>  
Organization: Royal Botanical Gardens, Kew  
To: traverse@lion.rbgkew.org.uk  
Date: Thu, 2 Apr 1998 15:59:55 +0000  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT  
Subject: Paul's enquiry  
Reply-to: M.Harley@rbgkew.org.uk  
X-Confirm-Reading-To: M.Harley@rbgkew.org.uk  
X-pmrqc: 1  
Priority: normal  
X-mailer: Pegasus Mail for Windows (v2.54)

Oops - I seem to have co-opted you onto the Kew staff, either that or I'm suffering from galloping Alzheimer's! Any way I'll try again -  
Madeline

Printed for traverse@ems.psu.edu (Alfred Traverse)

1

Dear Al,

Thank you for responding to Paul's enquiry and recommending Keith and myself as mentors, I am flattered on behalf of us both. Paul is actually a student of mine on a year's secondment from his university in Sunderland. He asked me about this little problem the other day. This year he is working on the systematics (incl. pollen morph.) of a group of Labiates. However, when he returns to university in the north of England he has to define a project. This will be timebound, and financially stringent! In other words he has to do it all up in Sunderland with university supervision, so he's seeking out the practical support side of doing what he wants to do. I suggested he try PolPal to see if there were any people near to Sunderland who could help with the necessary facilities on on the spot advice. He's had the informal advice/supervision already. I said if he doesn't get any response from the internet I will contact a few possibles. (I said polpal was a long shot - he'd probably only get responses from Americans!!)

Anyway great to hear from you, hope you are well and enjoying life.

Kindest regards

Madeline

Dr Madeline Harley  
Palynology Unit  
The Herbarium  
Dr Madeline Harley  
Palynology Unit  
The Herbarium

Phone: +44(0)181 332 5266  
Fax: +44(0)181 332 5278

Phone: +44(0)181 332 5266  
Fax: +44(0)181 332 5278

THE PENNSYLVANIA STATE UNIVERSITY  
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PALYNOLOGICAL LABORATORIES  
435 DEIKE BUILDING  
UNIVERSITY PARK, PA 16802, USA  
Phone: (814)863-3419; Fax: 814-863-7823  
E-Mail: [traverse@ems.psu.edu](mailto:traverse@ems.psu.edu)  
14 November, 1994

Dr. M. M. Harley  
Palynology Unit, the Herbarium  
Royal Botanic Gardens  
Kew, Richmond, Surrey TW9 3AE  
UK

Dear Friend:

Here's the publication you requested, and some others that might interest. I never seem to get around to general mailouts. You've been so generous with me that it's embarrassing that you have to write for a reprint!

All the best.

Yours very truly,

Alfred Traverse

encl.:reprints

May 13, 1971

Harper & Row Publishers, Inc.  
49 East 33rd Street  
New York, New York 10016

Dear Sirs:

As one of the several professors responsible for our course Biology 427, "Evolution", I am in need of a copy of your book by Moody, "Introduction to Evolution, third edition". This book has been designated the required textbook for the course.

Looking forward to hearing from you about this, I am

Yours very truly,

Alfred Traverse  
Professor of Geology & Biology

AT/kal

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

10 May, 1994

Dr. John A. Harper  
Dept. of Environmental Resources  
400 Waterfront Dr.  
Pittsburgh, PA 15222-4745

Dear Dr. Harper:

Thanks for yours of 6 May. Regarding the book on palynology, I am (reasonably?) sure it's in at least one or two libraries in Pittsburgh. The Director of the Carnegie is a palynologist, and it would really hurt if they don't have a copy.

Unfortunately, the book has just gone out of print. I hope to do a second edition as soon as possible. The publisher has been bought out by Chapman & Hall. Unwin & Hyman did a good job of getting the book out but a lousy job of distributing it.

Best wishes.

Yours very truly,

Alfred Traverse

It seems amazing to me, but there is still a lot of resistance to this change in the Appalachians. We seem to be the only survey who has accepted the new boundary. It has not been embraced by the Ohio, West Virginia, or Kentucky geological surveys, despite the fact that most of the evidence I'm familiar with comes from their states. Perhaps in a few years time...

Believe me, I wasn't purposely ignoring you, or anybody else's, work. Pennsylvania Geology is a magazine dedicated more to the intelligent lay person than to the professional. The article was written as a sort of "just in case you hadn't heard" notification, spiced up a bit for the entertainment value. The Survey had just gotten around to accepting what paleobotanists and palynologists (and brachiopod experts) had known for years, and we wanted to alert everyone to this "new" concept. Had I been writing for Geology, the GSA Bulletin, or some other journal I would have done a more exhaustive job of looking up reference material. As it was, I used references with which I was already familiar.

I also thank you for the photocopies and reprints. I stand corrected on the name of the spore. When your own specialty is Paleozoic snails and brachiopods and crinoids without trying to worry about something as "alien" as midspores. I was aware of the Steel and Traverse article on Horseshoe Curve from Jon Inners' paper in the GSA Centennial Field Guide, but never had a chance to see it first hand. I was completely unaware of the textbook (as a matter of fact, I've never even heard of the publisher. Do you have a spare flyer or order form?) Thank you for the copies you sent.

Thank you for your letter of April 14 concerning the Mississippian/Devonian boundary article in Pennsylvania Geology. It is gratifying to know that our magazine is read by esteemed colleagues as well as by the interested lay public.

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

Bureau of Topographic  
and Geological Survey

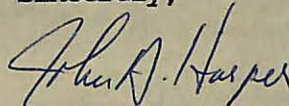
TEL (412) 442-4235  
Fax (412) 442-4298

COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL RESOURCES  
400 Waterfront Drive  
Pittsburgh, PA 15222-4745  
May 6, 1994



Again, thank you for your letter. It is gratifying to know that we have a concerned audience of professionals such as yourself. Also, if you would be so kind, I would appreciate it if you would keep me informed of any other work you are doing concerning Appalachian biostratigraphy.

Sincerely,

A handwritten signature in cursive script that reads "John A. Harper". The signature is written in dark ink and is positioned above the printed name.

John A. Harper, Chief  
Subsurface Geology Section

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

14 April, 1994

Dr. John A. Harper  
Pennsylvania Geological Survey  
P. O. box 8453  
Harrisburg, PA 17105-8453

Dear Colleague:

Just read your interesting article in current Pennsylvania Geology re Dev./Miss. boundary. I have two comments:

1. At least for completeness, to say nothing of being helpful to readers and paying due respect to fellow state employees, you should know about the palynological work on this subject at Penn State. I enclose a couple of pertinent xeroxes. (Traverse's text and Streel and Traverse paper)

2. The spore which you referred to as Hymenozonotriletes lepidophytus has not been known in the trade by the name for years. It is now known as Retispora lepidophyta, and for a while in between was known as Speleotriletes lepidophytus, e.g., in the Streel & Traverse paper and my reference to it in my textbook. I enclose a couple of xeroxes of leading current publications for your edification on this small matter.

Hang in there.

Yours very truly,

Alfred Traverse

encl:xeroxes



# United States Department of the Interior

GEOLOGICAL SURVEY

RESTON, VA 22092



November 30, 1994

Dr. Alfred Traverse  
Palynological Laboratories, Dept. Geosciences  
Pennsylvania State University  
435 Deike Bldg.  
University Park, PA 16802

Dear Dr. Traverse:

Enclosed is your conodont collecting kit (AKA wish bags). When you or one of your students returns to the Ashcroft quarry, collect three separate samples from the carbonate bed. If the bed is too thin for vertical stratigraphic separation then collect three samples along strike. Fill each small bag with fist-sized pieces of carbonate, tie neck of bag and place each within a larger mailing bag. Tie the mailing bag and then place cord with **FREE**, pre-addressed mailing label around neck of mail bag and secure cord with fiber or duct tape. Take to post office (it is too difficult to stuff these bags in a mail box and it may anger the postman).

Happy hunting,

Anita G. Harris  
U.S. Geological Survey  
MS 970, National Center  
Reston, VA 22092

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  
E-Mail: traverse@ems.psu.edu

21 December, 1994

Dr. Anita G. Harris  
U. S. Geological Survey  
MS 970  
Reston, VA 22092

Dear Dr. Harris:

Thanks so much for the fascinating report on our sample from the Ashcraft Quarry.

As I believe you know, the sample bags you sent me have been turned over to Don Woodrow, because he will be able to collect samples sooner than would ever happen if I did it.

Hope I manage to meet you some day. I recognize your name from, of all places, The New Yorker.

Yours very truly,

Alfred Traverse

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  
E-Mail: traverse@ems.psu.edu  
1 December, 1994

Dr. Anita Harris  
U. S. Geological Survey  
National Center  
Reston, VA 22092

Dear Colleague:

Enclosed are: 1. A xerox copy of my recent paper on the spores of the "Catskill Magnafacies," with the Ashcraft Quarry analysis (not many, and not very good spores) hi-lited on p. 268.

2. A xerox copy of pp. 143-144 of the Bridge & Droser paper about the Ashcraft, with a location map on p. 144. It must be easy to find from this map because we did.

Thanks for the fascinating info about this sample. It would be very interesting if there really were conodonts in the stuff. Don Woodrow is here on sabbatical, and I discussed your findings with him. (He is the editor of GSA Spec. Paper 201.)

Yours very truly,

Alfred Traverse

encl.:two xeroxes

Copy for V.W.

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  
E-Mail: traverse@ems.psu.edu  
9 September, 1994

Dr. Anita G. Harris  
U. S. Geological Survey  
U. S. National Museum, etc.

Dear Dr. Harris:

My current Ph. D. student, Vicki Weintraub, says that she knows you. That reminded me of a sample that my former doctoral student, Andy Schuyler, and I had wanted somebody to check for conodonts. Vicki says she'll try to persuade you to take a look. It's been a number of years, but my recollection is that we had already digested the limestone with acetic acid and that perhaps if conodonts are present they would be pickable without further processing. I don't guarantee that. The sample could be important, in providing a possible link between our spore-based stratigraphy from the Catskill, and existing conodont-based stratigraphy from the interfingering Chemung facies. At the moment I would be interested in knowing whether anything can be done with the stuff. If not, bomb it. If datable conodonts seem to be present, perhaps we should correspond some more about what could be done with actual analysis of the faunule.

Thanks for reading. Best wishes.

Yours very truly,

Alfred Traverse

sent with letter:sample from Ashcroft Quarry

November 14, 1974

Prof. Tom Harris  
Department of Geology  
The University  
Reading, England RG2 6AB

Dear Tom:

Thank you so much for the reprint of the paper on Williamsoniella pollen. The whole approach was fun. You certainly take the prize for application of different materials to palynology--ping pong balls and goat manure! I confess I had expected Exesipollenites pollen to turn out to be conifer. No particular reason for the expectation, just a guess. So this is most interesting, and the whole paper is, as I said, fun.

Best wishes.

Yours very truly,

Alfred Traverse  
Professor of Palynology

AT/vsi

# THE PENNSYLVANIA STATE UNIVERSITY

513 DEIKE BUILDING

UNIVERSITY PARK, PENNSYLVANIA 16802

College of Earth and Mineral Sciences  
Coal Research Section

Area Code 814  
865-6544

August 8, 1974

Professor Tom Harris  
Geology Department  
University of Reading  
Reading, England

Dear Professor Harris:

Thank you so much for the copy of "Pollen from Fossil Cones", which you sent me before you left for home apparently. It has some very useful suggestions about the tricks which fossil pollen can play on us, and I think I will find this a useful reference in that respect. Which reminds me--I am still musing about your delightful talk in Washington of several weeks ago in which I learned so much about the effect of the alimentary canal of a goat on sporopollenin. That was fascinating and will require me to change some of my lectures.

It was great fun to see you again, and I hope the experience can soon be repeated.

Yours very truly,

Alfred Traverse  
Professor of Palynology

AT:1sw

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

20 September, 1966

Dr. Tom Harris  
Department of Botany  
University of Reading  
Reading, England

Dear Dr. Harris:

In connection with some work I have been doing on jet I recently visited the Whitby section and have acquired some interest in the Jurassic flora. In this work it would be useful to me to have reprints of any of your Jurassic papers that are still available, but in particular do you still have a reprint available of "The problems of Jurassic paleobotany," Bol. Soc. Geol. de Portugal, VI, 1947? If so, I should very much like have one.

Yours very truly,

Alfred Traverse  
Associate Professor of Geology

Department of Botany

From: "G. Patrick Bowling (717) 772-4018" <BOWLING.G.PATRICK@a1.pader.gov>  
Return-path: <BOWLING.G.PATRICK@a1.pader.gov>  
In-Reply-To: <199806302041.QAA09280@pangaea.ems.psu.edu>  
To: traverse@ems.psu.edu  
Cc: Michelle Bell <BELL.MICHELLE@a1.pader.gov>  
Date: Mon, 06 Jul 1998 08:28:27 -0400 (EDT)  
Subject: RE: dues  
Message-ID: <D256ZXLPKB49T\*/R=DER003/R=A1/U=BOWLING.G.PATRICK/@mhs>  
X-Status: Read

*Harrisburg  
Area Geological  
Society*

<Original message dated 30-Jun-1998 03:45pm EST from

traverse@ems.psu.edu>

Dear Friend:

I just wanted to comment that if you are going to drop people for non-payment, you need to develop some method of informing us that we are in arrears (or whatever). I don't mean a general blurb either, I mean a message to me personally that I should pay x dollars to y before z. A bill.  
A return envelope would be nice but not essential.

Best. Al T.  
Alfred Traverse  
Palynological Laboratories  
Department of Geosciences  
435 Deike Building, PSU  
University Park, PA 16802  
Ph.: 814-863-3419  
Fax: 814-863-7823

<Response>

Dear Dr. Traverse,

Thanks for your comments on the HAGS dues statements.

I just wanted to point out that HAGS is a low budget operation which pretty much precludes return envelopes or individual dues statements. Given our finite resources which includes limited access to a computer or e-mail for me, the approach I took seemed to be the most feasible especially since HASGS has not provided any kind of a dues statement in a few years.

The dues statement in the summer newsletter, which is essentially the only vehicle for Society communications, was meant to be specific rather than a general blurb. There were separate versions of the e-mail newsletter (with different dues statements) sent to those paid up and those in arrears. So, those in arrears were notified separately. Everyone else was notified that their dues were payable in October unless they were life members. I presumed that those people paid up would recall whether they were life members (paid up for life) or paid annually and info on dues amounts and where to send them was included. With an emphasis on electronic distribution of the newsletter to save on expenses, providing individual dues statements was problematic. The 40 or so people receiving the hardcopy newsletter via the US Mail had their status indicated on their computerized mailing label, but I

simply didn't have the luxury of being able to individually e-mail over 70 different people as to what their dues status was. Therefore, it seemed reasonable to group members into similar categories since they would be essentially receiving the same dues statement info.

So, to accomodate your concern, I will state that you are paid up as a Professional Member until September 1998 and that you may remit your 1998-1999 dues of \$10 (unless you want to change membership categories - see newsletter) to Rodger Fail, Treasurer (see newsletter for address) on or before October 1998. This is essentially the same process that HAGS members are familiar with and accustomed to although dues payments have been dropping off for the last few years (probably because NO dues statements were provided for the last few years!) As for dropping people, I was just pointing out what the Bylaws say and trying to prod people into paying up. I personally don't think it's fair to receive the only tangible benefit of membership without paying dues, but the ultimate decision on how to handle those in arrears will rest with all of the officers. Perhaps you noted that the language in the newsletter regarding this used "may" and "could". Also, with the grace period, those in arrears merely have to remit their 1998-1999 dues by the normal deadline to avoid potential consequences.

I hope this sheds some light on my approach and that you can appreciate what I'm dealing with in distributing a newsletter with two different formats to well over 100 people. Thanks again for the input. Please feel free to contact me if you have any more questions or concerns.

Sincerely,

Patrick Bowling, P.G.  
Secretary  
Harrisburg Area Geological Society

SYRACUSE UNIVERSITY  
SYRACUSE, NEW YORK 13210

DEPARTMENT OF GEOLOGY

January 18, 1969

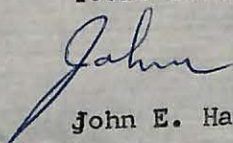
Dr. Alfred Traverse  
Deike Bldg.  
The Pennsylvania State Univ.  
University Park, Penna. 16802

Dear Dr. Traverse:

On behalf of all the participants, I want to thank you for your time and effort in conducting the palynology workshop. Everyone who attended was enthusiastic in his (and her, we can't forget Sally) praise of the program. You certainly have made a valuable contribution to our understanding of palynology.

I, personally, am very happy to have made a new friend and look forward to the time we can meet again. Clairese sends her regards and hopes the next time you are in the area you won't hesitate to come over for dinner.

Yours truly,



John E. Harrison

January 6, 1969

Mr. John Harrison  
Geology Department  
Lyman Hall  
Syracuse University  
Syracuse, New York 13210

Dear John:

According to my notes, you asked for a copy of the enclosed. The gist of it is that the size of required count is determined by the amount present in the count of the least abundant significant type.

Your helpfulness during my visit was above and beyond the call of duty to an extent that I am not likely to forget soon!

Best wishes.

Yours very truly,

Alfred Traverse  
Associate Professor of Geology

AT:kwc

Enclosure: pollen data sheet

CASEY

Fidelity Onion Skin  
100% COTTON

December 30, 1968

Mr. John Harrison  
Department of Geology  
Lyman Hall  
Syracuse University  
Syracuse, New York 13210

Dear John:

You did a fine job of helping me out during my visit to your laboratories last week. I learned a lot about conducting such an affair, and I think that the next one will be much better. I do hope that you all picked up enough to make it worthwhile.

Please convey my thanks also to the others who helped us at one time or another. I am thinking in particular of Bill Shilts, who was probably inconvenienced more than he admitted.

Enjoyed the evening at your place very much. Your wife is a very charming hostess. By the way, I am reminded that I comparison-shopped our state stores on returning here and find that the premium on prices is something on the order of 15%-20%, depending on the item, over N.Y. prices. Very annoying.

Best wishes to you for a happy 1969.

Yours very truly,

Alfred Traverse  
Associate Professor of Geology

AT:kwc

*Frye J. Harrison*

STATE OF ILLINOIS  
DEPARTMENT OF  
REGISTRATION AND  
EDUCATION  
JOHN C. WATSON,  
DIRECTOR, SPRINGFIELD  
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# ILLINOIS STATE GEOLOGICAL SURVEY

NATURAL RESOURCES BUILDING  
URBANA, ILLINOIS 61801

JOHN C. FRYE, CHIEF

January 16, 1967

Dear Colleague:

It is with much sadness that I am writing to inform you that John A. Harrison passed away suddenly on January 13. He was enjoying the company of good friends to the moment he was stricken and was gone in moments.

Those of us who knew John very well feel the deepest sense of personal loss. I know also that colleagues in coal science will greatly miss his presence among us.

Sincerely yours,

*Jack A. Simon*  
Jack A. Simon  
Geologist and Head  
Coal Section

# Set Harrison Funeral For Monday

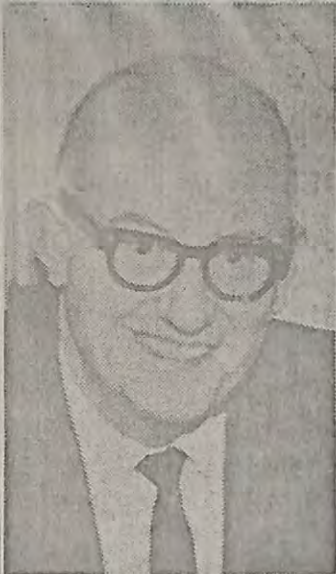
John Albert Harrison, 50, 2006 Boudreau Dr., U. veteran geologist and civic leader, died at 11 p.m. Friday (Jan. 13, 1967) in Savoy.

Services will be at 1:30 p.m. Monday at Renner Funeral Home with Rev. Herschel M. Cline of the First Methodist Church of Champaign officiating. Burial will be in Woodlawn Cemetery. Friends may call from 7-9 p.m. Sunday at the funeral home.

He was born March 10, 1916 at Little Rock, Ark., son of Rev. John and Myrtle Kaneaster Harrison. On Aug. 11, 1943 he married Ernestyne Holland in Little Rock.

Mr. Harrison had been a geologist with the Illinois State Geological Survey for the past 25 years. He attended Southern Methodist University and received his bachelor's degree from the University of Arkansas and master's degree from the UI. He was a World War II veteran serving in the U.S. Navy with the rank of lieutenant.

Mr. Harrison served on the official board of the First Methodist Church of Champaign and was, at the time of his death, vice president of the University Club, trustee of the Urbana Town Club and secretary of the Coal Group of the Geological Society of America.



**JOHN A. HARRISON**

**... dies at 50**

He was also serving on the working committees of the American Society for Testing and Materials and the International Committee for Coal Petrology.

Other professional organizations Mr. Harrison was affiliated with include American Association of Mining, Metallurgical and Petroleum Engineers, the Illinois State Academy of Science, the Illinois Mining Institute and the Illinois Coal Preparation Society. He was also a member of the Urbana Golf and Country Club.

Surviving are his wife; two daughters, Mrs. Diane Busche, Honolulu, Hawaii, and Jill Harrison, a junior at the UI, at home; and one sister, Mrs. Melvin Webster, of Nacogdaches, Tex. He was preceded in death by his parents.



4 April, 1966


Dr. John Harrison  
Coal Division  
Illinois Geological Survey  
Urbana, Illinois

Dear John:

A student here has been discussing with me a problem that I believe has been the subject of correspondence between you and him or a third party. It is with regard to a sample of anthraxylous coal that I would guess is subbituminous. He showed me a letter from you that stated that the substance known as jet is by definition cannel coal. I have gotten rather stale on the coal petrographic literature, but I do have several samples of classical Whitby jet (Jurassic, Yorkshire). Though I have never made a thin section, I have been assuming that the stuff is anthraxylous. Am I wrong, or has the word "jet" been given an international definition that excludes "jet" from the classic locality?

It's good to be back in correspondence with you. The decade of your life since I last used to see you often sat easily on your shoulders, I thought.

Yours cordially,

  
Alfred Traverse

STATE OF ILLINOIS  
DEPARTMENT OF  
REGISTRATION AND  
EDUCATION

~~WILLIAM SYLVESTER WHITE~~, John C. Watson  
DIRECTOR, SPRINGFIELD

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PRESIDENT DELYTE W. MORRIS



# ILLINOIS STATE GEOLOGICAL SURVEY

NATURAL RESOURCES BUILDING  
URBANA, ILLINOIS

JOHN C. FRYE, CHIEF

November 12, 1965

Dr. Alfred Traverse  
Department of Geology  
University of Texas  
Austin, Texas 78712

Dear Al:

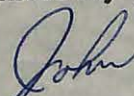
It was indeed fine to see you at G.S.A. meetings again and to learn that you are back in the field. Your name has been included in the Coal Geology Division list again, in fact, it was never removed from our lists, and I understand that you are rejoining G.S.A.

Al, the English, German, and French editions of the International Handbook of Coal Petrography was published by Centre National De La Recherche Scientifique; 15, Quai Anatole-France, Paris 7, France. The cost of the Handbooks is about \$12 each or \$36 per set of three; no cut for three.

I understand that the Russian version of the Handbook has been published, but I do not have one yet, nor do I know just how to go about getting one. I will let you know, however, when I find out.

With best regards.

Sincerely yours,



John A. Harrison  
Geologist  
Coal Section

Trinity Episcopal Church

P. O. Box 208

Tallahassee, Louisiana 71282

~~The Rev. Joseph C. Harrison, Rector~~

February 13, 1970

Dear Al,

Thank you for your letter of Feb. 2. I would have replied sooner, but I have been laid up by the flu bug. I still feel lousy, & plan to go back to bed after the children's confirmation class this afternoon.

About my purpose in applying to the Dept. of Religion in the Graduate School at F.S.U. ... if I am accepted and if I pass the Graduate Record Examination (which I will take 2/28/70) and if I can get us moved to Tallahassee ... I plan to enter F.S.U. to work on a Master's Degree in Religion with a minor in education. After receiving an M.A., I plan to do one of two things: teach religion or the humanities in a junior college or work on a Ph.D. The master's program in religion at F.S.U. is designed to qualify the recipient to do the former of the above alternatives. Of course, the teaching opportunities will be greater with a Ph.D. Only time will tell what I will finally do. Right now I am taking one step at a time, & I cannot see very far into the future. A great deal depends upon my score on the G.R.E. I won't know until about May 1 as to whether or not I will be accepted by the F.S.U. graduate school. It takes about 5 weeks for the scores to reach the school.

I  
If we do move to Tallahassee, Mona will return to work, & plan to do supply work in the Dio. of Fla. to supplement our income. This will be a great leap of faith for Mona & me & the two boys. I pray for guidance that I will do the right thing for all of us.

My overall plan is to leave the parish ministry & enter the teaching profession at the college level - preferably in a Dept. of Religion. For the time being I plan to remain canonically resident in the Dio. of La. I guess you might say I plan to be a worker priest - earning most of my living by teaching & doing supply work as a priest on the side.

