



Hunt Institute for Botanical Documentation  
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#### *About the Institute*

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

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



THE CARNEGIE  
MUSEUM OF  
NATURAL HISTORY

James E. King  
Director

22 September 1994

September 29, 1994  
Department of Geoscience  
Palynological Laboratories  
435 Deike Drive  
University Park, PA 16802

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

Dear Dr. Traverse: *al*

It gives me great pleasure to inform you of your reappointment as a Research Associate in the Section of Paleobotany at The Carnegie Museum of Natural History. Your continued involvement with the programs of the section and your interest in the museum are greatly appreciated. The status as a Research Associate is our way of recognizing your contributions.

This reappointment is for a period of three years just as the original appointment was also. The position as you know carries no compensation.

I am delighted to again welcome you to The Carnegie Museum of Natural History, and I extend my best wishes for a continued productive association.

Sincerely,

*James E. King*  
James E. King  
Director

JEK/eem

cc: Mary Dawson

4400 Forbes Avenue  
Pittsburgh, PA 15213-4080  
412-622-3280  
Fax 412-622-8837





THE CARNEGIE  
MUSEUM OF  
NATURAL HISTORY

James E. King  
Director

22 September 1994

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

Dear Al:

If you wish to place your library and related materials with the Field Museum that is fine with me. They are a large institution and perhaps more conveniently located than Pittsburgh. Our offer of space here at Carnegie remains open, but I am not possessive about your materials.

Cathy's departure has left a void in our program. Her position was a joint appointment with the University of Pittsburgh and we have been unable to agree with them on a suitable replacement. Pitt's needs and desires are quite different from ours.

Hope your summer has been good. Please give my regards to Betty.

With best wishes,

  
James E. King

cc: Mary Dawson



al,  
Thank,  
11 September, 1994

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  
11 September, 1994

Dr. James E. King  
Director, Carnegie Museum of Natural History  
4400 Forbes Ave.  
Pittsburgh, PA 15213

Dear Jim:

I thought I'd better let you know for the record that after a visit to the Field Museum in early summer, and a subsequent conference here with Peter Crane, I've decided to have our attorney prepare a codicil to our will, in which I change the directive about the deposition of my palynological/paleobotanical library, samples, residues, data and slide collections, etc., from the Carnegie to the Field Museum. The stimulus for the switch is my perception that the Field is and will be in a position for various reasons to make better use of the collection.

Betty and I both hope that this decision will not be interpreted as disaffection for the Carnegie or you personally. Indeed, we both still have very warm feelings for the Museum in Pittsburgh and the King family. I think, however, as a purely scientific decision, this one is right.

With best personal regards,

Yours very truly,

Alfred Traverse

c:Dr. Peter Crane;Attorney Scot Gill

James E. King, Director

Al,  
Thanks for the info on  
the Englander Funder. I clearly  
need to get one..

Hope all is well . . .

James E. King  
3/16/94



THE CARNEGIE  
Museum of Natural History

4400 Forbes Avenue  
Pittsburgh, PA 15213-4080  
412-622-3241



24 Dec. 92

James E. King, Director

Al,

I delivered the boxes of books to  
Mary Dawson, Head of Earth Sciences, she  
was very pleased.

Fran + I want to thank you  
and Betty for the delightful visit  
and hosting us in your home.  
We had a great time. Thanks.

Jim  
12-23-92



THE CARNEGIE  
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4400 Forbes Avenue  
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412-622-3241

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UNIVERSITY PARK, PA 16802  
Phone: (814)863-3419; Fax: 814-863-7823

21 December, 1992

Dr. James E. King  
Director, Carnegie Museum of Natural History  
Pittsburgh, PA 15213

Dear Jim:

Good fun to have you and Fran as guests for a day. As far as my future and that of the Traverse collections is concerned, it helped only in making me realize that during my lifetime it won't be practical for me to work on palynology at the Museum. Another reason not to retire.

Regarding glycerin jelly as a way to store pollen residues and make slides, there was one aspect that I believe I didn't make clear. My students and I achieve the mobility that you mention for (ugh) silicone oil by using an ultra small electronic soldering iron in which a small finishing nail replaces the terminal element. If this is applied to the vicinity of a desired specimen, the g. j. liquefies, and the specimen is as mobile as could be desired. However, the jelly sets up again fairly soon, and locations on the slide are not disturbed.

All the best.

Yours very truly,

Alfred Traverse



THE CARNEGIE  
MUSEUM OF  
NATURAL HISTORY

THE PENNSYLVANIA STATE UNIVERSITY  
DEPARTMENT OF GEOLOGY  
PUNYON HALL, UNIVERSITY  
400 HUNTSVILLE  
UNIVERSITY PARK, PA 16802  
PHONE: (717) 863-1271 FAX: (717) 863-1282

James E. King  
Director

August 3, 1992

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

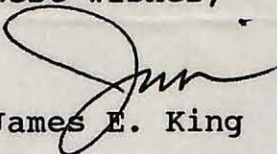
Dear Al:

It is good to hear from you again. I am glad your stay in Germany was good.

Between our combined schedules we seem to have a hard time getting together. This summer is a real disaster for me. I have a number of major trips scheduled and with our trying to get to our cottage in Michigan, there really is little time left before September. Fran and I just returned from 9 days in Japan last week, where we opened a new dinosaur exhibit there, and next Friday I leave for a week in Hawaii and the AIBS meetings. Following that, I have a political trip scheduled to Washington and then its Labor Day and a week at our cottage (we hope).

For now lets leave it open, perhaps something will work out. I'll keep in touch.

Best wishes,

  
James E. King



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8 July, 1992

Dr. James E. King, Director  
Carnegie Museum of Natural History  
4400 Forbes Ave.  
Pittsburgh, PA 15213

Dear Jim:

Just back from the 6-month stint at Senckenberg Museum, Frankfurt  
am Main. It was a great experience.

I write to suggest again that you should visit here to take in  
the scope of library and collections Carnegie will get from AT.  
I know that you prefer a fall appointment, but because of my  
combination of family obligations (e.g., our place in the  
Adirondacks) and university work (e.g., Fall Semester palynology  
course), Summer would be far better for me.

Regards to Fran.

Yours very truly,

Alfred Traverse

AT/et

Al

Get your note today re:

"Troubles in the Adirondacks".

I fully understand - we still  
look forward to getting together  
and will do so when you return  
Next Fall (1992).

We'll Keep in Touch.

Jim  
8/28/91

from the desk of

**JAMES E. KING**



THE CARNEGIE  
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THE PENNSYLVANIA STATE UNIVERSITY  
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26 August, 1991

Dr. James E. King, Director  
Carnegie Museum of Natural History  
4400 Forbes Ave.  
Pittsburgh, PA 15213

Dear Jim:

Woe! We just had an emergency call from the property manager of our place in the Adirondacks, the substance of which requires our presence up there the weekend of 4-6 October. When I wrote you on 19 August, I thought that we could take care of this business some other weekend, but we now find that there is no other available weekend there this Fall. In the meantime, the other times you mentioned have filled up.

So, I guess we're shot down on the long-awaited King visit until after we return from Germany next Summer. I hope we can talk you and Fran into taking your raincheck up at that time! Term-time is always hectic here, but in 1992 there at least won't be any international trips in the immediate future, and there should be a bit more leeway.

We're very sorry to have to withdraw our invitation!

Yours very truly,

Alfred Traverse

AT/et



THE CARNEGIE  
MUSEUM OF  
NATURAL HISTORY

James E. King  
Director

August 23, 1991

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

Dear Al:

Your on, October 5-6 is it. Fran and I will be at your home by noon on Saturday the 5th and depart Sunday afternoon at some appropriate time. The Picnic to Greenwood Furnace sounds like fun.

We are going to our cottage in Michigan for the first week of September, but other than that we'll be in Pittsburgh most of the time. Some weekends we do go to Powdermill Nature Reserve, the Museum's biological field station in the Laurel Highlands 1.5 hours SE of town. There is a "directors" cabin on the place which is a nice fringe benefit.

Hope the rest of your summer goes well.

Best wishes,

  
James E. King  
Director

jek/vmf



THE PENNSYLVANIA STATE UNIVERSITY  
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19 August, 1991

Dr. James E. King  
Director  
Carnegie Museum of Natural History  
4400 Forbes Ave.  
Pittsburgh, PA 15213

Dear Jim:

Thanks for the encouraging letter of 7 Aug. 91. It's handy to have the most important journals in the lab, but at least they should be in the library! I have a complete run of Pollen & Spores back to the beginning, but I had to give it up a couple of years ago when it went to \$250 a year. Eventually you all will get all of the journals, of course. To take one small example, I have a complete run of Palynology and its forerunner, Geoscience and Man, but I consult it constantly, so that stays here until retirement. I just discovered that our usually magnificent library downstairs does not have a complete run of Grana, only a broken run. So, I'll also be hanging on to that also for the time being.

Perhaps when you come to visit your car can take the rather substantial pile of journals back to Pittsburgh? That would save both having to box them and postage. Incidentally, I suppose it would be helpful to our finances in a small way if I could have a formal letter from Carnegie acknowledging them, and I'll get a small deduction from taxable income.

Now for the most important part--selecting a date for your long-awaited visit. The Fall looks more and more hectic. I must have one weekend to go to the Adirondacks about our place there, especially as we will be in Europe next Spring. I have had an exciting invitation to lecture at Harvard in mid-October, and I am anxious that after 40 years I'll return in a manner not to embarrass myself! Then, there will be the two-week junket to India to get the Indian international medal in November, just a few weeks before we depart for Germany. Meanwhile, my palynology course cranks up for the 26th straight year. Etc. Betty and I have just put our heads together, taken home football weekends into consideration, etc., and we propose the weekend of Oct. 5-6. We have two guestrooms, so we invite you to come as soon as you like and stay as long as you like. From your letter I would assume that you mean you'll come on Saturday and return on

Sunday. It's about a four hour drive from your house to ours. Get onto US22 west. Stay on it all the way to Huntingdon. At Huntingdon pick up PA 26 north (toward State College). Carefully check your odometer when you get into the town of Huntingdon. At the courthouse you are almost exactly 7.0 mi. from our house. Proceed north on 26. Our house is on the left, Box 390, labelled with our name in big letters. If you reach the village of Donation, you have overshot. We are 1.3 mi. south of the Groves' General Store. Assuming that you can't come until Sat., you will arrive about noon. We'll have lunch at our place, then head to State College, spend the afternoon on campus, inspect my collections, etc., and have dinner at the Tavern, an interesting and typical State College eatery. Then back to "alphabet" for the night. Sunday we can play by ear. Perhaps we can talk you into a picnic lunch at Greenwood Furnace before you start home. It's a fun spot and even has archeological interest for Fran!

All the best.

Yours very truly,

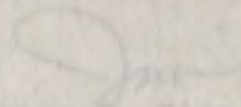
Alfred Traverse

Your offer of journals and library materials are most generous. The library already gets the American Journal of Botany and the Journal of Taxon. We have AJB back to 1914 and our run of Taxon starts in 1931. We would be happy to have the other journals in our museum library. Reprints, slide boxes, and etc. will be housed in the Paleobotany Section.

It's probably best that we discuss all of this during our weekend visit, and I can get an idea of the volume of materials we are talking about.

Hope all is well with you! This summer has been busy, but Frances and I did manage to escape for a few weeks in early July.

With best wishes,

  
James V. King  
Director

Jan, 1952



THE CARNEGIE  
MUSEUM OF  
NATURAL HISTORY

James E. King  
Director

August 7, 1991

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

Dear Al:

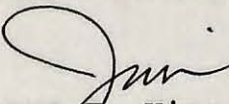
Frances and I are still planning to come up and spend a weekend with you sometime this fall and pursue the ideas you have outlined in your recent letters. The weekends that would be fine with us are Sept. 21-22, Sept. 28-9, Oct 5-6, or Oct 12-13. Let me know which one is fine with you, and we will get it on the calendar.

Your offer of journals and library materials are most generous. The library already gets the American Journal of Botany and the journal Taxon. We have AJB back to 1914 and our run of Taxon starts in 1951. We would be happy to have the other journals in our museum library. Reprints, slide boxes, and etc. will be housed in the Paleobotany Section.

It's probably best that we discuss all of this during our weekend visit, and I can get an idea of the volume of materials we are talking about.

Hope all is well with you; this summer has been busy, but Frances and I did manage to escape for a few weeks in early July.

With best wishes,

  
James E. King  
Director

jek/vmf

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

10 July, 1991

Dr. James E. King, Director,  
Carnegie Museum of Natural History  
4400 Forbes Ave.  
Pittsburgh, PA 15213

Dear Jim:

Could you have somebody check to see if the Carnegie library gets:

1. American Journal of Botany (Bot. Soc. Amer.)✓
2. Palaeontology (UK pub.)✓
3. Micropaleontology (Amer. Mus. Nat. Hist.)✓
4. Taxon (IAPT)✓
5. Pollen et Spores (French)✓
6. Paleobotanist (Indian)✓
7. Grana (Swedish) *incomplete*

I have complete runs or long unbroken runs of these, but lack space for them and hundreds of slide boxes and reprint boxes. The latter are irreplaceable, but our library has the journals. Ideally these should be available in a paleobot-palynology lab, if there's space, to avoid constant trips to the library. The main library at Carnegie may already have these journals, but if the paleobotanical-palynological lab has space for a working reference library, I would like to give these journals to C. for that purpose or for any use the C. might be interested in. If you don't want these, I will dispose of them some other way, but I wanted to give you first option.

Best.

Yours very truly,

Alfred Traverse

AT/et

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17 June, 1991

Dr. James E. King, Director  
Carnegie Museum of Natural History  
4400 Forbes Ave.  
Pittsburgh, PA 15213

Dear Jim:


Your interesting letter of 10 June came the next day. I was reminded of you also by K.C. Kim's recent, very thorough circular letter to the PSU Systematics Collections committee re the recent Systematics Collections national meeting. Your name appeared therein.

The main reason I'd like you to follow through re visiting here is to show you and discuss with you the magnitude of my palynological-paleobotanical collections. As you know, they are all slated to go to the Carnegie unless--a very long shot--the Science Museum project at PSU startles everybody by actually happening. (Even if it does, the latest plan for it includes very little for paleo, and probably therefore will be irrelevant.)

When I get back from the Senckenberg, say September, 1992, I'd like to discuss with you further various options I might have. However, if, as you hint, you might get up this way this Fall, I would think some ideas could be batted around in very non-committal fashion.

All the best.

Yours very truly,

  
Alfred Traverse

AT/et



THE CARNEGIE  
MUSEUM OF  
NATURAL HISTORY

James E. King  
Director

June 10, 1991

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

Dear Al:

Nice to hear from you again. Kris Krishtalka was trying to stir up some action from our research associates, and it looks like he did. Sounds like you are active and busy.

Yes, Fran and I did threaten to visit you and we will yet. Perhaps early this fall after the summer madness ends. Summer has always struck me as one great head-long rush toward fall, a delightfully unstructured period of time that just sort of happens, kind of a non-season. It always goes by too fast and making plans during it seem difficult as everybody else's schedules are also a mess. About the only thing we plan is several trips at our cottage in Michigan.

AASP did inform me about the selection of CMNH as the repository for the type collection. Judith Lentin called me with the news, and I helped her write the notice for the newsletter. I also received a letter from Barbara Whitney, AASP President, the other day asking my advice on how to set the program up. I will copy you with my response to her. So far we have not gotten any inquiries yet, but they will probably start before long. Now that Cathy has left the museum, I will curate the collection myself within the Section of Paleobotany.

Cathy's position is still open here, the University of Pittsburgh has frozen their half of the joint appointment, and I do not see it breaking open any time soon. Pitt Geology really wants a Cathy clone, but I am not sure that is what we want at the museum. For the moment the section is being looked after by Cathy's assistant (who has a Ph.D. in physical anthropology! but loves fossil plants) so the curation continues. This next year I will be hiring an anthropologist half-time using "Cathy's money" just to keep

Dr. Alfred Traverse  
Page 2  
June 10, 1991


from loosing it. The person is the wife of one of our  
VP curators which makes it convenient.

I do hope at some point down the line we can get you  
more involved in the museum. My offer of some type of  
appointment still stands. So yes do keep in touch.

Your semester in Germany sounds great. Now that the Gulf  
War is over, Frankfurt should be back to normal. I passed  
through there on my way home from Kenya in January after  
the war started and the place was an armed camp.

Our best to you and Betty.

With best wishes,

  
James E. King  
Director

jek/vmf

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

4 June, 1991

Dr. James E. King, Director  
Carnegie Museum of Natural History  
4400 Forbes Ave.  
Pittsburgh, PA 15213

Dear Jim:

A letter from Leonard Krishtalka, with the welcome invitation to publish papers in the Ann. Carnegie Mus., reminds me that I haven't checked in for a while.

You (and Fran?) once threatened to visit us, but it never happened. I still think that CMNH and AT have a mutual future somewhere down the line, and I want to keep in touch. A visit by you would acquaint you with the shape of the "AT Palynological Collections and Library." So, I hope you'll still consider it.

Betty and I are going to Germany for a semester next year (end Dec. 91-1 July 92). I'll be doing Devonian spores at the Senckenberg in Frankfurt. Betty will be pushing forward with her German studies.

All the best to you both.

Yours very truly,

Alfred Traverse

P.S. Were you officially informed that our efforts re disposition of types and illustrated palynological material at CMNH were successful? I mean, AASP will apparently recommend it (per recent phone call from current president).

AT/et

THE PENNSYLVANIA STATE UNIVERSITY  
DEPARTMENT OF GEOSCIENCES  
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3 August, 1990

Dr. James E. King  
Director, Carnegie Museum of Natural History  
4400 Forbes Ave.  
Pittsburgh, PA 15213

Dear Jim:

Called this a.m. hoping to have a chat with you. I still would like to have the talk, but decided to write also.

We didn't get "the chair," as you know. It was not, in my opinion, a correct decision, and I believe a fair appraisal of the LSU and PSU proposals would have to lead to that conclusion. However that may be, the fact that my opposite number at LSU (a very good friend) was allowed to sit, deliberate and vote as a member of the board that made the decision is clearly unethical.

In any case, that is only one thing going on with me professionally. I am now within weeks of being 65, and even though it doesn't seem important to me, it's clearly a Grenzhorizont recognized by all sorts of people, from private "retirement counsellors" (the phone is buzzing with them) to Social Security, etc. I obviously have to make some decisions fairly soon, even if the decision is, "I said maybe and that's final!"

Under present circumstances we're back to square one regarding the outstanding paleopalynology collection I have assembled--it goes to Carnegie. PSU is making some sounds about creating its own permanent palynology program and/or starting a science museum, both of which might make me reconsider, but it looks to me as if both are really pie-in-the-sky-by-and-by. That the new president of PSU is a herbarium botanist who even quotes me in his papers will probably be just an interesting anecdote.

Would you have any interest in employing me as your palynologist/paleobotanist beginning in, say, about a year?--on a year-to-year basis, of course. I really don't have any interest in actually retiring, but there may be no compelling reason to stay at PSU from a financial point of view, after 65 and 26 years service here. I'm not saying I'd accept if you offered this possibility, but I should have all facts available before making decisions.

Best regards, as always.

Yours very truly,

Alfred Traverse

THE PENNSYLVANIA STATE UNIVERSITY  
DEPARTMENT OF GEOSCIENCES  
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435 Deike Building  
University Park, PA 16802

(814)863-3419 or (814)865-6711

February 13, 1989

Dr. Andrew R. Knoll  
Dr. James E. King, Director  
The Carnegie Museum of Natural History  
4400 Forbes Ave.  
Pittsburgh, PA 15213

Dear Jim:

It was a thrill to get notice of my appointment as Research Associate. Cathy Barnosky has probably told you that I have willed my extensive paleobotanical/palynological collections and library to the Carnegie and, should I be granted a long life, I would like to contemplate doing some volunteer work at the Museum on a regular basis after I retire here. In the meantime, I suppose I will only appear at "4400" occasionally. As archivist for the I.F.P.S. I get to the Hunt library once in a while. When I worked at the Bureau of Mines just down the street from you years ago, I used to visit the Museum on my lunch hours (and wish I could sneak on down to Forbes Field afterwards). If you wish you could send the announcement you mention to the Centre Daily Times (State College, 16801) and the Daily News (Huntingdon, PA 16652).

All the best.

Yours very truly,

Alfred Traverse  
Professor of Palynology

AT/et  
cc: Dr. C. Barnosky  
Dr. S. Alexander

THE PENNSYLVANIA STATE UNIVERSITY  
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8 April, 1991

Dr. Andrew H. Knoll  
Botanical Museum  
Harvard University  
26 Oxford St.  
Cambridge, MA 02138

Dear Andy:

Thanks for the great swatch of reprints. I'd already seen (and used in lectures) your Science paper--the others were new to me. Two very minor editorial suggestions: 1) the nice chapter from Briggs & Crowther has no date of publication I can find. Perhaps you should scribble it on the copies you send out (helps with citations); 2) I think "constraints" and "constrained" are jargon words being too much used. They soon will mean nothing. I really regret their appearance in titles.

Best regards.

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  
phone: 814-863-3419; fax: 814-865-3191

20 August, 1990

Dr. James E. King  
The Carnegie Museum of Natural History  
4400 Forbes Ave.  
Pittsburgh, PA 15213

Dear Jim:

Thanks so much for yours of 14 August. My life seems to be taking many sharp turns lately. Since I last wrote, there have been some more. As of a couple of hours ago I am without a parental home for the first time in my life (the closing on my mother's house was this morning). As of a week ago, Betty has her M.A. (see enclosure) and has decided to go on for the Ph.D.--here. That made me decide not to retire for a while, at least until she finishes her course work. Furthermore, I have applied for a Fulbright professorship, applied for a sabbatical, been elected an "Ehrenmitglied" of the Senckenbergische Naturforschendegesellschaft and have been extended an invitation to spend much of 1992 at the Senckenberg Museum in Frankfurt. This all just happened, and I was about to contact you.

I still think an eventual link-up with Carnegie is possible, one way or another. If I should be like, say, Johan Groot at the Delaware Geological Survey, I could still do a good day's work at 75. We'll see. At least as a volunteer it may happen.

Anyway, thanks for considering the idea. You and Frances would be very welcome at "Alphabet"--after mid-October. I will be out of town a lot until then. We have plenty of room for guests and enjoy being hosts.

All the best.

Yours very truly,

Alfred Traverse

AT/et  
encl



# THE CARNEGIE

MUSEUM OF  
NATURAL HISTORY

James E. King  
Director

August 14, 1990

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

Dear Al:

As both of us seem to be in and out of our offices, perhaps a letter is the best way to respond. Summers being what they are, it is often difficult to reach one by phone. I had heard that the chair in palynology went to Louisiana State University. I agree with you in that it seems a little unfortunate, but I had the feeling all along that the cards were stacked.

Congratulations on your impending birthday. Our society seems to make a great deal of certain milestones as we pass through life and 65 is clearly one of these. I can well imagine the advice you are receiving as well as the offers of all sorts of "great deals." It's easy to see how people get taken.

Your interest in becoming a staff member of The Carnegie Museum is a surprise and a delight to me. I have certainly valued your association as a research associate, and now with Cathy gone we may be leaning on you more in the future for advice. Cathy's departure has left me in a bit of a bind in that her position was a joint endeavor with the Department of Geology at the University of Pittsburgh. We each contributed half of her salary.

Pitt is now under a hiring freeze and the departmental chairman, Tom Anderson, does not feel he can get approval to fill his half of the position unless we find an extremely special person who is preferably female. He feels we will have to choose our candidate first and then go to the dean and ask for permission to recruit; to do it in the normal fashion is out of the question. The department is also extremely interested in hiring someone who works on Quaternary climate change; they have very little interest in traditional paleobotany. On the other hand the museum has an outstanding paleozoic collection that must be curated. My best guess is we will be unable to fill the joint position until sometime late in the coming academic year if at all.