Mona is very much in favor of all of this. She is encouraging me every step of the way. I will let you know what we finally do - as soon as we know. Thank you for the letter of recommendation. Give Betty & the children our love.

Sincerely,

Joe

February 2, 1970

The Rev. Joseph C. Harrison  
P.O. Box 208  
Tullulah, Louisiana 71282

Dear Joe:

Thanks for your letter of 17 January and the interesting news that you are considering graduate work at Florida State. I remember so well hearing you say one time that you never proposed to open another book once you finished seminary. As they say, "time heals all wounds". I am quite agreeable to your using my name as a reference in your application. I suppose that from the letter I write it will be apparent that I haven't seen you in some time, but I suppose it is also true that when people reach our age they don't really change much in basic features from year to year! I would, of course, like to hear what you have in mind vis á vis your studies in Religion. In view of recent articles in the press, I feel reasonably sure that you are not intending to enter seminary teaching. It sounds as if fairly soon there will be very little scope for an Episcopal seminary teacher.

Glad to hear the additional news about your family and especially about our old mutual friend, Gary Canon. Best wishes to Mona.

Yours very truly,

Alfred Traverse  
Associate Professor of Geology  
and Biology

AT:kc

January 30, 1970

Dr. Robert A. Spivey  
Chairman, Department of Religion  
Florida State University  
Tallahassee, Florida 32306

*file: J. C. Harrison*

Dear Dr. Spivey:

Mr. Joseph C. Harrison, of Tallulah, La., has asked me to write you in support of his application to your graduate program. Although I have not seen Joe since his graduation from the Episcopal Seminary of the Southwest in Austin, Texas, in 1963, I did know him quite well in seminary and before that, in Houston. We were both members of lay organizations in Houston at the same time and came to know each other in that way.

Joe is a very ambitious and energetic person with considerable intelligence. I am sure, for example, if he were interested, he could carry out a satisfactory project for a doctorate in my field of paleontology. He is not, in my opinion, an impressively original mind, and I would be quite surprised to hear that he had made a great synthesis of ideas in some field. However, he has amazing perserverance and courage and is quite capable of solving some problems that a brighter intellect might abandon, just by sheer frontal assault. I learned early in the game not to underestimate Joe!

Joe is honest and straightforward, sometimes annoyingly so to some people. He offends some pepple by his aggressiveness, but I don't think this has ever been a serious barrier to his or other's work.

I would say that if Joe wants to try grdduate work, even at his age, it would be worth the risk to let him take a crack at it. I have no doubt at all that he could at worst carry out a satisfactory master's program.

If there is any way in which I could help by providing more specific information, I would be glad to assist.

Yours very truly,

Alfred Traverse  
Associate Professor of Geology & Biology

AT:kc

*Trinity Episcopal Church*

*P. O. Box 208*

*Tallahassee, Louisiana 71282*

*The Rev. Joseph C. Harrison, Rector*

January 17, 1970

Dear Al,

I am in the process of applying to the Graduate School (Department of Religion) of Florida State University, Tallahassee.

I would like your permission to use your name as a reference. If you consent to be one of my referencies, please send a letter of recommendation to:

Dr. Robert A. Spivey  
Chairman, Department of Religion  
Florida State University  
Tallahassee, Florida 32306

My application has to be in by Feb. 1 in order to be considered for Fellowships and Graduate Assistantships. However, your letter would not have to be in by Feb. 1. If I do not hear from you to the contrary, I will put your name on my application...when I send it in. I will appreciate your doing this for me very much. My application to F.S.U. will depend upon the cost of moving us to Tallahassee - 500 miles. If I can manage the moving expenses, I will definitely apply to F.S.U. I am in the process of getting transcripts and arranging to take the Graduate Record Examination. I also plan to take F.S.U.'s comprehensive examination for the master's in Religion. If I pass it, I will then study for a Ph.D. If I do not pass it, I will study for a master's in Religion. We are hoping everything will work out so that we can move to Tallahassee in late summer and for me to enter F.S.U. in September.

We enjoyed your Christmas letter. I hope everyone is well & that 1970 will be a good year for all of you. Pam plans to enter Northeast Louisiana State College in Monroe, La. in June. So she would not move to Florida with us.

Thank you in advance for anything good you may be able to say about me. Give Betty and the children our love. Keep the faith! And "come South" some time to see us. Gary Canion is in Jacksonville, Fla. now, non-parochial, in charge of some kind of health center sponsored by the Diocese of Florida. Must close and write for two more letters of recommendation. Thanks again!

Faithfully yours,

*Joe Harrison*

THE PENNSYLVANIA STATE UNIVERSITY

DEIKE BUILDING

UNIVERSITY PARK, PENNSYLVANIA 16802

College of Earth and Mineral Sciences  
Department of Geology and Geophysics  
Organic Sediments Laboratories

Area Code 814  
865-6545  
865-6543

June 26, 1968

*file*

Dr. Wyman Harrison  
Land & Sea Interaction Laboratory  
439 West York Street  
Norfolk, Virginia 23510

Dear Dr. Harrison:

My inability to get anything done on your samples has greatly distressed me. I hate that sort of thing! I note in reviewing my letter to you of a year ago (21 June, 1967) that I warned of "unconscionably long delay", but this has been ridiculous.

My situation at the moment is that the term has just ended, and I am free to do things other than the academic routine (except that editorial work for the Catalog of Fossil Spores and Pollen goes on like the proverbial brook). BUT--I am committed to give a paper at the Gordon Conference in New Hampshire and one at the AIBS in Columbus, both toward the end of August. Furthermore, I must go to Indiana for two weeks in a few days on university business. When I get back we are moving to a new house (ugh). Then we go on a two week trip which I have long promised my family. When I get back from that it will be time to be off to the two conventions mentioned above. Then the fall term starts.

So--I guess you will have to put me in your inactive file.  
I do hope you will let me keep the samples and--perhaps--I can get at them sometime during the coming year. I wouldn't blame you if you were very disillusioned with me.

Yours very truly,

*AT*  
Alfred Traverse  
Associate Professor of Geology

AT:kwc

*↙*

*Dear Al--  
No sweat. As the  
man best qualified  
to work up these  
samples they are  
yours. I have a  
hunch you may be  
stimulated to work  
on them one day before long.  
I'll then--  
Best--  
Wyman*

June 21, 1967

Dr. Wyman Harrison  
Land and Sea Interaction Laboratory  
439 West York Street  
Norfolk, Virginia 23510

Dear Dr. Harrison:

The samples arrived in fine shape, along with your letter. I assume that eventually there will be information about how from the surface of the bottom the samples come.

As I mentioned over the phone, I do not have any appreciable technical assistance here--that is to say, I prepare my own samples. Therefore there will be what will seem an unconscionably long delay before you hear anything from me, but you will eventually hear!

I appreciate your interest in having me look at the samples and look forward to meeting you some day.

Yours very truly,

Alfred Traverse  
Associate Professor of Geology

AT:kaw

*E. Beck*

U. S. DEPARTMENT OF COMMERCE  
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION  
LAND AND SEA INTERACTION LABORATORY (LASIL)  
439 WEST YORK STREET  
NORFOLK, VIRGINIA 23510

June 7, 1967

Prof. Alfred Traverse  
Department of Geology and Geophysics  
Pennsylvania State University  
University Park, Pennsylvania 16802

Dear Dr. Traverse:

I was glad to learn of your interest in our samples from the Bahamas. I am enclosing a sheet that gives sample particulars. A map showing the location of the samples will follow. You are correct in assuming that the outer portions of the samples may be contaminated with present-day pollen.

Please let me know how your study goes and we'll see what can be done about a joint paper using correlative data on mineralogy, elemental composition, etc.

Sincerely,

*Wyman H.*

Wyman Harrison  
Director, LASIL

LASIL CORE SAMPLES SUBMITTED TO DR. TRAVERSE, JUNE 7, 1967  
FROM A LINE OF CORES SOUTH OF SOUTH BIMINI, B.W.I.

<u>Sample No.</u>	<u>Core Designation</u>	<u>MLW Depth (ft)</u>
1	X	15.7
2	X	15.5 (2 SAMPLES)
3	X	18.0
4	X	16.0
5	X	19.0
6	X	22.0
7	X	25.0
8	X	25.0
9	X	37.0
10	X	42.0
11	W	22.0
12	W	25.0
13	W	25.0
14	X	45.0
15	X	45.0
16	Z	42.0
17	X	17.0
18	X	20.0
19	Z	44.5

29 February, 1980

Dr. Pembroke J. Hart  
Geophysics Research Board  
National Research Council  
2101 Constitution Ave.  
Washington, DC 20418

Dear Dr. Hart:

Your memorandum re "Implementation of the Continental Scientific Drilling Program", dated 4 December, 1979, reached my desk just today after circulation to a long list of our faculty (actually there are many names still on the circulation list!). I am sorry to see that your deadline of 31 January, 1980, is already past, as I would very much like to have access to the USGS and DOE inventories for palynological purposes.

If it really is too late to get such copies from you, would your files reveal where at Penn State copies were deposited that I could consult?

Thanks.

Yours very truly,

Alfred Traverse  
Professor of Palynology

AT/et

Department of Zoology  
Indiana University  
Bloomington, Indiana  
May 2, 1970

Dr. Alfred Traverse  
Associate Professor of Geology  
Pennsylvania State University  
University Park  
Pennsylvania

Dear Dr. Traverse:

Dr. Frey has passed your letter of April 15 on to me in the hope, no doubt, that I can enlighten your understanding about the Black Sea material. It is true that I have some samples, in fact slides have been made up and are waiting for counting. However, I have found the material very unsatisfactory to work with. Fresh-water microfossils have been almost non-existent in the few slides I've had time to examine and Frey feels that we won't find many in the material anyway. Due to lack of time I haven't been able to try flotation methods on the samples. If the summer is less hectic--which I doubt--I'll attempt some other approaches. I had thought that I would be saying something about the pollen in the samples if I can get to the meeting at Woods Hole, but this too depends on re-making most of the slides.

Since competition probably won't be coming from this direction, let me turn the question around and ask you what you'll be presenting. Hope to hear from you soon.

*William Hart*

William Hart  
Grad. Student

To: "Traverse, Alfred" <traverse@ems.psu.edu>  
Subject: Uebersetzung

Lieber Herr Traverse,  
herzlichen Dank fuer die schoene Uebersetzung. Ich bin gerade aus dem Urlaub zurueckgekommen und fand Ihr Schreiben bei meiner Post.

Besonders habe ich mich ueber Ihre Bemerkung gefreut, nicht North Rhine-Westphalia zu schreiben, obwohl das laut Woerterbuch die offizielle Uebersetzung ist. Ich finde North Rhine-Westphalia affig, konnte mich aber nie gegen meine Kollegen durchsetzen. Jetzt habe ich Ihre Meinung und das ist ein gutes Argument.

Nochmals herzlichen Dank. In zwei oder drei Wochen ist die Palynologie / Palaeobotanik - Seite auf unserer Homepage zu sehen. Sie sind gerne eingeladen, dann bei uns vorbeizusurfen!

Herzliche Gruesse

Christoph Hartkopf-Froeder

\*\*\*\*\*

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THE PENNSYLVANIA STATE UNIVERSITY  
DEPARTMENT OF GEOSCIENCES  
PALYNOLOGICAL LABORATORIES  
307 DEIKE BUILDING  
UNIVERSITY PARK, PA 16802, USA  
Phone: (814)863-3419; Fax: 814-863-7823  
E-Mail: [traverse@ems.psu.edu](mailto:traverse@ems.psu.edu)

8 July, 1999

Herrn  
Christoph Hartkopf-Froeder  
Geologisches Landesamt NRW  
Postfach 1080  
D-47710 Krefeld  
Germany

Lieber Herr Hartkopf-Froeder,

meine Übersetzung der Absätze um die "Jansonius Cards" is wie folgt:

The **Genera File of Fossil Spores and Pollen** is an important aid for the identification of fossil pollen and spores. This catalog consists of file cards, on which is presented for each genus: literature citation for the original description; type species; diagnosis for the genus; description of the type species; geologic age of the type species. As required, these data are augmented by taxonomic and nomenclatural explanations. A line drawing of the pollen or spore form yields additional information.

Numerous palynologists from all over the world, including those of the Geological Survey of Nordrhein-Westfalen, take part in the preparation of this catalog. Supplements usually appear every two to three years. The **Genera File** now includes 5310 cards. It is administered by the Department of Geology and Geophysics, the University of Calgary, Calgary, Alberta, Canada T2N 1N4 [e-mail: [sharron@geo.ucalgary.ca](mailto:sharron@geo.ucalgary.ca)].

An alphabetically arranged list of all described genera of fossil spores and pollen, based on the **Genera File**, can be downloaded here. The information is organized in Word for Windows and has a file size of about 500 KB.

## Notes:

1. Ich habe drei Absätze von Ihnen zwei gemacht, da die "download" Auskunft eigentlich eine unabhängige Abteilung darstellt.
2. Ich glaube, daß "bold" statt Anführungszeichen für den Titel des Katalogs besser ist.
3. Sie wissen natürlich, daß wir jetzt nicht mehr Typusarten haben, sondern nur Typ-Exemplare. Ich habe Jansonius ermahnt, daß er zukünftig immer sagen sollte: the species including the type specimen of the generic name..... Für Ihren Zweck dürfen Sie vielleicht dieses Problem vermeiden.
4. Ich bin sehr überzeugt, daß wir nie die Namen der Bundesländer "übersetzen" sollten. Die einzige Ausnahme ist Bayern. "Bavaria" ist in Englisch wohl bekannt. "North Rhine-Westphalia" ist nur komisch. **Niemand** benutzt diesen Namen in der gewöhnlichen Sprache. Ich finde es auch komisch wenn die Deutsche "Neu Schottland" sagen.
5. Ich habe **Genera File** gelegentlich benutzt, um die Wiederholung von "catalog" zu vermeiden, und weil dessen Name eigentlich nicht "catalog" ist.
6. Ich habe "fossile" in 2-3 Stellen eingefügt, da der Katalog nichts mit rezenten Formen zu tun hat.

Eine gute Übung war das. Wenn ich nur die "Interviews" bei Deutsche Welle so gut verstehen könnte.

Mit besten Grüßen

Alfred Traverse  
Professor Emeritus of Palynology

To: "Traverse, Alfred" <traverse@ems.psu.edu>  
Subject: Uebersetzung

Lieber Herr Traverse,

herzlichen Dank fuer die schnelle Antwort und Ihre Zusage.

Sie haben Recht: es sind zwei Abschnitte. Der erste faengt an mit "Der "Genera File of Fossil Spores and Pollen" ist...", der zweite faengt an mit "An der Erstellung des Katalogs...". Eigentlich sollte man den letzten Satz "Eine auf Grundlage des Katalogs..." auch noch als Absatz abtrennen. Wahrscheinlich sind bei der Uebermittlung die Absaetze/Abschnitte verschwunden.

Ja, natuerlich koennen Sie auch gerne Veraenderungen / Verbesserungen am Text vornehmen. Es muss ja auch nicht wortwoertlich uebersetzt werden!

Herzlichen Dank fuer Ihre Muehen!

Ihr

Christoph Hartkopf-Froeder

P.S. Vor einigen Tagen bekam ich wieder chinesische Literatur geschickt mit mehreren neuen Gattungen.

Irgendwann muss es ein neues Supplement geben!

\*\*\*\*\*

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e-mail: hartkopf-froeder@gla.nrw.de

Delivered-To: traverse@ems.psu.edu  
Date: Thu, 27 May 1999 18:38:25 +0200  
Alternate-Recipient: Allowed  
From: "Hartkopf-Fröder, Christoph" <christoph.hartkopf-froeder@gla.nrw.de>  
To: "Traverse, Alfred" <traverse@ems.psu.edu>  
Subject: New Mexico

Lieber Herr Traverse,

ich hoffe, dass Sie eine schoene Zeit in Ihrem Sommerhaus hatten.

Als wir Sid Ash vor einigen Jahren besuchten, erzaehte er von seiner Frau und seinen Kindern und natuerlich auch, dass sie eine Indianerin ist. Das war wohl auch der Grund, dass er auf Indianer-Gebiet sammeln durfte. Ich war natuerlich sehr beeindruckt.

Auf Ihre e-mail bin ich schon sehr gespannt. Gerade erhielt ich auch die letzte Fassung eine Mansukripts von Gordon Wood (Amoco), einem oesterreichischen Kollegen und mir ueber die Mikroflora aus dem Perm der Suedalpen. Die Erhaltung ist atemberaubend gut. Wir haben uns erst einmal auf die Inkohlung (quantitativer TAI und Fluoreszenz) konzentriert, demnaechst fange ich mit der Taxonomie an.

Herzliche Gruesse

Christoph Hartkopf-Froeder

\*\*\*\*\*

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e-mail: hartkopf-froeder@gla.nrw.de

To: "Traverse, Alfred" <traverse@ems.psu.edu>  
 Subject: Uebersetzung

6/27/99

Lieber Herr Traverse,  
 ich habe gerade einige Texte fuer die Homepage des Geologischen Landesamtes NRW verfasst, die sich mit dem Dezernat Palaeobotanik und Palynologie befassen. Ich moechte auch einen kurzen Abschnitt ueber den "Genera File of Fossil Spores and Pollen" auf der Homepage haben, damit etwas Reklame dafuer gemacht wird. Auf deutsch ist der Text fertig (siehe unten), es fehlt aber noch die englische Uebersetzung. Der Service, eine Word-Datei aller alphabetisch sortierten Gattungen von der Homepage zu kopieren, wird vor allem von den auslaendischen Kollegen in Anspruch genommen werden, daher brauche ich eine englische Version des Textes. Ich habe etwas Schwierigkeiten damit, da es nicht der uebliche palynologisch/geologische "Slang" ist. Koennen Sie mir helfen, indem Sie die beiden Abschnitte in schoenes Englisch uebersetzen?  
 Im voraus schon einmal herzlichen Dank!  
 Christoph Hartkopf-Froeder

Der "Genera File of Fossil Spores and Pollen" ist ein wichtiges Hilfsmittel bei der Bestimmung von Pollen und Sporen. Der Katalog besteht aus Karteikarten, auf denen fuer jede Gattung das Literaturzitat der Erstbeschreibung, die Typusart, die Diagnose fuer die Gattung, die Beschreibung der Typusart und das Alter der Typusart vermerkt sind. Falls notwendig werden diese Angaben durch taxonomische und nomenklatorische Erlauterungen ergaenzt. Eine Schemazeichnung der beschriebenen Polle bzw. Spore liefert zusaezliche Informationen.

An der Erstellung des Katalogs, der meist alle zwei bis drei Jahre vervollstaendigt wird, sind weltweit zahlreiche Palynologen, u.a. auch die des Geologischen Landesamtes Nordrhein-Westfalen beteiligt. Der Katalog umfaest inzwischen 5310 Karten und wird vom Department of Geology and Geophysics, The University of Calgary, Calgary, Canada T2N 1N4 [e-mail: sharon@geo.ucalgary.ca] vertrieben. Eine auf Grundlage des Katalogs alphabetisch sortierte Liste aller beschriebenen Sporen- und Pollen-Gattungen kann hier heruntergeladen werden. Die Datei ist in Word fuer Windows erstellt und umfaest ca. 500 KB.

\*\*\*\*\*  
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From: =?iso-8859-1?Q?Christoph\_Hartkopf=2DFr=F6der?=  
<hartkopf-froeder@mail.gla.nrw.de>

To: "Alfred Traverse" <traverse@ems.psu.edu>

Subject: proposal

Date: Thu, 26 Mar 1998 16:17:38 -0000

Return-Receipt-To: <hartkopf-froeder@mail.gla.nrw.de>

X-MIME-Autoconverted: from quoted-printable to 8bit by pangaea.ems.psu.edu id KAA21450

Lieber Herr Traverse,

ich hatte ja geschrieben, dass ich ab 28.3. auf mehrere laengere Diesstreisen gehe und auch etwas Urlaub mache. Daher war hier alles sehr hektisch, viele Berichte mussten noch fertiggestellt werden. Ich habe es daher nicht geschafft, mich intensiv mit Greuter's Kommentaren zu befassen. Nur eines dazu:

Wenn ich es richtig verstanden habe, ist für Greuter ein specimen das gesamte Praeparat. In der deutschen Uebersetzung des Artikels 8 heisst es aber: "Der Typus des Namens einer Art... ist ein einzelnes Exemplar oder eine Abbildung...". Das entspricht auf englisch: "The type of a name of a species ... is a single specimen...". Nach der deutschen Uebersetzung ist eindeutig, daß nie das ganze Praeparat gemeint sein kann. Ein Praeparat kann kein "einzelnes Exemplar" sein.

Mit der deutschen Uebersetzung kann man natuerlich nicht argumentieren, wenn Greuter aber einmal dort hineinschauen wuerde, sollte er verstehen, daß er nicht Recht hat. Das einfachste ist, wohl, ihm ein strew slide zu schicken, damit er sieht, wovon die Rede ist. Ausserdem stimmt es nicht, dass nur micropaleontologists das Wort specimen so benutzen, wie Greuter meint. Ein Blick in eine internationale palaeontologische Zeitschrift (das gilt selbst fuer Wirbeltier-Arbeiten) wird ihn von seinem Fehler ueberzeugen.

Um zu den anderen Punkten etwas zu sagen, brauche ich einfach mehr Zeit, die ich nicht mehr habe (Gordon Wood wartet auf meinen Manuskript-Teil, den ich unbedingt vor meiner Abfahrt fertigstellen muss). Sorry!

Herzliche Gruesse

Christoph Hartkopf-Froeder

From: Christoph Hartkopf-Froeder <hartkopf-froeder@mail.gla.nrw.de>  
Return-path: <hartkopf-froeder@mail.gla.nrw.de>  
To: "Alfred Traverse" <traverse@ems.psu.edu>  
Date: Fri, 20 Feb 1998 09:05:10 -0000  
Subject: Sorry!  
Message-ID: <01BD3DDF.BA1631E0@gla-inet>  
X-Status: Read

Lieber Herr Traverse,  
es tut mir leid, da? es mit der Durchsicht des Manuskripts nicht so  
gelaufen ist, wie Sie es sich erhofft hatten. Aber es war tatsaechlich  
aus  
technischen (Probleme mit dem Netz) und zeitlichen (Gelaendeaufenthalt  
und  
verschiedene Reisen zu Universitaeten, Teilnahme an Kolloquien) Gruenden  
nicht besser moeglich.  
Der Vorschlag ist gut, vor allem aus der Sicht des Praktikers!  
Von der Forschungsbohrung hatte ich Ihnen schon geschrieben, vor zwei  
Wochen musste ich das Programm vor einem Gremium der Deutschen  
Forschungsgemeinschaft vorstellen, damit wir Geld fuer die Untersuchung  
bekommen. Es scheint ganz gut auszusehen. So beschaeftigt man sich  
zeitweise mehr mit dem Heranschaffen von Geldern als mit Wissenschaft.  
Herzliche Gruesse, hoffentlich sind Sie nicht mehr enttaeuscht wegen des  
Manuskripts - zumal ich aus nomenklatorischer Sicht keine Verbesserungen  
gefunden habe.  
Herzliche Gruesse  
Christoph Hartkopf-Froeder

From: bettyandal  
Full-Name: Alfred or Elizabeth I. Traverse  
To: hartkopf-froeder@mail.gla.nrw.de  
Cc: jansonij@cadvision.com, fensome@agc.bio.ns.ca  
Subject: MS  
X-Status: Unsent

Lieber Herr Hartkopf-Froeder,

das Manuskript ist vor zwei Wochen weggeschickt. Ich war tatsaechlich enttaeuscht und ein bisschen boese, dass ich kein Wort von Ihnen bekommen hatte. Es ist gut, nein wunderbar, jetzt zu wissen, dass Sie meistens mit dem Vorschlag einverstanden sind. Ich moechte auch betonen, dass Ihre Verbesserungen und Empfehlungen sehr hilfreich sind. Da sie so einfach sind, glaube ich, dass ich sie spaeter in das Manuskript einsetzen kann.

Ich hoffe, natuerlich, dass Sie FUER den Vorschlag in St. Louis reden werden.

Ich bedanke mich sehr.

mit besten Gruessen

Ihr Alfred Traverse

From: bettyandal  
Full-Name: Alfred or Elizabeth I. Traverse  
To: hartkopf-froeder@mail.gla.nrw.de  
Subject: MS  
X-Status: New

Lieber Herr Hartkopf-Froeder,

ich weiss, dass es ein bisschen komisch ist, es so eilig zu haben, aber es gibt mit dem Vorschlag MS eigentlich ein Problem. Ich muss den Vorschlag bald eingeben, oder die "Verwaltung" der IAPT ihn ohne weiteres zurueckweisen koennten.

Haben Sie den Umschlag von "international express mail" bekommen? Wenn Sie ihn nicht bekommen haben, koennte ich vielleicht eine schnellere Methode probieren, obwohl die Zeit so knapp ist.....

Falls Sie das MS bekommen haben, darf ich von Ihnen etwas erfahren? Meinungen, Verbesserungen, was immer. Sie koennten alles per Email erledigen—mit Seitennummern, Zeilennummern, usw.

mit besten Gruessen  
Ihr  
Alfred Traverse

Alfred Traverse  
Embassy Park 509  
16416 US.19.N  
Clearwater, FL 33764  
USA

e-mail: bettyandal@juno.com

23.Jan.98

Herrn Christoph Hartkopf-Froeder  
Geologisches Landesamt NRW  
Postfach 1080  
D-47710 Krefeld  
Deutschland

Lieber Herr Hartkopf-Froeder,

es war gut, Ihre Nachrichten zu bekommen.

Fuer mich war das wichtigste Thema mein Vorschlag ueber  
Mikrofossilien Typen. Die Zeit ist jetzt sehr knapp. Ich meine,  
dass Herr Greuter et al. einen Stichtag etabliert haben, und er  
liegt nicht weit in der Zukunft.

Ich schicke Ihnen daher per "express mail" die jetzige Version  
des Manuskriptes, in der Hoffnung, dass Sie sofort das Ding lesen  
Koennten und per e-mail mir Ihre Meinungen, Empfehlungen usw.  
schicken werden.

Ich habe auch weitere Verbesserungen von Fensome und Jansonius  
bekommen, die ich noch nicht im MS einverleibt habe.

Es wuerde mir sehr gefallen, Ihre Meinungen dazu auch zu haben.  
Bitte, so bald wie moeglich mir berichten.

mit besten Gruessen  
Ihr

Alfred Traverse  
Professor Emeritus of Palynology

From: "GLA NRW" <hartkopf-froeder@mail.gla.nrw.de>  
Return-path: <hartkopf-froeder@mail.gla.nrw.de>  
To: "Alfred Traverse" <traverse@ems.psu.edu>  
Cc: <bettyandal@juno.com>  
Date: Fri, 23 Jan 1998 18:54:26 +0100  
Subject: Verschiedenes  
Message-ID: <199801231753.SAA15643@ldsnrw.mail.lds.nrw.de>  
X-Status: Read  
X-Mailer: Microsoft Internet Mail 4.70.1155

Please forward this message to Alfred Traverse!

Lieber Herr Traverse,

das Riegel-Festkolloquium war vor einer Woche und ich habe den Eindruck, dass Walter Riegel ganz zufrieden und auch ein wenig geruehrt war. Ich glaube, dass es ihm gefallen hat.

Fuer die Tagung in Pisa ist noch Zeit sich anzumelden. Wenn Sie also Italien in der schoensten Jahreszeit erleben wollen, dann kommen Sie am besten zum CIMP-Treffen.

Ihr Plan, Abbildungen als Typen zu akzeptieren, ist sicherlich diskussionswuerdig. Wir haben Wochen wenn nicht sogar Monate damit verbracht, die alten Praeparate von Potonie, Kremp, Bharadwaj usw. bei uns

zu sichten, die Typen in den ausgetrockneten Praeparaten zu suchen und die

Lage mit dem England Finder festzulegen. Ich haette in dieser Zeit sicherlich auch eine Publikation schreiben koennen. Aber diese Arbeit muss

auch gemacht werden, vor allem wenn die Kollegen das vor 10, 20 oder 30 Jahren (als es noch leichter war) es nicht gemacht haben. Trotzdem ist es uns nicht gelungen, alle Typen wiederzufinden. Außer Abbildungen ist also nichts da (zum Teil nur Strichzeichnungen!). Sicherlich ein echtes Problem.

Ich werde gerne das Manuskript durchlesen und meine Meinung dazu sagen.

Ansonsten wuensche ich Ihnen viel Spaß in Florida, dort ware ich jetzt auch gerne. Lassen Sie sich nicht von den Krokodilen fressen.

Herzliche Gruesse

Christoph Hartkopf-Froeder

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Christoph Hartkopf-Froeder  
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Germany

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E-mail: hartkopf-froeder@mail.gla.nrw.de

From: Christoph Hartkopf-Froeder <hartkopf-froeder@mail.gla.nrw.de>  
Return-path: <hartkopf-froeder@mail.gla.nrw.de>  
To: "'bettyandal@juno.com'" <bettyandal@juno.com>  
Date: Wed, 18 Feb 1998 17:18:57 -0000  
Subject: Alfred Traverse  
Message-ID: <01BD3C92.5E344EA0@gla-inet>  
X-Status: Read

Lieber Herr Traverse,  
offensichtlich ist Ihr Manuskript schon vor laengerer Zeit hier  
angekommen.  
Leider war ich selber viel unterwegs und dann wurde unser hausinternes  
Netz  
saniert, so da? ich zwar e-mail Nachrichten erhielt aber nicht absenden  
konnte. Daher die lange Verzoeigerung. Ich hoffe aber, dass es noch nicht  
zu  
spael ist.  
Ich habe nur wenige Anmerkungen, die auch nicht bedeutend sind und mit  
dem  
Antrag an sich nichts zu tun haben:  
Auf S. 2 schreiben Sie: attachment with adhesives to... Wir legen die  
Sporen immer direkt auf ein Deckglas, das dann vergoldet wird. Ich kenne  
keinen Kollegen, der noch mit Klebefolien arbeitet (ausser bei  
Megasporen)  
Zwischen S. 2 und 3 fehlt ein Absatz.  
S. 3 oben: Sie schreiben, dass ausgetrocknete Praeparate unbrauchbar  
sind.  
Jan Jansonius hat mal eine Methode beschrieben, wie man solchte  
Praeparate  
wieder saniert. Ich habe aber keine Erfahrung, wie gut es geht.  
S. 3 Mitte: hier kann man vielleicht noch ergaenzen, dass Sporen auch  
biologisch (nicht nur chem. und phys.) abgebaut werden - selbst in  
Glyceringelatine.  
Das war's. Inhaltlich stimme ich vollkommen ueberein. Wir haben Monate  
(!!!) gebraucht, um alle Potonie & Kremp Holotypen und abgebildete Sporen  
in den Praeparaten zu lokalisieren.  
Herzliche Gruesse  
Christoph Hartkopf-Froeder

Juno e-mail printed Mon, 5 Jan 1998 17:48:27 , page 1

From: "GLA NRW" <hartkopf-froeder@mail.gla.nrw.de>  
Return-path: <hartkopf-froeder@mail.gla.nrw.de>  
To: "Alfred Traverse" <traverse@ems.psu.edu>  
Date: Fri, 2 Jan 1998 15:09:01 +0100  
Subject: CIMP usw.  
Message-ID: <199801021408.PAA10182@ldsnrw.mail.lds.nrw.de>  
X-Status: Read  
X-Mailer: Microsoft Internet Mail 4.70.1155

Lieber Herr Traverse,  
in Ihrer letzten Nachricht fragen Sie, wo die CIMP-Tagung fuer 1998 stattfindet. Die Tagung ist bei Pisa und wird organisiert von Marco Tongiorgi  
Dipt. Scienze della Terra  
Universita  
Via S. Maria 53  
I-56100 Pisa  
Italien.  
Das zweite Zirkular ist gerade verschickt worden.

Wissen Sie eigentlich, dass Mitte Januar (am 16.1.) das Festkolloquium für Herrn Riegel stattfindet? Einige Kollegen (Herrn Kerp, Herrn Ecke, Herr Pelzer) und ich werden Vortraege, Herr Wilde wohl die Laudatio halten.

Waehrend der Feiertage habe ich einen groesseren Stapel Literatur bei mir aufgeraeumt. Dabei fiel mir auch Andrews: The Fossil Hunters in die Hände und entdeckte im Abschnitt ueber die Brendon deposits einen Bild aus Ihren Jugendjahren. Offensichtlich hat Ihnen die Arbeit im Gelaende viel Spaß gemacht.

Herzliche Gruesse

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From: "GLA NRW" <hartkopf-froeder@mail.gla.nrw.de>  
Return-path: <hartkopf-froeder@mail.gla.nrw.de>  
To: "Alfred Traverse" <traverse@ems.psu.edu>  
Date: Mon, 22 Dec 1997 12:03:32 +0100  
Message-ID: <199712221110.MAA24927@lds.nrw.mail.lds.nrw.de>  
X-Status: Read  
X-Mailer: Microsoft Internet Mail 4.70.1155

Lieber Herr Traverse,  
ich wuensche Ihnen und Ihrer Frau ein friedvolles Weihnachtsfest und ein  
gutes Neues Jahr.  
Hoffentliche klappt es mit einem Treffen in 1998. Kommen Sie zur  
CIMP-Konferenz nach Pisa? Die Stadt ist wunderschoen, vor allem zu dieser  
Jahreszeit.

Herzliche Gruesse  
Christoph Hartkopf-Froeder

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E-mail: hartkopf-froeder@mail.gla.nrw.de

From: "GLA NRW" <hartkopf-froeder@mail.gla.nrw.de>  
To: "Alfred Traverse" <traverse@ems.psu.edu>  
Date: Tue, 12 Aug 1997 12:35:12 +0200  
X-MSMail-Priority: Normal

Lieber Herr Traverse,  
über Ihre Nachricht habe ich geschmunzelt. Ob es der, die oder das e-mail heißt - wer weiß. Ich müßte im Duden nachsehen. Sicherlich gibt es eine Regel dafür, aber wie viele Deutsche kann ich schlecht Deutsch. In Ihrer Nachricht (Sie sehen: ich vermeide elegant das Problem mit "e-mail") kommen ä, ö und ü tatsächlich richtig an. Aus Kanada von Jan kommt stattdessen für ü zum Beispiel =3F an. Ich muß unseren Computer-Experten fragen, woran das liegt. Es wäre schön, wenn wir uns auf der Schaarschmidt-Feier tatsächlich treffen würden.

Herzliche Grüße  
Christoph Hartkopf-Fröder

-----  
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E-mail: hartkopf-froeder@mail.gla.nrw.de

To: hartkopf-froeder@mail.gla.nrw.de  
From: traverse@ems.psu.edu (Alfred Traverse)  
Subject: APP  
Cc:  
Bcc:  
X-Attachments:

Lieber Herr Hartkopf-Fröder:

meine Güte--"das e-mail". Ich habe vermutet entweder weiblich (wegen Post) oder männlich (wegen Brief). Dort ist ein Problem mit der deutschen Sprache. Englisch hat der-die-das vor 900 Jahren abgeschafft, und wir sagen nur "de"=the in allen Fällen. Betty und ich sind beide der Meinung, dass die Reform nicht sinnvoll ist. Es könnte sein, dass die Entwürfe .0001 besser sind, aber nicht gut genug so viel Mühe wert zu sein. Sie haben recht, die ü, ö, ä schwierig mit dem Computer sind. Aber mit anderen Sprachen gibt es besondere Buchstaben, die man unbedingt halten muss. Türkisch, die ich jetzt lerne, hat nicht nur ü und ö, sondern auch c, s mit Schwänzen, und g mit einem Halbmond oben.

Das erinnert mich, Ihr e-mail ist mit echten Umlauten angekommen. Ich habe auch eine Methode das zu tun, und auf dem Bildschirm sehe ich ü usw. Wenn ich allerdings diese Briefe drucken, kommen nur ue usw. Ich möchte wissen, ob Sie ue oder ü bekommen.

Gut zu wissen, dass mein Name noch auf der APP Liste steht.

Ja, ich schreibe meine Devon Arbeit für die Festschrift. Ich habe das nicht erwähnt, da ich der Meinung war, die Festschrift eine geheime Sache wäre. Hoffentlich werden wir auch an die Feier selbst teilnehmen.

Tschüs.

Alfred Traverse

From: "GLA NRW" <hartkopf-froeder@mail.gla.nrw.de>  
To: "Alfred Traverse" <traverse@ems.psu.edu>  
Subject: APP  
Date: Mon, 11 Aug 1997 10:18:52 +0200  
X-MSMail-Priority: Normal

Lieber Herr Traverse,  
das e-mail ist tatsaechlich gut angekommen. Ich hatte nur einmal vor zwei Wochen mit einem e-mail von Jan Jansonius Probleme, das nur in Fragmenten ankam.

Ich habe im APP-Mitgliederverzeichnis nachgesehen. Sie sind als Mitglied aufgefuehrt. Haben Sie das letzte Mitteilungsheft bekommen (ich glaube, das letzte Heft kam im Fruehjahr). Falls nicht, sollten Sie sich an Hans Kerp in Muenster wenden, er ist zur Zeit der Vorsitzende.

Wollen Sie Ihren Devon-Beitrag in der Schaarschmidt-Festschrift publizieren? Ich muess mich auch an die Arbeit machen und meinen Beitrag fertigstellen. Die "Deadline" kommt immer naeher.

Was haelt Ihre Frau eigentlich von der Rechtschreibreform in Deutschland, Oesterreich und der Schweiz? In Deutschland sind die Zeitungen voll mit Nachrichten ueber Prozesse gegen diese Reform und Diskussionen, ob sie sinnvoll oder nicht sinnvoll ist. Fuerchterlich! Wie kann man nur so viel Zeit und Geld verschwenden. Nach meiner Meinung geht die Reform gar nicht weit genug. Man haette gleich typisch deutsche Buchstaben wie ü=ue, ö=oe, ä=ae und ß abschaffen sollen. Man kann sie nicht einmal per e-mail verschicken!

Für Ihre Einladung danken wir sehr herzlich. Es kann tatsaechlich gut sein, daß wir demnaechst in den Osten der USA fahren. Wir ueberlegen noch. Im November werde ich wahrscheinlich auf eine Perm-Tagung nach Australien fahren. Vielleicht werden wir dann im Anschluss an die Tagung auch dort Urlaub machen.

Herzliche Gruesse

Christoph Hartkopf-Froeder (eigentlich Fröder)

---

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Germany

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Fax: +49-(0)2151-897505  
E-mail: hartkopf-froeder@mail.gla.nrw.de

To: hartkopf-froeder@mail.gla.nrw.de  
From: traverse@ems.psu.edu (Alfred Traverse)  
Subject: neue Adresse  
Cc:  
Bcc:  
X-Attachments:

Lieber Herr Hartkopf-Fröder,

Ihre Karteikarte enthielt keine e-mail Adresse für Sie. Ich bin allerdings froh sie zu bekommen. Ob e-mail "die beste Erfindung..." ist oder nicht wäre fragwürdig. Man könnte den ganzen Tag hier sitzen und mit dieser Maschine spielen, ohne das Mikroskop zu berühren.

Meine Frau und ich planen 16 Oktober-3 November Deutschland zu besuchen. Der Zweck der Reise ist die "neuen" Länder anzugucken. Leipzig, Dresden, Potsdam, Rostock, Erfurt, Weimar, so viel wie mit einem Bahnpass möglich ist. Eines Tages möchte ich noch einmal Krefeld besuchen. Das erste Mal war 1955. Meine Güte. Ich habe in letzter Zeit nichts von der APP erfahren. Es war immer mein Plan, gelegentlich die Tagungen zu besuchen.

mit besten Grussen

Ihr Alfred Traverse

From: "GLA NRW" <hartkopf-froeder@gla.nrw.de>

To: "Alfred Traverse" <traverse@ems.psu.edu>

Subject: new e-mail address

Date: Mon, 14 Jul 1997 17:24:15 +0200

X-MSMail-Priority: Normal

Lieber Herr Traverse,  
leider hat sich meine e-mail Adresse geändert (siehe unten). Im Augenblick  
korrespondiere ich viel (per e-mail; das ist die beste Erfindung seit dem  
Buchdruck) mit Jan Jansonius wegen des "File". Wann kommen Sie wieder nach  
Deutschland?

Herzliche Grüße

Christoph Hartkopf-Fröder

---

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17. November 1996

Dipl.-Geologe Christoph Hartkopf-Fröder  
Geologisches Landesamt Nordrhein-Westfalen  
Postfach 10 80  
D-47710 Krefeld, Deutschland

Sehr geehrter Herr Hartkopf-Fröder,

Ihr Brief vom 11. XI ist sehr schnell angekommen. Ein berühmtes Datum. Als ich Kind war, war es Feiertag--"Armistice Day." Der Erste Weltkrieg ist nämlich am 11. XI. 18, um elf Uhr zu Ende gegangen. Mein Vater und mein Onkel Harry, sein Bruder, sind beide Soldaten im Kanadischen Heer gewesen. Für jene Generation war der Tag sehr wichtig. Jetzt in Amerika ist es noch Feiertag, mit dem Namen "Veterans' Day," und es dem Publikum gar nicht bedeutet, nur das man das Postamt und die Bänke nicht besuchen kann.

Wir möchten sicher Deutschland wieder besuchen. Wir könnten sogar unser Deutsch verlernen. 1955 als ich bei Shell Oil Co. tätig war, habe ich ein paar Tage in Krefeld mit Potönie, Grebe, Teichmüller und den anderen verbracht. Ein Höhepunkt meines Lebens. Ich erinnere mich, daß die Stadt meistens noch mit Ruinen voll war. Eines Tages haben wir Köln besucht, und ich habe mit dem Ehepaar Potönie in Düsseldorf übernachtet. Ich wurde dort von einem großen Denkmal mit ewiger Flamme und der Parole "WIR ERWARTEN EUCH" sehr beeindruckt. Es hatte mit den abertausenden Kriegsgefangenen (10 Jahre nach dem Krieg) in der UdSSR zu tun. Ich habe viel später Krefeld und Köln wieder besucht. Ja, es wäre schön Sie dort zu besuchen und etwas in der Palynologie gemeinsam zu unternehmen. Ich würde provisorisch entweder Herbst '97 oder Frühling '98 vorschlagen. Unser Lebensstil ist etwas kompliziert. Wir haben zum Beispiel drei Wohnungen--Alphabet Arboretum, unser Landgut wo ich mit Bäumen und Sträuchern spiele und wir ein großes Haus mit einer Scheune, usw. haben; unsere kleine aber schöne Wohnung in State College wo wir übernachteten, falls das Wetter mies ist (wir sind die Heimat von schlechtem Wetter) oder was immer; unser ziemlich berühmtes Sommerhaus in den Adirondacks Bergen--"Insley Camp at Roosevelt Rock"--es wurde von Bettys Großvater begründet. Das Land gehörte im vorigen Jahrhundert einem Vetter und Sekretär von Teddy Roosevelt. Er hat "J. Roosevelt" mit großen Buchstaben auf der Seite eines großen Felsblock am Ufer des Sees graviert lassen.

Ich meine nur zu unterstrichen, daß wir ziemlich beschäftigt sind

und müssen daher weit im voraus planen. Frühling '97 werden wir ganz März in Italien verbringen. April-Mai muß ich Bäume bei Alphabet Arb. pflanzen usw. Nach der Ernte und einem Herbstbesuch bei Insley Camp sind wir wieder bereit, eine Reise zu unternehmen--November ist besonders gut für diesen Zweck. März bis früh April ist die andere beste Möglichkeit.

Haben Sie vielen Dank für das Geld. Ick kann die Helferin US\$ bezahlen. Meine Frau braucht Bar, um ihre Publikationkosten für ihr Buch das in Deutschland in Druck gegeben wurde, zu decken. (Es handelt sich um ihre Dissertation, über Neidhart von Reuental.)

e-mail ist wunderbar--sobald sie erhältlich ist, bitte mir Ihre Adresse schicken. Die beste Methode wäre einen Brief an die obige Adresse zu probieren.

Ich wünsche Ihnen und Ihrer Gattin alles Gute, auch für die kommenden Festtage. (Bei uns geht es zu bald los, mit "Thanksgiving Day" am letzten Donnerstag Novembers. Wenn ich ledig wäre würde ich bestimmt in der Türkei vom 20 Nov. bis 5. Jan. bleiben, um die ganze Sache zu vermeiden.)

Ich schicke Ihnen als Beilage ein paar Sonderdrücke, die Sie noch nicht bekommen haben.

mit freundlichen Grüßen

  
Alfred Traverse

*Anlage: Sonderdrücke*



## Geologisches Landesamt Nordrhein-Westfalen

┌ Dipl.-Geol. Christoph Hartkopf-Fröder im ┐  
└ Geologisches Landesamt NRW · Postfach 10 80 · D-47710 Krefeld ┘



Prof. Dr. Alfred Traverse  
The Pennsylvania State University  
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Telefax  
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Gesch.-Z.

Auskunft erteilt

Tel.-Durchwahl  
897-256

Datum  
11.11.1996

Sehr geehrter Herr Traverse,

herzlichen Dank für Ihren Brief und die Kopien der beiden Dissertationen. Ich kann sie beide sehr gut gebrauchen. Von den Proben, die Herr Wiggins bearbeitet hat, habe ich ja etwas Material bekommen. Wie Sie an den Tafeln gesehen haben, ist die Mikroflora hervorragend erhalten, viel besser als bei uns im Rheinischen Schiefergebirge.

In zwei Wochen fahre ich zu John Marshall nach Southampton (England), um bei ihm quantitative Bestimmungen von Sporenfarben zu machen. Ich muß einige Bohrungen bearbeiten, bei denen sich die Arbeit lohnt. Da ich in Krefeld keinen Gesprächspartner habe, mit dem ich über paläozoische oder mesozoische Mikrofloren diskutieren kann, freue ich mich sehr, ein Woche bei einem Spezialisten verbringen zu können. Kommen Sie demnächst wieder einmal nach Deutschland? Falls ja, hoffe ich, daß Sie einige Zeit nach Krefeld kommen können. Es würde sich sicherlich ein interessantes Projekt für eine gemeinsame Bearbeitung finden. Meine Frau und ich werden vermutlich im Januar nach Köln ziehen. Wir werden dort eine große Wohnung mit Gästezimmer und Gästebad haben, so daß Sie gerne bei uns wohnen könnten. Köln ist außerdem eine wunderschöne Stadt, es gibt also viele Gründe wieder einmal nach Deutschland zu kommen.

Ihre Kosten begleiche ich mit den beigelegten DM 50.00. Nochmals herzlichen Dank für Ihre Mühen. Bitte sagen Sie mir Bescheid, wenn ich Ihnen mit europäischer Literatur helfen kann.

Eine e-mail Adresse werde ich in wenigen Wochen haben.

Mit besten Grüßen

*Ch. Hartkopf - Fröder*

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22. Oktober 1996

Dipl.-Geol. C. Hartkopf-Fröder  
Geologisches Landesamt NW  
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Sehr geehrter Herr Hartkopf-Fröder:

Wir haben Ihre Bitte erledigt: die zwei "Masters theses" habe ich von den betreffenden Universitäten ausgeliehen und von einer Assistentin kopieren lassen. Da ich jetzt formell im Ruhestand bin, muß ich solche Kosten persönlich decken. Die Kosten für die 278 Seiten sind \$15.40. Die Zahlung für die Arbeit der Frau ist \$15. Insgesamt: \$30.00. Die beste Methode mich zu bezahlen wäre mir deutsches Bar zu schicken. Ich habe einen Umschlag mit deutschen Noten die ich für verschiedene Zwecke benutze.

Diese "Thesen" hat mich interessiert. Von Herrn Edwards hatte ich nie vorher gehört. Herr Wiggins ist auf der anderen Seite berühmter Palynologe, aber ich nie wußte, daß er so eine Unterkarbon Arbeit gemacht hat.

Ich wünsche Ihnen alles Gute. Es wäre gut Sie wieder zu sehen.

mit besten Grüßen

Ihr

Alfred Traverse

P.S. Haben Sie eine e-mail Adresse?

Anlagen: "Thesen"



e-mail

# Geologisches Landesamt Nordrhein-Westfalen

Dipl.-Geol. Christoph Hartkopf-Fröder im   
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Gesch.-Z.

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Datum  
22. Juli 1996

Sehr geehrter Herr Traverse,

seit drei Wochen bin ich nun vom IX. IPC in Houston zurück. Ich hatte gehofft, Sie dort zu treffen, aber leider waren Sie nicht unter den Teilnehmern. Die Tagung hat mir sehr gut gefallen. Alles war gut organisiert, und ich habe einige Kollegen neu kennengelernt.

Was machen Sie zur Zeit? Man erzählte mir, daß Sie inzwischen pensioniert sind oder demnächst pensioniert werden. Was sind Ihre wissenschaftlichen Pläne für die Zukunft? Sind Sie noch an dem Permokarbon interessiert?

Mein Hauptarbeitsgebiet ist zur Zeit das Oberdevon des Rheinischen Schiefergebirges, daneben arbeite ich ständig an oberkarbonisch /unterpermischen Profilen.

Zum Schluß habe ich noch zwei Bitten: Vor einiger Zeit schickten Sie mir eine Kopie Ihrer Arbeit "Nonmarine palynofloral "behavior" in the great die-offs". Sie erschien in einem Symposiumsband, der in Deutschland praktisch unbekannt zu sein scheint. Können Sie mir vielleicht schreiben, von welchem spanischen Kollegen man ein Exemplar kaufen kann oder welche Institution den Band vertreibt? Vielleicht steht etwas darüber auf dem Deckblatt Ihres Exemplars. Das eilt aber nicht.