4400 Forbes Avenue  
Pittsburgh, PA 15213  
412-622-3280  
Fax 412-622-8837

Dr. Alfred Traverse  
Page 2  
August 14, 1990

Thus your interest strikes a resonant cord. I clearly do not have a large amount of money available as the position is currently half time. We need to discuss the level of compensation you would be expecting. Quite frankly at the present time I have about \$15,000 to put toward this half-time assistant curator position. Increasing it to full time would mean resigning a position from another section that would open in the near future.

If the above does at least initially not scare you off, I would be delighted to talk to you further. As Frances and I have not seen much of north central Pennsylvania, perhaps we might drive up some weekend this fall and see the area and stop by for a visit. Good luck with your deliberations. I look forward to talking with you further.

With best wishes,

  
James E. King

jek:vmf

Pitt has just instituted a partial hiring freeze (their president claims poverty) so I do not know where we stand on their half of the joint position. I need to talk with Tom Anderson, Geology Dept. Chairman. My guess is that we will be ok as Cathy does not want to terminate until September 15 (Oregon starts her September 16), so we cannot start to look until the fall and probably hire for the spring.

I will keep Strother's name in the file. I think I have met his wife, the name is quite familiar.

Best wishes,

  
James E. King

JEK:vmf



THE CARNEGIE  
MUSEUM OF  
NATURAL HISTORY

James E. King  
Director

February 27, 1990

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

Dear Al:

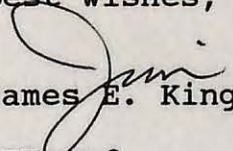
Thanks for the note(s); glad you received the staff I.D. badge.

Cathy is definitely going to Oregon. I felt we never had a chance to retain her, but I wish her well. I do feel she is not getting a great deal at Oregon with the teaching they are requiring. Here she has most of her time for research. As you know, people frequently make moves that others of us wonder about.

Pitt has just instituted a partial hiring freeze (their president claims poverty) so I do not know where we stand on their half of the joint position. I need to talk with Tom Anderson, Geology Dept. Chairman. My guess is that we will be ok as Cathy does not want to terminate until September 15 (Oregon starts her September 16), so we cannot start to look until the fall and probably hire for the spring.

I will keep Strother's name in the file. I think I have met his wife, the name is quite familiar.

Best wishes,

  
James E. King

JEK:vmf



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

15 February, 1990

Dr. James E. King, Director  
Carnegie Museum of Natural History  
4400 Forbes Ave.  
Pittsburgh, PA 15213

Dear Jim:

Just trying to fill your mailbox, so you'll have plenty to read when you get back! Welcome home (you lucky stiff) from Antarctica!

The badge came, out-of-focus picture and all, in a separate package. Thanks.

I enclose an item from the Field Museum that doubtless is already available to you. But I thought pp. 20-21 would be of interest in terms of the total income figures. They seem to get 60% as much from endowment as from taxes. The income from auxiliary enterprises is astonishing.

All the best.

Yours very truly,

Alfred Traverse

AT/et  
encl

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

14 February, 1990

Dr. James E. King, Director  
Carnegie Museum of Natural History  
4400 Forbes Ave.  
Pittsburgh, PA 15213

Dear Jim:

Just had a nice talk with Cathy W. She says that there seems little doubt she'll go to Oregon. She reports you're in Antarctica, but will be back after 1 March. Welcome home.

I have a former undergrad advisee, whom I got to go to Harvard for his Ph.D.--Paul Strother. He and his wife (a palynologist, Cecilia Lenk, now a computer expert in Boston) were Barghoorn's last two Ph.D. students, as Spackman and I were his first two. Strother is a geologist-paleobotanist who has worked on Ordovician/Silurian and Precambrian plants and "plants." He just found out that he did not get tenure at Boston Univ. and has until Fall of 1991 to get a new job. I can't imagine why he didn't get tenure--he is a good teacher, good researcher, good fellow. But I wonder if he wouldn't be a possibility for the Carnegie + Pitt job. Cecilia could get employment in due course with some company in the Pittsburgh area or, maybe, at Pitt. I would think the Harvard Ph.D. would be an attraction for Pitt. You should try to keep the Pitt half-time job open. Clearly, the best chance of getting a top paleobotanist to replace Cathy is to keep the combo-job available as a full-time position.

All the best.

Yours very truly,

Alfred Traverse

AT/et

The Pennsylvania State University  
Department of Geosciences  
Palynological Laboratories  
435 Deike Building  
University Park, PA 16802  
phone: 814-863-3419  
fax: 814-865-3191

January 23, 1990

Dr. Alfred Traverse  
Professor of Palynology  
The Pennsylvania State University  
Department of Geosciences  
1 February, 1990

Dr. James E. King, Director  
Carnegie Museum of Natural History  
4400 Forbes Ave.  
Pittsburgh, PA 15213

Dear Jim:

Thanks for your very nice letter of 23 January. I also enjoyed my visit to you, Fran and the Carnegie!

I am very happy that a "staff identification badge" was arranged for me. However, some snafu occurred, and it was not enclosed. Perhaps you can find out what happened and send it to me now?

"The ball takes some funny bounces." I can imagine scenarios in which I would spend a lot of time working in the Carnegie. I therefore hope you'll stay on forever.

Re the repository question, there's been an 11th-hour bid from Field! I am still working on the committee report. Hmm. There is also a lot of high-level politicking going on re the "chair-in-palynology" caper.

All the best. Regards to Fran.

Yours very truly,

Alfred Traverse

AT/et



THE CARNEGIE  
MUSEUM OF  
NATURAL HISTORY

James E. King  
Director

January 23, 1990

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

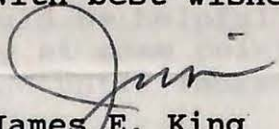
Dear Al:

I certainly enjoyed meeting with the AASP group last Friday and discussing with you the possibility of the archives being deposited here. I won't lobby any further, but if there is any information you would like, I would be more than happy to supply it.

Frances and I also enjoyed having you as our guests the other evening and having a chance to talk with you and Cathy. Due to the circumstances, it has been some time since we have had a chance to socialize with her.

Enclosed is your staff identification badge which arrived in my office late Friday afternoon. When you now enter the museum, you will no longer have to stop at security or any of our entrance desks. Just show your staff badge and you will have the immediate run of the place.

With best wishes,

  
James E. King  
Director

JEK/vmf  
Enclosure



THE CARNEGIE  
MUSEUM OF  
NATURAL HISTORY

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

James E. King

December 27, 1989

15 January, 1990

Dr. James E. King, Director  
Carnegie Museum of Natural History  
4400 Forbes Ave.  
Pittsburgh, PA 15213

Dear Jim:

Thanks for the maps and further encouragement.

My plan is to leave our area about 3:00 p.m. on Thursday, 18 Jan., after my paleobotany lecture. I should arrive at your house about 6:00 p.m., weather being favorable.

On Friday I will follow you in to CMNH, and will drive home Friday after the meeting, my coordinated visit to the Hunt in the afternoon, etc.

I presume that Cathy or somebody has arranged a small room for the AASP committee to meet on Friday morning at about 9:00 a.m.? I haven't called her yet, as her Christmas message and various stunning news items leaves me at a loss for words.

It would be helpful if you could meet with the committee on Friday at some point--lunch? Mid-morning coffee? No need to respond until Thursday p.m., naturally. See you then.

Yours very truly,

Alfred Traverse  
Professor of Palynology

AT/et



THE CARNEGIE  
MUSEUM OF  
NATURAL HISTORY

James E. King  
Director

December 27, 1989

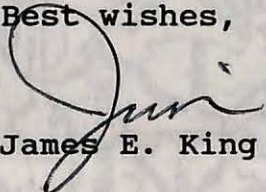
Dr. Alfred Traverse  
Professor of Palynology  
The Pennsylvania State University  
Department of Geosciences  
435 Deike Building  
University Park, PA 16802

Dear Al:

Before I forget it, I wanted to send you a map to our house. Enclosed are two maps which indicate where Rosewood St. is, unfortunately it is not on most city maps. It's a small dead end street with only about 12 homes on it.

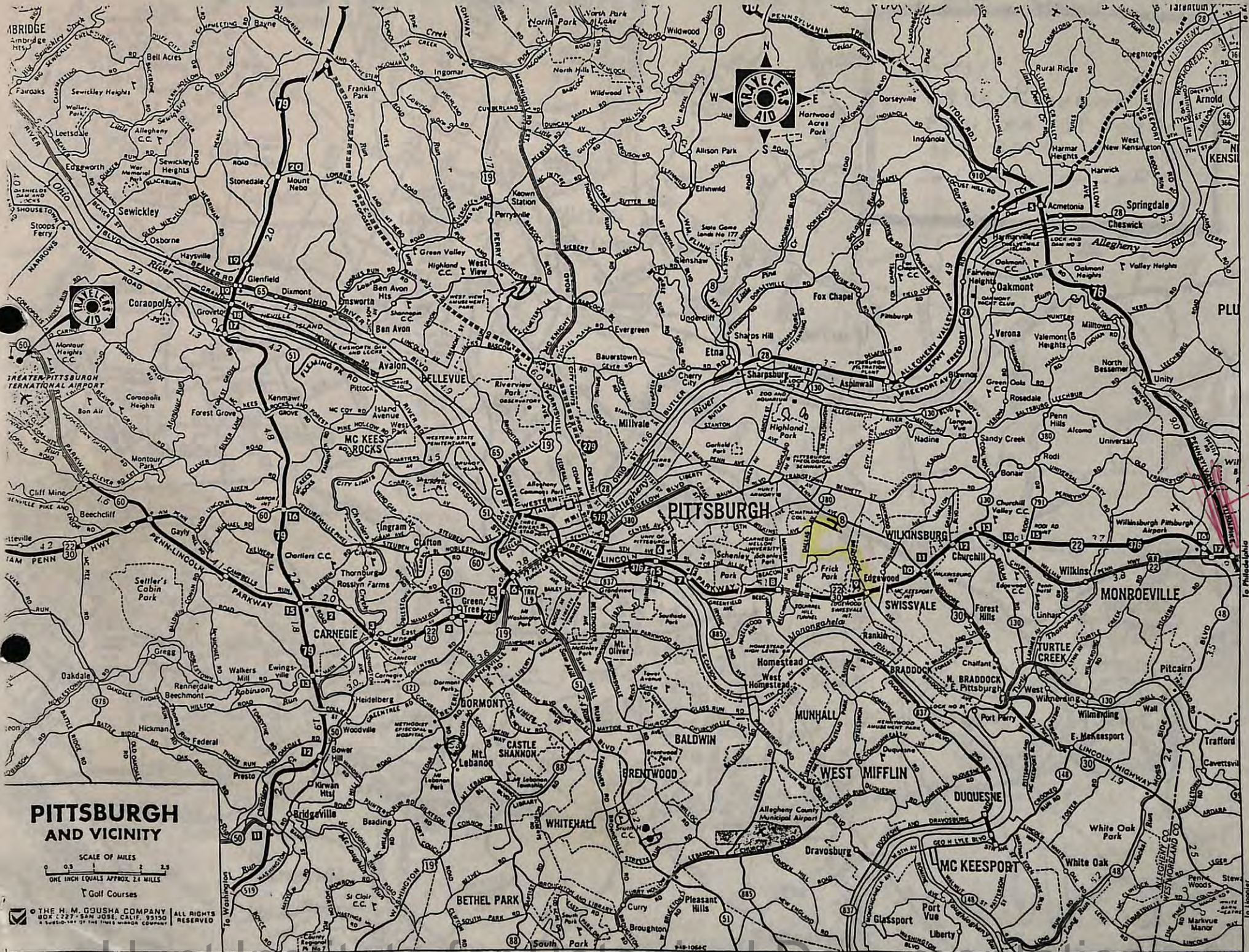
In case you get lost, our home phone is 326-3654 and the office is 622-3241. Fran and I are looking forward to your visit and the chance to show you around CMNH.

Best wishes,

  
James E. King

JEK/vmf  
Enclosure





**PITTSBURGH AND VICINITY**

SCALE OF MILES  
 0 0.5 1 2 2.5  
 ONE INCH EQUALS APPROX. 2.4 MILES

⌘ Golf Courses

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 BOX C-287-SAN JOSE, CALIF. 95130  
 A DIVISION OF THE TIME-WARNER COMPANY



King's  
 6946 Rosewood  
 PGH PA 15208  
 362-3654  
 2nd House on LEFT

FOR DETAIL OF THIS AREA, SEE MAP OF PENN CIRCLE TO THE RIGHT

Rosewood

St. Woodlawn Cemetery

8 April, 1981

Dr. James E. King  
Curator of Paleobotany, etc.  
Illinois State Museum  
Springfield, IL 62706 USA

Dear Jim:

Thanks so much for your nice letter of 24 March! I appreciate the gift of a 1981 membership in AMQUA. But I was already in your debt for that marvellous mammoth-in-the-woods picture that graces our lab. But thanks again!

I look forward to getting the Newsletters, which I hope our secretary at PSU will have the sense not to forward. Her instructions were to forward all first-class mail, and she even forwarded a large box of instructional materials I ordered a while back for Penn State, because it was sent first class. She whomped \$26.50 airmail postage on 'em and forwarded 'em to Switzerland!

Hope I can make it to Seattle in June, 1982! At the moment I can't really see past Sydney in August of this year. (Bot. Congress).

All the best.

Yours very truly,

Alfred Traverse  
Visiting Professor

AT/et

March 24, 1981

Dr. Alfred Traverse  
Ecole Polytechnique Federale Zurich  
Institut de Geologie  
Sonneggstrosse 5  
CH-8006 Zurich  
SWITZERLAND

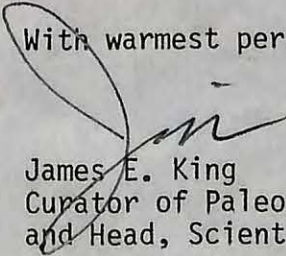
Dear Al:

Thank you so much for your note, I had forgotten all about our discussions regarding AMQUA last summer. In view of the fact that I have a very nice black and white photograph of our group in Scotland last summer on my bulletin board, please accept a 1981 membership in the American Quaternary Association with my compliments. I greatly appreciate the photograph, it brings back many pleasant memories of a very good field trip.

I do not have extra copies of the AMQUA Newsletter but I am sending you xeroxes of my copies of the last three issues. These issues cover the period in which Allen Solomon has been our Newsletter editor. He has upgraded the Newsletter tremendously and it is now once again back on a regular publishing schedule of twice a year. The next issue will be out sometime in late summer and carry the first announcement of the next biennial meeting which will be held in Seattle, Washington in June of 1982.

I hope all is well with you, and that you are enjoying your sabbatical. I recall our conversation last summer in which you expressed a desire to return to the Black Sea area.

With warmest personal regards,

  
James E. King  
Curator of Paleobotany  
and Head, Scientific Sections.

JEK:hmb

7 March, 1981

Dr. James E. King  
Illinois State Museum  
Springfield, IL 62706 USA

Dear Jim:

Vera Markgraf sent me a copy of AMQUA Newsletter 10:2. It reminds me to write you and tell you I want to join up and get the Newsletter. Will you arrange that and send me the appropriate bill?

I am here on sabbatical. Gave a course in Neogene palynology and continue my research in Black Sea Neogene.

Is it possible to get some (or all?) back numbers of the Newsletter?

All the best to you. I still recall last July with great pleasure!

Yours very truly,

Alfred Traverse  
Visiting Professor

AT/et

P.S. I would appreciate a response to this letter directed to the above address, but the Newsletters and all future correspondence should go to my home address:

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

**Illinois State Museum**

Springfield, Illinois 62706

Quaternary Studies Center

(217) ~~782-6695~~

785-0571

27 Oct 1980

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

AC,  
thanks much for the "BirKs Tom - 5 IPC" photo.  
It brings back great and pleasant memories.

Best wishes

Jim King

James E. King  
Curator of Paleontology &  
Head of Scientific Services

# Illinois State Museum

Springfield, Illinois 62706

Quaternary Studies Center

(217) ~~782-6628~~  
785-0571

20 November 1979

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

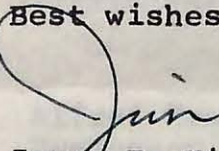
Dear Al;

Thanks for the kind words about the mastodon poster our exhibits staff prepared. The scene is +16,000 BP in the Midwest and is based on the work we did in western Missouri several years ago. All of the animals are backed up by fossils and the vegetation is based on the pollen and macrofossils in the spring bogs.

Separately I am sending you an extra copy I had, if you want more they are \$2.75 from our gift shop (postpaid). The easiest way is just to send me the order and I'll pass it on.

The new copy of PALYNOLOGY just came in this morning. It looks great, Vaughn is doing a great job.

Best wishes,



James E. King  
Curator of Paleobotany &  
Head of Scientific Sections

XXXX

12 November, 1979

Dr. James B. King  
Illinois State Museum  
Springfield, IL 62706

Dear Jim:

On a recent visit to SIU-Edwardsville, I saw in the office of Dr. Brugam a copy of that magnificent picture of the mastodon in a spruce forest. Brugam thought that I could perhaps obtain a copy of it from the museum, and if you will tell me how to go about doing so, I will order one. It was certainly a thrill to see it.

Best wishes.

Yours very truly,

Alfred Traverse  
Professor of Palynology

AT/et

Graduate House,  
Mass. Inst. of Tech.,  
Cambridge, Mass.,  
Nov. 23, 1953.

Dr. Alfred Traverse,  
Lignite Research Laboratory,  
Grand Forks, N. Dakota.

Dear Dr. Traverse:

I am sending, under separate cover, a number of reprints which should give you some idea of the construction and performance of our D.T.A. equipment. Unfortunately I have been unable to locate Smother's bibliography, however, I am sure he would be glad to send you a copy.

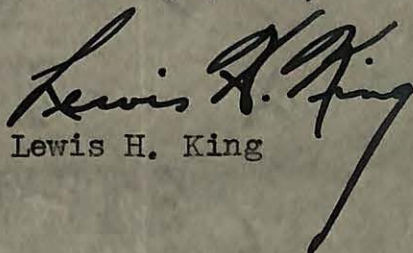
With regard to the references on pyrite and marcasite, you will probably be interested in the following:

Allen, Crenshaw and Johnson; The Mineral Sulphides of Iron;  
Amer. J. of Science (4) 33 (1912) pp. 169-236.

Tarr, W.A.; Alternating Deposition of Pyrite, Marcasite and  
Possibly Melnikovite; Amer. Min. 12; (1928) p. 417.

Trusting this information will be of some assistance to you, I am,

Sincerely yours,



Lewis H. King



January 19, 1961

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

Dear Dr. Traverse:

Thank you very much for the four mounted sheets sent to Dr. Turner for determination. They arrived in fine condition and will be a valuable addition to our Herbarium.

Dr. Turner's determinations are as follows:

- 1521 Sedum sp.
- 1602 Mascognia macroptera Ndz.
- 1654 Centrosema virginianum (L.) Benth.
- 1779 Jacobinia incana Benth. and Hook.

It was a pleasure to visit with you last week. I hope that it may be possible for us to go collecting sometime.

Very sincerely,

*Bot*

Robert Merrill King  
Curator

RMK:jb

P.S. I have just seen your letter sent to Dr. Turner and we will return your sheets soon.

The Pennsylvania State University  
Department of Geosciences  
Palynological Laboratories  
435 Deike Building  
University Park, PA 16802  
phone: 814-863-3419  
fax: 814-865-3191

8 February, 1990

January 19, 1991

file

The College Library  
Kings College  
Kings Parade  
Cambridge, England CB2 3EQ, U.K.

Dear Friends:

As a former student (1946-47) at Kings, I get the annual report. I note in the current number the request for publications by members of the College. I guess I am one, and send you therefore a copy of my recent book, Paleopalynology.

Yours very truly,

Alfred Traverse  
Professor of Palynology

AT/et

January 19, 1971

*fu*  
The Rev. Michael Till  
~~King's College~~  
Cambridge University  
Cambridge, England

Dear Father Till:

At last, a letter from the Dean with which I could identify! I had always felt it appropriate to bask in the reflected glory of the long list of publications by our distinguished Deans, but I must say it was perhaps a little too humbling. Unfortunately, I don't have a top hat to send you (how about a five gallon?-- that's more my line), nor do I suppose I would make the ideal candidate for the new chaplain since even my tone-deaf rector winces when it is my turn to sing the priest's parts of the Eucharist. However, I do greatly treasure my association with King's, and I look forward to paying you another visit one of these years!

Thanks again for your witty letter and God keep you in 1971.

Yours very truly,

(The Rev.) Alfred Traverse  
Professor of Geology & Biology

AT/vsi

# MUSEUM OF NORTHERN ARIZONA



September 11, 1989

**Dr. Alfred Traverse**  
Department of Geosciences  
Palynological Laboratories  
435 Deike Building  
University Park, Pennsylvania 16802

Dear Dr. Traverse:

I am writing to request a follow up on several matrix samples from the Owl Rock Member of the Chinle Formation, submitted for pollen analysis in 1988. The sediments sampled were associated with vertebrate bone accumulations and well-developed paleosol structures. In a previous letter, you indicated that a considerable project backlog would delay processing for some time. I am finalizing my M.S. thesis work and would be interested in any results you may have obtained. As my research funds were limited and are now exhausted, I was unable to engage a student pollen analyst for contract work. If the samples were not analysed, I would be happy to pay postage for their return. I enclose a duplicate of my request letter for your information. Thank you again for your attention to this matter.

Sincerely,

**Randy E. Kirby**  
Graduate Research Associate  
Department of Geology  
H.S. Colton Research Center

(602) 774-5211 ext. 140

# MUSEUM OF NORTHERN ARIZONA



August 3, 1988

**Dr. Alfred Traverse**

Department of Geosciences  
435 Deike Building  
Pennsylvania State University  
University Park, Pennsylvania 16802

Dear Dr. Traverse:

I am writing to request an analysis of several mudrock and fecal samples of Late Triassic age, for possible recovery of palynomorphs. I am conducting an M.S. thesis project on a vertebrate fauna from the Owl Rock Member of the Chinle Formation, through Northern Arizona University and the Museum of Northern Arizona. The project focuses on nine localities established by MNA field parties in the Ward Terrace area of northern Arizona. Following completion of M.S. coursework, I am completing analysis and write-up at the Museum of Northern Arizona as a Graduate Research Associate.

I am interested in possible constraints on the age of the Owl Rock localities, and in the possibility of expanding the palynological framework of the Chinle Formation. At the suggestion of Dr. Michael Morales at MNA, and Dr. Sidney Ash at Weber State College, I am submitting the following samples to your lab for processing. Several of the samples were drawn from mudrocks associated with an excellently preserved vertebrate microfauna, while others were taken from an overlying pedogenic zone, possibly marginal lacustrine in origin.

I would appreciate information on 1) the feasibility of analysing the fecal material for palynomorphs, and 2) the amount of time required for analysis of both fecal and mudrock samples. Would it be possible to receive preliminary results by early September? I would also appreciate offprints of any publications you can forward on the palynology of Late Triassic formations on the east coast or in the U.S. southwest, and on your processing techniques for thesis citation.

I am enclosing the samples for your examination. Any information you can forward on this subject will be greatly appreciated.

Sincerely,

**Randy E. Kirby**  
Graduate Research Associate  
Department of Geology  
H.S. Colton Research Center

(602) 774-5211 ext. 140

Dr. Alfred Traverse  
August 3, 1988

page 2

### Locality Data

Samples are from four localities described below. (Exact stratigraphic positions in the Owl Rock or Rock Point sections are preliminary).