Die zweite Bitte betrifft die beiden folgenden Diplom-Arbeiten:  
WIGGINS, V. D. (1962): Palynomorph fossils from the Goddard Formation (Mississippian) of southern Oklahoma.- MSc thesis, Univ. of Oklahoma  
EDWARDS, W. A. (1966): Palynology of the Francis shale (Pennsylvanian) from near Ada, Oklahoma.- Unpubl. MSc thesis, Univ. of Oklahoma.  
Ich habe versucht, die Arbeiten über UMI in Ann Arbor zu kaufen, doch erhielt ich die Antwort, daß sie diese Arbeiten nicht besorgen können. Ich habe aus den bearbeiteten Profilen Vergleichsproben bekommen, so daß mich die Diplomarbeiten sehr interessieren. Haben Sie eine Möglichkeit, an eine Kopie zu kommen? Ich kann problemlos die Kosten übernehmen (US \$-Scheck der Bank of America). Ich wäre Ihnen sehr dankbar, wenn Sie mir dabei helfen könnten.

Herzlichen Dank und alles Gute

*U. Hartkopf-Fröder - T. d. v.*

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15. September 1996

Dipl.Geol. Christoph Hartkopf-Fröder  
Geologisches Landesamt NRW  
Postfach 10 80  
D47710 Krefeld, Deutschland

Sehr geehrter Herr Hartkopf-Fröder,

nur eine Woche bleibt, vor Ihr guter Brief vom 22. Juli zwei Monate alt wird. Ich bin mit wissenschaftlichen und persönlichen Problemen sehr beschäftigt gewesen. Ich bitte um Verständnis.

Es war vielleicht ein Fehler, die Tagung in Houston nicht zu besuchen. Wir sind bis fast 1. Juni in Japan gewesen und ich wußte daß ich am Rückkehr viele Probleme zu lösen haben würde und habe daher eine Entscheidung getroffen, nicht teilzunehmen.

Ich bin seit 30 Juni, 1995 von einem technischen Standpunkt pensioniert. Es bedeutet wenig. Ich muß nicht mehr Vorlesungen und Praktika halten, obwohl ich Herbst 1995 die Palynologie unterrichtet habe. Ich habe keine feste Pflichten. Ich kann allerdings mein Arbeitszimmer und Labor bis mindestens 31 Dez. 98 halten, und ich arbeite fast jeden Tag wenn ich nicht auf Reisen bin.

Ja, ich interessiere mich noch an dem Permokarbon, obwohl ich andere Projekte habe die mehr eilig sind, zum Beispiel:

1. Ich möchte die zweite Auflage von "Paleopalynology" vorbereiten--es ist dringend, da die erste Auflage ausverkauft ist.

2. Ich habe ein Projekt im Oberdevon das mit dem Alter der ältesten Amphibie zu tun hat. Es ist eigentlich nur ein Teil eines großen Projekts über Devonstratigraphie von New York, Pennsylvanien und Umgebung. Ich habe ein Stück von dieser Arbeit vor einem Jahr oder so durch Senckenberg publiziert. Ihre Karteikarte zeigt, daß ich Ihnen nie eine Kopie davon geschickt habe. Ich lege eine Kopie bei, etwas verpasst nachzuholen.

3. Ich arbeite im Trias, besonders in Deutschland, aber auch in Nova Scotia und New Brunswick.

Die Publikation aus Spanien, die Sie erwähnt haben, aus den Trabajos de Palinología Básica y Aplicada, X Simposio de Palinología (A.P.L.E.), Univ. Valencia, 1994. (ISBN:84-370-1637-

Palinología (A.P.L.E.), Univ. Valencia, 1994. (ISBN:84-370-1637-1; Depósito Legal: V-3038-1994) kam. (A.P.L.E.: Asociación de Palinólogos de Lengua Española) Es gab zwei Festreden. Der andere Redner war ein Deutscher: G. Vorwohl, Landesanstalt für Bienenkunde. Univ. Hohenheim. 70599 Stuttgart. Sie könnten ihn anrufen, falls noch etwas unverständlich bleibt.

Ich werde morgen unsere Bibliothek besuchen, um Auskunft über die zwei Diplom-Arbeiten zu untersuchen. Es hängt wahrscheinlich ab, ob Univ. Okla. solche Thesen ausleiht oder nicht. Ich habe auch Freunde an der Univ. Okla., die es für mich vielleicht persönlich lösen könnten.

Jan Jansonius schreibt, daß Sie Interesse haben, die berühmten Karten zu übernehmen. Ich finde diese Auskunft sehr interessant. JJ und ich haben über die Karten immer beraten und ich würde Ihnen auch mit diesem Projekt gerne helfen.

mit besten Grüßen

Ihr

Alfred Traverse

Anlagen

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13. Februar 1995

Herrn  
Dipl.-Geol. C. Hartkopf-Fröder  
Geologisches Landesamt NW  
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Sehr geehrter Herr H.-F.,

vielen Dank für die Übersendung des Ausschnitts aus Der Zeit.  
Die Autorin hat alles gut beobachtet und berichtet. ABER es hat  
nichts, gar nichts mit dieser Universität zu tun. University of  
Pennsylvania ist in Philadelphia, eine Großstadt im Osten des  
Bundestaats. Unsere Universität ist viel größer und liegt auf  
dem Land in der genauen Mitte des Staats. Wir sind ungefähr 450  
km von Philadelphia entfernt. Wir haben hier auch ein paar  
Probleme, aber sie sind ganz anders wie in der Stadt.

Pennsylvanien enthält mindestens 100 Universitäten und Colleges.  
PSU ist bei weitem am größten--75,000 Studenten/-innen, 18  
campuses.

Herr Pfefferkorn aus Heidelberg ist jetzt Direktor des  
geologischen Instituts an der Univ. Penn. Philadelphia. Sie  
haben ihn wahrscheinlich kennengelernt. Er besuchte zum Beispiel  
APP in Krefeld vor ein paar Jahren.

Alfred Traverse  
Anlagen: Sonderdrücke; Ausschnitt

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11.April.94

Dipl.-Geol. Christoph Hartkopf-Fröder  
Geologisches Landesamt Nordrhein-Westfalen  
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Deutschland

Sehr geehrter Herr Hartkopf-Fröder,

die Postleitzahl oben scheint falsch zu sein, aber ich habe sie von Ihrem Brief nur kopiert.

Es freut mich zu erfahren, daß Sie erfolgreich das Problem des EFs gelöst haben. Sie sind mit Abstand zu teuer.

Xeroxkopien der zwei Veröffentlichungen die Sie brauchen sind beigelegt.

mit besten Grüßen verbleibe ich

Ihr

Alfred Traverse

Anlagen



Leider konnte ich die beiden Publikationen über den Leihverkehr in Deutschland nicht bekommen und von den beiden Autoren erhielt ich keine Antwort auf meine Bitte, mir einen Sonderdruck oder eine Xeroxkopie zuzuschicken. Vielleicht hatte ich auch nicht die aktuelle Adresse. Haben Sie einen Sonderdruck der beiden Arbeiten oder ist die Zeitschrift an Ihrem Institut vorhanden, so daß Sie mir eine Kopie machen und zusenden können? Sie könnten die Kopie aber auch Herrn Wilde mitgeben, der Sie ja demnächst besuchen wird. **Es eilt nicht!** Hoffentlich mache ich Ihnen nicht zu viel Umstände. Ich werde mich gerne revanchieren, falls Sie einmal etwas aus Deutschland benötigen.

Sicherlich ist die Kältewelle im Norwesten der USA jetzt vorbei und der Frühling kommt nun auch bei Ihnen. Sobald es etwas Neues aus dem Permokarbon von Arizona gibt, werde ich mich melden. Vielleicht sehen wir uns auch auf der Tagung in Heerlen, Niederlande im Herbst dieses Jahres?

Herzliche Grüße und nochmals vielen Dank für Ihre Hilfe

*John Edward Hartwell - J. E. H.*

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6. Feb. 94

Herrn  
Dipl.-Geol. Christoph Hartkopf-Fröder  
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Sehr geehrter Herr Hartkopf-Fröder:

Wegen des verrückten Wetters (-35 C., zum Beispiel) und des Beginns unseres "Frühlingssemesters (!?)", bin ich furchtbar im Verzug geraten. Ich habe nur heute Ihren Brief vom 27.12.93 gefunden.

Das Hauptproblem scheint der England Finder zu sein. Ich nehme an, daß Sie schon "die Quelle" versucht haben: Graticules Ltd., Morley Road, Tonbridge, England TN9 1RN?

Wir kaufen unsere "Finders" von Fullam in New York. Sehen Sie die Beilage. Ich nehme jedoch an, daß es besser und billiger wäre, für Sie direkt von Graticules zu bestellen.

Falls Sie noch Probleme haben, bitte schicken Sie mir pro Faxbrief (Nummer oben) diese Auskunft, und ich werde tatsächlich ein Stück für Sie bestellen, wie Sie es empfohlen haben. Letztes Jahr war es "nur" \$80. Ich kann kaum glauben, daß es jetzt \$130 wäre.

Ihr Brief hat mich zu Überlegung bewegt--sind wir zu abhängig von der Herstellung von EF? Sie wissen wahrscheinlich, daß ich eine andere Methode einmal publiziert habe. Man kann die Entfernung eines Exemplars von einem Punkt auf dem Objektträger bestimmen--mit dem Kreuztisch ist das leicht zu messen. Diese Methode ist gut, aber nicht so leicht als mit dem EF.

So weit für den EF. Ich besuche selten Tagungen, aber ich plane gelegentlich an APP-Tagungen teilzunehmen. (Sie haben eine Konferenz in Heerlen erwähnt.)

mit besten Grüßen und Entschuldigung für die Verspätung,

Ihr

Alfred Traverse

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17. Oktober. 1993

Herrn  
Dipl.-Geol. C. Hartkopf  
Geologisches Landesamt  
Postfach 1080  
47710 Krefeld, Deutschland

Lieber Herr Hartkopf,

was ist mit dem "Fröder" geschehen? Ich habe Ihre Postleitzahl auf meiner Karte korrigiert. Sollte ich auch den Fröder abwischen?

Es fällt mir schwer, daß Sie DM 2 für die Postkartegebühr bezahlen muß--das ist ungefähr \$1.25. In der anderen Richtung ist die Gebühr \$0.40!

Ich habe seit Jahren leider nie Zeit gehabt, ein allgemeines Ausschicken meiner Veröffentlichungen anzufangen. Ihr Name steht natürlich auf der "Liste". Da diese Liste jedoch nie gebraucht wird, ist das nicht besonders wichtig! Ich lege den erwünschten Artikel und ein paar andere bei.

mit besten Grüßen

Ihr

Alfred Traverse

Anlagen



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Gesch.-Z.

Auskunft erteilt

Tel.-Durchwahl

Datum

02151/897256 3.5.1993

Lieber Herr Traverse,

vor einigen Tagen erhielt ich - wohl auf Ihre Information hin - einen Brief von Kathleen Pigg von der Arizona State University. Sie beschäftigt sich mit der Makroflora von Promontory Butte in Abhängigkeit von der Fazies und scheint an den palynologischen Untersuchungen sehr interessiert zu sein. Ich denke, daß die makrofloristischen Untersuchungen in der Tat eine gute Ergänzung sein können. Die Arbeit von BLAZEY ist ja fast ausschließlich taxonomischen Inhalts. Ich habe Frau Pigg geschrieben, was wir vorhaben, welche Zielrichtung wir verfolgen und daß wir unbedingt in Kontakt bleiben sollten. Ich denke, daß das auch in Ihrem Sinne ist.

Inzwischen sind fast alle Proben von Promontory Butte aufbereitet. Außerdem sind die *Cono*-Bestimmungen abgeschlossen. Vielleicht kann ich auch einige Rock Eval Analysen machen lassen, das ist aber noch nicht sicher.

Zur Zeit schließe ich einige Arbeiten für das Geologische Landesamt ab, die ich dann publizieren will. Eine beschäftigt sich mit Unterkreide-Megasporen (zusammen mit Volker Wilde), eine andere mit Oberdevon-Mikroflora. Einen Teil möchte ich in Englisch publizieren. Wären Sie bereit, den englischen Text von den schlimmsten Fehlern zu befreien? Wenn das Manuskript fertig ist, melde ich mich noch einmal.

Herzliche Grüße

*Ch. Hartkopf-Fröder*



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17.März.93

Dipl.-Geol. Christoph Hartkopf-Fröder  
Geologisches Landesamt NW  
Postfach 1080  
4150 Krefeld, Deutschland

Sehr geehrter, lieber Herr Hartkopf-Fröder,

Ihr interessanter Brief vom 5.März ist nur heute angekommen. Wir haben nämlich das größte Schneegestöber des Jahrhunderts gehabt, und das Postamt had seit letzter Woche ganz und gar aufgegeben, die Post zu fördern.

Sie haben recht, Frau Dr. Pigg hat Ihren Namen von mir bekommen. Ich bin auch der Meinung, daß gemeinsame Arbeit nur gut sein könnte.

Ihre Forschung mit Oberdevon wird mich bestimmt interessieren und mir auch helfen. Sie erinnern sich wahrscheinlich, daß ich auch mit Spätdevon in NY und PA arbeite.

Ja, natürlich würde ich gerne Ihr Englisch korregieren, besonders weil ich gleichzeitig etwas lernen könnte!

mit besten Grüßen verbleibe ich

Ihr

Alfred Traverse

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6. Jan. 93

Herrn Dipl.-Geol. Christoph Hartkopf-Fröder  
Geologisches Landesamt NW, Postfach 1080  
4150 Krefeld, Deutschland

Sehr geehrter, lieber Herr Hartkopf-Fröder,

vielen Dank für Ihren Brief vom 28.12.92. Die Nachrichten über die Proben sind natürlich sehr interessant. Bezüglich des nomenklatorischen Ausschüßes kann ich nur sagen, daß neue Mitglieder wahrscheinlich nicht bis zu dem Tokyo Kongreß ernannt werden dürfen.

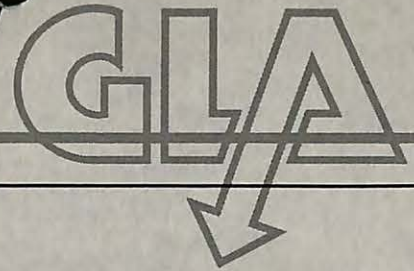
Ich wünsche Ihnen alles Gute im neuen Jahr!

Mit besten Grüßen

Ihr

Alfred Traverse

c:Chaloner



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Datum

02151/897256

28. 12. 92

Lieber Herr Traverse,

vielen Dank für Ihren Brief vom 25.11.1992.

Die Aufbereitung der Proben aus Arizona dauert noch an, da einige dringende Aufträge von meinen Kollegen am Geologischen Landesamt dazwischenkamen. Es geht aber (langsam) voran.

Bezüglich des Vorschlags von Dr. Jansonius und Prof. Chaloner, mich für den nomenklatorischen Ausschuß vorzuschlagen, warte ich jetzt einfach ab. Falls Sie offiziell etwas hören, wäre ich Ihnen für einen kurzen Hinweis dankbar. Für eine aktive Mitarbeit benötige ich dann ein offizielles Schreiben. Ich schrieb Ihnen ja bereits, daß man beim Geologischen Landesamt darauf achtet, daß der Direktor über die Aktivitäten seiner Mitarbeiter informiert ist.

Sobald alle Proben von Arizona aufbereitet sind, schicke ich Ihnen Präparate und Listen.

Herzliche Grüße

*Ch. Hartkopf - Fröder*



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25 November, 1992

Dipl.-Geol. Christoph Hartkopf-Fröder  
Geologisches Landesamt NW  
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D-4150 Krefeld 1  
Germany

Lieber Kollege,

haben Sie besten Dank für Ihren guten Brief vom 11.11.92, der erst heute angekommen ist!

Ich bin zur Zeit sehr beschäftigt aber ich habe mich an dieses Projekt in Arizona keineswegs vergessen. Ich habe keine Verbindungen mit den Ämtern die Sie erwähnt haben, aber ich könnte so was später entwickeln.

Im Bezug auf den nomenklatorischen Ausschuß, kann ich nur berichten, daß Ihr ~~Name~~ Name von Bill Chaloner nach der Aix-Tagung erwähnt worden ist. Normalerweise sind neue Mitglieder des Ausschusses erst bei dem Kongreß vorgeschlagen. Inzwischen darf der Vorsitzender zusätzliche Mitglieder zu dem Ausschuß ernennen. Herr Chaloner hat das bis jetzt noch nicht getan.

Wir bekommen jede Woche eine deutsche Zeitung und haben auch die schlechten Nachrichten aus Deutschland gelesen. Wir wissen allerdings, daß nur eine kleine Gruppe von Wahnsinnigen für die Krawallen verantwortlich sind.

Mit besten Grüßen verbleibe ich

Ihr

Alfred Traverse

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den 17. August 1992

Lieber Herr Hartkopf-Fröder,

Ihr guter Brief vom 4-VIII-92 hat mir natürlich sehr gefallen! Sie haben recht--wir haben uns wieder gut eingelebt, und die Steuererklärungen sind endlich fertig. Die Beschreibungen Ihrer Forschungen in Arizona usw. sind sehr interessant und sehr lehrreich.

Wie ich in Frankfurt Ihnen wahrscheinlich gesagt habe, ist mein Teller sozusagen im Augenblick sehr voll. Ich habe mindestens drei Projekte zu beenden bevor ich meine Arbeit mit den C/P Proben aus New Mexico wieder aufnehmen könnte. Inzwischen kann ich Ihnen mit der Literatur helfen, und ich möchte natürlich mit Ihnen Forschungen auf den laufenden bleiben, Objektträger angucken usw.

ich nehme an, daß die wichtigste Aufgabe jetzt wäre die zwei Dissertationen zu bekommen (Blazey & Pashuck), und ich habe mit diesem Versuch schon angefangen. Nach dieser Aufgabe, könnten Sie vielleicht mir anderen geben, am liebsten mit einer "Wichtigkeits-Reihenfolge." Ich glaube, z.B., daß ich Proben aus den erwähnten Bohrungen bekommen könnte, aber Ihr Brief scheint mir ein bißchen verwirrend. Auf. S. 4 (Z. 22) schreiben Sie, daß die Proben nicht bis später zu suchen sind. Richtig?

Ich bewundere Ihre Fleißigkeit sehr und hoffe, daß Sie vielen Erfolg haben werden!

mit besten Grüßen

Ihr

Alfred Traverse

AT/et

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Dipl.-Geol. Christoph Hartkopf-Fröder  
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den 6. November 1991

Sehr geehrter, lieber Herr Hartkopf-Fröder,

wie gut wieder von Ihnen einen Brief zu bekommen! Es wäre gut, wenn wir nächstes Jahr unsere gemeinsamen Forschungsinteressen besprechen könnten. Sie könnten mich fast jeden Tag am Naturhistorischesmuseum in Frankfurt finden! Ich habe nämlich eine Pflicht, mit einem bestimmten Projekt fertig zu werden. Es handelt sich um das Spätdevon von New York. Als ich einen Vortrag über dieses Thema in Krefeld in 1989 gehalten habe, war ich der Meinung, daß mein Doktorand Andy Schuyler die Arbeit beenden würde. Leider hat er inzwischen von einer Augenkrankheit gelitten. Er kann nie wieder eine Mikroskop benutzen, und ich muß daher die Forschung persönlich abschließen. Verständlicherweise kann ich in 1992 keine anderen Projekte unternehmen. Jedoch möchte ich besonders das Unterperm mit Ihnen besprechen. Nach meiner Rückkehr muß ich mein Forschungsprojekt in New Mexico beenden. Es handelt sich um die Perm-Karbon Grenze, wie Sie sich wahrscheinlich erinnern.

Sie und Ihre Gattin haben offensichtlich viel Spaß! Ich habe nie im Leben einen Urlaub gehabt! Es wäre schön, wenn meine Frau und ich Krefeld besuchen könnten, und Ihre Einladung hat mir sehr gefallen. Ob es geschehen könnte, weiß ich noch nicht.

mit besten Grüßen

Ihr

Alfred Traverse

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Datum

02151/897256 27.10.91

Lieber Herr Traverse,

es ist kaum zu glauben, daß unsere letzte Korrespondenz schon ein Jahr zurückliegt. Vor ein paar Tagen erzählte mir Dr. Schaarschmidt am Telefon, daß Sie im Januar für ein halbes Jahr nach Frankfurt kommen werden. Sicher haben wir dann Gelegenheit, ausführlicher miteinander zu diskutieren und vielleicht auch eine gemeinsame Arbeit zu schreiben. Ich habe immer noch Interesse an den Proben aus der Supai-Formation aus Arizona, von denen ich Ihnen vor einiger Zeit einige Präparate geschickt habe. Vor allem interessiert mich, etwas über die Pflanzenassoziationen, also über die Paläoökologie, auszusagen und natürlich der palynostratigraphische Vergleich des Unterperms von den U.S.A. und von Westeuropa. Vielleicht können wir mit diesem Material zusammen etwas erarbeiten? Ich werde bis zu Ihrer Ankunft in Deutschland auf jeden Fall alle Proben aufbereiten lassen.

Im letzten Jahr habe ich viele Proben aus dem Oberdevon - Unterkarbon Grenzbereich untersucht. Wie ich Ihnen schon schrieb, ist das Material sehr gut erhalten. Ich kann Ihnen gerne einige Präparate in Frankfurt zeigen oder für Ihre Vergleichssammlung geben. Außerdem habe ich von dem Perm-Kongreß in Perm, UdSSR viele Proben aus dem Kazan und Unterperm mitgebracht. Zum Teil sind sie sehr reich. Auf dem Kongreß waren auch einige andere Palynologen, u.a. N. KOLODA, G. WOOD, L. SATCHELL, J. UTTING, C. FORSTER und H. VISSCHER. Es war sehr interessant aber auch sehr lustig!

Ich hoffe, Sie schon im Januar in Frankfurt treffen zu können. Meine Frau und ich sind häufiger in der Umgebung von Frankfurt. Wir haben beide in Mainz studiert (diese Stadt liegt ungefähr 40 km westlich von Frankfurt) und die Eltern meiner Frau wohnen auch in der Nähe von Mainz. In zwei Wochen fahren wir in Urlaub, diesmal nach Florida und in die Südstaaten. Mitte Dezember kommen wir zurück. Natürlich sind Sie auch sehr herzlich zu einem Aufenthalt am Geologischen Landesamt in Krefeld eingeladen. Für diese Zeit können Sie gerne bei uns wohnen und wenn Sie möchten, zeige ich Ihnen einige touristische und geologische Attraktionen.

Herzliche Grüße

*Christoph Hartkopf-Fröder*



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den 26. November 1990

Sehr geehrter, lieber Herr Hartkopf-Fröder,

Ihr Brief vom 3. Oktober ist erst im letzter Zeit angekommen und hat mir sehr gefallen. Ein Vorschlag für meine Arbeit in Frankfurt ist für mich mit Devonproben zu arbeiten. Wir werden sicher Verbindungen miteinander über diese Sachen haben!

Ich lege eine Kopie meiner Veröffentlichung um die Pflanzenentwicklung bei, um die Sie gebeten haben.

mit besten Grüßen

Ihr

Alfred Traverse  
Professor für Palynologie

AT/et  
Anlage



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3. 10. 1990

Lieber Herr Traverse,

herzlichen Dank für Ihren Brief vom 11. September. Es hat mich sehr gefreut, daß Sie ab Januar 1992 in Frankfurt sein werden. Dann wird es sicherlich genug Gelegenheit zum Treffen geben, um die permischen Mikrofloren-Assoziationen zu diskutieren. Über was arbeitet Ihre ehemalige Studentin, Deb Willard, genau? Mit einigen Permokarbon-Publikationen bin ich jetzt fast fertig. Natürlich sind Sie herzlich zu einem Besuch beim Geologischen Landesamt und bei uns zu Hause eingeladen. Es würde mich freuen, Ihnen Geologisches und Touristisches zeigen zu können. Ich arbeite zur Zeit an Oberdevon - Unterkarbon Proben aus dem Untergrund der Niederrheinischen Bucht. Das Material ist sehr schön erhalten, da es sehr gering inkohlt ist. Viele Proben führen massenhaft *Retispora lepidophyta*.

Unser Urlaub im Südwesten war wirklich "great". Wir sehen die USA seit unseren Besuchen mit ganz anderen Augen. Vieles ist so anders als bei uns. Es hat uns viel Spaß gemacht, mit den Menschen im Südwesten zu reden. Was sie am meisten interessiert hat, das war natürlich die deutsch - deutsche Vereinigung.

Zum Schluß habe ich noch eine Bitte: Kürzlich fand ich Ihre Arbeit "Plant evolution in relation to world crisis and the apparent resilience of Kingdom plantae" zitiert. Leider haben wir die Zeitschrift Global and Planetary Change nicht am Geologischen Landesamt. Können Sie mir eine Xeroxkopie oder einen Sonderdruck zusenden?