1 -- MNA 360 (Billingsley Locality). About 22 m below the Rock Point Member of the Chinle Formation, in the upper portion of the Owl Rock Member of that unit. NW1/4, sec. 17, T26N, R12E (USGS 7.5 min. quad., "Badger Spring, Ariz.," 1969). 14 miles ESE of Cameron, Arizona at 35° 38' latitude, 11° 8' 15" longitude.

Samples: POW-B3-F3            50.00 g (coprolite, 1 vial: microvertebrate site)  
          POR-723(88)-B1    100.00 g (mudrock, 2 vials: macrovertebrate site)  
          POW-918(87)-B2    100.00 g (mudrock, 2 vials: unionid bivalve site)  
          POR-723(88)-B3    100.00 g (mudrock, 2 vials: microvertebrate site)  
          POW-918(87)-SE2 100.00 g (mudrock, 2 vials: macrovertebrate site)

2 -- Top portion of Tloi Eechii Cliffs Owl Rock stratigraphic section. About 7.5 m below the Rock Point Member of the Chinle Formation, in the uppermost portion of the Owl Rock member of the unit. NW1/4, sec. 16, T26N, R12E (USGS 7.5 min. quad., "Rock Head, Ariz.," 1969). 15 miles ESE of Cameron, Arizona at 35° 38' latitude, 111° 8' 15" longitude.

Samples: POR-25-T1            100.00 g (mudrock, 2 vials: paleosol zone)\*

3 -- Top portion of Tloi Eechii Cliff Owl Rock stratigraphic section. About 1.5 m above the Owl Rock-Rock Point contact, in the lowermost portion of the Rock Point Member of the Chinle Formation. NE1/4, sec. 16, T26N, R12E (USGS 7.5 min. quad., "Rock Head, Ariz.," 1969). 15 miles SE of Cameron, Arizona at 35° 38' latitude, 111° 8' 15" longitude.

Samples: POR-723(88)-RP    100.00 g (mudrock, 2 vials: OR/RP contact site)

4 -- MNA 791 (Goforth Locality). About 8.5 m below the Lukachukai Member of the Wingate Sandstone, in the uppermost portion of the Owl Rock Member of the Chinle Formation. SW1/4, sec. 32, T29N, R11E (USGS 7.5 min. quad., "The Landmark, Ariz.," 1969). 9 miles ESE of Cameron, Arizona, at 35° 51' latitude, 111° 14' longitude.

Samples: POW-G01-F2            50.00 g (coprolite, 1 vial: microvertebrate site)

Both coprolite samples were wet screenwashed in water, followed by immersion in kerosene for final breakdown of clay and mudstone fractions.

\* (Additional samples available from this site if T1 tests yield palynomorphs.)

Samples are listed in order of preferred priority of analysis.

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 November, 1989

Mr. Randy E. Kirby  
Dept. of Geology, H.S. Colton Research Center  
Museum of Northern Arizona  
Rte. 4, Box 720  
Flagstaff, AZ 86001

Dear Randy:

Well, I've finished your samples--they were a lot of work and not particularly suitable for demonstration to my class, but I managed.

I enclose my report, in tabular form. As you can see, only one sample contained a palynoflora, and it is Neogene.

This result could have been predicted, because

1. various shades of red and brown samples are almost always barren--oxidized,
2. mottled samples are almost always barren--weathered (i.e., oxidized),
3. calcareous samples are usually but not always barren--prolonged exposure to high pH is bad for sporopollenin, and lime is usually a very alkaline deposit.

So, none of your samples was promising from hand-specimen examination. You might wish to read my words of wisdom(?) on this matter in my Paleopalynology text: pp. 475-477.

The coprolites surprised me--I thought they might be productive, but there were no palynomorphs. There was a considerable, very light and fluffy, amorphous organic residue that floated in HF and was devilishly hard to recover.

I am sending under separate cover a box with your samples, the slides of 918-B2, plus the residue in glycerin jelly (melt at 45C to make more slides).

Yours very truly,

Alfred Traverse  
Professor of Palynology

AT/et  
encl: report

Report on R.E. Kirby Samples

Note: All samples were macerated using standard palynological techniques: 20% HCl-con. HF-20% HCl-ZnCl (sp. gr. 2.1) flotation.

<u>Sample # and Description</u>	<u>Results and Comments</u>
POW-918 (87)-B2; pinkish tan sandy silt	very calcareous; vigorous reaction w. HCl; yellow-orange color supernatant; very vigorous reaction w. HF (boiled); <u>very</u> small organic float. This organic float contains a palynoflora of <u>Pinus</u> spp., <u>Atriplex</u> and other chenopods, amaranths, a wide variety of insect-pollinated dicots, <u>Ephedra</u> , <u>Juniperus</u> , (aquatic?) monocots that would require more work to identify, tracheary and other plant fragments.
POR-723 (88)-B1: gray siltstone with purplish stains	very calcareous; vigorous HCl reaction; very vigorous HF reaction (boiled); no organic float. <u>Barren</u> .
POR-723 (88)-RP: red-brown siltstone with greenish mottling	no visible HCl reaction; orange supernatant; mild HF reaction; no organic float. <u>Barren</u> .
POR-723 (88)-B3: brownish sandy silt- stone with green mottling	slight fizzing with HCl; bright yellow supernatant; vigorous HF reaction; no organic float. <u>Barren</u> .
POR-25-T1: pinkish brown silt with pale green flecks	violent HCl reaction; tan supernatant; violent HF reaction; no organic float. <u>Barren</u> .
POW-918 (87)-SE2: reddish brown silt	vigorous HCl reaction; copper-colored supernatant; <u>violent</u> HF reaction. <u>Barren</u> .
POW-B3-F3-coprolite: mix of white, gray, pinkish lumps	violent HCl reaction; gray super- natant; no visible HF reaction; large float <u>in acid</u> of fluffy organics; very small float in heavy liquid; no palynomorphs. <u>Barren</u> .
POW-G01-F2-coprolite: mix of reddish-brown and whitish pebbles, mostly darker than the above	violent HCl reaction; brown supernatant; no visible HF reaction; very small organic float; no palynomorphs. <u>Barren</u> .

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

21 September, 1989

Randy E. Kirby  
Department of Geology  
H.S. Colton Research Center  
Museum of Northern Arizona  
Rte. 4, Box 720  
Flagstaff, AZ 86001

Dear Randy:

Yours of 11 September (postmarked 15 Sept.) just in--mail takes an unconscionably long time.

As I apparently explained before, running palynological macerations costs time and money, just as getting a radiometric date does. If there had been a few dollars to compensate PSU for use of the lab and chemicals and to pay a student hourly wages to do the time-consuming ("I'm centrifuging my life away") work, it would have been done.

However, what I had planned to do, and would still like to do, is to use your samples for my demonstration of lab techniques for the palynology class, now in session. That means I'll run the samples starting in about a week. I should have results therefore in about three weeks. Let's hope the samples are productive--makes a much better demo!

All the best. Thanks for being patient a few more weeks.

Yours very truly,

Alfred Traverse  
Professor of Palynology

P.S. Just checked my maceration book--the demo in 1988 was for a project from Delaware Geological Survey--it was a great success and resulted in funding!

AT/et

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

8 September, 1988

Mr. Randy E. Kirby  
Department of Geology  
Museum of Northern Arizona  
Rte. 4, Box 720  
Flagstaff, AZ 86001

Dear Mr. Kirby:

Yours of 3 August, and the package of samples, arrived during my absence in Australia at the Int. Palynological Congress. I am now trying to get the semester (began 20 August) caught up, correspondence attended to, MSS for the Congress papers written, etc.

I believe somebody has probably given you the impression that it's easier to do this sort of work than it is! Your project sounds very interesting, and I would think that during the semester I could process and study a few (the lithologically most promising?) samples to see if they contain palynomorphs. If they do, age determination would probably be more or less routine. I sure can't get out the job for a while though.

If you were in urgent need of an answer, I offer an alternate suggestion--I can hire one of my graduate students to process the samples--and I would study the preparations. You would have to pay by the sample for this work. We have had many such contracts, and they partially support a number of the students.

Best wishes.

Yours very truly,

Alfred Traverse  
Professor of Palynology

AT/et

# MUSEUM OF NORTHERN ARIZONA



August 3, 1988

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

Dear Dr. Traverse:

I am writing to request an analysis of several mudrock and fecal samples of Late Triassic age, for possible recovery of palynomorphs. I am conducting an M.S. thesis project on a vertebrate fauna from the Owl Rock Member of the Chinle Formation, through Northern Arizona University and the Museum of Northern Arizona. The project focuses on nine localities established by MNA field parties in the Ward Terrace area of northern Arizona. Following completion of M.S. coursework, I am completing analysis and write-up at the Museum of Northern Arizona as a Graduate Research Associate.

I am interested in possible constraints on the age of the Owl Rock localities, and in the possibility of expanding the palynological framework of the Chinle Formation. At the suggestion of Dr. Michael Morales at MNA, and Dr. Sidney Ash at Weber State College, I am submitting the following samples to your lab for processing. Several of the samples were drawn from mudrocks associated with an excellently preserved vertebrate microfauna, while others were taken from an overlying pedogenic zone, possibly marginal lacustrine in origin.

I would appreciate information on 1) the feasibility of analysing the fecal material for palynomorphs, and 2) the amount of time required for analysis of both fecal and mudrock samples. Would it be possible to receive preliminary results by early September? I would also appreciate offprints of any publications you can forward on the palynology of Late Triassic formations on the east coast or in the U.S. southwest, and on your processing techniques for thesis citation.

I am enclosing the samples for your examination. Any information you can forward on this subject will be greatly appreciated.

Sincerely,

**Randy E. Kirby**  
Graduate Research Associate  
Department of Geology  
H.S. Colton Research Center

(602) 774-5211 ext. 140

Locality Data

Samples are from four localities described below. (Exact stratigraphic positions in the Owl Rock or Rock Point sections are preliminary).

1 -- MNA 360 (Billingsley Locality). About 22 m below the Rock Point Member of the Chinle Formation, in the upper portion of the Owl Rock Member of that unit. NW1/4, sec. 17, T26N, R12E (USGS 7.5 min. quad., "Badger Spring, Ariz.," 1969). 14 miles ESE of Cameron, Arizona at 35° 38' latitude, 11° 8' 15" longitude.

Samples: POW-B3-F3            50.00 g (coprolite, 1 vial: microvertebrate site)

POR-723(88)-B1 100.00 g (mudrock, 2 vials: macrovertebrate site)

POW-918(87)-B2 100.00 g (mudrock, 2 vials: unionid bivalve site)

POR-723(88)-B3 100.00 g (mudrock, 2 vials: microvertebrate site)

POW-918(87)-SE2 100.00 g (mudrock, 2 vials: macrovertebrate site)

2 -- Top portion of Tloi Eechii Cliffs Owl Rock stratigraphic section. About 7.5 m below the Rock Point Member of the Chinle Formation, in the uppermost portion of the Owl Rock member of the unit. NW1/4, sec. 16, T26N, R12E (USGS 7.5 min. quad., "Rock Head, Ariz.," 1969). 15 miles ESE of Cameron, Arizona at 35° 38' latitude, 111° 8' 15" longitude.

Samples: POR-25-T1            100.00 g (mudrock, 2 vials: paleosol zone)\*

3 -- Top portion of Tloi Eechii Cliff Owl Rock stratigraphic section. About 1.5 m above the Owl Rock-Rock Point contact, in the lowermost portion of the Rock Point Member of the Chinle Formation. NE1/4, sec. 16, T26N, R12E (USGS 7.5 min. quad., "Rock Head, Ariz.," 1969). 15 miles SE of Cameron, Arizona at 35° 38' latitude, 111° 8' 15" longitude.

Samples: POR-723(88)-RP 100.00 g (mudrock, 2 vials: OR/RP contact site)

4 -- MNA 791 (Goforth Locality). About 8.5 m below the Lukachukai Member of the Wingate Sandstone, in the uppermost portion of the Owl Rock Member of the Chinle Formation. SW1/4, sec. 32, T29N, R11E (USGS 7.5 min. quad., "The Landmark, Ariz.," 1969). 9 miles ESE of Cameron, Arizona, at 35° 51' latitude, 111° 14' longitude.

Samples: POW-G01-F2            50.00 g (coprolite, 1 vial: microvertebrate site)

Both coprolite samples were wet screenwashed in water, followed by immersion in kerosene for final breakdown of clay and mudstone fractions.

\* (Additional samples available from this site if T1 tests yield palynomorphs.)

Samples are listed in order of preferred priority of analysis.

April 27, 1971

Dr. D.W. Kirkland  
Mobil Research & Development Corp.  
Field Research Laboratory  
P.O. Box 900  
Dallas, Texas 75221

Dear Doug:

I just finished reading your paper on "Cordaitina pollen from Pennsylvanian strata of Oklahoma and Texas," of which I would appreciate receiving a separate reprint also. The paper seems to be a very thorough job and was interesting reading. I have, however, one minor caveat which perhaps will be helpful. In your captions to illustrations you include several inches of coordinates, but you state that the coordinates are "from a Leitz Ortholux microscope". That sort of information is completely meaningless because hardly any two Ortholuxes have the same stage settings, and, furthermore, they can be and frequently are changed with a simple adjustment with a screwdriver. If you provided the serial number of the particular microscope used, it would be somewhat more helpful, but really the only satisfactory solution is to provide a reading for each slide for a fixed point, as has been mentioned in print by several people (including me!). There are other ways of handling the problem too, but "naked" coordinates are not good and should be refused by editors.

Best wishes to my various friends at Mobil and looking forward to seeing you before too many months or years, I am

Yours very truly,

Alfred Traverse  
Professor of Geology & Biology

AT/vsi

Dear Alfred,

Many thanks for the copies of SPEC... it was fun to get back in touch with the Gaspé. Thank-you for taking the time to track me down!

For your collection, entertainment or whatever, I'm enclosing a few slides... Most of them are of material from Wyoming Hill in Muscatine, IA... it was a great area to collect at until the road dept. finished it off! You will find pix of Megalopteris, Lesteya, Lacoca and a few other oddball items. For more info on this area see Richard Leary's Illinois Geol. Survey Circular #500, "An Early Penn. Flora w/ Megalopteris & Noeggerathiales from West-Central Illinois." 1977.... Also enclosed are a few assorted spore pictures and other things that I've recently shot.

I'm working on the writing of my dissertation these days; with any luck it should be done in June or July of 1985. I have been applying for jobs with various oil companies, but no luck thus far. Depending upon timing of dissertation & job I might get up to the Gaspé for a while. It would be great to see the place again!

Got to get back to work or I will never get out of Iowa! Have happy holidays... enjoy the snow.

P.S. Nearly forgot... enclosed is a photo of our beach in Canada... our 'Tete d'Indran' is unfortunately becoming pretty famous up there... we can't keep the tourists away!  
MK

Christmas Greetings

1984

—Matt Klare—

1915 Muscatine  
Iowa City, Ia  
52240

± 10 Feb 185

Dear Alfred,

To the best of my knowledge,  
the Cryptozoons at Saratoga (actually  
Greenfield Center, NY) are of Upper  
Cambrian age.... maybe Whitehall fm??  
My NY geol. map does not show the  
little road which goes past the outcrop...  
so the Whitehall business is a guess!  
Any way, they are £. More later...  
I've got to run now.

Matt

Klare

28 January, 1985

Mr. Matthew W. Klare  
Department of Botany  
University of Iowa  
Iowa City, IA 52242

Dear Matt:

This is a very tardy acknowledgment of, and hearty thanks for, the neat package from you at Xmas time. The Indianhead photo is incredible! Hope I get to see it before weathering and erosion do it in.

The slides are all very welcome. The "practical-use-of-a-fossil-plant" slide I'm using in a lecture tomorrow as a lead in: "what good are fossil plants?".... The shots of dozers wrecking the site at Muscatine will be used for another lecture. The pics of specimens from Muscatine are great. I can see why Andrews says Lesleya is "Glossopteris-like".

Best wishes on your thesis and job-hunting. For some companies, it would help if you could suppress 'Botany' in your address.

Hoping we meet again and with best wishes, I am

Yours very truly,

Alfred Traverse  
Professor of Palynology

AT/et

P.S. Are the Saratoga Cryptozoans Ordovician or what? (Answer card enclosed.)

Jean-Roland Kläy  
Institute of Polar Studies  
The Ohio State University  
125 South Oval Drive  
Columbus, Ohio 43210

May 23, 1969

Dr. A. Traverse  
Associate Professor of Geology & Biology  
Deike Building  
The Pennsylvania State University  
University Park, Pennsylvania 16802

Dear Dr. Traverse:

Thank you very much for your letter of  
15 May. It gave me exactly the information I was looking for  
and I wrote to the different Oil Companies you indicated, men-  
tioning that I got their address from you.

I hope that I will be able one day to  
return you the favour.

Yours very truly

*JR Kläy*  
JR Kläy

May 15, 1969

Dr. J.-R. Kläy  
Institute of Polar Studies  
The Ohio State University  
125 South Oval Drive  
Columbus, Ohio 43210

Dear Dr. Kläy:

Glad to have your letter of 7 May. A number of the oil companies are on the lookout for qualified people in palynology, though most of them are seeking pre-Quaternary workers. However, I presume that you are flexible enough to work with older rocks.

At the moment, I know that Pan-American in Tulsa, Gulf in Houston, and California in New Orleans are looking for people.

The places to write would be:

Dr. C.F. Upshaw  
Pan American Petroleum Corp.  
P.O. Box 591  
Tulsa, Oklahoma 74102

Dr. George R. Fournier  
Gulf Technical Services Center  
3820 Buffalo Speedway  
Houston, Texas 77006

Mr. W.H. Akers  
Chevron Oil Co.  
1111 Tulane Ave.  
New Orleans, La.  
70112

There would be no harm in making a general inquiry to Shell and Humble to their New York offices--they would refer the inquiry to the appropriate places. You might also write to Shell at their headquarters in the Hague, Netherlands (Shell's New York office can give you the address), about possible overseas employment. Hope this gives you what you wanted to know. You may mention my name if you like.

Yours very truly,

Alfred Traverse  
Associate Professor of Geology & Biology

AT:kwc

Jean-Roland Kläy  
Geologe ETH  
Institute of Polar Studies  
The Ohio State University  
125 South Oval Drive  
Columbus, Ohio 43210

May 7, 1969

Dr. Al Traverse  
Department of Geology  
Pennsylvania State University  
State College, Pennsylvania

Dear Sir:

In August 1968 I finished my Ph.D. in Geology at the Swiss Federal Institute of Technology in Zurich. My work dealt with the Quaternary deposits in the plain of the Linth-river. I did an importante part of my work in palynology, comparing and dating different lignites and developed a strong interest in this field. However I had the opportunity to accept a post-doctoral fellowship at the Institute of Polar Studies at the Ohio State University and I work here now as a glacial geologist. I spent the last winter in the Antarctis and I will spend the next summer in Alaska.

After this fellowship though I would like to work in palynology again, if possible for the industry.

My former professor, Dr. K. Hsu, who I met on his last trip to the United States, suggested that I should write to you if I wanted to find out what the chances are of finding a job in palynology.

I would be happy to work anywhere in the world. I would be very appreciative if you could indicate to me where I would have the best chances to find an employment.

Yours sincerely

*JR Kläy*

JR Kläy

18 November, 1967

*File*

Dean of the Graduate School  
Brown University  
Providence, Rhode Island 02912

Dear Sir:

Mr. Harry Klein, a senior undergraduate in this institution, has asked me to write a letter in support of his application for graduate standing in your university.

I am happy to do this for Mr. Klein. I had him in my general survey course in historical geology last year. He did a fine job with the material--that much could be ascertained from his grade. He also went out of his way to get to know me and ask questions, a level of interest that was most unusual in a class of 250. I am aware, of course, that Harry was at least partly motivated by a desire to get to know me in case it might be desirable to have a faculty member or two who remembered Harry Klein. On the other hand, I was selfishly interested in getting to know some undergrads--as many as possible--to learn what they thought of my course--so I did not find Mr. Klein's mild "promotion" at all offensive. In fact, I think that is much in his favor that he is aggressive enough to accomplish his purpose at this institution without being offensively aggressive.

I would say that Harry is of high average intelligence. He combines this with a pleasing personality and, as I have said, the desire to get ahead that makes him take action when action is called for. I have a feeling that he will be a hard-working, successful graduate student.

Yours very truly,

*Alfred Traverse*

Alfred Traverse  
Associate Professor of Geology

December 20, 1974

Dr. John R. Kleist  
Chevron Overseas Petroleum Inc.  
555 Market Street  
San Francisco, CA 94105

Dear John:

Thanks for yours of 15 November, which I have been entirely too long answering. My very limited spare time since the receipt of that letter has been spent in studying the materials of Ed Beutner, which are giving answers very similar to those I obtained for you. I still am stubbornly hanging onto Paleocene but am checking everything I can think of, especially the fungal spores. As I told you, that is a matter I never previously paid much attention to!

As regards to the much discussed "bill"--I still have not received my check. To be frank, at this point I would really much prefer that Dr. Maxwell, having waited this long, would wait 13 more days or so so that I wouldn't have to pay 1974 income tax on the money! Sometime after the first of the year, I would, however, like to have the cash in order to pay the person who did the work, as well as for the chemicals, etc.

Best wishes for the holiday season.

Yours very truly,

Alfred Traverse  
Professor of Palynology

AT/vsi



**Chevron Overseas Petroleum Inc.**  
555 Market Street, San Francisco, CA 94105

November 15, 1974

Dr. Alfred Traverse  
College of Earth and Mineral Sciences  
Palynological Laboratories  
The Pennsylvania State University  
University Park, Pennsylvania 16802

Dear Al:

Just a short note to thank you for your efforts on #57,949, and 551.  
Thanks also for those slides - they're real nice.

Your contact with Bill Evitt resulting in the Paleocene vs. Eocene dilemma intrigues me. I am happy to hear that his pollen and spores suggested Paleocene also. The Eocene dinoflagellates present somewhat of a problem. Does he get pollen and spore combinations that could definitely be put in the Eocene? Please keep me posted on further developments.

With regard to your bill, it is presently in the hands of Dr. Maxwell. At last report, he was in the process of getting it taken care of.

Sincerely yours,

A handwritten signature in blue ink that reads "John R. Kleist".

John R. Kleist

November 6, 1974

Dr. John R. Kleist  
Chevron Overseas Petroleum  
555 Market Street  
San Francisco, California 94105

Dear John:

Have just finished examining 25 additional slides from K551. Unfortunately (from your point of view), I did not find convincing evidence of much higher position than I had previously guessed. In my original report I said probably upper Senonian, possibly Maestrichtian. On the basis of what I now have, I would go with probably Maestrichtian. This is on the basis of what I already reported for you, plus quite a variety of triporate forms of an uppermost Cretaceous or Paleocene appearance. None of the certain Paleocene indicators such as Bombacapites sp., which I have encountered in other samples, are present. There is one very badly corroded Pistillipollenites and several possible ghosts of the same form. This might mean Paleocene, in fact probably would if I were more certain of it and if it were combined with some of the other things I would expect from the Paleocene. I really feel fairly happy about a Maestrichtian date at the moment, though I am a little nervous about the nondescript nature of the flora. There are a great many fungal spores in this assemblage. Almost nothing is in the literature about such things at the moment, though there is a great expansion of interest. I am taking a batch of photographs of these and sending them off to one of my pals who is researching the question. We'll see what he says, and I will let you know of course if it greatly changes the decision.

Another development is that Bill Evitt has been on the phone and has written me letters regarding my presentation in Calgary. He, I think, is somewhat worried about his "Eocene" dates. It turns out that they depend on dinoflagellates (about which I know next to nothing) which he obtained from limestones. The spore floras he has look much more Paleocene, and indeed one of the batch of plates which he sent me show all of the forms that I have based my Paleocene dates on for you. What if it turns out that the dinoflagellates say Eocene

and the pollen and spores say Paleocene? Bill says that "when I pulled the plates out of the file to copy them I noticed that my notation of estimated age said Paleocene! Maybe." So things are really turning. I now will press on to look at the samples I have run for Ed Beutner, and will try to get a manuscript ready for publication about all this stuff. It has been fun.