Mit besten Grüßen

U. Ch. Hartkopf-Fröder

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den 11. September 1990

Sehr geehrter, lieber Herr Hartkopf-Fröder,

Ihren guten interessanten Brief vom 30.7.90 habe ich mit Vergnügen gelesen. Sie und Ihre Gattin haben offensichtlich eine gute Reise im Westen gehabt!

Ihre Arbeit im Unterperm ist für mich von großem Interesse. Ich bin mit der Red Tanks Fm. sehr im Verzug geraten, aber ich werde es endgültig fertig machen. Eine vorherige Studentin von mir, Deb Willard an dem Smithsonian in DC, arbeitet jetzt auch mit Perm/Karbon-Proben aus New Mexico.

Ich habe in letzter Zeit eine Entscheidung getroffen, mich um ein Forschungsfreies Semester Jan.-Juni 1992 zu bewerben und werde an dem Senckenbergmuseum in Frankfurt mit Spät-Devonproben arbeiten. Wenn möglich möchte ich auch dann mit Ihnen meine Permforshungen besprechen.

mit besten Grüßen

Ihr

Alfred Traverse  
Professor für Palynologie

AT/et



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Datum  
30.7.1990

Lieber Herr Traverse,

vor fünf Wochen sind meine Frau und ich aus unserem zweiten Urlaub im Südwesten der USA zurückgekommen. Es hat uns wieder unglaublich gut gefallen. Diesmal waren wir etwas abseits von den großen Touristenattraktionen wie Grand Canyon, Monument Valley oder Arches National Park. Stattdessen besuchten wir die abgelegenen Gegenden, alte Indianersiedlungen, Geisterstädte und Bergbaugebiete. Das Klima war Ende April und Mai hervorragend zum Reisen: es war noch nicht zu heiß aber tagsüber sehr angenehm. Tatsächlich gibt es bei vielen Deutschen die Unsitte, sich am Strand "braten" zu lassen.

Ich war auch noch einmal an einigen Unterperm-Lokalitäten, um Vergleichsproben zu sammeln. Die Proben sind aber noch nicht aufbereitet, da ich so viel im Unterdevon zu tun habe. Die Geländegeologen bringen zur Zeit viele Proben aus dem Unterdevon der Eifel zur Klärung stratigraphischer Fragen. Was machen Ihre Arbeiten in der Red Tanks Fm?

Herzliche Grüße

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den 28. Februar 1990

Sehr geehrter, lieber Herr Hartkopf-Fröder

Ihren guten Brief vom 10. Feb. 90 habe ich mit Vergnügen bekommen. Es gefällt mir zu wissen, daß Sie so weit mit den Permforschungen gekommen sind.

Es ist wahrscheinlich nicht nötig, Sie zu warnen, daß es in Südwesten unglaublich warm in Juni ist! Oktober ist eine viel bessere Jahreszeit für Menschen europäischer Herkunft, Exkursionen dort zu unternehmen! Deutschen scheinen vielleicht Ausnahmen zu sein? (Meine Doktorandin aus Kenya hat mir erzählt, daß die Deutschen sich gerne am Strand in Mombasa "kochen.")

mit besten Grüßen

Ihr

Alfred Traverse  
Professor für Palynologie

AT/et



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Datum

02151/897256

10.2.1990

Lieber Herr Traverse,

herzlichen Dank für Ihren Brief vom Dezember vorigen Jahres. In der Zwischenzeit habe ich mir eine ganze Menge Literatur über die Lithostratigraphie der Supai Group vom Mogollon Rim, Arizona besorgt. Eine gute Arbeit stammt von BLAKEY (1979) in Field Trip No. 13, 9. internat. Congr. Carboniferous Stratigr. Geol., Carboniferous stratigraphy in the Grand Canyon country northern Arizona and southern Nevada. Die biostratigraphische Einstufung der Profile scheint noch sehr unsicher zu sein. Eine palynostratigraphische Bearbeitung ist daher sicherlich von großer Bedeutung.

Die Chancen, daß meine Frau und ich im Frühjahr (vermutlich Ende April bis Anfang Juni) Urlaub im Südwesten der USA machen können, sind ganz gut. Ich könnte daher die wichtigsten Lokalitäten mit grauen Tonsteinhorizonten in der Supai Group am Mogollon Rim besuchen und Proben für palynologische Untersuchungen nehmen. Wahrscheinlich werde ich auch einmal an R. C. Blakey, Northern Arizona Univ., Geol. Dept., Flagstaff schreiben. Sicherlich kennt er noch weitere geeignete Lokalitäten in dieser Gegend.

Sobald sich etwas Neues ergeben hat und wir den genauen Termin unseres Urlaubs kennen werde ich Ihnen schreiben.

Herzliche Grüße

*C. Hartkopf-Fröder*

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den 12. Dezember 1989

Sehr geehrter, lieber Herr Hartkopf-Fröder,

Ihren interessanten Brief vom 29.11.89 und die drei Objekträger von der Supai Fm. habe ich am 8.XII.89 bekommen, und ich bedanke mich dafür. Die Präparate sind tatsächlich verschieden, d.h. ein Präparat enthält eine ganz andere "Pflanzengemeinschaft" von den zwei anderen.

Es würde mich bestimmt interessieren, eine Zusammenarbeit zu machen. Meine Proben aus New Mexico (Red Tanks) sind wahrscheinlich im Alter gut vergleichbar. Ich beabsichtige sehr vorläufig, einen Vortrag in Argentinien über dieses Thema zu halten.

Falls Sie USA besuchen, könnten Sie hier unterwegs nach Arizonien die Reise unterbrechen. Sie wären bei uns immer willkommen.

mit besten Grüßen, besonders für einen guten  
Rutsch ins Neue Jahr,

Ihr

Alfred Traverse

AT/et



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Auskunft erteilt

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Datum

02151/897256

29.11.1989

Lieber Herr Traverse,

inzwischen sind die ersten Proben aus der Supai Fm. von Promontory Butte aufbereitet und durchgesehen. Die Proben aus der Kohle haben tatsächlich Palynomorphen geliefert. Sie sind zwar nicht erstklassig erhalten, doch läßt sich die Mikroflora stratigraphisch auswerten. Wahrscheinlich lassen sich die Proben auch noch besser aufbereiten. Ich habe noch ca. 20 weitere Proben, die auch sehr gut aussehen und bestimmt auswertbare Mikrofloren liefern werden.

Ich hätte an der Bearbeitung der Mikroflora aus der Supai Fm. gewisses Interesse, da ich den gleichen stratigraphischen Bereich in Westdeutschland seit mehreren Jahren untersuche. Ein Vergleich der Assoziationen aus der Supai Fm. mit den westeuropäischen aus dem Karbon/Perm-Grenzbereich wäre sicherlich sehr aufschlußreich. Zumal bis auf die nicht publizierte Dissertation von KREMP (1975) und der kurzen nur bis zum Gattungsniveau bestimmten Mikroflorenliste von CANRIGHT (1978) keine palynologischen Daten aus der Supai Fm. bekannt sind. Ein Profil habe ich bei der Probennahme damals aufgenommen. Mit gleicher Post sende ich Ihnen drei Präparate. Die Proben dazu liegen nur wenige Zentimeter auseinander, zeigen aber deutliche Unterschiede in der Zusammensetzung der Assoziation. Das bietet auch einen Ansatzpunkt für eine paläoökologische Analyse der kohligen Lagen, zumal ja auch die Makroflora bekannt ist (z.B. Abfolge der Pflanzengemeinschaft, Kohle bildende Pflanzen, Vergleich Makro- und Mikroflora). Was halten Sie davon und hätten Sie eventuell Interesse an einer Zusammenarbeit? Ich würde gerne dazu Ihre

Meinung hören. Eventuell müßte man noch einmal weitere Proben von Promontory Butte und Fossil Creek nehmen; aber v<sup>e</sup>lleicht kommen meine Frau und ich nächstes Jahr noch einmal zum Urlaub machen in den Südwesten der USA.

In Krefeld gibt es im Augenblick nicht viel Neues. Ich überlege, ob ich auf den Karbon-Perm Kongreß nach Argentinien (1991) fahren soll. Es würde mich sehr interessieren aber es ist auch sehr teuer.

Herzliche Grüße

*U. Michael Handley - F. de*

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

Herrn Dipl. Geol. C. Hartkopf-Fröder  
Geologisches Landesamt  
Nordrhein-Westfalen  
De-Greiff-Straße 195, Postfach 1080  
4150 Krefeld, BRD

den 29. August 1989

Sehr geehrter Herr Hartkopf-Fröder,

es hat ein bißchen Zeit gekostet, aber ich habe endlich die  
"M.S. Thesis" aus Arizona State University für Sie bekommen. Ich  
habe nämlich von dem verantwortlichen Professor seine persönliche  
kopie ausgeliehen, und meine Frau hat für Sie eine Xeroxkopie  
gemacht. Ich lege sie bei.

Mit besten Glückwünschen für Sie verbleibe ich

Ihr

Alfred Traverse  
Professor für Palynologie

AT/et  
Anlage



D-4150 Krefeld  
De-Greiff-Straße 195  
Tel. (02151) 897-1

Erreichbar ab Hauptbahnhof Krefeld  
mit Omnibuslinien 055 und 056

Dipl.-Geol. C. Hartkopf-Fröder  
Geologisches Landesamt NW, Postf. 1080, De-Greiff-Str. 195, D-4150 Krefeld

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

U. S. A.

Gesch.-Z. (bitte angeben)

Auskunft erteilt

Telefon-Durchwahl

Datum

02151/897256

19.9.1989

Sehr geehrter Herr Traverse,

gestern erhielt ich die Kopie der Dissertation KREMP. Ihnen und Ihrer Frau vielen herzlichen Dank für die Beschaffung und die Arbeit beim Kopieren. Die Arbeit wird sehr interessant sein im Vergleich mit der Mikroflora aus der Supai Fm.

Leider bin ich noch nicht dazu gekommen, die Proben aufbereiten zu lassen bzw. durchzusehen. Sobald ich sie angeschaut habe, schicke ich Ihnen Vergleichsmaterial und das erste Ergebnis.

Falls Sie oder Ihre Frau Literatur aus Westdeutschland benötigen, so lassen Sie es mich wissen. Ich will gerne versuchen, Ihnen dann behilflich zu sein.

Herzliche Grüße

*u*  
*u. Hartkopf - Fröder*

THE PENNSYLVANIA STATE UNIVERSITY  
DEPARTMENT OF GEOSCIENCES  
PALYNOLOGICAL LABORATORIES  
435 Deike Building  
University Park, PA 16802  
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Herrn  
Dipl. Geol. C. Hartkopf-Fröder  
Geologisches Landesamt Nordrhein-Westfalen  
De-Greiff-Strasse 195, Postfach 1080  
4150 Krefeld, BRD

den 19. Juli 1989

Sehr geehrter Herr Hartkopf-Fröder,

herzlichen Dank für Ihren Brief vom 5. Juli. Es ist gut zu wissen, daß die USA-Reise so gut gegangen ist.

Ein ehemaliger Doktorand von mir, Ronald Litwin (USGS-Reston) hat sich mit einer Dissertation über Chinle-Palynomorphen, teilweise aus PFNP, promoviert. Sporenhaltige Proben aus der Supai Fm. würde mich wirklich interessieren, falls Sie erfolgreich wären.

Ich würde gerne Ihr Manuskript über Karbon-Perm Sporen durchlesen und sprachlich verbessern. Weil ich auch mit solchen Sporen beschäftigt bin, könnte es mir sogar helfen!

Vielleicht habe ich es in Krefeld nicht klar gemacht, daß ich seit Jahren kein Verhältnis mehr zum "Catalog of Fossil Spores and pollen" gehabt habe. Sie sollten sich mit diesen Fragen an "Coal Research Section, 517 Deike Building, University Park, PA 16802" wenden.

Ich habe eben gerade die Bibliothek besucht, um die Dissertation aus ASU für Sie zu bestellen. Leider muß ich mitteilen, daß es schwierig ist, von jener Universität Ausleihungen zu bekommen. Ich probiere daher eine andere Methode, die gesuchte Dissertation zu kriegen. Sie könnten den Daumen halten, bitte!

Krefeld hat mir sehr gefallen. Teilweise ist das (zu erklären) durch meinen letzten Besuch, vom Jahr 1955 ← Krefeld war dann noch eine Trümmerstadt.

Ich wünsche Ihnen alles Gute und verbleibe mit besten Grüßen

Ihr

Alfred Traverse  
Professor für Palynologie

AT/et



D-41 Krefeld  
De-Greiff-Straße 195  
Tel. (02151) 897-1

Erreichbar ab Hauptbahnhof Krefeld  
mit Omnibuslinien 055 und 056

Dipl.-Geol. C. Hartkopf-Fröder

Geologisches Landesamt NW, Postf. 1080, De-Greiff-Str. 195, D-4150 Krefeld

Herrn Prof. Dr. A. Traverse  
The Pennsylvania State University  
Department of Geosciences  
435 Deike Building  
University Park, PA 16802  
U. S. A.

Gesch.-Z. (bitte angeben)

Auskunft erteilt

Telefon-Durchwahl

Datum

02151/897256

5.7.1989

Sehr geehrter Herr Traverse,

herzlichen Dank für Ihren Brief vom 19.6. Inzwischen sind meine Frau und ich aus dem USA-Urlaub zurückgekehrt. Wir waren 6 Wochen im Südwesten, vor allem in den Staaten Arizona, New Mexico und California. Es hat uns sehr gut gefallen, die Leute dort sind sehr nett, das Wetter phantastisch und es gibt so viel zu sehen, daß man in einem Urlaub gar nicht alles anschauen kann.

Natürlich haben wir auch einige geologische Besonderheiten besichtigt. Mit der Erlaubnis der Parkaufsicht habe ich acht Proben aus der Chinle Fm. des Petrified Forest mitgenommen, die zum Vergleich mit obertriassischen Proben aus Westdeutschland sicherlich sehr hilfreich sind. Außerdem habe ich einige Proben aus der Supai Fm. von Arizona gesammelt. Wenn das Material interessant ist, kann ich Ihnen einige Präparate zusenden. Anschließend haben wir noch Prof. Ash in Ogden besucht.

Zu Ihren Fragen: Über unsere Siebanlage gibt es noch keine Publikation. Wir haben die Anlage hier entwickelt. Herr Ashraf/Bonn und ich wollen aber eine Arbeit über zwei verschiedene Siebanlagen schreiben und vermutlich im APP-Band, der beim Courir Forschungsinstitut Senckenberg erscheint, veröffentlichen. Unser Durchlicht/Auflicht Mikroskop ist ein ZEISS Axioplan mit Auflichteinrichtung HD, Interferenzkontrast und Photoeinrichtung MC 100. Die Methode, Auf- und Durchlicht zu mischen und bei hoch inkohlten Palynomorphen anzuwenden, ist beschrieben worden von REITZ (1987): Silurische Sporen aus einem granatführenden Glimmerschiefer des Vor-Spessart, NW-Bayern.- N. Jb. Geol. Paläont. Mh., 1987(11): 699-704; Stuttgart. Eine Kopie der Arbeit schicke ich Ihnen mit gleicher Post zu. Falls Sie detailliertere Angaben zu unserem Mikroskop benötigen, so lassen Sie es mich wissen.

Ich arbeite jetzt an einer Publikation über Palynostratigraphie des Oberkarbon/  
Unterperm des Erbendorfer Beckens in Süddeutschland. Das Material ist ganz schön  
erhalten. Ich möchte die Arbeit in englisch schreiben, da die in deutsch geschrie-  
benen Publikationen meist nur von wenigen gelesen werden. Wären Sie bereit, das  
Manuskript einmal durchzulesen, kritische Anmerkungen zu machen und sprachlich  
zu verbessern? Mir wäre damit sehr geholfen. Bis ich ganz fertig bin wird es aber  
sicherlich noch einige Monate dauern.

Zum Schluß habe ich auch noch eine weitere Bitte: Auf der APP-Tagung sagte ich  
Ihnen, daß es in Westdeutschland unmöglich ist, amerikanische Dissertationen über  
die Fernleihe zu bekommen. Sie boten damals an, die gesuchten Dissertationen  
auszuleihen und mir zu schicken. Die folgende Arbeit ist für mich sehr wichtig:  
KREMP, K. (1975): Palynology of a late Paleozoic coal from Fossil Creek Canyon,  
Arizona.- M.S. Thesis, Arizona State Univ., 167 pp.

Dies ist eine der ganz wenigen Arbeiten, in denen palynologische Daten aus der  
Supai Fm. beschrieben werden. Für den Vergleich mit dem untersten Perm von Europa  
ist die Arbeit sehr wichtig.

Bei Ihrem Besuch in Krefeld sprachen wir auch über den Catalog of fossil spores  
and pollen. Wir besitzen die Bände Vol. 1 - 40, Translations Vol. 1 - 2, Index  
für Vol. 11 - 20, 21 - 30, 31 - 40. Abhängig vom Preis würden wir die fehlenden  
gerne dazukaufen. Welche weiteren Bände sind inzwischen erschienen (offensichtlich  
fehlt uns zumindest der Index für Vol. 1 - 10) und was kosten sie?

Ich hoffe, daß Sie in Europa eine schöne Zeit hatten und daß Sie und Ihre Frau  
in Genf alles erreicht haben. Hier am Geologischen Landesamt ist nach der Tagung  
für uns auch wieder die Routine eingekehrt. Trotzdem habe ich zur Zeit einige  
interessante Aufgaben.

Herzliche Grüße und mit bestem Dank für Ihre Hilfe

U

U. von Hartleb - Krefeld

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

Herrn  
Ch. Hartkopf-Fröder  
Geologisches Landesamt  
Nordrhein-Westfalen  
Postfach 1080  
D-4150 Krefeld 1, BRD

den 19. Juni 1989

Sehr geehrter Herr Hartkopf-Fröder!

Vielleicht erinnern Sie sich an mich. Ich habe Sie während der Tagung der APP in Krefeld (9-12 Mai) kennengelernt. Ich schreibe Ihnen, um wenn möglich weitere Auskunft über zwei Themata zu bekommen. Erstens, gibt es einen Publikationen oder etwas mit einer Beschreibung des Apparats für Filtration der Palynomorphen, den Sie aufgestellt und demonstriert haben? Ich muß erklären, daß ich auf der Rückreise in New York zum Opfer einem Dieb gefallen bin. Er hat meine Aktentasche gestohlen, und meine Notize von Krefeld sind verloren gegangen. Zweitens möchte ich auch Auskunft über das Mikroskop für gleichzeitige Verwendung von Durchlicht und Auflicht (Axioplan Zeiss?) haben.

Es scheint mir, daß ich Ihnen etwas anderes schicken oder schreiben sollte, aber ohne mein Notizbuch bin ich fast hilflos.

mit schönen Erinnerungen an unsere Unterhaltung  
verbleibe ich

Ihr

Alfred Traverse  
Professor für Palynologie

AT/et

Juniata College  
Huntingdon, Pennsylvania 16652  
(814) 643-4310



Dr. Alfred Traverse  
R.D.#2, Box 39  
Huntingdon, PA 16652

Dear Al:

I apologize for communicating this information to you in writing but have missed you a number of times on the phone. We are currently in the process of reevaluating our budget is extremely tight. We find that we must economize in all possible places, even where there is associated pain. Unfortunately, one of these areas is among part-time positions and lectureships--which includes your activities here at Juniata, at least in so far as they are compensated. I am sorry to have to inform you that we will not be able to continue your compensated lectureship during the 1984-85 Academic Year.

This decision was not taken lightly and both President Binder and I are aware that the program enrichment which you provided will be sorely missed. I hope that it will be possible to work something out in the future and hope you understand the necessity for this action.

In the meantime, I stand ready to debate Kant's views of science with you at any time.

Sincerely,

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

Donald T. Hartman  
Vice President and  
Dean of Academic Affairs

cms

July 17, 1984

5 January,, 1984

Professor Donald T. Hartman  
Dean of Academic Affairs  
Juniata College  
Huntingdon, PA 16652

Dear Terry:

It was a pleasure to get your most interesting letter of 14 December re my "proof text". Your explanation of Kant's "natural necessity" was very helpful. I am obviously an amateur philosopher despite seminary and that neat title of "Doctor of Philosophy"!

All the best to you for 1984.

Yours very truly,

Alfred Traverse  
Professor of Palynology

AT/et

# JUNIATA COLLEGE

Huntingdon, Pennsylvania 16652

814-643-4310

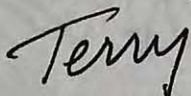
Dr. Alfred Traverse  
R. D. #2, Box 39  
Huntingdon, PA 16652

Dear Al:

Thanks for the page from Huxley's work on Hume. I agree with the passage as far as it goes. No one would claim, I think, that there is no relationship between Kant and Hume. The crucial interpretation hinges on the use of the word "phenomena" near the end of the second paragraph. For Kant, the phenomena of the world, i.e., "reality," exhibit a necessity in their operation which Hume doesn't find. This was the point I was trying to go for in terms of a major and significant difference between the two. While both are empiricists, they are not so in the same way. For Hume there is no natural necessity; for Kant there is. This arises because of the operation of the mind which for Hume has no internal principle or integrity of the whole. For Kant, the mind supplies the principles which organize the raw data of experience into the phenomenal world. In fact, it does this so well that it is impossible for us to perceive the world without natural causal necessity. Hume defines natural necessity as an unwarranted intrusion on simple experience. For Kant, experience is impossible without it. This is what the synthetic a priori means in his system.

I suppose we could debate about this for a long time, and it may be that the question is irrelevant for many purposes, but for the time being at least, I will hang on to the distinctions I see between the two.

Cordially,



Donald T. Hartman  
Vice President and  
Dean of Academic Affairs

jr

December 14, 1983

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

24 June, 1994

Mike Hartzell  
Perfect Insight  
Box 321  
Mifflinville, PA 18631

Dear Mike:

Enclosed are two Olympus objectives I wanted to have you check while you were here, but I forgot to have you do it. Could you express an opinion (scribbled on a piece of paper fine, and return to me? I enclose first class postage.

Best wishes.

Yours very truly,

Alfred Traverse

AT/et  
encl: two Olympus objectives

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

13 June, 1989

Class Notes  
Harvard Magazine  
7 Ware St.  
Cambridge, MA 02138-4001

Dear Friends:

Maybe it's about time to let my classmates (1947) know I still exist:

Alfred Traverse (Ph.D. '51) is still Professor of Palynology at Penn State. Unwin Hyman Ltd. (U.K.) recently published his book Paleopalynology, the first comprehensive textbook for college teaching in this field.

Yours very truly,

Alfred Traverse  
Professor of Palynology

AT/et

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  
E-Mail: traverse@ems.psu.edu

12 September, 1996

Director  
Gray Herbarium  
Biological Laboratories  
→ Harvard University  
Cambridge, MA 02138

Dear Colleague:

A half-century ago when I was a doctoral student at Harvard I collected at the Gray floral snippets for my working collection of modern pollen. To give you an idea of how long ago this was, the herbarium was then located on Garden St.

One species I collected was: Hippocratea volubilis (Hippocrateaceae). The material was collected in Panama in 1937 by a collector named Allen, whose number for this collection was #319.

Material I recently collected from the Smithsonian Herbarium, also labelled Hippocratea volubilis, produces pollen that agrees with various atlases of modern pollen, whereas the material I processed 50 yrs. ago at Harvard did not.

Could you have somebody reexamine that sheet in your herbarium to see what it really is? Perhaps I made a mistake of some sort in labelling my packet, though if I did it will be a first.

Thanks very much.

Yours very truly,

Alfred Traverse

HARVARD UNIVERSITY  
CAMBRIDGE

OFFICE OF  
THE UNIVERSITY MARSHAL  
WADSWORTH HOUSE  
CAMBRIDGE, MASSACHUSETTS 02138

*file*

March 10, 1987

Professor Alfred Traverse  
R.D. 2  
Box 390  
Huntingdon, Pennsylvania 16652

Dear Professor Traverse:

I am delighted that you will act as Harvard delegate at the Inauguration of Robert Wilbur Neff as the ninth president of Juniata College on Saturday, the fourth of April. I have notified the Office of the President of Juniata College that you will represent the President and Fellows of Harvard College on that occasion and have asked them to send you any information you may need in the performance of your duties.

I am enclosing the delegate's card which you should forward to the Committee.

I understand that you have your own academic costume, so that we will not need to order one for you. The written greeting from the President and Fellows of Harvard College which you will present at the ceremony will be sent to you in ample time.

I feel sure you will enjoy the occasion and appreciate your representing Harvard.

Sincerely yours,

*Bernice Levinson*

(Mrs.) Bernice Levinson  
Assistant to Richard M. Hunt,  
University Marshal

file Harvard

13 April, 1984

Office of the President  
Room 671, Holyoke Center  
1350 Massachusetts Ave.  
Cambridge, MA 02138

Dear Friends:

I note in the recent packet re Board of Overseers and Alumni Association elections an interesting dieparity: the ballot for the Board election describes the body as "...of Harvard College", whereas the brochure says "...Harvard University Board of Overseers". Does this difference represent an error or bespeak a change in nomenclature that is in the wind?

Yours very truly,

Alfred Traverse  
Professor of Palynology

AT/et

P.S. One reason for lack of participation in the election noted by President Bok is likely Harvard's lack of an alumni magazine where such matters are talked up. Harvard Magazine is a good paper--a very good one--but it does not serve the purpose of an alumni mag. How about, say, a Harvard Newsletter for the purpose of alumni stimulation? Should also give sports coverage, etc. HM is almost hopeless for news--except for obits, which might better go in the Newsletter.



THE GRAY HERBARIUM OF HARVARD UNIVERSITY

*file*

March 10, 1981

Prof. Alfred Traverse  
Dept. of Earth Sciences  
435 Deike Bldg.  
Pennsylvania State University  
University Park, PA 16802

Dear Dr. Traverse:

The Department of Biology has an opening for an Assistant Professor of Biology and Assistant Curator of the Paleobotanical Collections of the Botanical Museum. The position is available as of September 1, 1981.

We are seeking a candidate of superior abilities in any field of paleobotany. Duties involve teaching an undergraduate and a graduate course each year in the area of paleobotany and assisting with the curatorial duties connected with a collection of specimens of macrofossils, forest woods, and a collection of pollen specimens. Upon the retirement of Professor Barghoorn in 1985, sole responsibility for the care of the collection will fall upon the candidate. The position is a "tenure track" position, subjected to the usual constraint of superior performance and academic distinction expected of a Harvard professor.

Candidate should send a curriculum vitae and name of referees to:

Professor Otto T. Solbrig  
Gray Herbarium, Harvard University  
22 Divinity Avenue  
Cambridge, MA 02138

---

OFFICE OF THE DIRECTOR

22 DIVINITY AVENUE  
CAMBRIDGE · MA · 02138  
TEL: 617 495-4302

file: Harvard 25th Reunion

February 21, 1972

Miss Anne McCoubrey  
Class Report Office  
Holyoke Center 651  
Cambridge, Massachusetts 02138

Dear Anne:

Your postcard of 2 February did the trick as far as getting in touch with Allen Crouch is concerned, but I am not sure I did very much good other than to renew our acquaintance--moribund since freshman year! I just may have persuaded him to come to reunion, so it wasn't entirely a loss effort.

Best wishes.

Yours very truly,

Alfred Traverse  
Professor of Geology & Biology

AT/vsi

*Esteban*

*Fidelity Union Skin*

December 10, 1969

*10/1/2000*

Mr. Brad Howell  
Harvard College Admissions Office  
Harvard University  
Cambridge, Massachusetts 02138

*file*

Dear Mr. Howell:

Talked with Louis Appell, the alumni chairman for these parts, the other day. In the course of the conversation, I mentioned that my own son, Paul, has applied for Harvard this year. We agreed that under the circumstances (that I am a member of the central Pa. alumni committee), it would be better if the usual interview were handled at Cambridge instead of by one of us.

As you know, I have been trying to reach you by phone, but we seem mutually inaccessible. One of your secretaries told me that you have no possibility of conducting such an interview until January. Problem is that I have business in Massachusetts on Friday, 19 December, and could provide Paul with transportation at that time. It is normally too long a haul for us from here for such a purpose.

So, the long and the short of it is that I wanted to appeal for a special favor--that somebody interview Paul sometime during the afternoon or early evening of Friday, the 19th. I would not have the gall to ask this except that I have been interviewing applicants whenever asked, first in N. Dak., then in Tex., most recently here, for twenty years and have on occasion driven over a hundred miles to do it. It seemed to me that perhaps I was in a better than average position to ask a favor! (If you know Dana Cotton, he can confirm I worked hard as "his" alumni rep in Houston when he used to be our visitor!)

Yours very truly,

Alfred Traverse '47  
Associate Professor of Geology & Biology

AT:kc

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

25 July, 1989

Editorial Office  
Harvard Magazine  
7 Ware St.  
Cambridge, MA 02138-4001

Dear Friends:

Reading the current Magazine reminds me that my recent book, Paleopalynology, a comprehensive text for the study of fossil spores, pollen and other organic-walled microfossils, probably qualifies for listing in "Books and Authors." I enclose a xerox of a few sheets to provide the necessary info.

Yours very truly

Alfred Traverse  
Professor of Palynology  
(Harvard: S.B. '47, A.M. '48,  
Ph.D. '51; ETSSW: M. Div. '65)

AT/et  
encl: xeroxes

Harvard Magazine, Wadsworth House, Cambridge 02138  
Telephone 617-495-5746

Professor Alfred Traverse  
College of Earth and Mineral Sciences  
Deike Building  
University Park, Pa. 16802

Dear Professor Traverse,

Thanks for writing us about what you find lacking in Harvard Magazine. It hurts to lose a reader, but it certainly helps to know why we lost him.

As it happens, your concerns about Harvard Magazine resonate with mine. A couple of years back, we addressed ourselves to the problem of overlap between Harvard Magazine and Harvard Today (and to some extent with the Gazette). We decided to reorchestrate the relationship somewhat, with HM carrying the major share of general-interest material, and HT and HUG supplying the need for specific College and University news -- an area that we would attempt to cover in a panoramic fashion.

While I think it made sense to eliminate overlap and duplication of effort, I am sorry that the magazine did not come up with new and enterprising ways to cover Harvard. The nature of the place invites it; the interests of our core readership demands it. I wouldn't agree that much of our University section is cribbed from the Gazette -- we pride ourselves on originating our own material -- but we have in fact wound up covering many of the same developments. There's room for more imaginative reporting and presentation, and we haven't been doing it.

But we will. I've been spending a good deal of time in the past few weeks on a scheme to enlarge and augment our coverage of the institution and its alumni. The approach we come up with will -- I hope -- be better in every way than what we have done in the past, or what any alumni magazine has done.

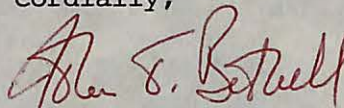
The appearance of this new section may be concurrent with other changes in the magazine, possibly taking effect at the end of this year. One of them might be a change in frequency -- say, to six issues a year. As one who has obviously given serious thought to the strengths and weaknesses of our magazine, how would you react to that change -- if it were accompanied by more depth, and more aggressive, imaginative reporting about the Harvard scene? It would be a great favor if you'd let me know. I'd also be interested in specific aspects of Harvard that you missed in recent issues.

A year and a half ago, you were good enough to alert us to a two-week Buz Sawyer sequence on the Fogg Coin Theft. Following your suggestion, we procured reproduction proofs from Buz's syndicate, but decided to hold them

to use as a sidebar with our coverage of the trial of the coin thieves.  
As far as I know, they have still not come to trial; but the proofs are at  
hand, and the opportunity to use them may yet arise.

Thanks again for your interest in Harvard Magazine -- past and present  
-- and my sincere apologies that it has failed to serve you well enough.  
In the future, I hope we will find a way to reclaim you as a reader.

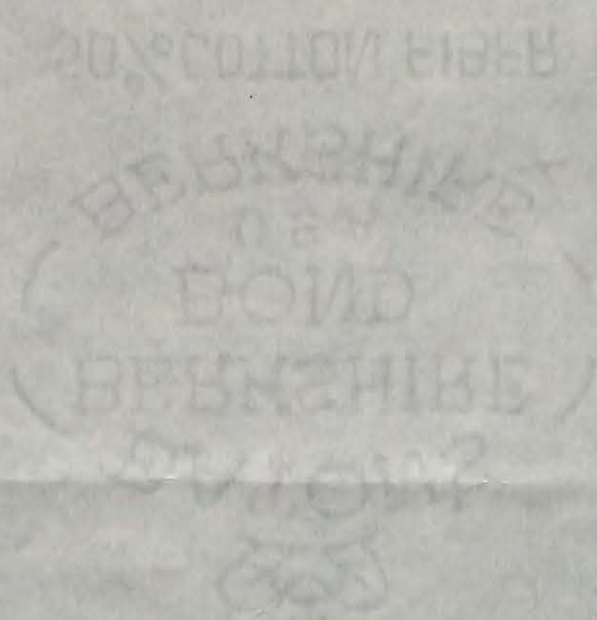
Cordially,



John T. Bethell  
Editor

July 19, 1976

cc: L. Appell



THE PENNSYLVANIA STATE UNIVERSITY

DEIKE BUILDING

UNIVERSITY PARK, PENNSYLVANIA 16802

College of Earth and Mineral Sciences  
Department of Geosciences  
Palynological Laboratories

August 9, 1976

Area Code 814  
865-6543  
865-2342

Mr. John T. Bethell  
Editor, HARVARD MAGAZINE  
Wadsworth House, Harvard  
Cambridge, MA 02138

Dear Mr. Bethell:

Thanks for your good letter of 19 July.

Regarding additional input from me -- I am more than willing to do whatever would be helpful, but I suspect I have already told you most of what would be of use and I certainly don't want to exaggerate the importance of one alumnus' opinion!

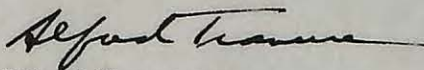
As I said before, HM is a fine magazine. It just doesn't scratch me where I itch. I want a frankly Harvard sheet that tells me as soon after the fact as possible the latest news of Harvard -- new programs, new buildings, sports news, activities of other alumni groups and other individual alumni. (HM has forced me to consult my HARVARD DIRECTORY to determine even whether X is a Harvard graduate!)

So -- your proposal of six issues a year wouldn't help much -- as far as timely news is concerned it would make the situation worse!

I believe the problem is that the various aims that you and others and I have probably are not possible of solution within one magazine. Is the answer perhaps to continue HM more or less as is (perhaps with a little more Harvard emphasis!) and initiate a frankly "house" organ for alumni? The latter would probably not be self-supporting but in terms of serving the university would be a good investment -- I think in terms of a ten-page bi-weekly with up-to-date news from Harvard (more of it could come from the CRIMSON, the GAZETTE and the GLOBE) and from alumni (via the alumni offices). Call it "The Harvard Alumni Newsletter" or something of the sort ("Veritas" -- Pravda?) A fallout advantage of this from your point of ~~view~~ is that it would allow HM to go on its way as an excellent general magazine, while supplying us with a sadly lacking strictly alumni journal.

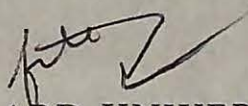
Thanks for listening.

Yours very truly,



Alfred Traverse  
Professor of Palynology

cc: Louis J. Appell

  
HARVARD UNIVERSITY  
THE GRADUATE SCHOOL OF ARTS AND SCIENCES

ADMISSIONS OFFICE



203 BYERLY HALL, 8 GARDEN STREET  
CAMBRIDGE, MASSACHUSETTS 02138

December 17, 1981

Alfred Traverse  
Professor of Palynology  
Department of Geosciences  
College of Earth & Mineral Sciences  
Pennsylvania State University  
University Park, PA 16802

Dear Professor Traverse:

I appreciate your letter of November 16 concerning our procedure of requesting students to procure their letters of recommendation and submit them to us along with their application and supplementary material.

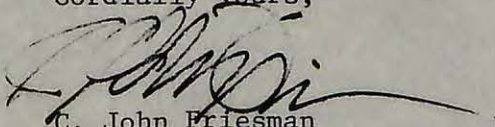
This procedure was instituted for several reasons. It meant that applicants would be submitting more complete applications to the Graduate School. This not only reduced by nearly 10,000 pieces the volume of mail arriving apart from the application form, but it ensured that the applicant knew the status of his or her application at the time it was mailed to us. Prior to the use of this system, our most frequent inquiry seemed to be about the receipt of letters of recommendation.

We realized that recommenders might be apprehensive about putting letters in the hands of their students. Accordingly, we polled the 44 departments of the Graduate School, and the majority indicated that they did not object to such a system.

It is a request, not a requirement, that applicants enclose letters of recommendation with the application form. We state in our application booklet that letters may be sent directly to the Admissions Office by the recommender.

I want to assure you that we are aware of the shortcomings of this system and that we will be reviewing its effectiveness at the close of the current admissions season. Letters like yours are kept on file and will be extremely helpful to us as we take another look at our application procedures.

Cordially yours,

  
C. John Friesman  
Director of Admissions

CJF:

100% COTTON  
file Harvard  
March 7, 1969

Dean of Harvard College  
Harvard University  
Cambridge, Massachusetts 02138

Dear Sir:

For some years I have served in a very minor capacity on the College's admission apparatus, as an alumnus interviewer and desultory recruiter. Recently I received a copy of the Harvard College Admission and Scholarship Newsletter which prompts me to ask you a question the answer to which is of interest to me not in connection with Harvard admissions but with general educational philosophy. I hope that you can either answer the question or refer it to someone who is willing to comment.

The Newsletter reports a number of recommendations of "the Rosovsky Committee" regarding the position of Harvard on black students and their special problems. One of the recommendations is for a center for Afro-American Studies and another is for a "social and cultural center for black students, similar to Hillel House...."

Could someone help me to understand why this is not divisive and contrary to the egalitarian ideals of Harvard College which so much appealed to me and made me glad I chose Harvard? There are other aspects of the list of recommendations which bother me as tending toward establishing a black elite (for example, five-year fellowships--are there other groups which get such preferred treatment?), but the separate student center seems particularly offensive. It might be noted that progressive people in the various religious denominations are of the opinion that places such as Canterbury Houses, Hillel Houses, etc., are divisive and should be phased out.

Does this sort of thing tend toward recreation of a "Gold Coast", the sort of segregated, elite ghetto which the house system was supposed to abolish?

Yours very truly,

(The Rev.) Alfred Traverse  
Associate Professor of Geology

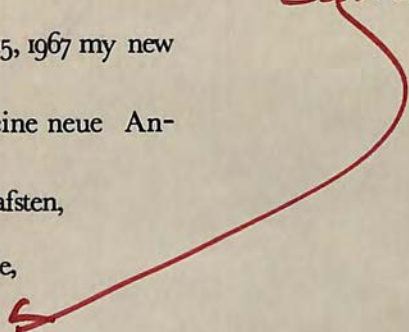
Vennligst bemerk at fra 15. juni 1967 er min nye adresse:

Please note that after June 15, 1967 my new address is:

Vom 15. Juni 1967 lautet meine neue Anschrift:

Professor dr. Ulf Hafsten,  
Botanisk institutt,  
Norges lærerhøgskole,  
TRONDHEIM,  
Norge

*Korrigering:  
change  
address  
card*



William Stewart Harwell, M. D.  
8718 Cedarspur  
Houston 24, Texas

Sunday

Dear Al,

Please forgive me for not answering your letter, and reimbursing you, sooner. I didn't intend to wait so long — just got tied up with everyday business.

I saw Carlos the other night, and he said you had a good day at your meeting following ours on Tuesday night. I'm glad you were able to accomplish two things on one trip. Let me express my appreciation to you again for your program. It was most interesting, unusual, and well presented. I had never seen anything along that line before. There were many favorable comments expressed to me by other members of the club, also!

Your expenses seem mighty slim, to me. Don't worry about our financial situation — we're able to meet our obligations so far. Our man was indicted by the grand jury, and it hit the papers with a splash! Perhaps there was

Something in the Austin press, too. He has been located (in Brazil!), and returned to Houston to face the charges, though I don't know how that will help us. Anyway, I'm enclosing a check for \$15.00, in case you missed some small item on your list.

My best regards to you and your family, and again, "thanks" for helping us out. Good luck in your endeavors in Austin. Come and see us again.

Sincerely,

Bill Harwell

10 August, 1962

Dr. William S. Harwell  
8718 Cedarspur  
Houston 24, Texas

Dear Dr. Harwell:

I was pleased to hear from you and to learn that everything is in order for my talk in November. I shall be looking forward to that as a nice break from the routine I shall by that time be in at the seminary.

Thanks for the copy of the yearbook. I have the greatest respect for the H. O. N. C. and only wish such organizations could have even more influence.

Yours very truly,

Alfred Traverse, Ph. D.

William Stewart Harwell, M. D.  
8718 Cedarspur  
Houston 24, Texas

August 7, 1962

Dr. Alfred Traverse  
Shell Development Company  
P. O. Box 481  
Houston 1, Texas

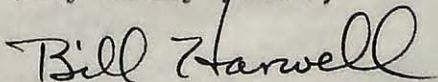
Dear Dr. Traverse,

Thank you for your cooperation in planning the programs for the coming year for the Houston Outdoor Nature Club. You are most generous to give your time and knowlege to us. In this letter, I will try to give you all the information you might need concerning your program.

As we discussed, I have scheduled your presentation for the November meeting. The date of the meeting will be November 13, 1962, and it will be held at the Garden Center at 8:00 PM. The Garden Center is at the north end of Hermann Park, and the address is 1500 Hermann Dr., although the entrance is from the park. The title of your program is listed as "Pollen of Common Gulf Coast Plants". Our programs generally run between thirty minutes and one hour, although there is no specific time given. There is a screen for slide projection at the Garden Center, and the club will furnish a projector if you like. As we also discussed, the club will be happy to provide expenses for your travel and lodging.

I have enclosed a 1961-62 yearbook for you, and plan to provide you with a current yearbook as soon as they are printed. If there are any questions about the program, please contact me by phone, or at the above address. If not, I will write to you again in Austin as the time for your program approaches. Again, thank you in advance for participating in our activities.

Very truly yours,



William S. Harwell, M. D.

28 November, 1983

Mr. Paul Hastings  
Soil Survey Division  
Department of Land Development  
Ministry of Agriculture & Cooperatives  
Bangkhen, Bangkok 9  
Thailand

Dear Paul:

Travspore Inc. has received an order to make xerox copies of CFSP, per our previous correspondence. However, there is a problem: I had, I thought, made clear that I am only willing to do this for the volumes not in print. Volumes still available should be ordered at the regular price from: CFSP, c/o Karen Kopenhaver, 517 Deike Building, etc. Two options exist: Option A (heavy card stock, unbound) and Option D (printed on regular paper and bound in looseleaf, heavy plastic binder--intended for shelf use). The following volumes are available from CFSP directly (originals, not xerox copies):

Option A: vols. 2-5, 7-12, 19-42. (#43 at printers)

Option D: vols. 3-4, 7, 27-42.

Travspore, Inc. does not wish to compete with the Catalog, but could supply xerox copies of vols: 1-2, 5-6, 8-26, at \$28 per volume, as previously indicated. If Chulalongkorn University wishes to order any of these, have them send a formal order to:

Travspore, Inc.  
R.D. 2, Box 390  
Huntingdon, PA 16652

Sorry to burden you with this technicality. The University should understand that xerox quality is not as good as original as far as the pictures are concerned, but would be adequate. Also, no binders would be supplied.

Yours very truly,

Alfred Traverse  
Professor of Palynology

AT/et

14 September, 1983

Mr. Paul Hastings, Geologist/Palynologist  
Soil Survey Division  
Department of Land Development  
Ministry of Agriculture & Cooperatives  
Bangkhen, Bangkok 9, Thailand

Dear Paul:

With reference to yours of 31 August, \$28/vol. would be o.k.  
Remember, the quality will not be as good as the printed volumes, but  
will be like my samples sent earlier.

So, if you want this done, order from:

Travspore, Inc.  
R.D. 2, Box 390  
Huntingdon, PA 16652, USA

Fortunately, there is no copyright, pre-Vol. 28, and I believe I  
can get around it anyway.

Yours very truly,

Alfred Traverse  
Professor of Palynology

AT/et



SOIL SURVEY DIVISION  
DEPARTMENT OF LAND DEVELOPMENT  
MINISTRY OF AGRICULTURE AND COOPERATIVES  
BANGKOK 10900 THAILAND

31 August, 1983

Dr. Alfred Traverse  
Palynological Laboratories  
Department of Geosciences  
College of Earth and Mineral Sciences  
Pennsylvania State University  
University Park, Pa, 16802  
U.S.A.

Dear Dr. Traverse,

Thanks for your prompt response to my letter of August 9. The people at Chulalongkorn University feel that the price is a bit high though. They suggest something on the order of \$ 25 per volume. What do you think of this? They also ask about shipping costs, packaging etc, etc, is it included in your estimates?


I will contact Dr. Spackman about purchasing the in-print volumes.

They do possess Jansonius' cards, I have passed along your suggestion for their use.

I will send along the lignite samples towards the end of September. Hopefully I can have some stratigraphy on it by then.

Anyhow thanks for your time. Give my regards to Mrs. Traverse. Take care,

Yours truly

  
Paul Hastings  
Geologist/Palynologist

P.S. I'm sending a copy of this to the people interested in purchasing the Xeroxs. They can afford up to \$30 total cost per volume, though \$28 would be best.

Whatever you think is best. Orientals assume the quoted price

18 August, 1983

Mr. Paul Hastings, Geologist/Palynologist  
Soil Survey Division  
Department of Land Development  
Ministry of Agriculture & Cooperatives  
Bangkhen, Bangkok 9, Thailand

Dear Paul:

Your interesting letter of 9 August digested.  $^{14}\text{C}$  dates sound good.

I enclose 3 sheets of xeroxed CFSP the way ours would be. We would charge 12¢/page, which would work out to about \$35.00 for the average volume. A graduate student would do the job, and I would pay him/her from the profit. However, you should purchase the volumes that are in print from CFSP. For one thing, the more recent volumes are copyrighted (my idea, when I was in charge). Do you have Jansonius' genus cards? Very valuable as an adjunct to CFSP.

Re samples: mark them "coal samples for scientific analysis" or "shale samples for scientific analysis". Avoid anything that even suggests "soil". I believe it will sail through (always has).

Best wishes.

Yours very truly,

Alfred Traverse  
Professor of Palynology

ATet  
enclosures



SOIL SURVEY DIVISION  
DEPARTMENT OF LAND DEVELOPMENT  
MINISTRY OF AGRICULTURE AND COOPERATIVES  
BANGKOK 10900 THAILAND

August 9, 1983

Dr. Alfred Traverse  
Palynological Laboratories  
Department of Geosciences  
College of Earth and Mineral Sciences  
Pennsylvania State University  
University Park, Pa 16802  
U.S.A.

Dear Dr. Traverse,

I'm sorry to hear about Mrs. Traverse's parents. This may sound funny, but caring for the old is a trait most noticeable here in Asia. I hope things turn out OK.

This may also sound funny, but as soon as I had mailed off my last letter to you, bad-mouthing the  $^{14}\text{C}$  guys here, than they release a veritable flood of dates. So many that I decided to compile a chronology of late Quaternary climatic changes here. So I should have 2 papers for a symposium in Oct. on 'Quaternary Geology and Geomorphology' here in Thailand. (If you're interested, when the proceedings are published, I'll palm a copy for you.)

The  $^{14}\text{C}$ -dates from Chantaburi, the laterization project, are 8,500 and 16,200 yrs BP. The first bears me out, that most of the transgression is recorded there. The second though is a bit sticky - It is from below a layer of lateritic sediment and is mangrove (tidal flat) in origin. The biggest geologic gun here, Dr. Prinya Nutalya, says that from 45,000 BP to 11,000 BP Thailand was subjected to a regression and the coastline was somewhere in the middle of the Gulf. Of course the date could be wrong but there is evidence from NE Thailand and New Guinea suggesting a transgression ending around 20,000-18,000 BP. I've decided to stay with this date. My colleagues say that Dr. Prinya will hang me come Oct. Oh well, it will be good experience for me.

With regards to the CFSP, could you possibly send along a Xeroxed sheet or two as samples? Also could you inflate your price by 25-30 % ? This will make the inevitable bargaining much easier (you can 'give' them a discount at no cost to your self and 'give' this professor some face for bargaining you down).



SOIL SURVEY DIVISION  
DEPARTMENT OF LAND DEVELOPMENT  
MINISTRY OF AGRICULTURE AND COOPERATIVES  
BANGKOK 10900 THAILAND

Finally, whats the best way to get the samples I mentioned to you? I don't know the USDA's policy toward, rocks. I do know soil must be sterilized. I thought you might have some experience with this. The geographic locations of the samples are no problem, but other than the crude, rushed stratigraphy I made when I collected them there is no stratagraphic data on this staff. It is possible that I could talk a prof professor friend of mine into assigning some students to it, though I'm not sure of this.

Anyways thanks for the help. I appreciate it. Take care.

Yours truly,

Paul Hastings  
Geologist/Palynologist

(Hastings)

7-VII-83

Dear Paul:

Betty is "on vacation" (actually, caring for her elderly parents), so I answer an unexcused. Thanks for yours of 13 June 83. Sends as if you continue to do well.

The Catalog of Fossil Spores & Pollen is not out of print in entirety - some volumes are. But, I have had nothing (0) to do with it since 1976! Write to CFSP, c/o Professor Spackman, 517 Jike, etc., for list of available volumes & price. Later, if it's of interest, I would make your outfit a <sup>good</sup> copy of the missing volumes for cost, plus labor of the student I hire.

Paul Hastings

- 2 -

83-7-7

The samples you offer would be  
most interesting for unknowns — the stratigraphic  
and geographic info you mentioned would be  
essential, in case something interesting were developed.