Best wishes and let me know if there is anything more I can do.

Yours very truly,

Alfred Traverse  
Professor of Palynology

AT/vsi

P.S.: Was there any problem regarding our "bill"?

October 29, 1974

Dr. John R. Kleist  
Chevron Overseas Petroleum Inc.  
555 Market Street  
San Francisco, California 94105

Dear John:

Well, the Calgary trip has come and gone. Probably the most important part of the trip as far as your and my joint effort is concerned occurred in hotel rooms, etc., and had nothing to do with my presentation. I showed pictures of a lot of my things to quite a few of the different oil company people to see if they had information other than what is in the literature, and some of them did. The gist of it is that it looks like K57 is probably no ~~younger~~ than Danian and might even be higher in the Paleocene. This is based on several different forms which I found, including some fungal spores which I had not previously included in the picture because there is nothing published on their stratigraphic range. It is quite possible that 949 is higher than I originally said also, again based on forms which I could not previously evaluate because of lack of information. It is certainly no older than Senonian, and I suppose if I had to take a guess I would probably go with Upper Cenonian at this point. We are at work on sample 551 and will let you know as soon as possible what came out of that. Then I must get to the business of putting together some manuscript material.

I had a chance to talk with Harold Kaska at this meeting for the first time ever really--we had dinner together, and I think he is one of the most fun people I have ever known!

I enclose copies of the slides I used for the presentation, which might be of some interest or use to you. You will note that ~~all~~ of them are redrawn from materials which you provided for me.

Yours very truly,

Alfred Traverse  
Professor of Palynology

AT/vsi  
Enclosure: copies of slides

January 29, 1974

Mr. John R. Kleist  
Department of Geological Sciences  
P.O. Box 7909  
University of Texas  
Austin, Texas 78712

Dear Mr. Kleist:

Thank you for yours of 3 January, which I've been rather too long in answering. It came during a very busy period, etc. As you may have heard from Prof. Maxwell or somebody, I have had a crack at Franciscan rocks in the Morro Bay area in the past. A reprint is enclosed with this letter. The palynomorphs recovered were so bad as to be embarrassing in published form but are nevertheless quite sufficient to permit the dating which I did on the rock samples which were provided.

To make a long story short, I am quite interested in having a crack at your samples. I think we can say pretty certainly that your limestones will not be much good for palynology, though I'm quite willing to examine them for you. The calcareous siltstones are somewhat more promising, though sediments formed under originally high pH are usually not particularly good news, and secondary processes of induration which are sometimes involved where calcium carbonate was present, ~~or~~ even worse. The shales are probably the best bet, but I suppose we should look at a few of each. I will have an assistant work on part of the preparation procedures, and I will have to have some funding for that, I suppose on the basis of so much a sample to cover the cost of a little wages and supplies. I would say the thing to do is for you to send me the samples, and we can discuss the funding later. I would think a reasonable basis would be to run up all the samples you want us to tackle. The ones which are obviously barren will not take very much time to ascertain at least that fact, and I would not charge you much at all for them.

The ones which have to be processed in more detail to get residues for later study would involve a little more work. Just off the top of my head I suppose that we're looking at something like \$5 per sample or so for the least promising and maybe a couple of dollars more per sample for those which require more work.

Once again, sorry that it has taken me so long to answer your letter. Looking forward to hearing from you, I am with best wishes

Yours very truly,

Alfred Traverse  
Professor of Palynology

AT/vsi  
Enclosure: reprint

February 25, 1974

Mr. John R. Kleist  
Department of Geological Sciences  
University of Texas  
Austin, Texas 78712

Dear John:

Just a note to set your mind at rest that the samples did indeed come. I must confess, however, that they are sitting in their box unprocessed! It takes me a while to get at things sometimes but they always eventually get done. Patience! Sorry I didn't acknowledge receipt of the samples sooner.

Best wishes.

Yours very truly,

Alfred Traverse  
Professor of Palynology

AT/vsi



THE UNIVERSITY OF TEXAS AT AUSTIN  
AUSTIN, TEXAS 78712

Department of Geological Sciences  
P. O. Box 7909  
512 471-5172

Feb. 20, 1974

Dear Dr. Traverse:

Just a quick note to inquire if my samples made it to you O.K. The reason I ask is because I've lost things in the mail before, so I'm rather anxious to know if they are safe and sound.

Thank you.

Sincerely,  
John R. Kleist



THE UNIVERSITY OF TEXAS AT AUSTIN  
AUSTIN, TEXAS 78712

Department of Geological Sciences  
P. O. Box 7909  
512 471-5172

January 3, 1974

Dr. Alfred Traverse  
College of Earth and Mineral Sciences  
Palynological Laboratories  
The Pennsylvania State University  
University Park, Pennsylvania 16802

Dear Dr. Traverse:

I am a graduate student working under John Maxwell at the University of Texas. He has referred your letter of December 10 to me because I have done extensive sampling in the Coastal Belt of the Franciscan with the hope of obtaining enough datable palynomorphs to help unravel the stratigraphy.

My dissertation project is one part of a larger effort in which a number of Maxwell students have mapped a wide strip across the Northern California Coast Ranges. My own area is the westernmost part of this strip and involves approximately 260 square miles near Ft. Bragg, California. Ninety percent of the area is underlain by Coastal Belt rocks.

The thrust of my research has been threefold. First, I have inspected the nature of the Coastal Belt-melange contact in my area. Second, I have noted and measured structural styles and structures. And, third, I have collected numerous rock samples hoping to establish stratigraphic information based on lithology, degree of low-rank metamorphism, and palynology. Essentially no stratigraphic information exists on this 40,000-foot section of relatively undisturbed flysch-like rocks.

Only recently has the Coastal Belt been studied in much detail and very little published information exists. Graduate students from the University of California at Davis have reported (although not formally published) the existence of Tertiary palynomorphs in Coastal Belt rocks. Until this discovery (about two years ago) the Coastal Belt was assumed to be Late Cretaceous in age. No megafossils have ever been found in the Coastal Belt.

The discovery of Tertiary palynomorphs (perhaps as young as Early Oligocene) sheds a new dimension on the tectonic implications of the Franciscan. It is my hope that a better understanding of these younger Franciscan rocks will help to enhance insight on the later stages of the Coast Range orogeny. In addition, my pattern of sampling for palynomorphs should afford more systematic biostratigraphic information than previous scattered findings.

I am hoping to finish my dissertation by the end of this summer. Currently I have about 30 to 40 unprepared samples of calcareous siltstone, limestone, and shale that I hope contain datable palynomorphs. These are all rocks that appear to be unmetamorphosed.

Would you be interested in inspecting some of these samples? Do you have time and/or personnel to prepare samples? I have some limited funds available. If not, what is your advice on preparing them. My main interest is structural geology, so I've had no experience along these lines. You would be welcome to use the material for publication. My only interest is in a name and an age.

Help, advice, or collaboration will be greatly appreciated. I look forward to hearing from you soon.

Sincerely,

  
John R. Kleist



# JUNIATA COLLEGE

HUNTINGDON, PA. 16638

## PERMANENT ACADEMIC RECORD

STUDENT NAME:

WILLIAM KNAPP

BIRTH DATE

12/10/60

ADDRESS

2800 HAMILTON AVE  
GLENSHAW PA 15116

TERM	DEPT.	CAT.	COURSE TITLE	UNITS COMPLETED	GRADE	QUALITY POINTS
TRFR			THE IMMIGRANTS	.86		
TRFR			MODERN PUBLIC SPEAKING	.86		
TRFR			WORLD AT WAR	.86		
FA79	BI	101	BIOLOGICAL PRINS. I-FUNCT. & CONTRL	1.00	A	4.00
FA79	CH	101	PRINCIPLES OF CHEMISTRY I	1.00	A	4.00
FA79	GE	100	FRESHMAN CONFERENCE			
FA79	GE	102	FRESHMAN COMPOSITION	1.00	B	3.00
			G. P. A. - TERM	CUM	3.67	
WI79	BI	102	BIOLOG. PRINS. II-BIOTIC DIVERSITY	1.00	A	4.00
WI79	CH	102	PRINCIPLES OF CHEMISTRY II	1.00	A	4.00
WI79	GE	102	LOGIC & LANGUAGE	1.00	B	3.00
			G. P. A. - TERM	CUM	3.67	
SP80	CH	110	BASIC CHEMICAL LAB TECHNIQUES	1.00	A	4.00
SP80	MA	105	CALCULUS I	1.00	A	4.00
SP80	PY	101	INTRO. TO PSYCHOLOGY	1.00	A	4.00
			G. P. A. - TERM	CUM	3.78	
FA80	CH	201	ORGANIC CHEMISTRY I	1.00	A-	3.67
FA80	MA	104	LINEAR ALGEBRA	1.00	A	4.00
FA80	MA	201	CALCULUS II	1.00	A	4.00
			G. P. A. - TERM	CUM	3.81	
WI80	CH	202	ORGANIC CHEMISTRY II	1.00	B-	2.67
WI80	GE	204	AGE OF PROGRESS - 19TH CENTURY	1.00	B	3.00
WI80	PC	208	INTRODUCTORY PHYSICS	1.00	A	4.00
			G. P. A. - TERM	CUM	3.69	
SP81	BI	205	GENETICS	1.00	B+	3.33
SP81	PC	209	INTRODUCTORY PHYSICS	1.00	A	4.00
SP81	SO	151	INTRO TO ANTHROPOLOGY	1.00	C	2.00
			G. P. A. - TERM	CUM	3.59	
FA81	CS	100	INTRO TO COMPUTER SCIENCE	1.00	A	4.00
FA81	GR	110	GERMAN I	1.00	A	4.00
FA81	PC	212	ELECTRONICS	1.00	B	3.00
			G. P. A. - TERM	CUM	3.60	
WI81	GR	120	GERMAN II	1.00	B	3.00
WI81	MA	202	CALCULUS III	1.00	A	4.00
WI81	PC	308	ENGINEERING MECHANICS I	1.00	A	4.00
			G. P. A. - TERM	CUM	3.61	
SP82	MA	103	FINITE MATHEMATICS	1.00	A	4.00
SP82	MA	300	CALCULUS IV	1.00	A	4.00
SP82	PC	309	ENGINEERING MECHANICS II-DYNAMCS	1.00	A-	3.67
			G. P. A. - TERM	CUM	3.64	
FA82	CS	200	FORTRAN PROGRAMMING	1.00	A	4.00
FA82	MA	301	DIFFERENTIAL EQUATIONS	1.00	A	4.00
FA82	PC	213	MODERN PHYSICS	1.00	B	3.00
			G. P. A. - TERM	CUM	3.64	

STUDENT COPY  
UNOFFICIAL

UNITS TRANSFERRED  
UNITS ATTEMPTED AT JUNIATA COLLEGE

2.58  
30.00

UNITS USED IN COMPUTATION OF GRADE POINT AVERAGE  
UNITS EARNED TOWARD GRADUATION

30.00  
32.58

ACTIONS:  
DEANS LIST  
DEANS LIST  
DEANS LIST  
DEANS LIST  
DEANS LIST

2/25/81  
5/21/80  
11/22/80  
5/28/82  
11/23/82

S.S.# : 182-38-8824

LEGEND: 1 course unit equals 3.5 sem. hr. credit

Abbreviations:

In lieu of term and year: TRFR Transfer Unit  
In lieu of department and catalog number:  
AD PMT Advanced Placement  
WA REQ Waived Requirement  
In lieu of catalog number:  
INS Independent Study Unit  
TUT Tutorial Unit  
As part of unit titles: (EXAM) Credit by Examination

Grading System (GPA)

A ..... 4.00	B- ..... 2.67	D+ ..... 1.33
A- ..... 3.67	C+ ..... 2.33	D ..... 1.00
B+ ..... 3.33	C ..... 2.00	D- ..... 0.67
B ..... 3.00	C- ..... 1.67	F ..... 0.00
S Satisfactory (Equals C or above)		W Withdrawal
U Unsatisfactory		I Incomplete

Dean's List: A minimum of 3.60 for the last nine graded units.

PROGRAM OF  
EMPHASIS TITLE: PRE-MED

DEGREE CONFERRED:

DATE:

RANK:

HONORS:

AN OFFICIAL TRANSCRIPT MUST BEAR COLLEGE SEAL

JAN 04 1983

DATE

SIGNATURE

REVISED 2-82

Hunt Institute for Botanical Documentation

Delivered-To: traverse@ems.psu.edu  
 Date: Mon, 12 Jul 1999 10:50:59 -0500 (CDT)  
 Date-warning: Date header was inserted by swt.edu  
 From: gu01@swt.edu (Garland Upchurch)  
 Subject: Re: K & K horizons  
 X-Sender: mk13@swt.edu  
 To: Alfred Traverse <traverse@ems.psu.edu>

Dear Prof. Traverse,

I have checked with Spencer and a revision of the Kues and Kietzke litho. units is not going to be included in the guidebook currently in preparation. Both samples that I have sent you thus far are from unit 18. Sites in this unit have been much more intensely collected recently by the MNMNH because they are very productive insect sites. For my own use, I have subdivided this section from localities L3431 to L3433 into the Walchia-Cordaitalean layer, the nodular Neuropteris-Sphenopteridium layer, a thin layer of dispersed needles and seeds, a fairly thick barren layer (about 10 m) and then the topmost callipterid layer.

Best,

Jane Knaus

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

27 June, 1999

Ms. Jane Knaus  
Department of Biology  
Southwest Texas State University  
San Marcos, TX 78666

Dear Ms. Knaus:

Thanks for providing an address. Dr. Upchurch doesn't seem to appear in any of my membership directories-Bot. Soc., AASP..... I don't think I've ever met him, but one of my Ph. D. students, Martin Farley, frequently talked of him. I am using snail mail for this, as I don't really trust e-mail's security. I know for sure that the authorities here occasionally monitor what is going in and out electronically.

Your letter was a huge shock to me. I guess I wasn't careful enough about what I said, because I didn't realize that there was a problem between you all and Sid. He never intimated that there was. In any event, I am as innocent as a lamb. I am now a fairly old guy, and in my emeritus status I am trying to finish up some of the unfinished projects that litter what is left of my files. One of these was what my wife and I always referred to as the "Red Tank Project." About twenty years ago Sid sent me about 17 samples from various levels of what I now know is the Carrizo Arroyo locality, and over the years when time permitted I studied some of the samples in desultory fashion. A year or so ago Sid asked me to take up their study again in order to prepare a report for some sort of excursion guide, which I did. I borrowed also all the slides from my former student, Deb Willard, which she used in preparing her palynological report on the Kinney deposits. My wife and I also prepared all the rest of the original Carr. Arr. samples. The whole thing seemed very interesting, and I spent much of the last winter working on all of the slides. When I decided to attend the CBHL meeting in Albuquerque in May, I contacted Sid and suggested we visit the CA locality, as well as the Kinney, as I find it more interesting to have been to localities I am studying. Furthermore, one of the samples from CA somehow didn't have any reference to the K&K scheme, and by rotten luck it was the most clearly Permian sample of the whole 17. I wanted to try to collect a sample or two from as high up in the section as possible to see if it would agree with that puzzling sample. The rest of this is history that you

know all about.

My interest is obviously only in the palynomorphs, though I will read your results with more than amateur knowledge. After all, my very first scientific paper, written when I was only 23, was on cordaitalean megafossils.

I still hope I can work with you, as well as with Sid, though this animosity that you feel toward him makes me feel really sad. And I well remember my dear father once telling me, "Alfred, I never heard yet a dispute to which there is only one side." If you are willing, let's try to be friends and work together. At least, your brutally frank e-mail clears the air, and I will be very careful not to transcend what you think is proper in this project.

I have so far one luscious looking sample (gray siltstone-PERFECT!) from you, which we will process next month. For the record, 100 g. is enough in a pinch, though I usually like to have, say, 200 g., so there is enough for a redo or two, if needed. That's a piece about the size of large plum. Your label in the huge Ziplok bag says "matrix from Carrizo Arroyo *Neuropteris* horizon." Could you please provide the info you say in the current e-mail you have about the "precise location in the lithological units of Kues and Kietzke?"

I look forward to the additional sample you say in this e-mail that you are sending, "...from a higher horizon that is almost exclusively callipterid..." Could you also provide the key-in with the K&K scheme for that sample?

As soon as I get around to the microscopy-probably in the Fall after the Bot. Congress and AASP, etc.-I will give you my best shot at interpretation of the palynoflorules.

I didn't see any Kinney samples in Deb's preparations that I would have interpreted as Permian, though some are very late Pennsylvanian in my opinion. Indeed, some of my old preparations of Kinney stuff sent by Sid years ago are clearly NOT latest Pennsylvanian but somewhat older.

Well, that's enough for now. I hope I can somehow get along with all of you. Life is too short for unpleasantness, and-as you say- there is plenty of interesting stuff for us all to do.

Best wishes,

Alfred Traverse  
Professor Emeritus of Palynology

To: gu01@swt.edu (Garland Upchurch)  
From: Alfred Traverse <traverse@ems.psu.edu>  
Subject: Re: paly samples  
Cc:  
Bcc:  
Attached:

*Alfred Traverse*

At 04:10 PM 6/1/99 -0500, you wrote:

>Dear Dr. Traverse,  
>

>I just returned from a couple of weeks of field work. I was camped out at  
>Carrizo Arroyo from May 19 to 26. I never heard what happened with your visit  
>but we got a lot of rain and even two hail storms. If you had tried to come  
>out in anything less than the Hummer you would have assuredly gotten stuck.

AT: MAY I SUGGEST YOU GET YOUR E-MAIL SET UP WITH A SIGNATURE LINE[S]? I AM TRYING TO SET UP AN ADDRESS CARD FOR YOU AND FIND THAT YOUR MESSAGE CONTAINS NO INFO EXCEPT FOR YOUR E-MAIL ADDRESS--AND THAT BECAUSE YOU MENTIONED IT IN THE LETTER. FOR DR. UPCHURCH I HAVE HIM STILL IN DC! EVEN IF YOU DON'T WANT TO HAVE A SIGNATURE LINE, PERHAPS YOU COULD SEND ME FULL ADDRESS INFO, ETC.?

I WAS IN ALB. PRIMARILY FOR THE COUNCIL OF BOTANICAL AND HORTICULTURAL LIBRARIES. I AM VERY INTERESTED IN SUCH MATTERS, AND CBHL HAS WONDERFUL MEETINGS--I LEARNED A LOT ABOUT NEW MEXICO AND ITS FLORA! SECONDLY, I WAS VISITING MY DEAR OLD FRIEND, SID ASH AND HIS WIFE. THEY HAVE MOVED TO ALB. ON SID'S RETIREMENT. ALB. IS THEIR BIRTHPLACE. SHIRLEY IS A NAVAJO INDIAN. THIRDLY, I WAS VISITING A COUSIN OF MINE (WE BOTH HAVE ROOTS IN THE GASPE.) WHOM I'D NEVER MET. SHE WAS MARRIED TO A USGS GEOLOGIST, BRUCE DELANEY, WHO DIED LAST YEAR. FOURTHLY, I JUST DID A LITTLE PAPER WITH ASH AS CO-AUTHOR ON SOME SAMPLES FROM CARRIZO ARROYO THAT SID COLLECTED ABOUT 20 YEARS AGO, AND I WANTED TO VISIT THE TWO LOCALITIES IN THE AREA ON WHICH I HAD WORKED A LITTLE OVER THE YEARS, FROM SAMPLES SID SENT: C. A. AND KINNEY CLAY QUARRY. WE FOUND THE LATTER WITHOUT TROUBLE. SID HAD NOT BEEN TO C. A. SINCE HE COLLECTED THE SAMPLES FOR ME TWO DECADES AGO, AND WE COULD NOT FIND IT. WE HAD A FOUR-WHEEL DRIVE VEHICLE AND WERE IN NO DANGER OF GETTING STUCK. BUT THE MAP SID HAD ON WHICH DR. LUCAS HAD RED-PENCILLED A ROUTE TO THE OUTCROPS SEEMED TO BEAR LITTLE RELATION TO REALITY. WE SPENT ONE WHOLE DAY TRYING TO FIND THE PLACE. SINCE THEN SID HAS BEEN THERE WITH DON TIDWELL, AND I NOW HAVE A BOX FROM SID

WITH A BATCH OF SAMPLES THAT CAN BE CORRELATED IN POSITION WITH THE FIFTEEN LEVELS I ALREADY HAVE. WE WILL BE PROCESSING THE SAMPLES IN THE LATE SUMMER, INCLUDING THE ONE THAT YOU HAVE ALREADY SENT. IF YOU CAN SEND ANOTHER SAMPLE FROM THE AUTUNIA HORIZON, SO MUCH THE MERRIER!

PERHAPS YOU HAVEN'T DONE MUCH SAMPLING FOR PALYNOLOGY? I HOPE I AM NOT INSULTING YOU BY NOTING THAT THE BEST SAMPLES FOR US ARE GRAY SILTSTONES. WELL SORTED CLAYS AND SANDS ARE NO GOOD. RED SEDIMENTS ARE NO GOOD, AND BROWN ISN'T AS GOOD AS GRAY. COALS ARE A MIXED BAG. IF THEY ARE VITRINITIC COALS THEY ARE OFTEN BARREN. IF THEY ARE NON-VITRINITIC, THEY MAY BE PRODUCTIVE, BUT THE FLORA IS FREQUENTLY VERY LOCAL—A PALYNOBIOFACIES, TO USE THE TERM I INTRODUCED IN THE 1996 BOOK I EDITED (SEDIMENTATION OF ORGANIC PARTICLES). I HAVE ONE COAL SAMPLE FROM C. A. THAT PRODUCES A PRETTY RICH FLORA IN TERMS OF NOS. OF SPECIMENS, BUT IT IS A VERY LIMITED FLORA IN TERMS OF NOS. OF SPECIES!

SO, I LOOK FORWARD TO GETTING YOUR ADDITIONAL SAMPLE. I DON'T LIKE TO WASTE MY TIME—LIKE THE FRUITLESS DAY IN THE NEAR VICINITY OF THE C. A. LOCALITY, SO I AM HOPING THAT DR. LUCAS AND DR. ASH WILL GET TOGETHER TO FIND OUT WHAT THE CORRESPONDENCE IS BETWEEN SID'S PLETHORA OF LEVELS AND THE PLANT/INSECT HORIZONS THAT YOU AND DR. LUCAS HAVE BEEN STUDYING. ULTIMATELY THE LEVELS I WORK ON JUST MUST BE CORRELATED WITH YOUR AND THE LUCAS LEVELS.

ISN'T IT FUNNY? THE DAY YOU STARTED YOUR CAMPING AT C. A. WAS JUST THREE DAYS AFTER SID AND MY FRUSTRATING DAY OF TRYING TO FIND THE C. A. LOCALITY. IT WAS THE FIRST DAY OF THE CBHL MEETING. I SPENT THE 17TH AT THE NATURAL HISTORY MUSEUM IN ALB. AND HAD A GREAT TIME.

BEST WISHES. AL TRAVERSE.

Subject: paly samples  
 To: traverse@ems.psu.edu

Dear Dr. Traverse,

I just returned from a couple of weeks of field work. I was camped out at Carrizo Arroyo from May 19 to 26. I never heard what happened with your visit but we got a lot of rain and even two hail storms. If you had tried to come out in anything less than the Hummer you would have assuredly gotten stuck.

I assume that you were in Albuquerque for additional reasons. There is no need for you to make a special trek out to the site when I am taking megafossils out by the crate load. If you are still interested in the project, I can send you an additional sample from the *Autunia conferta* horizon. Spencer is working up a fine resolution stratigraphic study focused on marine - to brackish - to freshwater - to terrestrial sequences. Your paly analysis will fit precisely into this study based on my named plant horizons which are also the insect quarry sites.

In addition there is a coal horizon but it was badly weathered. We prepared a coal sample for cuticle with negative results. When I return to Carrizo in the fall I will budget more time for prospecting and also dig back further into the coal horizon.

I'm pleased that you continue to show interest in the project and will supply you with samples as we find new sites.

My email address is mk13@swt.edu. I often use Gary Upchurch's email account for convenience which is gu[zero]1@swt.edu.

Hope you didn't get stuck!

Best  
 Jane Knaus

Jane Knaus  
 Department of Geology  
 Southwest Texas State University  
 San Marcos, TX 78682  
 mk13@swt.edu

Subject: Re: paly samples  
To: Alfred Traverse <traverse@ems.psu.edu>

Dear Dr. Traverse,

I'm sorry that you wasted a day cruising. I don't think Sid Ash was deliberately misled. I realize that Sid Ash is an old friend, but he has done a great deal to alienate himself from the NMMNH and me. He had no business trying to run me off an outcrop that I had been specifically recruited to work on by Spencer, and who has generously placed the facilities of the museum at my disposal. The observation that Sid could not even find the outcrop reconfirms that Sid blatantly lied to me with regard to the extent of his work and time commitment to collecting the Carrizo within the last decade. Paleobotany is a small and struggling field. There is plenty of space and work for all of us. I never told Sid that he could not collect in the Carrizo. I simply asked as a professional courtesy that he not work the site that I had been actively quarrying. I'm sorry that Sid couldn't read Spencer's map. If he would like to continue to work with the support of the NMMNH, he should refrain from taking specimens from the museum collections without proper authorization.

I'm sending along a sample from a higher horizon that is almost exclusively callipterid, both *Autunia* and *Rachiphyllum*. This does not necessarily mean it is Permian, but perhaps just dryer in climate. If you are able to place the Permo-Carb boundary near this site, it would be an interesting and significant contribution.

All of the material I send you can be placed precisely within the lithological units of Kues and Kietzke. Spencer's students have recently remeasured sections between those localities that have yielded significant fossil finds. I will check with Spencer as to the most current information and forward that on to you.

I have extensively collected the flora from the locality of the last sample that I sent you. It is essentially a Kinney Brick flora impoverished of Pecopterids, Sphenophytes, and Lycophytes. This may also be because it is dryer or more distant from tidal influences, not necessarily younger. Because the Kinney Brick has a solid fusalinid age of middle Virgilian, I would take caution in interpreting a Permian age for this sample without strong supporting evidence. It is incidently a fabulous insect site as well; hence the museum's protective stance.

I am emphatically not interested in a co-authorship on your paper. I am interested in seeing the work get done competently with full co-operation and integration of biostratigraphic data.

Jane Knaus  
Department of Biology  
Southwest Texas State University  
San Marcos, TX 78666  
mk13@swt.edu

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](mailto:traverse@ems.psu.edu)

16. September 1996

Dr. E. Knobloch  
Cesky geologický ústav  
Klárov 3/131  
11300 Praha  
Czech Republic

Sehr geehrter Dr. Knobloch,

ich möchte mich für das hoch interessante Buch, "Die obereozäne Flora...Böhmen..." herzlich bedanken. Sehr gute Auskunft über alte "Freunde" aus dem Eozän Mitteleuropas. Ich habe es mit Vergnügen gelesen.

Ich werde natürlich Magda Konzalová auch schreiben, da ich Palynologe bin und sie ist seit Jahrzehnten Bekanntin.

mit besten Grüßen

Ihr

Alfred Traverse

26 August, 1986

Dr. E. Knobloch  
Geological Survey  
Malastranské Nam. 19  
CS-118 21 Praha 1  
Czechoslovakia

Dear Dr. Knobloch:

Just to let you know that I got your mailing of 25-VI-86 and am interested greatly in the projects outlined. However, because of preoccupations with unfinished projects in the Triassic-Jurassic and Devonian I cannot just now honestly promise to do anything specific for Programme 216. I do hope I can be informed of progress, however, in order to "keep my hand in."

Best wishes.

Yours very truly,

Alfred Traverse  
Professor of Palynology

AT/et

3 November, 1986

Dr. E. Knobloch  
Geological Survey  
Malostranské nám. 19  
CS-118 21  
Praha 1, Czechoslovakia

Dear Dr. Knobloch:

Thanks for the circular letter of 3 October, re the symposium for the 14 IBC. I am very flattered to be listed in such distinguished company, but as I am already giving a lecture in a program organized by Dr. Chaloner, and am also chairman of the paleobotanical poster session, I feel that I could not prepare adequately for another program. I wonder if you should not ask Dr. James A. Doyle (Department of Botany, University of California, Davis, CA 95616)?

Best wishes.

Yours very truly,

Alfred Traverse  
Professor of Palynology

AT/et

PROPOSAL NO. <b>BSR-8817662</b>	INSTITUTION <b>Harvard University</b>	PLEASE RETURN BY <b>09/23/88</b>
PRINCIPAL INVESTIGATOR <b>Andrew H. Knoll</b>		NSF PROGRAM <b>SYSTEMATIC BIOLOGY PROGRAM</b>
TITLE <b>Paleontology, Sedimentology, and Isotopic Geochemistry of the Middle Proterozoic Bangemall Group, Western Australia</b>		

Please evaluate this proposal using the criteria presented on the back of this review form. Continue on additional sheet(s) as necessary.

This is an easy proposal to review. The PI has been almost incredibly productive and his work has been of the highest quality. He has outlined the work succinctly and convincingly. His laboratory is the leading one in this sort of work, and one can be almost 100% sure that past levels of performance will be continued. The budget is from very modest to spartan - almost to the point of making Dr. Buick an indentured servant. Indeed, this is the only objection I have at all. I think it is somehow wrong for people 34 years old to still be "indentured" as post-docs in this manner.

Please include, in a separate paragraph(s), comments on the quality of the prior work described in the "Results from Prior NSF Support" section.

The quality of this "prior work" is exemplary and quantity voluminous. I don't see how more could have been expected.

OVERALL RATING:  EXCELLENT     VERY GOOD     GOOD     FAIR     POOR

REVIEWER'S SIGNATURE  
*Alfred Traverse*

REVIEWER'S NAME (TYPED)

OTHER SUGGESTED REVIEWERS (OPTIONAL)

Dr. Alfred Traverse  
Palynological Laboratories  
Pennsylvania State University

REVIEWER'S COPY

Jr. Timothy E. Lawlor  
Program Officer, Systematic Botany  
National Science Foundation  
1800 G St. N.W.  
DC 20550

Dear —

The Knorr proposal arrived as  
I was leaving for the palynological - paleobotanical  
sessions in Australia. Rather than  
leave this job until September, I have  
done the review in one bed & breakfast  
here in Honolulu. I suppose the quality  
of typing, etc., is a notch below normal.

Yours

AT  
pp

P.S. The printing is not mine.

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

21 January, 1988

Dr. Andrew H. Knoll  
The Biological Laboratories  
Harvard University  
16 Divinity Ave.  
Cambridge, MA 02138

Dear Andy:

Am having fun responding to your most provocative challenge of various points in my "arm-waver." You probably still won't like the result, but I've tried hard in rewriting passages that offended you.

One point on which you gagged was the "efficiency" of angiosperm carbohydrate production. I am sure this is correct--biomass production for dominant angiosperms is much more than for gymnosperms and pteridophytes--but how to document this? Board feet per year per hectare for Populus vs. Pinus? Bushels of corn or tons of alfalfa hay per hectare per year vs. (let's be generous) tons of Pteridium aquilinum? It would be nice to have actual data.

You caught a lot of things that I just plain blew--and I'm really grateful (e.g., you pointed out P on the "diet" list--I added K too).

Re 100% modern genera at 10 x 10 yrs.--the Miocene began 24 x 10 yrs. ago. So, of course, even as I state it, there are plenty of extinct Miocene genera. But do you know of any post-10 x 10 yrs.? You may be right, anyway, but that's the question.

Well I'm up to p. 10 in my serious re-reading of your comments, and am beginning to realize how much effort you devoted to this task. Re "living fossils" you certainly gave me a lot to think about--I admit to narrowing things a lot by considering only land tetrapods. I thought the whole question would get even more out of hand than you have correctly observed it is, if I got into marine invertebrates as well!

About "Tertiary" for "Cenozoic"--here I've been trying to go along with my old friend Berggren at WHOI. We agree that Tertiary and Quaternary must follow Primary and Secondary into limbo. Admittedly I've got a problem because of "K-T"!

"Triprojectacites" was not underlined because it is not a genus name but a turmal "group." However, if this confused you, it will others, and I've rewritten the passage.

You and Karl convince me to drop the entropy argument, though if organisms could be thought of as examples of energy flow different from that of other systems, I could imagine that animals might also be different from plants. It is admittedly rank speculation, however, as you say, and might give me bedfellows I don't want.

You have really helped me in the phrasing of many of the ideas better, and I have worked over many of the passages to eliminate things you objected to. I'm used to the "anecdotal and rambling" critique--like Charles Darwin, huh?

Re robust-walled acritarchs--I mean ones that will produce a palynoflorule by HF maceration. I have discussed this with Paul Strother until I'm blue in the face, but from the literature it still seems to be true that sporopollenin was (very?) exceptional pre-1000 MA.

Once again, many thanks for working so hard on this deal.

Yours very truly,

Alfred Traverse

P.S. Your prospective future grad student, Nan Arens, is taking my paleobotany course, and also problems-in-palynology, so is getting quite a dose of me (in the problems course we're completing a study of what microwaving does to pollen, and she's starting a palynostratigraphic study of the Wyodak mine, Wyoming).

AT/et

Yours very truly,

Alfred Traverse

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

11 January, 1988

Dr. Andrew H. Knoll  
The Biological Laboratories  
Harvard University  
16 Divinity Ave.  
Cambridge, MA 02138

Dear Andy:

Many thanks for your incredibly swift review of my small essay--I also have one back from Karl N. in the same mail. Some of your points are the same as his, tho' on the whole Karl is probably a little more tolerant of botanical arm-waving, perhaps in view of the fact that I've done very little of it during 45 years of temptation! One point I apparently didn't stress enough, because I misled both of you, is that I wanted to stick primarily to land tetrapods but couldn't help but note that marine invertebrates seem to agree with them as to extinctions, and thus I sometimes discussed both together. I would like to get into land invertebrates too (insects, arachnids, land snails, etc.), but data on the broad-stroke picture seems harder to come by. I also clearly need to be more precise about some other things, as you point out.

Anyway, I'll have a go at a revision per your and Karl's suggestions. I'd like to acknowledge your help, of course, but I'll stress that you don't necessarily approve of any of it and are in no case to be blamed for too high a reading of E. coli in the result.

Finding time for revision is going to be complicated by the fact that I'm reviving the paleobotany course here this semester (in addition to historical geology and advanced palynology). I've had no connection with such a course since the one at Harvard in 1947. (ESB was the prof, of course; W. Spackman was the lab teacher--I succeeded him and had Jane Gray in my first class, in 1949.) On the other hand, I never had a palynology course.

Thanks again and all the best.

Yours very truly,

Alfred Traverse

AT/et

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

30 May, 1987  
16 November, 1987

Dr. Andrew H. Knoll  
Dr. Andrew H. Knoll  
The Biological Laboratories  
Harvard University  
16 Divinity Ave.  
Cambridge, MA 02138

Dear Andy:  
Dear Andy:

At the Berlin Congress I gave a paper on some ideas I've had about plant evolution vis à vis animal evolution. I discovered while preparing the paper that you, Bruce Tiffney, and Karl Niklas had published in more complete form most of my musings, though I still thought my mix of them was slightly original. I wrote you (I think--or did I just think I wrote?) at the time asking you if you'd look at the MS.

I had a slide made from a very slightly modified version of Knoll 1984, Fig. 12, p. 48, for the oral presentation. Now Bill Chaloner, Peter Crane, and a few other kindly souls have encouraged me to have the paper published. Question: do you object to my using the ~~above~~mentioned figure, with due credit, of course? I'll have to write U. Chicago too, but with your o.k. it would probably be more-or-less automatic.

Thanks for reading. Best wishes.

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  
(814)863-3419 or (814)865-6393

20 May, 1987

Dr. Andrew H. Knoll  
The Biological Laboratories  
Harvard University  
16 Divinity Ave.  
Cambridge, MA 02138

Dear Andy:

Just finished reading your marvellous paper with Karl in the ESB volume oof RPP.

Some time ago Bill Chaloner asked me to give a talk at the Berlin I.B. Congress in July on some of my simple-minded ideas on plant vs. animal evolution. I note with understandable dismay that on p. 145, no. (5), you in two succinct sentences say most of what I will say in more extended fashion in Berlin. Perhaps if Bill or somebody else encourages me, I'll write it up for publication, in which case I'd appreciate your reading it. In the meantime, I wanted you to know that I didn't just crib the notion out of K&N, which I will now of course cite!

That was sure a great bunch of papers. Congratulations to you, as editor and author.

Yours very truly,

Alfred Traverse  
Professor of Palynology

AT/et

19 January, 1987

Dr. Andrew H. Knoll  
The Biological Laboratories, Harvard University  
16 Divinity Ave.  
Cambridge, MA 02138

Dear Andy:

In the course of making some illustrations for my evolution lectures from your most useful 1986 paper in "Community Ecology" ("Patterns... Time"), I noted ~~that~~ you switched the symbols for Permian and Pennsylvanian in all the Figs. It's no big deal, but if you haven't already discovered this, I thought you might wish to fix it up in future uses of the figures.

Best for 1987!

Yours very truly,

Alfred Traverse  
Professor of Palynology

AT/et

PROPOSAL NO. <b>BSR-8814328</b>	INSTITUTION <b>Harvard University</b>	PLEASE RETURN BY <b>09/23/85</b>
PRINCIPAL INVESTIGATOR <b>Andrew H. Knoll</b>		NSF PROGRAM <b>SYSTEMATIC BIOLOGY PROGRAM</b>
TITLE <b>Paleobiology and Biostratigraphy of Some Proterozoic Microfossil Assemblages</b>		

Please evaluate this proposal using the criteria presented on the back of this review form. Continue on additional sheet(s) as necessary.

Professor Knoll is an outstanding young scientist in every way. He has made a place for himself and paleobotany at Harvard in a very short time. The place is remarkable in its production of good research and good students. The things Dr. Knoll proposes doing are proven winners, and all of it is almost guaranteed to be worthwhile. For all that, I have problems with this proposal as such. I gather that the three-year grant is here to stay (the three proposals I'm reviewing this week are all for three years). It surely saves on proposal-writing (and reviewing'). But I really question whether these omnibus proposals should be encouraged. In the present instance, I object to the post-doc from Australia being shoehorned into this proposal—that should be a separate proposal, as Buick's presence at Harvard (Knoll candidly admits as much—pp. 12-13) is not directly related to the main projects, nor is his presence required for Knoll to do the work proposed. Furthermore, the Greenland work and the Australian work should themselves probably be the subject of two separate proposals. Considering what is proposed, the budget is very modest—indeed if three separate proposals were prepared, the total per year would likely be greater. For example, the stipend for Dr. Buick is inadequate and unrealistic, and a separate post-doc proposal would ask for more. Nevertheless, I don't think it's fair to present NSF and reviewers with a package of two quite disparate projects, and a post-doc proposal as a three-year take-it, or leave-it package. How can a reviewer express his opinion? Each of the two sub-proposals is "excellent", but I object to the way this was handled and, if I were the Systematic Biology Program, I would agree to fund the more critical sub-proposal, for the work in Australia for two years, minus the post-doc. A separate proposal for the Greenland work, also for two years could also be prepared. The graduate student should be assigned to one to one or the other project and his-her role made more clear.

OVERALL RATING:  EXCELLENT  VERY GOOD  GOOD  FAIR  POOR

REVIEWER'S SIGNATURE (but see comments)

REVIEWER'S NAME (TYPED)

**Alfred Traverse**

OTHER SUGGESTED REVIEWERS (OPTIONAL)

Dr. Alfred Traverse  
Palynological Laboratories  
Pennsylvania State University

REVIEWER'S COPY

8 April, 1985

Dr. Andrew H. Knoll  
The Biological Laboratories  
Harvard University  
16 Divinity Ave.  
Cambridge, MA 02138

Dear Andy:

Thanks for the clarifications. Ideally it is probably desirable for such things to be self-explanatory, without much if any recourse to other literature. (I especially have trouble with cladistics papers using all sorts of in-language and assuming that one is well versed in Henninger, etc.) You were kind to take time for such a complete answer.

Yours very truly,

Alfred Traverse  
Professor of Palynology

AT/et

HARVARD UNIVERSITY  
THE BIOLOGICAL LABORATORIES

*V with article*  
16 DIVINITY AVENUE  
CAMBRIDGE, MASSACHUSETTS 02138



March 25, 1985

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

Dear Al,

Sorry that Figs 4 & 5 of our recent Paleobiology were unclear to you. These graphs were prepared in light of arguments made by Sepkoski (1978, Paleobiology 4: 223-251) concerning the expected relationships among standing diversity, rate of origination, and rate of extinction in his kinetic model. Basically Sepkoski argued (for animals) that, if per taxon rates of origination are constant or a decreasing function of diversity, then total rates of origination should initially increase as diversity does. However, as "niche space" begins to get crowded, origination rates should slow down and eventually decrease as taxonomic richness continues to increase -- the resulting plot of origination rates vs. standing diversity should be a parabola. Extinctions, on the other hand, should show increasing rates as diversity rises. (This stuff comes straight out of population biology demographic models.) To a first approximation, both plants and animals show the expected patterns.

Perhaps the diversity levels assigned to each stage confused you. Following Jack Sepkoski's advice I calculated stage standing diversity as the geometric mean of diversity at the beginning and end of each stage (p. 37).

$$D_{\text{standing}} = \sqrt{D_{\text{start}} \times D_{\text{end}}}$$

I hope these comments help clarify the figures. I recommend Sepkoski (1978) as background reading.

Best regards,

Andrew H. Knoll  
Associate Professor

AHK:e1b

18 March, 1985

Dr. Andrew H. Knoll  
Harvard University  
The Biological Laboratories  
16 Divinity Ave.  
Cambridge, MA 02138

Dear Andy:

Many thanks for the batch of reprints on plant evolution and extinction and various Precambrian matters. All of great interest. I have had some trouble understanding Figs. 4 & 5 in Knoll et al. (Paleobiology)--very important to me. Maybe when you get a minute, you could jot a few lines of additional explanation, perhaps scribbled on a xerox of page 38?

Best wishes.

Yours very truly,

Alfred Traverse  
Professor of Palynology

AT/et

24 October, 1984

Dr. Andrew H. Knoll  
Harvard University Biological Laboratories  
16 Divinity Ave.  
Cambridge, MA 02138

Dear Andy:

Thanks again for lending me this.

Best wishes.

Yours very truly,

Alfred Traverse  
Professor of Palynology

AG/et  
encl: picture of ESB

HARVARD UNIVERSITY  
THE BIOLOGICAL LABORATORIES



16 DIVINITY AVENUE  
CAMBRIDGE, MASSACHUSETTS 02138  
10 October 1984

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

Dear Al,

I am writing to thank you for your generous contribution to the Elso S. Barghoorn Memorial Fund. We hope that as the fund grows, it will enable students to pursue field research on those subjects close to Elso's heart. Sorry I didn't see you in Alberta -- I guess I got "meetinged out" before the palynological congress began.

Again, your contribution to the E.S.B. Fund is greatly appreciated.

Best regards,

Andrew H. Knoll  
Associate Professor

P.S. If you have no use for the photograph of Elso, I would appreciate its return.

smr/ahk

25 September, 1984

Dr. Andrew H. Knoll  
The Biological Laboratories  
Harvard University  
16 Divinity Ave.  
Cambridge, MA 02138

Dear Andy:

Can't remember whether I already contributed to the ESB fund. Here's a check in any case. Wish it could be more. (IOP Newsletter reminded me).

I was rather upset with what AASP Newsletter did to my article. First, they used only one picture, and didn't associate even that with the article--the two very different photos were supposed to balance each other and to illustrate two aspects of the man. Second, they left out my annotated, selected bibliography--based on what you sent me--and it was intended to dramatize what he had accomplished. Third, they botched the article itself, and introduced many typos which I was given no chance to catch. It was pretty high-handed. Oh well. (I assume you didn't want the unused print back?)

All the best.

Yours very truly,

AlfredcTraverse  
Professor of Palynology

AT/et  
encl: check

18 May, 1984

Dr. Andrew H. Knoll  
The Biological Laboratories  
Harvard University  
16 Divinity Ave.  
Cambridge, MA 02138

Dear Andy:

Could you let me have from the collections:

1. A small chunk of Fig Tree chert (or other chert of more or less that age) from which I can have thin sections made that might have microfossils students could look at?
2. A small chunk of Gunflint chert, for same purpose ( I had a piece from Elso, but none of the sections I had made show much).
3. A similar chunk of chert from late PG that might be productive in the same manner.

If you can help, I'd appreciate it.

All the best.

Yours very truly,

Alfred Traverse  
Professor of Palynology

AT/et

2 May, 1984

Dr. Andrew H. Knoll  
The Biological Laboratories  
Harvard University  
16 Divinity Ave.  
Cambridge, MA 02138

Dear Andy:

Well, I read your recently arrived batch of papers while on the train from NY to Boston. Lots of fun. For my own teaching purposes, the "Proterozoic Plankton" paper by you and Vidal is especially helpful. (I must admit that at first glance the expression "megascopic acritarch" shook me up!)

Best wishes.

Yours very truly,

Alfred Traverse  
Professor of Palynology

AT/et

2 April, 1984

Dr. Andrew H. Knoll  
The Biological Laboratories  
Harvard University  
16 Divinity Ave.  
Cambridge, MA 02138

Dear Andy:

Thanks for the photo. I gather that is is not necessary to return it.

I hope someone will tape-record the service on 25-IV--that's an interesting assortment of folks. The last such that Bill S. and I took part in was his father's. It will be hard to stay under 10 minutes, but I'll do it.

The directions seem fine. If unaccountably I get there too soon (you mentioned 6-ish), I'll read in the car or something! I've already pulled one faux pas about staying wity you. You said (I thought) I'd be rooming with "Leo". I jumped to the conclusion you meant Hickey, but he straightened me out when I called him on another matter!

See you.

Yours very truly,

Alfred Traverse  
Professor of Palynology

AT/et

HARVARD UNIVERSITY  
THE BIOLOGICAL LABORATORIES



16 DIVINITY AVENUE  
CAMBRIDGE, MASSACHUSETTS 02138

21 March 1984

Dr. Alfred Traverse  
Professor of Palynology  
College of Earth and Mineral Sciences  
The Pennsylvania State University  
Deike Building  
University Park, PA 16802

Dear Al,

Enclosed is a photo of Elso taken in 1965, courtesy of the Harvard Gazette. I think it's a good picture.

I'm glad that you'll be able to participate in the memorial service on April 25. As I mentioned over the phone, the format is a secular, no-frills succession of speakers who will reminisce on what Elso meant to them. The speakers (in order of appearance are: me, Dick Schultes, you, Dick Young (NASA), Bill Schopf, Lynn Margulis, and Bruce Tiffney. 5 to 10 minutes is the right time frame.

I am enclosing directions on how to reach our house. Good luck!