Best wishes to you, old friend

Yours very truly,

Alfred Trautner



SOIL SURVEY DIVISION  
DEPARTMENT OF LAND DEVELOPMENT  
MINISTRY OF AGRICULTURE AND COOPERATIVES  
BANGKOK 10900 THAILAND

June 13, 1983

Dr. Alfred Traverse  
Palynological Laboratories  
Department of Geosciences  
College of Earth and Mineral Sciences  
Pennsylvania State University  
University Park, Pa. 16802  
U.S.A.

Dear Dr. Traverse,

Thanks a lot for the reprint. I appreciate hearing about whats going on out 'there' once in a while. It's also nice to get an overview of things to help me keep things in perspective.

I've just returned from the field, along the coast of peninsular Thailand. Our purpose was to define the Pliocene - Holocene boundary and I think we did a reasonable job (55 sites, more than 20 <sup>14</sup>C and pollen sites!). This may take me another year to process, but should be worth the effort.

The pollen counts for the laterization project are finished. It appears to offer a pretty good record of the Holocene transgression - regression sequence. If we can get the <sup>14</sup>C dates back in time I hope to publish in Oct. of this year.

Yes, you are very right, I do need <sup>14</sup>C dates for my work to be credible. The trouble lies with the gov. office in charge of this, 'Office of Nuclear Energy for Peace'. These guys work like snails. I just now recieved the date for my work in Narathivat, almost one year later! (The date, by the way, was about 4200 yrs BP for the bottom of the core). I suppose I should be grateful to get anything back at all. Oh well.

I do have an ulterior motive for writing you other than to thank you and blow off some steam. Do you



SOIL SURVEY DIVISION  
DEPARTMENT OF LAND DEVELOPMENT  
MINISTRY OF AGRICULTURE AND COOPERATIVES  
BANGKOK 10900 THAILAND

remember a women Palynologist from Chiang Mai U. whose lab I appropriated, a Dr. Mali? I think I mentioned her once. Anyways, she has been transferred down here to Bangkok and has since been pestering me to pester you about obtaining a complete set of the fossil catalog. I believe that it is out of print but in order to keep her at bay I now ask about it. Is there anyway possible to obtain the set? They really need it here. They are also willing to pay. (A fairly rare thing in the Third World). If it is possible could you contact me about it? I'd appreciate it very much.

So how is life at Penn State? I remember it would be trout and baseball season now. That's two things I miss very much, along with snow. Well, take care.

Yours truly,

Paul Hastings  
Geologist/Palynologist

P.S. I've been given some early Tertiary lignite samples from Krabi province in SW, peninsular Thailand, and some preported Carboniferous organic shale samples from Chiang Mai. This is way out of my line now. I was wondering if you needed any unknowns for your students I could ship them (along w/ stratagrophic information) to you.

21 April, 1983

Mr. Paul Hastings, Geologist/Palynologist  
Soil Survey Division  
Department of Land Development  
Ministry of Agriculture & Cooperatives  
Bangkhen, Bangkok 9, Thailand

Dear Paul:

Many thanks for yours of 4 April. You sound more professional in every letter. Too bad about the trials and tribulations. One would think the Vietnamese would be content to catch their breath for a few years.

Do you have  $^{14}\text{C}$  dates for your bogs? Would certainly help. Sorry about your problem at Chiang Mai U.--I would like to have heard it, to offer suggestions. All goes well here. The only big worry is about support for my graduate students. That's always a big worry.

Best wishes.

Yours very truly,

Alfred Traverse  
Professor of Palynology

AT/et



SOIL SURVEY DIVISION  
DEPARTMENT OF LAND DEVELOPMENT  
MINISTRY OF AGRICULTURE AND COOPERATIVES  
BANGKOK 10900 THAILAND

April 4, 1983

Dr. Alfred Traverse  
Professor of Palynology  
Palynological Laboratories  
Department of Geosciences  
College of Earth Mineral Sciences  
Pennsylvania State University  
University Park, Pa, 16802  
U.S.A.

Dear Dr. Traverse,

I hope this letter finds you and finds you well and happy. I would imagine that you all had a very mild winter back there, no daring automobile adventures on the way to State College. It was good news to hear that Penn State finally made # 1. I suppose that PSU went a bit crazy !

As for myself I am reasonably happy. The political situation here though is a bit tense. The army tried to go back on its word to hold elections this year by amending the constitution. Fortunately it failed. Everyone here expects a coup. The Vietnamese have taken advantage of all this by attacking the Khmen refugees along the border. So far though no major intrusions into Thailand. On the bright side its a long way from Cambodia to Bangkok.

My work has had its ups and downs lately. I finished the paper of which I sent you a rough pollen diagram. It was presented at a meeting in Chiang Mai University (in the Northern part of the country). This meeting was essentially for hard rock and economic geologists so you can imagine its reception (it sounded like a sawmill). When it is finally printed I will send along a reprint. After that triumph the Forestry department's cooperation dried up, so no more help with the reference slides. When it was darkest though help came in the form of a large budget to buy references for my work. I am now purchasing slides of Thai pollen from the University of Hull, about 1000. Additionally the National Park division did an about-face and allowed me access to its parks. They have also provided some enumeration plots for major forest types at various altitudes ! So things can be roller coaster like here.



SOIL SURVEY DIVISION  
DEPARTMENT OF LAND DEVELOPMENT  
MINISTRY OF AGRICULTURE AND COOPERATIVES  
BANGKOK 10900 THAILAND

I have recently completed field work for two projects. One involves a mountain sphagnum bog (2500 m high) and another, sea-level changes and the environment of laterization (We were lucky enough to find a peat above (mangrove prob. Holocene) and below (not yet studied, age unknown) a layer of laterite. So I will be fairly busy this rainy season.

Well I hope this all hasn't been too tedious. I just wanted to keep in touch with you. Take care.

Yours truly,

Paul Hastings  
Geologist/Palynologist

7 October, 1982

Mr. Paul Hastings  
Geologist/Palynologist  
Soil Survey Div.  
Department of Land Development  
Ministry of Agriculture & Cooperatives  
Bangkhen, Bangkok 9, Thailand

Dear Paul:

What a pleasure to hear from you (yours of 22-IX)! You continue to amaze me. I never anticipated that you would turn out to be a professional palynologist.

It was interesting to hear about your reference collection problems, etc.

You seem to have acquired an impressive grasp of the pollen flora of your area. I found much of what you show very interesting--salinity tolerance, for example. (By the way, your diagram shows in several places "Panadus". Don't you mean "Pandanus"?) Also Davallia is misspelled, Rhizophoraceae, perhaps others--i.e., you need to clean up that part of your act. I recommend a copy of Willis: Flowering Plants and Ferns, a dictionary published by Cambridge Univ. Press (1966).

Your diagrams should show somewhere % of undetermined. Which reminds me that the scale for the lower diagram is confusing. From the shown scale I'd get >100%?

You need a few  $^{14}\text{C}$  dates badly. I am not sure that the data will support all of your conclusions, though they may. In addition to  $^{14}\text{C}$  dates, closer sampling would be helpful. The peat analysis (% mineral matter, etc.) will be interesting. (You could sell the stuff to gardeners around here like crazy!) Despite the criticisms, it's an interesting study. I wish I could be there with you for a while to advise!

Whatever do you mean "... gets stopped cold by their beauty?" Sounds like a difficult time....hmm

One of your stamps was botanical:: Desmos chinensis. Is it part of a botanical series? If so, could you acquire for me, and send, along with a bill? All the best.

Yours very truly,

AT/et

Alfred Traverse  
Professor of Palynology



SOIL SURVEY DIVISION  
DEPARTMENT OF LAND DEVELOPMENT  
MINISTRY OF AGRICULTURE AND COOPERATIVES  
BANGKOK 10900, THAILAND

*to as corresp. -  
prob only way  
to be able  
to find  
later*

September 22, 1982

Dr. A. Traverse  
Palynological Laboratories  
Department of Geosciences  
College of Earth and Mineral Sciences  
Pennsylvania State University  
University Park, Pa. 16802  
U.S.A.

Dear Dr. Traverse,

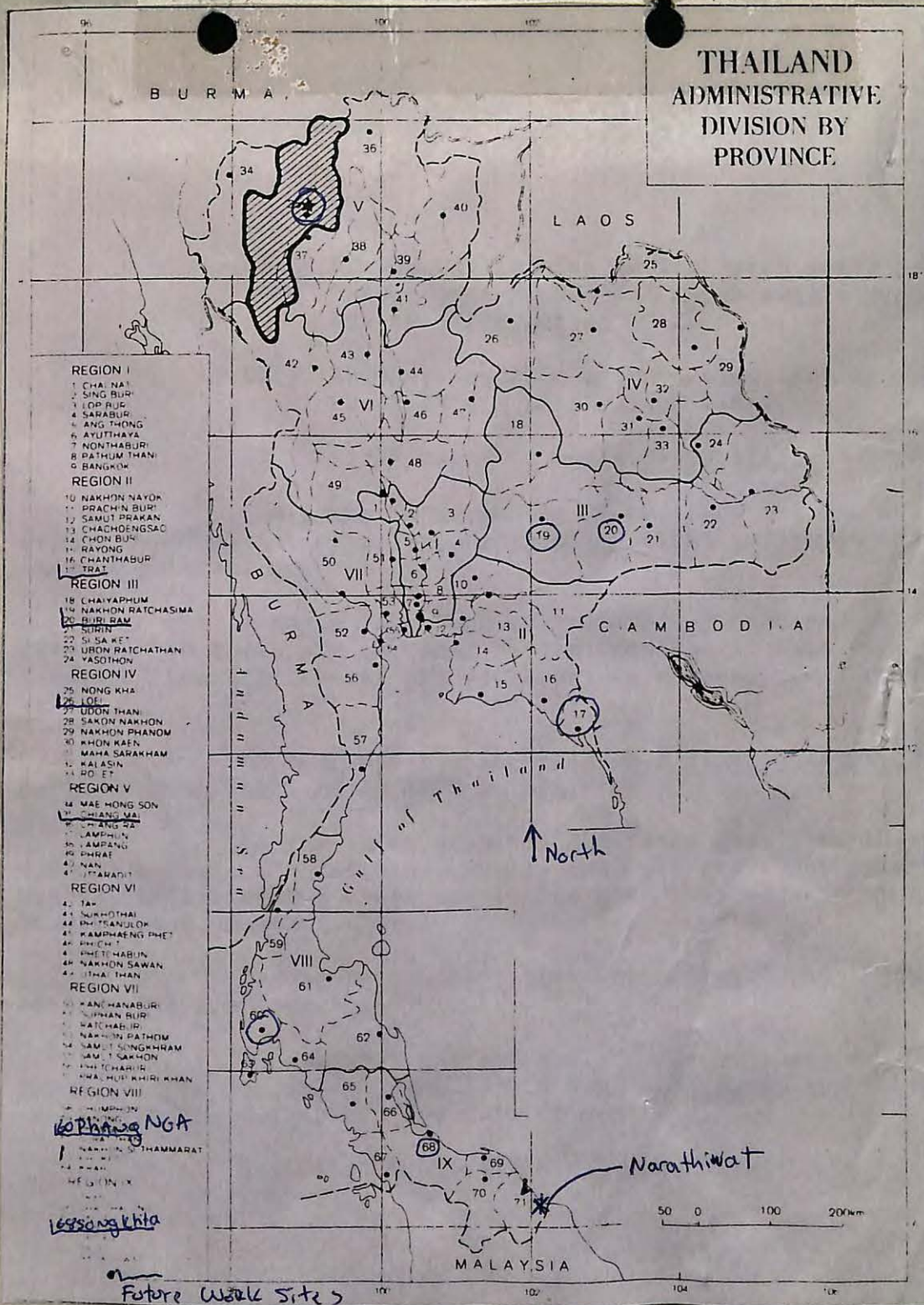
"The reports of my demise have been greatly exaggerated" is probably applicable to me, terribly sorry. The preliminary reports I promised in a month or so turned into 12 months or so. (Actually I did turn out a preliminary report 5 months ago but later more detailed, better referenced studies have ridden roughshod over it to point that the older report is sort of an embarrassment. It really discouraged me for a time.)

The main problem was the "reference collection" It turned out to contain Four genuses of Ebenaceae ! and nothing else. That was quite a blow ! So I had to start the damned thing from scratch, luckily the Royal Forestry Department here was sympathetic as well as helpful. (It is funny how the two things turn out to be so little connected.). I've yet to "finish" the collection (I suppose no collection is ever finished) but I thought it good enough to begin 'work' 2 months ago.

I decided to start all over with a systematic sampling program of the most likely pollen sites within all the major climatic and geographic regions of the country. It sounds ambitious but in real terms it boils down to 7-8 sites. Luckily these sites do cover the major regions of the country.

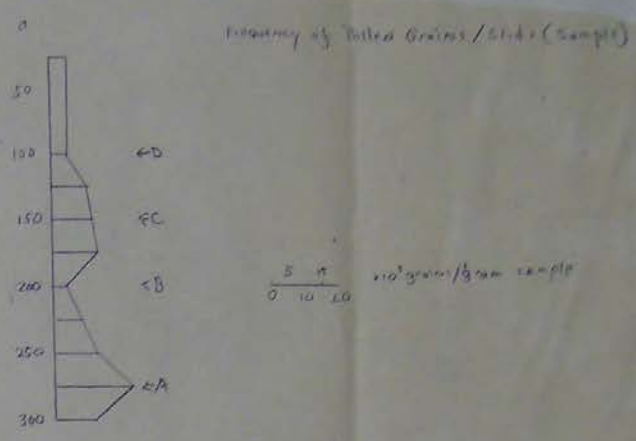
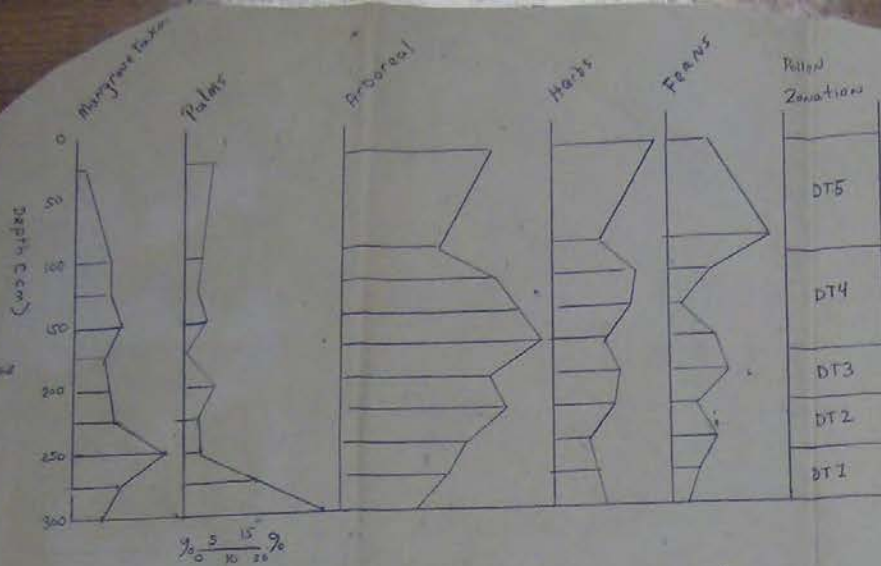
I've lately completed the count for a peat swamp in Narathiwat Province. (Enclosed pollen diagram. See also enclosed map) I guess the major points are :

- DT 1 Probably a herbaceous marsh with some tidal influence
- DT 2 Possible transgressive event. Beginning of the 'peat swamp forest'.



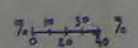
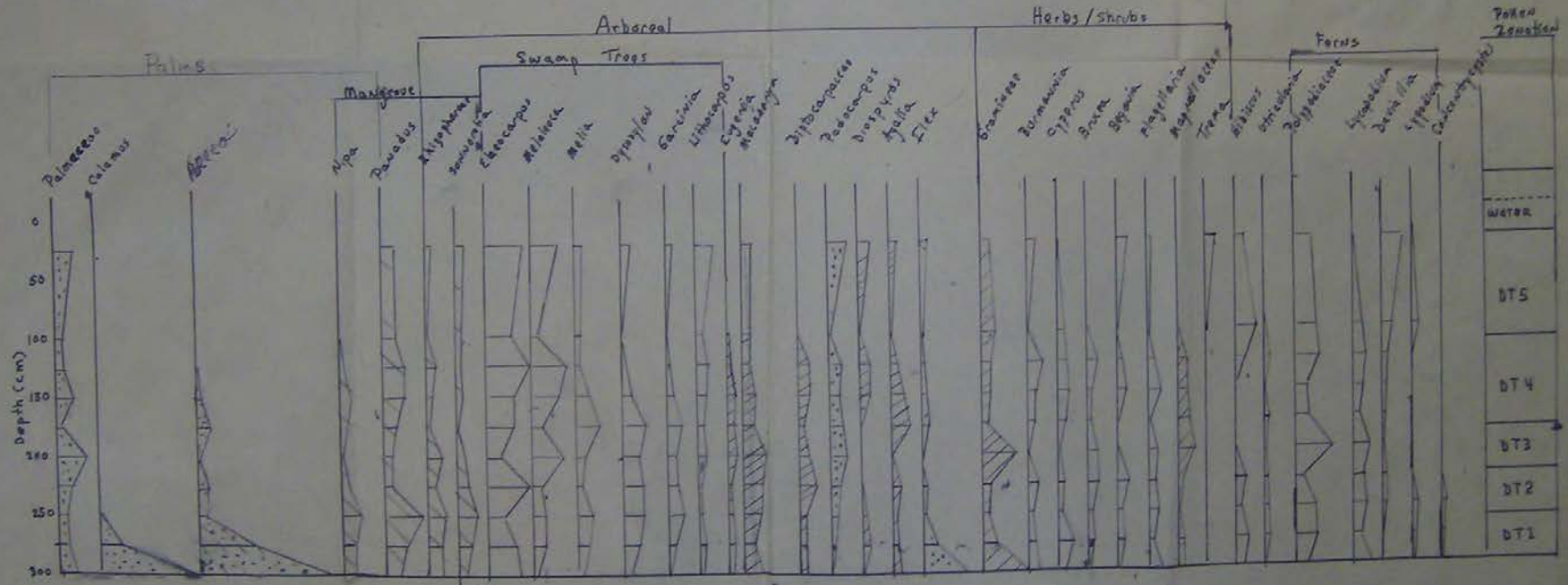
*Paul Hastings*  
Paul Hastings  
Geologist/Palynologist

P.S. My title was not my idea but my cute secretary's. Can't argue with a cute woman.



Pollen Diagram of The Major Plant Groups

Note: I have not yet gotten the micrology reports back (primarily particle size analysis) so no stratigraphy. Primarily though it was woody peat with little mineral matter.



■ Mangrove Taxa    □ Peat Swamp Taxa  
 ■ Intermediate Taxa    ■ Various Habitats (Swamp or/and Dry land) Taxa

Salinity Tolerant

0-1000	1000-2000	2000-3000	3000-4000	4000-5000
Very Low	Low	Medium	High	Very High

Rhizophora  
 Sonneratia  
 Nipa  
 Pandanus

Pollen diagram for Doe Dang Swamp  
 Pollen Sum Total Arboreal Pollen  
 by P. Hastings  
 11-1-82

7 March, 1981

Mr. Paul Hastings  
Soil Survey Division  
Department of Land Development  
Bangkhen, Bangkok 9, Thailand

Dear Paul:

Thanks for the nice letter of 3-III-81--took only 2-3 days to get here. (Letters from PSU take 7-21 days!). You have a great opportunity, all right.

I really enjoyed the photo of the Thai kids--it is posted. (Hope, however, you label your samples better! I mean, it had 0 (zero) label.)

All the best.

Yours very truly,

Alfred Traverse  
Visiting Professor

AT/et



SOIL SURVEY DIVISION  
DEPARTMENT OF LAND DEVELOPMENT

BANGKHEN, BANGKOK 9, THAILAND TELEPHONE, 5790111

Dr. A. Traverse  
ETH Zurich  
Geologisches Institut  
ETH-Zentrum  
CH-8092 Zurich

3-III-81

Dear Dr. Traverse:

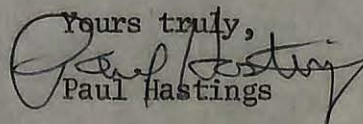
Let me first thank you for the addresses of Palynologists here in the "Far East". Your name must carry considerable weight in palynological circles because I am astonished with the rapidity with which my inquiries were answered. Dr. Huang and Dr. Martin replied within a week or two. Dr. Huang's work in the Taipei Basin 'soils' was especially valuable.

I agree that this project is going to be a long, tough process, but I've become very interested in it and barring any difficulties from Mr. Reagan, I should probably be here for four years or so.

The modern pollen rain and plant life has been studied and documented to some extent. A very good modern pollen collection is also available to me. But, the vegetation is changing so rapidly here I fear any modern pollen rain studies done now would be useless. The forests are going at an incredible rate and pioneer type vegetation is 'taking over'. (I've seen people up in the hills making charcoal out of TEAK trees).

I am processing my samples at Chiang Mai University in N. Thailand. The lab was provided by a woman, Dr. Mali, that was doing research in Dinoflagellates here. (She studied in England under a fellow whose name I can't recall but rings a bell when mentioned in conjunction with Dinos.) She is not at present doing any research (in general, Thai geologists are lethargic about studying fossils) so I have the run of her lab and research facilities.

Well, again let me thank you for your help and interest. I'll send a preliminary report along in a month or two.

Yours truly,  
  
Paul Hastings

P.S. Enclosed fine photo of 3 spectators to my field work last month in Chiang Rai. They were just amazed that a white man was crazy enough to drill holes in the ground to get dirt, when there was so much of it on top. Things like that really make my work more enjoyable.

18 January, 1981

Mr. Paul Hastings  
Soil Survey Division  
Department of Land Development  
Bangkhen, Bangkok 9  
Thailand

Dear Paul:

By odd coincidence, yours of 9 December, 1980, came to me in the same mail by which mine to you of last September was returned! I don't remember what I said in it, but you can find out, if you get this letter. (By the way, we'll be here about four more months.)

It is good to know that you're more or less settled and even beginning to "wheel and deal" a bit!

Hey, I didn't know there's Carnian-Norian in Thailand--did your Thai friend look for or at spores--you don't say what he did--by implication, at least, geology of some sort.

Well, re your Quaternary interests--that is a hell of a problem. I mean it is far easier to work in the Triassic! You would have to know the modern pollen rain, the vegetation, and have data on other local Quaternary studies. Of course, someone has to start, and the method would unquestionably work. I don't know of any Thai palynologists at all. The closest place where a lot has been done is Taiwan: (write Dr. T. C. Huang, Dept. of Botany, Taiwan National University, Taipei, Taiwan, for more information). Then, Japan (Dr. M. Tsukada, now at Quaternary Research Center, Univ. of Washington, Seattle, WA 98195; Dr. T. Kuroda, Department of Geology, Faculty of Science, Kyushu Univ., Fukuoka 812, Japan). You might also write Dr. N.T. Moar, Botany Division, Dept. Scientific and Industrial Research, Christchurch, New Zealand, whose work is very good and also started from scratch. Or write Dr. A.R.H. Martin, University of Sydney, Sydney, Australia. You may mention our relationship to any of these people. But the truth is that you would be chewing into a life's work! (I am currently giving lectures here on the very subject and its inherent difficulties!) It is not something that could be done quickly or in one's spare time--you need a good, thorough knowledge of the Thai flora, just as one example! Just trying to make you aware of what you're getting into!

Hastings, pg. 2

"Ettling" does ring some sort of bell for Betty and me, but that's all we can say. I am not correctly described as a "minister", by the way--I am a priest. Here in Switzerland, I function at the Old Catholic Church (in full Communion with Anglicans).

All the best to you.

Yours very truly,

Alfred Traverse  
Visiting Professor

AT/et

encl: old letter!



SOIL SURVEY DIVISION  
DEPARTMENT OF LAND DEVELOPMENT

BANGKHEN, BANGKOK 9, THAILAND TELEPHONE, 5790111

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

9-XII-80

Dear Dr. Traverse,

I hope you read this letter before it becomes too yellowed with age. You did not specify how long you and Mrs. Traverse would be in Switzerland( ah, the thought of all that snow makes me rather envious). But I have optimistically written in hopes that it was a short but happy stay.

Although you deemed your letter ridiculously short it was at the same time very welcome. It is very nice to hear from someone 'back home in the sciences' once in a while.

I hope that your time in the Southwest was well spent. I am still fascinated by the Triassic and was fortunate enough to have a Thai colleague who did his Master's Thesis in the Triassic (Carnian-Norian) of Northern Thailand so we have had some long discussions on this topic.

The last few months has seen me confined to my office learning the so-called 'ropes'. I have also spent some time circulating throughout the Universities in and around Bangkok where I learned of a rather interesting project that I am preparing to undertake.

By way of an introduction let me first say it stems from an almost complete lack of data concerning climate in Thailand's Quaternary. The Department I work for is supposedly interested in soil genesis yet they know very little about the past climate conditions affecting a soil's formation. This fact coupled with the amazingly large unoxidized clay deposits throughout the country led me to an obvious opportunity to apply Palynology.