Best regards,

Andrew H. Knoll,  
Associate Professor

Enclosures: Photo  
Directions

smr/AHK

ANDY and MARSHA KNOLL  
322 WAVERLEY STREET  
BELMONT, MA 02178

Phone:(617) 484-1311

For folks coming from the west:

1. Exit Massachusetts Turnpike at Exit 14, Route 128 (95) North Shore.
2. Go north on Route 128 (toward New Hampshire, North Shore) about 7 miles until you reach Route 2 (Exit 46).
3. Take Exit 46, Route 2 east to Cambridge.
4. After about 6 miles, take the exit marked Route 60 (Pleasant Street), Belmont Center.
5. Turn into the exit. This is an access road as well as an exit. Watch out for fast moving cars on your right.
6. Take the exit to the light and turn right onto Pleasant Street (Rte. 60).
7. Proceed 0.6 mile to second light. Turn left onto Leonard Street. Proceed along Leonard Street through Belmont Center and under a railroad bridge.
8. Immediately past the bridge turn right (but not hard right) onto Common Street and follow it as it curves left. (Watch out for Boston drivers at the turn.)
9. At the next crossroads, there is a light with a Catholic Church on the far corner. Turn right onto Waverley Street. We are the fourth house on the right. A white colonial on the crest of the hill.

If you are coming from Cambridge, its much easier.

1. Find Star Market/ Mt. Auburn Cemetery.
2. Proceed west along Mt. Auburn Street; just past Star Market the road splits. Take the right fork (Belmont Street).
3. Proceed along Belmont Street. After 1.3 miles the road forks again. Again take the right fork (Trapelo Road) into Cushing Square. At crazy intersection turn right on large street (not hard right on small street) - you should be on Common Street.
4. Go about 0.8 mile on Common Street until you come to a light at the Catholic Church.
5. Go left onto Waverly Street. We are the fourth house on the right. A white colonial at the crest of the hill.

By bus from Harvard Square

Take Bus 73 (Waverley) from the Common and get off at Cashing Square. Then follow directions as above from #3. (10 minute walk).

OR

Take Bus 74 (Belmont Center) from Flagstaff Park and get off at the railroad bridge just before Belmont Center. Follow directions as above from #8 (6 minute walk). Watch out crossing Concord Ave.

31 October, 1983

Dr. Andrew H. Knoll  
The Biological Laboratories  
Harvard University  
16 Divinity Ave.  
Cambridge, MA 02138

Dear Andy:

Many thanks for the big batch of reprints. You are certainly mega-productive. The Ryasb Fm. paper reminds me to ask you what you think of Diver & Peat's cryptarch-acritarch distinction. Personally, I would favor a distinction based on presence or absence of "sporopollenin" (quotation marks unscored). Diver & Peat's sphaeromorphs, however, include the sporopolleninous ones. The Nature '82 paper (which I had missed previously) reminds me once again to raise an issue of interest to me that never seems to be directly addressed: when did "sporopollenin" first appear--i.e., when did maceratable acritarchs come in? If "robust walled" forms in the Belt are "it", the next question is, when did they become reasonably abundant?

Best wishes.

Yours very truly,

Alfred Traverse  
Professor of Palynology

AT/et

9 May, 1983

Dr. Andrew H. Knoll  
The Biological Laboratories  
Harvard University  
16 Divinity Ave.  
Cambridge, MA 02138

Dear Andy:

Thanks for yours of 28 April. It's good to know you can spare some PG slides--I'll reciprocate as soon as possible--I gather you'd probably like an assortment, Silurian to Neogene? Or would you rather have, say, all Triassic?

Yes, the late PG and Cambrian materials would be useful. The shales would be for maceration for acritarchs and the cherts for Thin-sections, right?

Good to hear from you.

Yours very truly,

Alfred Traverse  
Professor of Palynology

AT/et

HARVARD UNIVERSITY  
THE BIOLOGICAL LABORATORIES



16 DIVINITY AVENUE  
CAMBRIDGE, MASSACHUSETTS 02138

April 28, 1983

Dr. Alfred Traverse  
Professor of Palynology  
College of Earth and Mineral Sciences  
The Pennsylvania State University  
Deike Building  
University Park, Pennsylvania 16802

Dear Al,

Sorry to be so long in answering your letter of 31 March, but it arrived while I was in Australia sampling drill cores for Precambrian and Cambrian shales. Seems I'm becoming more and more of a palynologist in my old age.

Thanks for your reprints which I enjoyed greatly. I would be quite glad to trade slides of Precambrian bugs for those of younger palynomorphs. I'll send you a set of about a dozen good ones as soon as possible. (I'll be out of town for a week, beginning tonight, so it will be a few days before I can assemble the slides).

Don't really have much spare African material that would be guaranteed to be fossiliferous, but can supply samples of late Precambrian and Cambrian cherts and shales from Svalbard if you're interested.

Saw in a recent Allen and Unwin flyer that you're writing a paleopalynology text. That's great news - looking forward to reading it.

Best regards,

Andrew H. Knoll  
Associate Professor

AHK:elb

31 March, 1983

Dr. Andrew H. Knoll'  
The Biological Laboratories  
16 Divinity Ave.  
Cambridge, MA 02138

Dear Andy:

Many thanks for the exciting bundle of reprints. Some of the papers I'd read before in the journals I get. Others were quite new-- for example yours with Vidal, which I have immediately integrated into my evolution lectures.

The paper with Golubic will also produce a couple of teaching slides for the evolution course, which reminds me--do you have any color slides of plates from these various papers or similar to ~~ahh~~? I have a batch I got from Bill Schopf years ago--one, for example, is all about his "tetrads" and "P<sub>6</sub> sex", I would be more than willing to trade, if, say Triassic or Silurian palynomorphs would interest.

Also--do you have any small pieces of African stuff (Fig Tree, etc.) that our technician could turn into study slides for students? Mine have always come up barren.

Best regards.

Alfred Traverse  
Professor of Palynology

AT/et

8 February, 1983

Dr. Andrew H. Knoll  
The Biological Laboratories  
Harvard University  
16 Divinity Ave.  
Cambridge, MA 02138

Dear Andy:

Yours of 5 January came while Betty and I were on a tour of Germany (I was giving a series of lectures), hence the delay in answering.

Of course, a copy of the Alcheringa paper is on its way to you, as well as copies of everything else now available. Actually, I was somewhat stunned to learn that I didn't have a card for you in the appropriate "automatic" file. That has now been taken care of.

Yes, by all means send me what's available about your research--I give lectures in the evolution course about PC, and our Ordovician-Silurian research has tie-ins with the PC too.

Perhaps this is a good place to tell you how pleased I was that you are at the place where I started out (at age 17)--I had written Dr. Rosovsky urging that the paleobotany post be kept for paleobotany. Presumably others also wrote, and perhaps it was unnecessary anyway, but it couldn't have hurt. I spent a couple of summers working with the fossil plant collections (\$1.25/hr., as I recall), and remember them with awe and respect!

All the best.

Yours very truly,

Alfred Traverse  
Professor of Palynology

AT/et

HARVARD UNIVERSITY  
THE BIOLOGICAL LABORATORIES



16 DIVINITY AVENUE  
CAMBRIDGE, MASSACHUSETTS 02138

January 5, 1983

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

Dear Al,

I would appreciate a reprint of your recent paper entitled "Response of world vegetation to Neogene tectonic and climatic events" which appeared in Alcheringa 6: 197-210. I'd be equally glad for copies of any of your other papers that might be available. If you have any interest in any of my ramblings about the Precambrian, I'd be glad to send a batch down Pennsylvania way.

Thanks very much.

Sincerely,

Andrew H. Knoll  
Associate Professor

AHK:e1b

PROPOSAL NO. DEB-8213682	INSTITUTION HARVARD UNIVERSITY	PLEASE RETURN BY
PRINCIPAL INVESTIGATOR KNOLL ANDREW H		NSF PROGRAM SYSTEMATIC BIOLOGY PROGRAM

TITLE  
PALEOBIOLOGY AND BIOSTRATIGRAPHY OF LATE PRECAMBRIAN  
MICROFOSSIL ASSEMBLAGES (ENVIRONMENTAL BIOLOGY)

COMMENTS (CONTINUE ON ADDITIONAL SHEET(S) AS NECESSARY)  
QUALITY OF THE PROPOSED RESEARCH (INCLUDING BUDGET AND INSTITUTIONAL CAPABILITY):

Not often do I review a proposal and find that my comments can only be almost 100% positive. Dr. Knoll's projected research would be almost unbelievably wide-ranging in area and staggering in quantity, were it not for the fact (see below) that he has already been almost unbelievably productive! Harvard's facilities are great, and Dr. Knoll will be operating in one of the most stimulating of research environments. He has eloquently outlined the things he wants to do and why they are important and do-able. What can one say other than that he surely should be funded if it's at all possible. Considering the funds shortage these days, however, I would think the requested post-doc for years 2-3 ought to be negotiable. With overhead, that's more than \$41,000. Furthermore he apparently has nobody in particular in mind. On the other hand, I wonder that no graduate-student assistantships are sought.

RECENT RESEARCH ACHIEVEMENTS OF THE PRINCIPAL INVESTIGATOR(S):  
Professor Knoll's productivity has been superb--almost unbelievable for one so young and presumably at Oberlin with plenty of teaching load. Furthermore, the work has been of excellent quality and in some respects very innovative.

OVERALL RATING:  EXCELLENT     VERY GOOD     GOOD     FAIR     POOR

Verbatim but anonymous copies of reviews will be sent only to the principal investigator/project director. Subject to this NSF policy and applicable laws, including the Freedom of Information Act, 5 USC 552 and formal requests from Chairpersons of Congressional committees having responsibility for NSF, reviewers' comments will be given maximum protection from disclosure.

REVIEWER'S SIGNATURE <i>Alfred Traverse</i>	REVIEWER'S NAME (TYPED) Alfred Traverse
OTHER SUGGESTED REVIEWERS (OPTIONAL) Dr. Francis Hueber Curator, Division of Paleobotany Smithsonian Institution Washington, DC 20560	

October 8, 1969

Mr. Arthur S. Knox  
U.S. Geological Survey  
Washington, D.C. 20242

Dear Mr. Knox:

Thank you for the copy of "Glacial age marsh, Lafayette Park Washington, D.C." I saw the article in Science when it appeared and found it very interesting as an example of a palynological problem that impinges on things which are of importance and interest to folks who couldn't care less about pollen and spores. Did you get a brochure about the forthcoming palynological convention at Penn State? In case you didn't, I enclose one.

Best wishes.

Yours very truly,

Alfred Traverse  
Associate Professor of Geology  
and Biology

AT:kc

Enclosure: brochure

*Permanized*

PARCHMENT

100% COTTON FIBER

*With kind regards-*

MRS ELIZABETH M. KNOX, M.A., D.Sc.

43 DALHOUSIE TERRACE,  
EDINBURGH, 10.

*J.T.O.*

April 15, 1958


Dr. Elizabeth M. Knox  
43 Dalhousie Terrace  
Edinburgh 10, Scotland  
Great Britain

Dear Dr. Knox:

In connection with my research in palynology, I would very much like to have available a copy of your interesting monograph, "The spores of Lycopodium, Phylloglossum, Selaginella, and Isoetes, and their value in the study of microfossils of Palaeozoic age," 1950. I realize that this is rather a long and expensive thing to ask a reprint. Could you tell me where one may be purchased?

My own papers are primarily on Tertiary material (Dr. J. B. Simpson knows me), and I presume would be of limited interest to you. I would be glad to send reprints if you like, however.

Yours very truly,

  
Alfred Traverse

AT/mg

Shell Development Company  
Exploration and Production Research Division

The American Bryological Society

THE BRYOLOGIST (EST. 1898)

1 February 1959

Mr. Alfred Traverse

Dear Mr. Traverse,

I have finally looked at the mosses collected by you in California and have made the following determinations.

Your number: name

- 506 *Orthodicranum strictum* Roth. Broth.  
510 *Isothecium* (*Pseudisothecium*) *stoloniferum* Hook.  
511 *Audacomnium androgynum* (H.) Schwaegr.  
512 *Dicranum fuscescens* Smith  
513 *Hypnum circinale* Hook.

It is always a pleasure to examine mosses from California because of my many years of residence there and also because most of those mosses seem to me to be "old friends."

Of course, there are many nomenclatural problems concerning mosses found in California as there are anywhere.

At this time of year I can only wish that I were in California with the mosses.

Sincerely,

Leo F. Koch

P.S. #506 is supposedly from Range County  
I know of no "Range" County in California!  
Can you correct this for me?

# The American Bryological Society

THE BRYOLOGIST (EST. 1898)

16 October 1958

Mr. Alfred Traverse  
3737 Bellaire Boulevard  
Houston 25, Texas

Dear Mr. Traverse

There are two exchanges provided by the American Bryological Society for its members: one for hepatics or liverworts and the ~~other~~ other for mosses. I am director of the Hepatic Exchange and Dr. E. H. Ketchledge is director of the Moss Exchange. You will find his address on the back cover of The Bryologist.

Dues for the Hepatic Exchange are 25 ¢ per year. A copy of the Rules governing the exchange is enclosed.

Yes, I am always interested in collections of mosses from California and can probably name a few specimens without too great difficulty unless they happen to be specimens of one or two particular genera such as Bryum which I have not as yet mastered.

If you are not already a member of the American Bryological Society, Mrs. Whitehouse or I can send in your name.

Sincerely,

  
Leo F. Koch

Leo Francis Koch, Director Hepatic Exchange  
American Bryological Society  
207 Harker Hall, Univ. Ill.  
Urbana, Ill.

Hoffman Laboratory  
Department of  
Geological Sciences  
Harvard University  
Cambridge, Mass. 02138

Dear Sir:

Please send me a reprint of your paper

PALYNOLOGY OF THE SURFACE SEDIMENTS OF GREAT BAHAMA  
BANK, AS RELATED TO WATER MOVEMENT + SEDIMENTATION,

which appeared in MARINE GEOLOGY

(ELSEVIER) vol. 4 no. 6,

if you have extra copies available.

Thank you very much.

Yours truly,

*W. Jerry Koch*

W. Jerry Koch

19-5-77

-2-  
would depend on whether +  
could be released from other teaching  
duties

yes

I have been asked to write a letter to ask whether in principle you would be willing and able to teach a course in the history of your discipline, under the assumption that your department will be able to schedule such a course at regular intervals. We believe that a course of this kind should be scheduled at the 400 level so that it can be taken by both graduate and older undergraduate students. We have reasons to believe that such a course will draw a limited number of students from other departments, in addition to students from your own department.

We would appreciate very much your sending to me names of colleagues who in your opinion would also be qualified to teach a similar course from time to time. I am looking forward to your reply.

Meanwhile, with very best wishes and

Cordial greetings,

*Joseph J. Kockelmans*

Joseph J. Kockelmans  
Director

JJK/mc

area: palynology & paleobotany

"History of phyt-paleontology"

file

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  
23. Oktober 1994

Frau Juliana Köhler  
Herrn Dr. Kurt Goth  
Freiburger Straße 22  
09623 Frauenstein, Deutschland

Liebe Kollegin, lieber Kollege,

Ihr guter Brief vom 10.X.94 hat mir sehr gefallen. Wir sind in letzter Zeit zweimal auf Reisen gewesen und sind daher ein bisschen im Verzug geraten. Es ist allerdings jetzt Sonntag morgen, und ich habe Gelegenheit der Korrespondenz ein paar Stunden zu widmen.

Nur Herr Goth hat den Brief unterschrieben, aber der Umschlag enthält nur Frau Köhlers Name. Ich werde versuchen zu erraten, wer eigentlich den Brief geschrieben hat. Hmm. [später--ich habe es enträtselt--im dritten Absatz ist es klar--in Bayern usw. usw.]

Wir haben Ende Septembers zwei Wochen in Spanien verbracht, weil ich eingeladen bin, für APLE in Valencia eine Festrede zu halten. Viel Spaß. Ich lege eine Kopie des Vortrags bei. Dann mußten wir letzte Woche die Adirondacksbergen besuchen, um die notwendigen Herbstsachen für unser Haus zu erledigen. Die Jahreszeit war dieses Jahr ein bisschen spät, und die Blätterfarben sind daher prima gewesen. Acer saccharum ist immer besonders schön--hellrot. Fagus ist meistens sehr gelb, und andere Gattungen sind braun und orange, und die Aussicht ist alles zusammen herrlich gewesen.

Es ist interessant auch Ihre Reiseerlebnisse aus Ihrem Brief zu erfahren. Wir haben einen Freund in Stuttgart der oft botanische Exkursionen in den kanarischen Inseln führt und wir hoffen eines Tages daher Ihre Reise zu wiederholen.

Das Maar bei Manderscheid war mir neu, obwohl ich von Herrn Wilde von anderen Maaaren gehört habe.

Die Tagung in Ischia war zweifellos interessant. Das Wort "Ischia" ist oft in den deutschen Kreuzworträtseln die ich jede Woche löse zu finden. Wir haben eine alte gerahmte Landkarte von Ischia, die wir von Bettys Großeltern geerbt haben, in der Küche aufgehängt. Es ist besonders interessant, da Norden unten und Süden oben, Westen rechts und Osten links ist, mit einer Erklärung auf lateinisch.

Fladungen müssen wir unbedingt besuchen. Bettys Fachgebiet ist Mittelalter. Mit der Dissertation ist sie jetzt fast fertig (sie untersucht Neidhart), und sie hat schon einen Verlag gefunden der das Buch pulizieren will. Sie hält nächste Woche an der Princeton Universität einen Vortrag über ein mittelalterliches Thema das ich kaum verstehe. Ich muß auch freilich zugeben, daß ihre Lektüre aus den Manuskripten mir ganz und gar unverständlich sind--verschiedene Arten von Mittelhochdeutsch.

Wie Sie vorhergesagt haben, ist die deutsche Superwahl jetzt Geschichte. Wenn ich Deutsche wäre, würde ich wahrscheinlich Grüne/Bündnis 90 wählen aber mit der Hoffnung, daß sie nicht ZU erfolgreich werden! Das ist schwierig zu erklären. Wir abonnieren "die nordamerikanische Wochenpost," die die Nachrichten aus Deutschland gut berichtet, aber Ihre Auschnitte aus den echten deutschen Zeitungen würden mir auch sehr gefallen. (Als ich Kind in Michigan war gab es vier tägliche deutsche Zeitungen in der Umgebung--zum Beispiel die Chicago Abendpost. Alle haben sich vor Jahren vereinigt und die nachfolgende Zeitung --NAWP--erscheint nur wochentlich und droht obendrein immer zu sterben. Späteste Todesahnung ist, daß sie vor ein paar Monaten eine "englische Beilage" jede Woche einzuschließen angefangen haben. Ich habe geklagt, aber sie haben mich bekannt gegeben, daß verschiedene Leser von deutscher Herkunft großes Interesse an der alten Heimat haben aber fast kein Wort Deutsch können.)

Jetzt muß ich diesen Brief beenden bevor ich Sie zu viel langweilen. Es gibt jedoch etwas mehr, ein bisschen Geschäft! Erinnern Sie sich an Herrn Prasad aus Dehra Dun? Ich lege eine Kopie einen Brief von ihm bei, den er zusammen mit einem verbesserten Brief mir zugeschickt hat. Was möchten Sie, daß ich jetzt tun sollte?

Mit besten Grüßen verbleibe ich

Ihr

Alfred Traverse

Anlage: Xeroxkopie von Prasads Brief; Sonderabdrücke

Juliana Köhler  
Kurt Goth  
Freiberger Straße 22  
09623 FRAUENSTEIN

10. Oktober 1994

Prof. Dr. A. Traverse  
The Pennsylvania State University  
Department of Geosciences  
Palynological Laboratories  
435 Deike Building  
UNIVERSITY PARK  
PA 16802, USA

Lieber Herr Prof. Traverse!

Endlich erhalten Sie den lang versprochenen Erzählbrief der Goth/Köhler Verquickung. In Ansätzen befindet er sich bereits geraume Zeit abgespeichert im PC. Nur zum Fertigschreiben fehlte die Muse. Der gesammte Sommer war - wie bei Geologen üblich - sehr, sehr hektisch. Viel Geländearbeit, Exkursionen, Tagungen und zum ersten Mal ein richtiger Urlaub: 3 Wochen La Palma [ein paar Exkursionen haben wir dort aber auch gemacht!].

Für uns war es das Jahr des Vulkanismus. Das war nicht geplant, es hat sich durch viele einzelne Zufälle so ergeben. Den Anfang machte bereits im Februar ein Arbeitstreffen bzw. eine kleine Tagung in der Eifel: Thema war das eozäne Maar bei Manderscheid, das mit einer Art "Messeler Ölschiefer" verfüllt wurde. Das Gestein ist wirklich sehr ähnlich ausgebildet. Wegen der gut erhaltenen Fossilien wird vom Landesmuseum in Mainz seit Jahren dort gegraben.

Dann folgte die IAS-Tagung in Ischia. Zusammen mit einem sehr netten Kollegen (Peter Suhr) hier vom Sächsischen Survey sind wir zu Dritt in Peters Mercedes bis nach Neapel gefahren. Vor der eigentlichen Tagung konnten wir an einer zweitägigen Exkursion nach Pompeij und Herkulaneum teilnehmen, auf der der historische Ausbruch unter vulkanologischen und archäologischen Aspekten beleuchtet wurde. Besonders eindrucksvoll war die Begehung des verschütteten und in weiten Teilen nun wieder zugänglichen Amphitheaters unter dem heutigen Herkulaneum und der Besuch im für Touristen nicht zugänglichen Teil von Pompeij. Juliana kannte vieles schon, aber für mich war alles neu, da ich zum ersten Mal in dieser Gegend war. Als alter Lateiner (in Bayern hatte man zu meiner Schulzeit ab der ersten Klasse Gymnasium Latei zu lernen!) schwelgte ich in Kindheitserinnerungen. Viel Mosaik kannte ich als Abbildungen in unseren Lateilehrbüchern, längst verschüttete Wörter fielen mir wieder ein usw.

Bei Juliana wird die Überfahrt von Neapel nach Ischia besonders lange im Gedächtnis bleiben. Das Boot fuhr bei rauher See so schnell, daß es die Schaukelbewegungen des Meeres nicht mitmachte, sondern richtig in die Wellen hineinbrach. Ich glaube alle Passagiere waren froh, als wir nach etwa einer Stunde den Hafen von Ischia erreicht hatten. Das dreitägige Programm der Tagung war so dicht (vier Parallelsitzungen), daß wir von der Insel selbst nicht viel gesehen haben, zumal wir das Auto in einer Garage in Neapel zurückgelassen hatten. Nur einen Nachmittag schwänzten wir die Vortragsitzungen, um uns wenigstens die Burg am Hafen anzusehen. Während der Rückfahrt besuchten wir noch Pisa und die Steinbrüche von Carrara.

Im Juni konnte ich dann an einer Exkursion in die Eifel zum jüngsten Vulkanismus in Deutschland (Laacher See Ausbruch) teilnehmen. Die Führung hatte Prof. Schmincke

übernommen, der sich seit vielen Jahren mit der Geschichte dieser Ausbrüche beschäftigt. Für uns sind diese jungen Maare ausgezeichnete Studienobjekte für die tertiären Maare in Sachsen, besonders in Verbindung mit Bearbeitung der Bohrung Kleinsaubernitz, die einen oligozänen Maarsee bis in die tiefsten Schichten zugänglich macht.

Darauf folgte unserer erster richtiger gemeinsamer längerer (3 Wochen) Urlaub auf La Palma, einer der Kanarischen Inseln. Zehn Tage lang hatten wir ein kleines Auto gemietet, um die Insel zu erkunden. Die restliche Zeit verbrachten wir in der Nähe der Hotelanlage, in der wir untergebracht waren, meist am Strand. Während Mitteleuropa unter einem der heißesten Sommer des Jahrhunderts stöhnte und ächzte, genossen wir das ausgeglichene atlantische Klima. Bis auf unsere Tour zum jüngster Vulkan der Insel. Während dieser Wanderung drehte der Wind und kam plötzlich nicht mehr vom Atlantik, sondern vom Festland. Saharawind mit mehr als 30 Grad Celsius. Weit und breit kein schattenspendender Baum. Der Boden schwarzes Gesteinsglas. Als wir es schließlich wieder bis zum Dorf geschafft hatten, waren wir völlig ausgedörrt. Der Barkeeper hat sich bestimmt gewundert, daß man so viel Wasser trinken kann.

Ja, und als letzte Vulkan-Aktion durfte ich letztes Wochenende meine Arbeitskollegen hier vom Amt im bayrischen Teil der Hohen Rhön führen. Übernachtung im nördlichsten Städtchen Bayerns: Fladungen, einer der wenigen noch völlig erhaltenen mittelalterlichen Städte in Europa. Die Exkursion führte zu den miozänen Basalten der Rhön und in ein Kalisalzbergwerk.

Damit möchte ich den Bericht über das Vulkanismus-Jahr beenden. Im nächsten Sommer sollte es wieder mehr Fossilien geben.

Was gibt es ansonsten zu berichten? Herr Dr. Walther feierte seinen 65igsten Geburtstag und ist seit Anfang September offiziell Rentner. Sein Ausscheiden aus dem aktiven Dienst wurde mit einem Festkolloquium zu seinen Ehren gefeiert. Die Spätfolgen seiner Pensionierung gestalten sich für uns weniger freundlich. Da Herr Walther ein Arbeitszimmer im Museum behalten möchte, war kein Platz mehr für Juliana. Sie wird also ab sofort die meiste Zeit bei Ihrem Doktorvater (Prof. Mosbrugger) am Institut in Tübingen verbringen, wo genügend Raum für ihre Fossilien vorhanden ist. Auf das Jahr des Vulkanismus wird das Jahr des Pendelns zwischen Tübingen und Freiburg folgen. Keine schöne Situation, aber auch diese zusätzliche Belastung werden wir überstehen.

Zum Schluß noch ein paar Worte zur bevorstehenden Bundestagswahl. Wenn Sie diesen Brief lesen, wird die Entscheidung schon gefallen sein. Im Moment ist es nicht möglich eine Voraussage zu treffen. Wahrscheinlich aber werden wieder einmal die kleinen Parteien den Ausschlag geben. Ich werde einige Zeitungskommentare sammeln und Ihnen bei nächster Gelegenheit zusenden.

Mit einem herzlichen GLÜCKAUF aus der Bergstadt Freiberg  
und lieben Grüßen an Ihre Gattin

Ihr

Kurt Gohl

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

12. Dezember 1993

Frau Julia Köhler  
Herrn Kurt Goth  
Freiburger Str. 22  
09623 Frauenstein  
Deutschland (Germany)

Liebe Frau Köhler, lieber Herr Doktor Goth,

Ihr langer sehr interessanter Brief vom 29. Nov. hat mir sehr gefallen. Er wurde zufälligerweise während unseres Rückflugs aus England geschrieben. Wir haben nämlich an die Feier für den 65. Geburtstag von Chaloner teilgenommen. Weil es Feiertage (Thanksgiving) zuhause gab, konnten wir eine Woche in Südengland 'rumfahren, wie echte Deutsche.

Wir haben zweimal Prag besucht, aber das Land ist sicher nicht so glücklich wie heute gewesen. Prag ist eine wunderschöne Stadt. Wir haben andere Teile der Republik kaum gesehen, und wir möchten auch Polen eines Tages besuchen. Selbstverständlich werden wir Ostdeutschland auch mindestens einmal angucken! Wenn und wann das geschieht werden wir sicher Ihren Brief wieder lesen, um die empfehlswerten Sehenswürdigkeiten die Sie erwähnt haben nicht zu versäumen. Das Photo von Frauenstein ist ein "keeper." Ich kann mir gut vorstellen, wie Ihr Haus mit den schneegesprühten Fenstern "um die Ecke" des Fotos aussieht. Wir haben auch den frühen europäischen Schnee von '93 im England erlebt. Wir sind nach Dover gefahren, um die "white cliffs of Dover" anzusehen. Mit 10 Zm. Schnee sind sie tatsächlich weiß gewesen!

Der verehrte neue Redaktor von P-B hat das Manuskript das ich teilweise durchlas nicht erwähnt. Vielleicht kommt später etwas über jenen Artikel?

Meine Übersetzung des vorgeschlagenen Briefes lege ich bei. Meine Version ist eine freie Übersetzung, die den Sinn wiedergibt, obwohl die Wörter ein bisschen anders sind.

mit besten Grüßen für frohe Weihnachten und einen guten Rutsch ins Neue Jahr verbleibe ich

Ihr

Alfred Traverse

Anlage

Dear \_\_\_\_\_:

After many years of service as Editor of Palaeontographica Abt. B., Professor Dr. H.-J. Schweitzer, having reached his 65th birthday, has retired to private life. On his recommendation, Dr. Nägele of the Schweitzerbart'sche Press has asked us to carry on the publication of this journal. We have set ourselves the goal of carrying on with this "legacy" in the spirit established by Professor Schweitzer. However, we can only succeed if you support Palaeontographica B as a co-editor in the future as you have in the past.

In the hope that we can continue to have your cooperation in the future and with best wishes, we remain

Yours very truly,

Juliana Köhler  
Kurt Goth  
Freiberger Str. 22  
09623 FRAUENSTEIN  
GERMANY

29. November 1993

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

Liebe Frau Traverse, lieber Herr Professor Traverse,

wir möchten uns ganz herzlich für Ihre freundlichen Briefe vom April und August bedanken. Für uns ist der Sommer wie im Flug vergangen, und wir waren beide mit so vielen Dingen beschäftigt, daß wir abends immer schreibfaul waren. Sie haben dafür hoffentlich Verständnis. Als Ausrede können wir anführen, daß unsere Wohnung im Erzgebirge inzwischen sehr wohnlich eingerichtet ist. Juliana versorgt einen kleinen "Urwald" im Wintergarten und an den Fensterbrettern der übrigen Zimmer. Außerdem waren wir das ganze Jahr über viel unterwegs.

Unseren Urlaub verbrachten wir wieder einmal auf Exkursionen, für Geologen sicher die angemessenste Form. Im Frühsommer konnten wir mit Dr. Walther aus Dresden die tertiären Pflanzenfundstellen im Egergraben besuchen. Auf große Fahrt wurden wir dann im August von der Universität Bonn nach Südfrankreich und Spanien mitgenommen. Ziel dieser Studentenexkursion waren die berühmten Fundpunkte von Dinosauriereiern im Becken von Aix-en-Provence und in den Pyrenäen. Außerdem stoppten wir an Aufschlüssen und Steinbrüchen mit karbonischen, permischen und tertiären Pflanzen. In unserem relativ kleinen Keller stapeln sich seither Tüten und Kisten mit Fossilien. Vor etlichen Wochen besuchten wir noch gemeinsam die Jahrestagung der Paläontologischen Gesellschaft, die diesmal in Prag stattfand. Juliana war bei dieser Gelegenheit zum ersten Mal in der "Goldenen Stadt". Bei uns hat diese Woche bleibende Eindrücke hinterlassen. Aber obwohl es schwer fiel, haben wir nur eine Vortragssitzung geschwänzt. Falls Sie selbst noch nicht in Prag waren, sollten Sie bei Ihrem nächsten Besuch in Europa ein paar Tage einplanen, um diese Stadt zu genießen.

Noch ein paar Sätze zu unserer neuen Heimat, die wir uns auf Tagestouren Stadt um Stadt, im wahrsten Sinne des Wortes, erfahren. Selbstverständlich sieht man vielerorts noch die Altlasten des sozialistischen Systems. Aber wenn man hier lebt, fallen einem eher die bereits renovierten Gebäude auf, als die vielen baufälligen Häuser. In den meisten kleinen Städten kann das alte Stadtbild wiederhergestellt werden. Fast überall gibt es Burgen, Schlösser, Kirchen, Klöster und Museen. Besondere Kleinode sind die Städte Torgau, Bautzen, Meißen und Freiberg. In den letzten 1 1/2 Jahren wurde so viel gebaut und renoviert, daß man manche Straßenzüge kaum noch wiedererkennt. Der Osten Deutschlands blüht auf. Für uns bedeutet es sehr viel diese Entwicklung so hautnah mitzuerleben, und wir würden uns sehr freuen, wenn wir Sie ein wenig an diesem Gefühl beteiligen könnten. Sie wissen so viel über Deutschland, seine Bevölkerung, Kultur und Sprache, daß Sie auch die Probleme hier im Osten verstehen würden. Fliegen Sie in absehbarer Zeit nach Europa? Sie sind uns jederzeit herzlich willkommen.

Der neue "Job" als Herausgeber von PALAEONTOGRAPHICA B nimmt ebenfalls viele Abende in Anspruch. Ich kann nur hoffen, daß sich im Laufe der Zeit eine gewisse Routine

einstellt, und ich für die einzelnen Manuskripte nicht mehr so lange brauche. Ich bedanke mich ganz herzlich für Ihre Glückwünsche zu dieser Aufgabe und hoffe, daß Sie mich und Herrn Prof. Mai besonders bei palynologischen Arbeiten unterstützen. Eine Bitte möchte ich in diesem Zusammenhang bereits heute vorbringen. Wenn Herr Mai und ich in ein paar Monaten diesen "Job" wirklich endgültig von Prof. Schweitzer übernehmen, wollen wir an alle Mitherausgeber einen englischen Brief verschicken. Würden Sie uns bitte diesen Brief übersetzen und gegebenenfalls Änderungen vornehmen, damit uns nicht solche Fehler wie followers/successors unterlaufen.

Lieber #####

nach langjähriger Tätigkeit als Herausgeber von PALAEONTOGRAPHICA B hat sich Prof. Dr. Schweitzer mit seinem 65. Geburtstag ins Privatleben zurückgezogen. Auf seinen Vorschlag hin hat uns Herr Dr. Nägele von der Schweizerbart'schen Verlagsbuchhandlung mit der Weiterführung der Herausgabe dieser Zeitschrift beauftragt. Wir haben uns zum Ziel gesetzt dieses Erbe im Sinne von Herrn Prof. Schweitzer weiterzuführen. Das kann uns aber nur gelingen, wenn Sie als Mitherausgeber die PALAEONTOGRAPHICA B weiterhin so unterstützen, wie Sie es bisher getan haben.

In der Hoffnung auf gute Zusammenarbeit in der Zukunft verbleiben wir mit herzlichen Grüßen

D.Mai + K.Goth

Würde das so gehen? Bei vielen Dingen in meinem neuen Job bin ich noch etwas unsicher. Vielen Dank für Ihre Bemühungen im voraus.

Ich (Juliana) habe im Herbst eine Woche im Palynologie Labor der Universität Utrecht bei Raimond Below verbracht. Dort bereiteten wir den Ölschiefer noch einmal mit verschiedenen Methoden auf, da sich die Standardmethode und auch die für den Messeler Ölschiefer abgewandelte Methode als nicht zufriedenstellend erwies. Die Acetolyse, mit HF-Behandlung vorweg, stellte sich als die beste Aufbereitung heraus. Von den neuen Proben habe ich REM Aufnahmen gemacht, auf denen gut zu erkennen ist, was Sie schon vermutet hatten: daß es sich bei den Algen um multitabletate Dinoflagellaten handelt. Deshalb gibt es bei den Zysten keine konstante Archaeopyle [die Archaeopyle]. Ich danke Ihnen für Ihre Meinung darüber und die Literaturhinweise und werde Sie diesbezüglich weiter auf dem Laufenden halten. Meine ersten Ergebnisse über die Flora von Enspel habe ich in Prag vorgestellt. Vor drei Wochen war ich dann in Mainz, um das diesjährige Grabungsmaterial durchzusehen und die Pflanzenreste mit nach Sachen zu nehmen. Dreißig 20l Eimer voll mit Blättern, Früchten und Samen waren die Ausbeute. Die Arbeit für den langen Winter ist gesichert!

Wir feiern dieses Jahr einen weißen ersten Advent. Auf den Straßen wurde der Schnee zu Eis festgefahren. Das Ergebnis ist eine Bobbahn. Als wir gestern vom Einkauf zurückkamen, ereigneten sich innerhalb von 10 Minuten zwei Frontalzusammenstöße auf dem Frauensteiner Marktplatz. Zum Glück wurde niemand verletzt. Damit nicht nur draußen Schnee ist, habe ich an die Fenster Sterne, Engel mit künstlichem Schnee gesprüht. Kurt schaute zunächst skeptisch, aber das Ergebnis gefiel ihm gut.

Anbei finden Sie noch ein Photo von unserer neuen Heimat: Burg und Schloß der Stadt Frauenstein. Unsere Haus liegt auf der anderen Seite des Burgberges, ist hier also nicht zu sehen.

Wir wünschen Ihnen beiden eine schöne Vorweihnachtszeit und verbleiben mit besten Grüßen

Ihre

*Juliana Köhler*

Juliana Köhler

*Kurt Goth*

Kurt Goth

THE PENNSYLVANIA STATE UNIVERSITY  
DEPARTMENT OF GEOSCIENCES  
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5. April. 93

Frau Juliana Köhler und Herrn Dr. Kurt Goth  
Freiberger Straße 22  
DO-9202 Frauenstein  
Deutschland

Sehr geehrte Frau Köhler, sehr geehrter Herr Doktor Goth,

es hat uns wirklich erfreut, von Ihnen einen langen, interessanten Brief zu bekommen und gute Nachrichten von Ihnen zu erfahren. Ihre neue Wohnung scheint sehr schön und wahrscheinlich auch malerisch zu sein. Der erzgebirgische Winter den Sie beschrieben haben ist jedoch ein ziemlich großes Hindernis! Im Augenblick bekommen Sie von uns kein Mitleid, da wir vor drei Wochen das Schneegestöber des Jahrhunderts erlebt haben! Betty besuchte dann ihre alte Mutter in Indianapolis und war unterwegs nach Hause. Die Reise dauerte zwei Tage. Unter anderem mußte sie in DC übernachten. Ich war zuhause, eingeschneit. Es war das erste Mal, daß mein Schneepflug (2 m.) nicht imstande war, unseren Weg zu räumen. Ein Helfer und ich mußte ihn mit Schaufeln teilweise räumen bevor wir mit dem Pflug die Arbeit fertigen konnten. Wir haben es endlich geschafft und Betty rufte mich dann vom Flughafen an, daß sie State College erreicht hat. Sie hat den ganzen Tag in DC, Philadelphia und Pittsburgh Flughäfen und endlich in einem Bus, Pittsburgh-State College verbracht. (State College ist ein Synonym für University Park, oder besser umgekehrt.)

Wir haben uns ja gut zu Hause eingelebt, obwohl wir furchtbar beschäftigt sind. Betty wird ihre "comprehensive exam" für den Doktorat im spät Mai haben. Diese Prüfung existiert in Deutschland überhaupt nicht. Es ist in der deutschen Abteilung ein wahnsinniger Gebrauch--die Prüfung dauert zwei Wochen. Man schreibt jeden Tag den ganzen Morgen. Am Ende gibt es eine zusätzliche mündliche Prüfung. In unserer Abteilung verlangen wir nur einen Tag von den Doktoranden für diesen Zweck. Das ist meiner Meinung nach schon zu viel. Als ich Doktorand war, mußte ich nur eine zweistündige "comp" an der Harvard Universität bestehen--sinnvoller mit Abstand. Sie verstehen wahrscheinlich, daß die "comps" nichts mit der Dissertation zu tun hat. Betty spezialisiert sich für Mittelalter und schreibt über Neidhart. Dieses Semester besucht sie Vorlesungen über Latein und mittelalterliches Drama.

Ich arbeite im Augenblick mit einem ehemaligen Student von mir der jetzt an dem Boston College tätig ist--Paul Strother. Er verbringt bei mir zwei Wochen. Wir haben, auch mit meinem "Post-Doc", Ihre Photos besprochen. (Wir arbeiten jetzt mit sehr primitiven Sporen aus dem Ordovizium-- Rechtschreibung?--ich brauche ein geologisches Wörterbuch.) Ich habe nie genau so etwas gesehen. Es könnte eine Dinoflagellate sein. Man vermutet sogar ein Archeopyl (richtiges Wort? Geschlecht?) auf beiden Exemplaren. Das Problem ist ,daß Süßwasserdinoflagellaten meist relativ einfach sind (siehe mein Peridinium aus der Brandonlignite und auch Cole, "Freshwater dinoflagellate....." in Head & Wrenn, "Neogene and Quaternary dinoflagellate cysts and acritarchs," AASP 1992). Nichtsdestoweniger sind die Dinoflagellaten die einzige Gruppe die bei mir "verdächtig" wäre. Sehen Sie auch Mehrotra and Rawat im Head & Wrenn, S. 214, für eine Form die Ihre ähnelt. Könnte es sein, daß Ihr See teilweise oder zeitweise marin beeinflusst war?

Ich muß jetzt wieder mit meinem Gast arbeiten. Es wäre so gut wenn wir heute abend zu vier ein Abendessen haben könnten! Sie sind immer bei uns willkommen. Nur eine Bedingung--ausnahmsweise in Amerika müssen Sie bei uns immer Deutsch sprechen!

mit besten Grüßen verbleibe ich  
Ihr

Alfred Traverse

Anlage: Ihre Photos

Juliana Köhler  
Kurt Goth  
Freiberger Str. 22  
DO-9202 FRAUENSTEIN

5. März 1993

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

Liebe Frau Traverse, lieber Herr Traverse!

Wir haben es nun endlich geschafft! Nach vielen Monaten vergeblicher Suche und Wochenenden auf deutschen Autobahnen (um uns z.B. in Frankfurt zu treffen) fanden wir im Herbst eine wunderschöne Wohnung in Sachsen. Inzwischen sind wir beide umgezogen und haben uns im neuen Domizil an der tschechischen Grenze bereits ganz gut eingelebt. Frauenstein im Erzgebirge ist durch seinen berühmtesten Sohn, den Orgelbauer Silbermann, bekannt. Das kleine Städtchen liegt etwa 35 km von Dresden und 20 km von Freiberg entfernt.

Kurt hat eine Stelle am Landesamt in Freiberg. Seine Aufgabe ist die stratigraphische Betreuung der kartierenden Geologen in Sachsen.

Juliana macht ihre Doktorarbeit unter der Betreuung von Prof. Mosbrugger, Tübingen, und Dr. Walther am Museum in Dresden.

Wir kommen zur Zeit in den Genuß eines echten erzgebirgischen Winter. Letzte Woche konnten wir nicht mehr nach Frauenstein fahren, die Schneeräumfahrzeuge hatten den Kampf gegen den Schnee aufgegeben. In fast 2m hohen Schneewehen säumten verlassene Autos die Straße. Wir mußten bei Freunden in Freiberg, daß ca. 200 m tiefer liegt, übernachten.

Als wir den darauffolgenden Tag glücklich zu Hause waren, wurden wir dort eingeschneit. Die Skier waren das beste Fortbewegungsmittel. Auch Hundeschlitten, die am Wochenende hier bei einem Wettrennen waren, erwiesen sich als günstig.

Langsam hoffen wir aber auf den Frühling, so daß wir auf Wanderungen die interessante Botanik des Erzgebirges studieren und hinterher im neugebauten Biergarten sitzen können.

Wir hoffen, daß Sie sich nach Ihrem Deutschland-Aufenthalt wieder gut zu Hause eingelebt haben. Kein Einbruch?

Zum Schluß noch eine Bitte. Juliana hat bei ihrer Arbeit über den Ölschiefer eines tertiären Sees im Westerwald (Enspel) eine Süßwasserplanktonform entdeckt, die in Lagen massenhaft auftritt. Bis jetzt ist ihr noch unklar, in welche Algengruppe diese Form gehört. Juliana schickt Ihnen deshalb REM und LM Fotos mit. Vielleicht haben Sie ja so etwas Ähnliches schon einmal gesehen. Ich würde mich freuen, wenn Sie mir Ihre Meinung dazu mitteilen würden.

Viele liebe Grüße

*Juliana Köhler*  
*Kurt Goth*

February 18, 1970

Dr. Lawrence Koehler  
Biology Department  
Central Michigan University  
Mount Pleasant, Michigan 48858

Dear Dr. Koehler:

Thank you very much for your interesting letter of 11 February, 1970, regarding an opening at Central Michigan for a palynologist. I did have one student--a top man--who finished the requirements for a Ph.D. this past term. He has, however, agreed to take a job at Geneseo College in New York starting in September and is teaching on a visiting professor basis at Arizona State until then. I am sure you will have no problems in filling your position because there seems to be a dearth of jobs, particularly ones that sound as interesting as yours. I have called my friend, Dr. James Canright, at Arizona State University in Tempe, and relayed the information from your letter to him, because I know he has a couple of graduating Ph.D. men who would qualify for the position that you have available. I presume that you will be hearing from Dr. Canright in due course. I have<sup>also</sup> taken the liberty of telling one of my colleagues who has been assisting me as a research associate. He is a Ph.D. of several years standing with a wide variety of experience and would be a fine addition to your or any other faculty. If he is interested, I am sure that he will contact you directly. His name is R.B. Sanders. I will also keep your opening in mind as I begin a trip on palynological business next week, and there may well be people whom I encounter who would be interested.

Thank you so much for thinking of me and of Penn State's palynological program in making this request. I do hope I'll meet you one of these years.

Yours very truly,

Alfred Traverse  
Associate Professor of Geology & Biology

AT:kc



CENTRAL MICHIGAN UNIVERSITY

February 11, 1970

Dr. Alfred Traverse  
Department of Geology - Geophysics  
Pennsylvania State University  
University Park, Pennsylvania 16802

Dear Dr. Traverse,

The biology department at Central Michigan University is seeking a palynologist for addition to our staff, for Fall of 1970. It was suggested that you may know a palynologist seeking a position.

The appointment would be at the associate professor level. The individual must have a Ph. D. degree, and we desire that he have experience in the direction of Ph. D. candidates.

The individual would initiate a course in palynology, as well as conduct a research project in that discipline, and work with graduate students.

Central Michigan University is state supported, and has an enrollment of approximately 13,000 students. Degrees offered by the University include the various Baccalaureate degrees and the M. S. in Biology. We are currently working on a Ph.D. program in Biology and anticipate this program to commence in about three years.

The Biology Department has 23 faculty members in various areas of biology. We are located on Brooks Hall which was constructed in 1964.

Central Michigan University is located in Mt. Pleasant, a city with a population of about 20,000. We are located just off U. S. 27 which is an expressway to Lansing, about 60 miles south of Mt. Pleasant.

If you know anyone, who would be interested in this position; please let me know, or have the individual contact me.

Sincerely,

*Lawrence Koehler*  
Lawrence Koehler  
Biology Department

lk/rk

MOUNT PLEASANT, MICHIGAN 48858

December 1, 1972

Otto Koeltz Antiquariat  
624 Koenigstein/Taunus  
Herrnwaldstr. 6  
West Germany

RE: your invoice number 72-3562 dr

Dear Sirs:

Regarding the invoice above mentioned--as far as I can recall this is apparently for a publication which had to do with fossil vertebrates or something of the sort which arrived unsolicited. I do recall that it had nothing to do with my research interests--palynology and paleobotany. I expect that I simply discarded the publication understanding it to be a promotional matter of some sort on your part. In any case, I am certain that I did not order this publication, nor was it part of some standing order. I therefore can accept no responsibility for it and do not in any way feel responsible. I am not even sure that I received such a publication, but I am certain that I never ordered one.

For your convenience I enclose your letter of November 14 and the invoice.

Yours very truly,

Alfred Traverse  
Professor of Geology & Biology

AT/vsi  
Enclosure: letter & invoice

*Unsubscribed*

# OTTO KOELTZ ANTIQUARIAT

624 KOENIGSTEIN/TAUNUS · WESTDEUTSCHLAND · HERRNWALDSTR. 6 · POSTFACH 129 · TELEFON KOENIGSTEIN (06174) 4492

624 Koenigstein-Taunus · P. O. Box 129

Palynological Laboratories  
Pennsylvania State  
University

UNIVERSITY PARK / Penns.  
USA

SCIENTIFIC  
BOOKSELLERS AND  
PUBLISHERS.  
BOTANY  
ZOOLOGY  
BIOLOGY  
GEOLOGY  
PALAEONTOLOGY



ref: yours

our

Date

sk-dr

16th August 1971

Gentlemen,

attached to this letter we are sending you a specimen issue of our reprint of "Schweizerische Paläontologische Abhandlungen (Mémoires Suisses de Paléontologie)" for your information.