I have suggested it to the lower 'working' echelons in the Division and they were enthusiastic but slightly hesitant because of their unfamiliarity with Palynology. After



SOIL SURVEY DIVISION  
DEPARTMENT OF LAND DEVELOPMENT

BANGKHEN, BANGKOK 9, THAILAND TELEPHONE, 5790111

clothing my proposal in the appropriate jargon I presented it to my boss. (Thais are notorious about being resistant to new ideas so I had to 'hide' my new ideas amongst the old). My boss has yet to turn me down so I will proceed with my project.

*you said it*

One problem facing me is the lack of background data. I was hoping you would be so kind as to suggest some papers or persons concerned with SE Asian Palynology. If I could further impose upon you, might I ask you to share some of your insights concerning my findings/ procedures?

I will be leaving this week to do some reconnaissance work in Northern Thailand near Chiang Rai in the 'Golden Triangle'. I should have some preliminary results in a month or so. If there is any way in which I could possibly help you or your grad students please feel free to ask.

I will be looking forward to hearing from you.

Thank You,

*Paul Hastings*  
Paul Hastings

P.S. A very dear friend of mine here, Ms Mary Ettlign late of Harvard, may have something in common with you. Her father is also an Episcopalian Minister from Houston. Perhaps you know a Dr. Ettlign ?

24 October, 1980

Mr. Paul Hastings  
U.S. Peace Corps  
42 Soi Sompasong 2  
Petchburi Road  
Bangkok, Thailand

Dear Paul:

Considering the nice long letter from you about Thai bathing facilities and other fascinating matters, this will be ridiculously short. I just got back from the field--approximately two weeks in the Triassic of the Southwest with Professor Sidney Ash and my graduate student, Ronald Litwin, whom I think you met last fall. He will be working in the Chinle mostly, and in fact gave a paper on it at the meetings in Denver. Betty and I are now getting ready to leave for Switzerland which we do in about three weeks. It's scary. I really can't see how I can leave so many untied ends. Your experience should yield at least a book. You will be a very interesting person for what you're doing, and I look forward to hearing about it in more detail in a couple of years. In the meantime, do your best and learn as much as you can.

Yours very truly,

Alfred Traverse  
Professor of Palynology

AT/et

Dear Don & Mrs. Traverce,

It was a pleasant surprise to get your letter of the 9<sup>th</sup>. You & Chris Brake/Cord are the only ones to drop me a line so far.

Right now the 1<sup>st</sup> phase of our training is winding down. This phase consisted of Basic Survival Thai (written & spoken) plus a crash course in Thai culture.

We received massive amounts of Thai culture through the means of moving the trainees in with Thai families.

It's a good way to improve your skill at handling people & awkward situations.

Having spoken with other PCV's who did not have a "homestay" as part of our training I think it's for the best even though it caused some tough times for both the families & ourselves.

The family I'm staying in is rather atypical as Thai families go. They have a TV, radio, stereo, motorbikes. Having spoken w/ other

trainees in a different (small village) moban w/out electricity it seems that way to me. We

have no running water so I must bathe

every morning, afternoon & evening in the same



WAT PHRA SI RATTANASATSADARAM



THE ROYAL BARGE SRI SUPHANAHONG

จดหมายอากาศ  
AEROGRAMME



DR. A. TRAVERSE  
PENN STATE UNIVERSITY  
PALYNOLOGICAL LABORATORIES  
435 DIECKE BLDG. U. PARK, Pa  
16802  
USA

← พับครั้งที่ 2 SECOND FOLD HERE →

ชื่อและตำบลที่อยู่ของผู้ฝาก SENDER'S NAME AND ADDRESS

P. HASTINGS US Peace Corps.  
42 Soi Somprasong 2  
Petchburi Road Bangkok  
Thailand.

ถ้าสอดสิ่งใดไว้ในซอง จะส่งจดหมายอากาศนี้ไปทางธรรมดา  
IF ANYTHING IS ENCLOSED THIS AIR LETTER WILL BE SENT BY SURFACE MAIL



← TO OPEN SLIT HERE →

← พับครั้งที่ 1 FIRST FOLD HERE →  
L.A.S. B. 1962.  
on a dyed-in-the-wood Geologist up over the  
great work when I continue my training that  
to line I'll find out the working conditions  
in all I would very thankful in a great place  
borders to regard to (Source only, right) all  
Bathroom. That leaves the river center of fine  
I suppose you've had to deal w/ the Ocean  
which flows about 200 miles from the source.

9 September, 1980

Mr. Paul Hastings  
U.S. Peace Corps  
42 Soy Somprasung 2  
Pethburi Road  
Bangkok 4, Thailand

Dear Paul:

Thanks so much for your recent letter. It finds us very busy, having just returned from the International Palynological Conference in Cambridge, England. I've also been on a short field trip with Norrie Robbins to Virginia and North Carolina, and plan a longer trip in October to the Southwest with a new graduate student, Ron Litwin. Both trips are part of our Triassic project, you'll be glad to hear.

I hope everything goes well with you. No time for an extended letter at the moment, Keep in touch.

Yours very truly,

Alfred Traverse  
Professor of Palynology

AT/et

12wSeptember, 1980

Mr. Paul Hastings  
42 Soi Somprasong 2  
Petchburi Road  
Bangkok 4, Thailand

Dear Paul:

How nice of you to write! You didn't date the letter, but I presume it was about 1 September. Your experiences in Thailand will stay with you the rest of your life! The "primitive conditions" amuse me--they're far better than those in the Eastern Canada into which I was born in 1925 (we had no electricity or running water--and it was cold). Too bad you can't collect and study the flora!--what an opportunity.

You don't mention what you do, and I'd like to know when you get a chance.

I leave for field work in the Southwest with Ron Litwin (grad student) in a few weeks--then to Switzerland for six months in November.

All the best from us both.

Yours very truly,

Alfred Traverse  
Professor of Palynology

AT/et

Dr. TRAJERSE,

Sept 70

Well we've landed in Thailand. Our groups of volunteers spent 4 days in Bangkok in order to get our immun for our 'tour-of-duty'. Bangkok is easily the noisest city on earth. Imagine a city full of buses, cars, trucks & motor bikes with out mufflers. Have you ever been there?

Today, the 24<sup>th</sup>, we moved up-country (on our own) to our 1st language & cultural training site, Speipuchan in Supomburi Prov., it is a small hamlet with electricity & some running water. Our quarters are in an old school, while our class room adjoins a Wat (temple).

The most striking thing about this country apart from the superficial things is the ~~friendly~~ friendliness of the people. As I mentioned we had to ~~travel to~~ <sup>travel to</sup> an site down our own stream. We all speak very little Thai, just some little



Dr. A. TRAVERSE  
432 DIEKE Building P. SU  
University, Park, Pa. 16801  
USA

← พับครั้งที่ ๒ SECOND FOLD HERE →

ชื่อและตำบลที่อยู่ของผู้ฝาก SENDER'S NAME AND ADDRESS

P. Hastings  
42 Soi Somprasong 2  
Petchburi Rd. Bangkok 4  
Thailand.

ถ้าสอดสิ่งใดไว้ในซอง จะส่งจดหมายอากาศนี้ไปทางธรรมดา  
IF ANYTHING IS ENCLOSED THIS AIR LETTER WILL BE SENT BY SURFACE MAIL

TO OPEN SLIT HERE

← พับครั้งที่ ๑ FIRST FOLD HERE →

I am sorry to get on the way of the  
people want out of the way to get in  
people money - But there good - healthy  
see you at least that's the general concern.  
My own expense involved the gungloof taxi  
driver leaving the fare to take me and a  
friend to the night bus station - we  
travelled about 60 km for 35 baht (\$1.25).  
Hope you & your family are well & take care.  
P. Hastings

ca 20 - Aug 80

DR. TRAVERSE,

Hi, how are you & your wife doing?  
I hope fine.

I'm writing to thank you for the  
RECOMMENDATION. Whatever you said did the  
'trick'. I'm in L.A. awaiting a flight to  
Hong Kong & then Bangkok. In Bangkok  
I'll get 10 WEEKS of LANGUAGE & cultural  
training. Although the work I'll be doing isn't  
EXACTLY what I want, Palynology, it should  
be exciting. I'll be working as a geologist  
with ~~the~~ a program the Agricultural Ministry  
is using to provide soil scientists w/ a  
bedrock map as an indication of what soil  
types to expect. I think I can handle it,  
how about you?

I hope we might exchange letters  
& I would really appreciate any advice you could  
give me.

As an aside I believe that I consumed most of the samples for the Taylorsville Basin as I'm not able to find them at home. I've written my roommates to see if I could have left them behind, but they haven't written back. If that's the case one of them will call on you with the samples.

Anyways, if you would like to write my address is as follows:

Paul Hastings  
U.S. Peace Corps  
42 Soi Somprasong 2  
Petchburi Road  
Bangkok 4  
Thailand.

Again, my thanks for the reference & the privilege of working for you.

Thanks,

Paul Hastings

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

21 September, 1993

Dr. Pat Hatcher, etc.

Dear Pat:

Thanks for letting me see the paper by my friends at Egham.

Actually, as I know very little of the nuts and bolts of NMR, I would have been critical of the paper for a far simpler reason than the ones you give! Reading this article is like going through a maze. The reader is given very little by way of signposts about where he is going and what he has seen along the way. The thing cries out for summary tables of results. Indeed, if I were trying to make some sense of the conclusions for my own use, construction of such would be my first approach. Table 1 is just a start. The NMR figures need much more interpretation in a table or tables if the authors want anybody in paleobotany/palynology to get much out of the paper. The authors could then refer readers to specific elements in the tables. At least one such table could replace the plate of useless pictures of the fossils studied, which are just window-dressing--totally functionless.

The practical experimental problem is the same old one--how to get a pure sample without partially destroying it in the process of collecting it! Schulze's solution is a very harsh procedure:  $KClO_3 + con. HNO_3!$

As far as your criticism of the NMR method used is concerned, I obviously can only take your word. It sounds right, based on my limited understanding of the subject. Perhaps you could stress more that it could be straightened out, even after the fact, to make it publishable--which I think you are saying. Maybe they could then also write a more cogent paper. The philosophy of the project seems to have been: let's collect a smear of palynomorph exines, clean them up as best we can, then NMR them, and hope that something interesting comes out. I was shown all of these data (data is a plural, ahem) when I was in Egham a year ago.

See you on the 27th.

Alfred Traverse

J. Patrick S. Spatcher  
Research Bldg. E  
PSU, U. Pk., PA 16802  
USA

Jo-<sup>v</sup>-<sup>v</sup>-<sup>v</sup> 92

Dear Pat,

Just had a couple of conferences with Chaloner's group in London. One of his people is a post-doc, Alan Humphrey, who, among many other things, has been working on *Sporopollen*. He has some very nice results - found a NMR of huge (at least 1,500 mg.) samples. I have read the proposals you sent along with me a number of times. I believe we can make a significant contribution, IF you can lick the instrumentation problem. If a way could be determined to get patterns from one spore (or, <sup>loads of</sup> equivalent size) I am confident we can add. If I have to prepare dozens to hundreds of specimens, the sample will be <sup>little or</sup> no better than what has already been studied.

Hope your flourishing - <sup>we</sup> I am <sup>upheld</sup> sure to have had a pile of patents! ~~you~~

see the next,

JP

THE PENNSYLVANIA STATE UNIVERSITY  
DEPARTMENT OF GEOSCIENCES  
PALYNOLOGICAL LABORATORIES  
435 Deike Building  
University Park, PA 16802  
phone: 814-863-3419  
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I N T E R O F F I C E C O R R E S P O N D E N C E

Date: 21 December, 1989

From: Alfred Traverse, 435 Deike Bldg.

To: Patrick G. Hatcher, 206 Academic Projects Bldg.

Have been sitting in my sister's LR in the St. Louis area,  
reading the great wad of fascinating reprints from you. I know a  
lot more about resin rodlets, coal ball organic matter,  
Foerstia, lignin, humic matter, etc. Thanks very much! See you  
soon.

AT/et

# Organic Geochemistry

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Florida Atlantic University  
Boca Raton, Florida 33431

December 5, 1989

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Department of Geosciences  
The Pennsylvania State University  
University Park, PA 16802

## Associate Editors

Dr Robert Alexander  
Curtin University of Technology  
GPO Box U 1987  
Perth 6001  
Western Australia  
Australia

Dear Al,

Enclosed is the manuscript I discussed with you over the phone, along with comment sheets for *Organic Geochemistry*. I would greatly appreciate your comments back to me by the first week of January.

Thank you for your time and attention in review of the paper.

Dr J. Connan  
Elf Aquitaine  
CST Jean Feger, L2 109  
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64018 Pau Cedex  
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phone: 814-863-3419  
fax: 814-865-3191

I N T E R O F F I C E C O R R E S P O N D E N C E

Date: 21 December, 1989

From: Alfred Traverse, 435 Deike Bldg.

To: Patrick G. Hatcher, 206 Academic Projects Bldg.

Re: Review of Bertrand paper

Here's my review of the Bertrand paper. It was interesting for a variety of reasons--palynologically, of course, but also because my family is from the Gaspé.

All the best.

AT/et  
encl: review

# Organic Geochemistry

## Manuscript Review

OG # 9N281

AUTHORS: R. Bertrand

TITLE: Correlations Among the Reflectances of Vitrinite, Chitinozoans, Graptolites and Scolecodonts

In providing your recommendations regarding this manuscript, please consider the following:

- Does this paper make a valuable contribution to the field of organic geochemistry? Are new data or ideas presented?
- Are the discussions, tables, and figures all pertinent to the study; are they sufficient, too lengthy, or confusing?
- Does the Abstract clearly state the results of the study and are the major points summarized at the end of the chapter?

Suggestions, corrections, and comments may be made in pencil on the manuscript itself. Please return completed form and manuscript by \_\_\_\_\_ to \_\_\_\_\_

LENGTH:  Adequate  Too Long  Too Short

Recommendations:

*in the sense that telonite, etc., as well as all the graptolite types must be defined - most readers won't know these and related matters*

TABLES & FIGURES:  Adequate  Too Many  Too Few

Recommendations:

*but a plate of the 300 clasts would help*

OVERALL EVALUATION:  Publish with minor changes  Publish elsewhere  
 Publish with major changes  Publish nowhere

DETAILED COMMENTS (Use additional pages as needed):

This paper at first strikes one as a "so-what" effort, but quickly one sees that pre-Devonian organic matter needs to be studied per se as to reflectance, etc. Thus, this "apples vs. pears vs. oranges" article is significant. I had two, related, objections: the author in my opinion must define for the general reader "telinite" (and the other maceral terms he used), and chitinozoan, scolecodont, graptolite. (Incidentally, it seems odd to include megafossils with microfossils, but at least the reader should clearly understand which is which. Also, I think a plate (by SEM!) illustrating at least chitinozoans and scolecodonts would be helpful, almost indispensable.

Do you wish to be identified as a reviewer?

Yes

AS  
Initial if Yes

No

*the more I  
don't object  
I don't seek  
identification)*

Signature \_\_\_\_\_ Date 21 Dec., 1989

November 18, 1971

Dr. S.H. Haughton  
Director of the Bernard Price Institute  
for Palaeontological Research  
Douglas Smit Building  
Showground Road  
Johannesburg, South Africa

Dear Prof. Haughton:

Thank you for yours of 11 November about the very interesting position in paleobotany at your institute. It is most flattering to be mentioned in connection with such a position, especially by Professor Barghoorn, but I must tell you that I am well established here and ~~am~~ not contemplating a move. I also think that Dr. Plumstead's successor should ~~be~~ presumably be a megafossil specialist, not a palynologist. There are a number of the younger American megafossil paleobotanists who might be interested and would definitely be qualified. The best way to get in touch with them would be to contact Dr. Thomas N. Taylor, Dept. of Biological Sciences, University of Illinois at Chicago Circle, Chicago, Illinois, 60680, USA. Tom will know better than anybody would who is available and available to move.

Thank you for writing me.

Yours very truly,

Alfred Traverse  
Professor of Geology & Biology

AT/vsi  
cc E.S. Barghoorn  
T.N. Taylor

22 March, 1967

Alfred-Bentz-Haus  
Hannover-Buchholz  
Postfach 54  
W. Germany

Dear Sirs:

I would like to purchase the "Synopsis der Gattungen der  
Sporae Dispersae" by Robert Potanie, all parts except  
Part III (=Heft 39--which I have).

If you can send me the parts of the Synopsis which I lack  
(not Teil III) and bill me, so much the better. Otherwise,  
let me know how much money I should send.

Yours very truly,

*Alfred Traverse*  
Alfred Traverse

October 22, 1975

Dr. A. J. Havinga  
Agriculture University  
Department of Science and Geology  
Wageningen, Netherlands

Dear Dr. Havinga:

Thank you so much for the copy of the "Problems in the interpretation of pollen diagrams of mineral soils" I have considerable interest in this subject and wish I had a chance to do some active research in it. In the meanwhile, it is very good to know that you are keeping up the good work!

Yours very truly,

Alfred Traverse  
Professor of Palynology

AT:jb

27 October, 1966

Dr. Ir. A. J. Havinga  
Department of Regional Soil Science  
Agricultural University  
Wageningen, Holland

Dear Dr. Havinga:

Much appreciated the literature reference, which I am in the process of borrowing to read.

Your letter will act as a stimulus for me to reopen the question of publication of my little study on the chemistry of sporopollenin.

As far as I am aware, preparation of samples of sporopollenin is still dependent on Zetsche's publications. However, I am of the opinion, based on our studies, that one can prepare samples by either KOH digestion or acetylation (Erdtman: "acetolysis") without affecting the gross properties of the substance. In other words, as far as your corrosion studies are concerned, I don't believe that the potassium that is added onto the structure by KOH digestion, or the sulfonation that occurs in acetylation, really makes much difference. Samples that I acetylated and treated with strong alkali were still the same as far as general properties are concerned as samples that I prepared by enzyme digestion of the contents of the pollen. I tried all sorts of chemical methods of attacking sporopollenin, and only oxidation seems to break down the structure promptly. I would guess that the organisms that can accomplish the trick along the lines that you showed in Utrecht do it by oxidation, probably enzymatically controlled.

Thank you again for your letter. I am so sorry that the hubbub of the meeting kept me from having a good talk with you. That is the trouble with large meetings. I always get more out of quiet visits to laboratories.

Yours very truly,

*Alfred Traverse*  
Alfred Traverse  
Associate Professor

22 September, 1966

Dr. A. J. Havinga  
Landbouwhogeschool  
Wageningen  
Netherlands

Dear Dr. Havinga:

I have a cryptic note to myself that resulted from your lecture on the destruction of pollen about a statement you made on the affect on susceptibility to corrosion the sporopollenin content of pollen has. According to my notes this came from a literature reference that you (sig?) quoted--was in Miknowska or Kwlatkowski & Lubliner? These figure in my notes. Could you send literature references? I have been working on the chemical composition of sporopollenin--mostly work I did while still with Shell. If they ever decide to release this for publication, I ought to quote the papers you mentioned.

Your paper was very interesting and beautifully illustrated.

Yours very truly,

*Alfred Traverse*

Alfred Traverse  
Associate Professor of Geology

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

19 November, 1992

Dr. D.L. Hawksworth  
International Mycological Institute  
Ferry Lane  
Kew, Surrey TW9 3AF, U.K.

Dear Dr. Hawksworth:

Recently I received from somebody "over there" three of your reprints--two from your 1991 book which I own and have read carefully, the other the very thorough review in Bot. J. Linn. Soc. 109: 543-567.

Earlier this year I had conferences in London with Bill Chaloner and Mike Boulter, and in Berlin with Werner Greuter, regarding the place of fossil plant names in the present ferment in botanical nomenclature.

I have long felt that the incessant alteration in ICBN is not working, and have frequently preached that something must be done to achieve a more rational system. Frankly I used to think, that a botanical commission to make rulings on various issues would be the way to go. I now agree that some sort of system of protected names is more likely to work. I hope that when this eventually comes to pass that very careful attention will be paid to provisions for emending the lists, as my long experience with cataloging names of fossil palynomorphs convinces me that sizable numbers of errors are made! As far as fossil plant names are concerned, I believe we should move deliberately, adopting short lists that we're sure of.

The microscopic size, fragility and perishability of fossil palynomorphs have all contributed to the situation, that a very tiny percentage (10%?) of the (5000?) generic names are actually typified by specimens. I would advocate accepting illustrations as types. Palynologists have a gut reaction against it, even though they admit in the same breath that nobody will ever produce 4500 neotype/lectotype preparations!

Thank you for reading.

Yours very truly,

Alfred Traverse  
Professor of Palynology

c: W.G. Chaloner



13 November 1998

Dear Dr. Traverso -

I am sorry that I have not been in touch sooner - Thank you again for meeting with me and discussing my project.

I enclose several things which may be of interest. First is a research proposal that I submitted to the Heinz Foundation that describes the work I want to do this summer - Second is an article on the pollen found in archaeological fields very near to my study area. Third are articles or book chapters from my previous work on craft production. -

I look forward to seeing you again -

Frances Hayashida  
fmh5@psu.edu  
805-2937



ROY B. OAKES,  
Controller

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**HOUSTON**  
LEWIS CUTRER, MAYOR

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W. H. JONES

May 20, 1960

Mr. Alfred Traverse  
P. O. Box 481  
Houston 1, Texas

Dear Mr. Traverse:

This will acknowledge your letter of a few days ago regarding your views about conserving portions of Memorial Park and permitting these areas to be left in a natural state.

I sincerely agree with your views, and our intention is to do just this. We have on occasions cleared some of the underbrush just adjacent to the Park Roads and Bridle Paths, but we certainly do not propose to clear any large areas between Memorial Drive and the Bayou.

In fact, in the near future, we hope to provide some paths through this beautiful area and place identification tags on native trees and shrubs and to develop an Arboretum and Botanical Garden as soon as plans are completed and funds provided for this purpose.

We very much appreciate your interest in this matter and your recent letter.

Yours very truly,

Gus H. Haycock, Director  
Parks & Recreation Department

GHH:dc



HOUSE OF REPRESENTATIVES  
COMMONWEALTH OF PENNSYLVANIA  
HARRISBURG

THE MAJORITY WHIP

December 7, 1979

The Reverend Alfred Traverse  
Saint John's Episcopal Church  
212 Penn Street  
Huntingdon, Pennsylvania 16652

Dear Reverend Traverse:

Thank you kindly for your most recent letter concerning the pamphlets which are published by the Bureau of Topographic and Geologic Survey.

Synclines, the Ridge and Valley Province, dolomite, dip and strike . . . . . we share a common vocabulary and I agree with you that there should be a more satisfactory way for Dr. Socolow to print the excellent publications which are offered by his office. I have asked his office to advise me as to whether we could achieve this goal.

It was thought you would appreciate a copy of the enclosed booklet (Geologic Hazards in Pennsylvania).

I hope you are enjoying a nice holiday season.

With warm personal regards, I remain

Sincerely,

SAMUEL E. HAYES, JR.

SEH/pr  
Enclosure

July 24, 1970

Professor George H. Hayfield  
Division of Natural Sciences  
Lock Haven State College  
Lock Haven, Pennsylvania 17745

Dear George:

It has taken me entirely too long to answer your nice letter of 26 June regarding the position in geology at Lock Haven. I have discussed the situation with our chairman, Professor Lauren Wright and have turned over to him a copy of your letter. Off-hand, we cannot think of anybody who would combine qualification and interest for the position. However, we are both thinking about it, and if someone comes up who would be a candidate, we will let you know.

I also enjoyed meeting you and hope that you might find it possible to visit us in State College one of these months.

Yours very truly,

Alfred Traverse  
Professor of Geology and Biology

AT/mrw  
cc: Lauren Wright



# LOCK HAVEN STATE COLLEGE

LOCK HAVEN, PENNSYLVANIA 17745

June 26, 1970

Dr. Alfred Traverse  
Department of Geology  
The Pennsylvania State University  
University Park, Pennsylvania 16802

Dear Dr. Traverse,

A few details regarding the teaching position in geology open here. The job is for one year with only a slight chance of it becoming permanent. Teaching load is 11 - 12 semester hours. Courses to be taught during the year include Physical Geology, Historical Geology, Invertebrate Paleontology and Earth Science (a survey of the four earth sciences). We do not usually have Saturday classes. Possibly, adjustments in schedule could be made to make a three-day week or all morning classes. Salary is governed by the state college schedule; minimum for an Instructor is \$7250, for an Assistant Professor \$8820. Generally a person comes in a few steps above the minimum (5% per step).

If any graduate student at State is interested in this position we would certainly be happy to talk with him. Ask him to get in touch with Dr. David C. Ulmer, Director Division of Natural Sciences.

Enjoyed talking with you at Lancaster. Hope to see you again.

Best,

*George H. Hayfield*  
George H. Hayfield  
Asst. Professor, Geology

GHH:ds