As you will state, our reprint offers, contrary to most others on the market, a very good reproduction-quality of the difficult plates.

The reprint of the "SPA" has just started, volumes 1 to 3 being now available and volumes 4 to 5 to come within September, of this year. All volumes are available clothbound, or, alternatively, in paperbound issues as the specimen sent. Volumes 6 and the following will be issued in partial series of 5 volumes in intervalls of some months. A pricelist of all volumes is attached.

So, if you are interested in purchasing the reprint or parts thereof please let us know so.

For your convenience we have attached an address label and the postage for an eventual return of the specimen, in case you do not intend to order the reprint.

With best compliments,  
*Otto Koeltz*  
Otto Koeltz Antiquariat

Enclosures

Postscheckkonto: Frankfurt (Main) 86791 · Stockholm Nr. 4305 · Wien Nr. 108636 · Zürich 80/47056 — Banken: Effectenbank-Warburg AG, Frankfurt (Main) Konto Nr. 30771; Deutsche Bank, 624 Koenigstein, Konto Nr. 470/6644 · France: Crédit Lyonnais, Paris, 19 Blvd. des Italiens. Compte 30/100207 T · Espana: Banco Espanol de Credito, Apt. de Correos No. 14054, Madrid, Konto No. C-1-110008-270 · America: Banking House; Trade Bank and Trust Company, Foreign Department, 8 West 48th Street, New York 36, N. Y. USA account: Effectenbank-Warburg AG, Frankfurt (Main) No. 30771; or: European American Bank and Trust Comp., 52, Wall Street, New York, N. Y. 10015, USA indicating Deutsche Bank, account 470/6644

Hunt Institute for Botanical Documentation

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

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: 10 November, 1987  
To: Roger Koide, 309 Buckhout  
From: A. Traverse, 435 Deike  
Re: recent visit of Dr. Skog

Enclosed are three items for your consideration:

1. Dinner charge for the Drs. Skog, Dr. & Mrs. Keener and the Traverses: \$77.09. (I had the drinks billed separately, and I am paying for that--I also am covering lunch personally.)

2. Parking charge for the Skog car (I paid). Therefore, I should get:

	\$77.09
	<u>2.00</u>
Total:	\$79.09

3. The mileage for the Skog car is 376 miles (188 x 2). A check for .20 (I believe that's the going rate) x 376 should go to Dr. Skog. (We had the Skogs as house guests, so there's no housing charge.)

AT/et  
encl: receipts

To: eak138@psu.edu  
From: traverse@ems.psu.edu (Alfred Traverse)  
Subject: palynology  
Cc:  
Bcc:  
X-Attachments:

Dear Ela:

Merhaba! Remember that I am retired! I don't come in every day. So, you need to phone and set up a time. I should tell you that we will definitely not be here on Friday, 20 Dec. Mon. 23 Dec. I plan to be here. 24 Dec. is a little uncertain. 25 Dec. is Christmas and will be taken up by family things at home. On 26 Dec. we are leaving the area for about two weeks. Will be back in the office on 17 Jan., at the latest.

Hosca kal. Alfred.

Date: Mon, 9 Dec 1996 08:55:38 -0500

X-Sender: eak138@email.psu.edu (Unverified)

To: traverse@ems.psu.edu (Alfred Traverse)

From: eak138@psu.edu (Ela Ayse Koksai)

Subject: palynology

Dear Dr. Traverse,

My semester is ending this Wednesday. So I will be able to study Palynology. Do you mind if I come after that time?

Thanks.

May 16, 1968

Mr. Roger W. Kolvoord  
Department of Geology  
University of Texas  
Austin, Texas 78712

Dear Roger:

The jet thing seems to go on and on. Currently I am being asked to give some sort of a paper at the Gordon Conferences on the subject. I feel the necessity of developing some more information if I don't want to sound like a broken record. Do you still have some scraps of the Utah stuff which I could use for some oxygen isotope work? If so, I would greatly appreciate receiving same.

Things are steaming along as usual here. My historical geology course is televised this term, which I find very challenging. Perhaps threatening would be a better term. Tonight I am going to Altoona to meet with the poor dears who normally encounter me only on the idiot tube.

Best wishes.

Yours very truly,

Alfred Traverse  
Associate Professor of Geology

AT:kwc

April 9, 1968

Mr. Roger W. Kolvoord  
Department of Geology  
University of Texas  
Austin, Texas 78712

Dear Roger:

Thanks very much for yours of 24 March. By now you have perhaps heard back from Ernie Lundelius that I was afraid you were mad at me. All's well that ends well. You sound very busy--and I am becoming an expert at recognizing the symptoms, believe me!

Under separate cover I am sending you the reprints (with my compliments).

Regards to Dr. Ingersen, and other mutual friends

Yours very truly,

Alfred Traverse  
Associate Professor of Geology

AT:kuc

March 24, 1968

Dear Al,

Sorry I've taken so long to write — my silence is (partly) explained by 1) teaching a Geo. 601a lecture, 2) co-ordinating the 601a labs, and 3) finally getting my experimental apparatus into operation. I would be interested

in taking about 30 of those reprints off your hands if that would be satisfactory to you.

The jet is on its way the Bureau of Mines. And now to writing a 601a hour exam.

Yours,

Roger Kellogg

March 5, 1968

Mr. Roger W. Kolvoord  
Department of Geology  
University of Texas  
Austin, Texas 78712

Dear Roger

I don't believe I have ever heard from you about what you wanted to do re the items like the enclosed. If you want some, I'll split them with you at cost--or, if you only want a few, I'll send them to you gratis.

One of the professors here is urging me to push ahead with the problem, from the point of view of possible marine influences on diagenesis. If I had time, I'd be interested, but I am after all primarily a palynologist.

Do let me hear from you. Best wishes.

Yours very truly,

Alfred Traverse  
Associate Professor of Geology

AT/pk  
Enclosure: reprint

February 1, 1968

Mr. Roger W. Kolvoord  
Geology Department  
University of Texas  
Austin, Texas 78712

Dear Roger:

I suppose that you saw our article in Science. The various changes that were made (e.g., eliminating the index map) were required by Science, as I believe I wrote you earlier.

Re reprints: I ordered 200, which cost \$29.00. Let me know how many you want, and I'll send them to you with pro-rated bill. I suppose you will want at least some.

Hope all goes well with you. Best wishes to Dr. Ingerson.

Yours very truly,

Alfred Traverse  
Associate Professor of Geology

AT:kwc

October 19, 1967

Mr. Roger W. Kolvoord  
Department of Geology  
The University of Texas  
Austin, Texas 78712

Dear Roger:

Innnclose a copy of a letter just received from Science, along with a copy of my response, which I guess are mostly self-explanatory. As you will find out (if you haven't already) this is par for the course--or even a bit better than par. The reason people publish so little is often to be explained by their exasperation with this sort of thing. It is dreadfully time-consuming and boring! But it must be faced.

The purpose of this letter is to keep you informed and also to let you know that Science is against the index map. I hope the Utah people won't get too hot under the collar. After all, it is hardly our fault!

Hope you are getting along well. See you in New Orleans?

Yours very truly,

Alfred Traverse  
Associate Professor of Geology

AT:kwc

Enclosure: copy of letter from Science  
copy of letter to Science

May 15, 1967

Prof. William P. Hewitt, Director  
Utah Geological and Mineralogical Survey  
University of Utah  
Salt Lake City, Utah

Dear Prof. Hewitt;

Enclosed please find a Zerex copy of a ms entitled,  
"Utah Jet--A Vitrinite With Significantly Aberrant Properties",  
by Dr. Alfred Traverse and myself.

Because I was employed by the UGS when I collected the  
samples used in this work, I feel that the ms should be presented  
for your approval before submission to a journal. Therefore,  
I would like to request authorization to submit the ms to  
Science for publication.

I am sorry that the photomicrographs failed to reproduce  
satisfactorily; they are of very high quality however. We will  
appreciate your editorial comments on the rest of the ms. It  
would probably simplify matters if you were to return the ms  
to Dr. Traverse, Department of Geology and Geophysics, Pennsylvania  
State University, University Park, Pa. 16802, after you have  
edited it.

My Ph.D. work here at Texas is proceeding nicely and I hope  
to finish by this fall. Please give my regards to Profs. Stringham  
and Whelan.

Sincerely yours,

Roger W. Kolvoord 

cc:Alfred Traverse



# THE UNIVERSITY OF TEXAS

AUSTIN, TEXAS 78712

DEPARTMENT OF GEOLOGY

June 7, 1967

Dr. William P. Hewitt, Director  
Utah Geological and Mineralogical Survey  
103 Utah Geological Survey Building  
University of Utah  
Salt Lake City, Utah 84112

Dear Dr. Hewitt:

I recieved your letter of June 2, 1967, and the Xerox of the ms. of our paper in good condition. I wish to express my thanks for permission to publish the paper, and my gratitude to you and to Professors Callaghan, Stringham, and Whelan for the time and effort that they put into editing it.

Relative to the "reservations and suggestions" that were made, I would like to discuss them in the order raised:

- 1) I agree that the footnote authorizing publication should follow immediately after the title, if this conforms with the format used by the editors of Science.
- 2) I agree on the word "significantly" in the title and, if Dr. Traverse, concurs, we will change or edlete it.
- 3) I have a suitable index map and I will send it to Dr. Traverse.
- 4) minor editorial errors:
  - a) "hydronium jarosite" is a valid mineralogical species, see Brophy and Sheridan, American Mineralogist, v. 50, p. 1595-1607, 1965. My first identification of the material from Jet Basin was as carphosiderite, <sup>but</sup> by Moss (Mineral. Mag., v. 31, p.407-12, 1957) has established the identity of hydronium jarosite with carphosiderite.
  - b) X-ray data on jet. The broad amorphous band simply reflects the mean interionic distance of the atoms in the sample. The weak peak at 3.37 A, the value of the (001) distance in graphite, indicates that although there is very little long-range order in jet, or in other low-rank coals, there tend to be some C-C sheets at the expected spacing for such sheets. I'm not sure that it's worth developing this arguement in this paper - those that know won't have any trouble, and those that don't will require an excessively long explanation.

Perhaps the best solution would be to preface the X-ray diffraction data with the statement to the effect, "Jet, in common with other low rank coals, shows little evidence for long-range crystallographic order."

I hope that you and the survey are having a successful summer. Please give Jim Whelan my best regards.

Sincerely yours,

Roger W. Kolvoord

CC: Dr. Alfred Traverse

June 2, 1967

✓  
Mr. Roger W. Kolvoord  
Department of Geology  
The University of Texas  
Austin, Texas 78712

Dear Roger:

Your letter of May 15, 1967, with its enclosed Zerox copy of your manuscript, "Utah Jet--A Vitrinite With Significantly Aberrant Properties," authored by Dr. Traverse and yourself, has been reviewed by Professors Callaghan, Stringham, Whelan and myself.

We would indeed be pleased to have you submit the item to Science for publication, but we do have the following reservations and suggestions:

First, we feel that reference "0" should immediately follow the title; that is, "Publication Authorized by the Director, Utah Geological and Mineralogical Survey."

Likewise, we feel that the word "Significantly" should be dropped from the title, in which case it would read, "Utah Jet--A Vitrinite With Aberrant Properties."

Thirdly, it is our feeling that the manuscript would be improved by the inclusion of a small index map of the State of Utah about 2½ inches high by 2 inches wide. It should show the following features: 41° N, 39° N, 113° W, 111° W; the outline of Great Salt Lake; Salt Lake City; the course of the Green-Colorado-San Juan Rivers unlabeled; and LOCATION OF SITE clearly marked.

Mr. Roger W. Kolvoord  
June 2, 1967  
Page 2

In addition, there are a number of minor editorial errors which have been marked on the manuscript together with suggestions for clarifications that have been written in by those who have read the manuscript. In glancing over them, it appears to me that some of them are quite pertinent and deserve a phrase or sentence of clarification.

Here in Utah we all send our best regards to you. We are extremely pleased that you have found the time to write down your findings on the Utah vitrinite, and that you will find a ready publisher after the minor changes suggested herein have been made.

Yours sincerely,

William P. Hewitt  
Director

WPH:py

Enc.  
CC:Dr. Alfred Traverse ✓

C  
O  
P  
Y



THE UNIVERSITY OF TEXAS

AUSTIN, TEXAS 78712

DEPARTMENT OF GEOLOGY

May 15, 1967

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

Dear Al,

I agree completely on authorship. It has been my feeling all along that I was not qualified to work this paper up properly. I'm just glad that we were able to get together so that you could do a worthwhile job on it.

As for the references, I did the X-ray and mineralogical work (and a few IR's that I didn't know how to interpret) so there is no one to reference for that. I have indicated other individuals under your footnote 9.

I have made very few changes in the ms - my main questions are whether "significantly" adds anything to the title and whether "hydrothermal alteration", p. 8, is a good term. Perhaps it is used in connection with diagenetic alteration among coal petrographers, but it carries much different connotations to me - particularly in an area underlain by intrusive rocks.

I have sent a Xerox of the ms, including my suggestions, to Bill Hewitt, Director of the Utah Geological Survey, and I have enclosed a copy of the covering letter. His approval, which should be little more than a formality, should be added in a "Publication authorized by the Director...."-type footnote.

It's good to get this going.

Once more, we're about to move into the New Geology Building. I'll believe it when I see it - I think that the whole thing is a myth.

yours,

*Roger*

Roger W. Kolvoord

# 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 31, 1967

Mr. Roger Kolvoord  
Department of Geology  
University of Texas  
Austin, Texas 78712

Dear Roger:

Just as you had promised, the inset maps of Utah were waiting for me on my desk when I returned from our recent collecting trip to Texas. It was good to run into you in the hall in your new geology building, but I am sure that you understand that I do not feel entirely at home on those premises. What may have seemed to be insufficient warmth on my part reflected only my feelings of awkwardness and not lack of affection for you. If you don't believe me, come and see us at Penn State sometime and see how different things are.

I am really only touching down here this week long enough to get my mail answered and file my expense account before leaving for 2 more weeks so it will be sometime around the second part of August before I get our now famous paper off to be published.

Very best wishes to you and to Professor Ingerson.

Yours very truly,

Alfred Traverse  
Associate Professor of Geology

AT:kaw

June 26, 1967

Dear Al,

I got the index map into the Visual  
Aid Bureau today for blow-down to  $2 \times 2\frac{3}{4}$ ".  
I'm having 4 glossy prints made and I will  
air mail them to you as soon as I get them  
Wednesday afternoon.

Eureka!

Roger  
Talbot

June 15, 1967

Mr. Roger W. Kolvoord  
Department of Geology  
University of Texas  
Austin, Texas 78712

Dear Roger:

Thanks for the return of the manuscript. Most of the comments they make are the same ones others have made, and they will be incorporated with no problem.

If you are in a position to provide the index map that they require, it would be very much appreciated. At the moment, that is all that prevents the paper from being submitted for publication.

Will be in Austin for a few days around the first of July. Who knows, might bump into you!

Thanks again for all your help.

Yours very truly,

Alfred Traverse  
Associate Professor of Geology

AT:kaw



Friday

9 June, 1967

Dear Al,

Enclosed find the copy of the ms that the Utah Survey returned to me. I'll try to dig up the index map and get it off to you next Monday.

We are right in the middle of the move and it is a terrible rat race around here. Fortunately the movers are very slow, or it would be impossible to pack and unpack fast enough to keep things moving. As it is, we work as fast as we can and just manage to stay ahead of the game.

It'll sure be nice to be done with the jet project.

Sincerely yours,

Roger

K. L. Wood

10 May, 1967

Mr. Roger Kolvoord  
Department of Geology  
University of Texas  
Austin, Texas 78712

Dear Roger:

I enclose of copy of our paper for your perusal, corrections, and additions.

You will note--I hope not with consternation--that after the considerable additional work I have done on this I decided that reversal of the order of the authors from my last statement on that subject was called for.

The illustrations look much better when trimmed and mounted on illustration board, but what I have sent is good enough for review.

I call your attention especially to the acknowledgment thing in the references and notes section. I suppose you might like to add the persons who did the X-ray and other (if any) mineralogical work, and the name of the fellow who took a look at the stuff ~~for your~~ (however inadequately) ~~original samples~~ from a coal petrologic point of view.

In view of the long, long time it has taken me, I wouldn't blame you if you didn't return this for ages, but I would like to send it in to Science as soon as possible, so if you could send back your comments within a few days, I think it would be mutually advantageous.

I am doing a bit of work when I have moments for such things on the English jets I collected last summer, and I plan to give a little blurb as a paper at GSA in New Orleans in November on the general problem of jet.

Yours as ever,

Alfred Traverse  
Associate Professor

March 15, 1967

Mr. Roger Kolvoord  
Department of Geology  
University of Texas  
Austin, Texas 78712

Dear Roger:

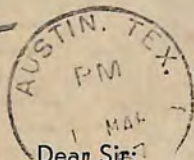
Got your card of recent date and fully understand your patience wearing a trifle thin. Actually, I have not just been marking time on the problem. I have had a raft of additional slides made, finally getting some that revealed botanically critical features (for identification to family, I hope) of the wood. I have also had an additional infrared test made and have done some more literature searching. At the moment I am trying to make some photomicrographs that will satisfy me. I have also rewritten the whole thing from stem to stern. I am hopeful and reasonably confident that I will have a manuscript to send you for perusal within a couple of weeks (if all goes well).

Glad to hear you passed that big hurdle. You're a good man, and I had no particular doubts that you would do well. Regards to mutual friends.

Yours very truly,

Alfred Traverse  
Associate Professor of Geology

AT:kaw



DEPARTMENT OF GEOLOGY  
The University of Texas  
Austin, Texas 78712

Dear Sir:

I would very much appreciate a reprint of ~~your~~ <sup>our</sup> article entitled Jet, a  
high volatile coal, from Wayne County, Utah. -  
I passed comps in December, & research is progress-  
ing albeit slowly. If I can pitch in  
some more to get the paper going, I'll be able to.  
Vol. \_\_\_\_\_, 19\_\_\_\_\_, pages \_\_\_\_\_

Thank you.

Sincerely yours,

Roger Kolvoord

20 October, 1966

Mr. Roger W. Kolvoord  
Department of Geology  
University of Texas  
Austin, Texas 78712

Dear Roger:

Just a progress report. I am very pleased with the material that you sent along. I am working on the photos and on the rewriting in the time that I can steal from other things.

My feeling remains that you should be senior author--your earlier letter on that plays down your contribution too much. I never would have heard of the problem had it not been for you. I am going to rewrite the article with that purpose. Regarding Odekirk, I believe that the best solution is to acknowledge his contribution in the paper (you can judge whether I have done this satisfactorily), but not to have him as co-author. Listing a person as co-author is, in my opinion, unethical unless the person is really in some sense co-author. (Of course, it is wrong not to list a person as co-author who has really done part of the published work, tho' I know of plenty of such instances!)

You should get the completed manuscript before long.

There is a possibility, depending on how my work with the English stuff comes out, that I may want to publish an additional paper later on the general subject of jet. I don't see why the present paper ought to be held up for that, however.

Having Dr. Ingerson proof the article is fine by me--so also the people at UGS can have a look too--as long as that doesn't delay us too much.

God luck, as ever.

Yours cordially,

*Al*

Alfred Traverse

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

17 September, 1966

Mr. Roger Kolvoord  
Department of Geology  
University of Texas  
Austin, Texas 78712

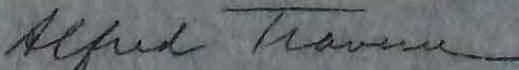
Dear Roger?

Just got back from the International Conference on Palynology in Holland. I believe my paper was well received, and I learned a very great deal.

After the meetings I rented a car in London and drove up to the classic jet locality in Whitby, Yorkshire. The jet occurs at tide level, and collecting it is a bit tricky and dangerous, but I did get a little, and something an impression of the nature of its occurrence. I also spent a morning at the geological museum in London, and the people there promised to send me a piece of one of their well located specimens from Whitby. I am sure it will come one of these days.

However, with relation to "our" Utah jet--I have had a further analysis run and all the thin sections are in hand. I don't see why I am not in a position to write up whatever it was that I was going to write for the Kolvoord and Traverse contribution. Would you please write me to let me know how we were going to handle the matter? What I would like is for you to send me the part of the paper on geological occurrence and all that with some indication of where you thought the section on the chemical nature and petrographic composition of the jet would fit in and how long it should be. I would add that in and send the paper back to you to additional editing and comment. Then perhaps I could see the final form and submit it to a journal (Science, probably.) Please do let me hear from you.

Yours with best wishes,

  
Alfred Traverse  
Associate Professor of Geology

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

16. September 1996

Dr. Magda Konzalová  
Czech Academy of Science  
Ustav geologie & geotechniky  
Liben, V Hoissovicach 41  
Praha 8, Czech Republic

Liebe Magda,

ich nehme an, daß wir uns duzen, da auf Englisch wir Magda und Alfred benutzen. Ich schreibe auf Deutsch, weil Du und die anderen Autoren das Buch "Die obereozäne Flora der Staré Sedlo-Schichtenfolge in Böhmen..." auf Deutsch geschrieben haben. Es ist auch eine kleine Gelegenheit die Sprache zu üben. Ich habe mein Deutsch in Frankfurt 1991-92 sehr verbessert. Betty ist jetzt auch deutschsprachig und hat sogar eine Dissertation in der deutschen Abteilung dieser Universität geschrieben--sie ist nun auch "Dr." Traverse. Ihr Fachgebiet ist Mittelhochdeutsch.

Ich möchte mich für das Buch bedanken. Ich habe es sogar mit Spaß gelesen--es erinnert mich natürlich an die "Brandon Lignite." Du hast meine 1955 Arbeit zitiert, aber meine 1994 rividierte Ausgabe ist jetzt die richtige Version. Falls Du es nicht bekommen hast, schicke ich Dir als Beilage eine Kopie davon. Ich schicke auch andere Publikationen, die ich --so Deine Karteikarte--Dir nie geschickt habe.

mit besten Grüßen, auch an Jan

Dein

Alfred Traverse

Anlagen

P. S. Ich bitte um Entschuldigung, daß Deine Adresse so schlecht ist--ich konnte es auf einem Umschlag kaum entziffern.

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

9 September, 1992

Dr. Magda Konzalová  
Ceskoslovenská akademie von  
Ústav geologie a geotechniky  
Praha 8 - Liben, V Kolesovickach 41  
Czechoslovakia

Hope this reaches you. Your letter of 21-VIII-92 had no return address either outside or inside. We greatly appreciated the letter, and have so often thought of you and Jan, especially when we see news of your country on TV. We are very happy that it is no longer necessary to fight against Communism, but we are very disturbed by the recent troubles.

Betty and I were in Frankfurt for the first 6 months of 1992. I was at the Senckenberg Museum, and Betty was working at the University, in connection with her doctoral dissertation research in German literature. As a Fulbright professor I had some obligations, such as a weeklong conference in Berlin. There was no chance for "foreign" trips, except for one to Zürich to give a lecture, and one to London to confer with Chaloner, Boulter, Scott and Hemsley.

One of these years we still plan to visit "Golden Prague" again, and other places in eastern Europe, too. In the meantime we hope life will be good to you both. Should it ever be possible, we would love to see you here!

Yours very truly,

Alfred Traverse

AT/et

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

12 February, 1990

Dr. Magda Konzalová  
Československé akademie věd  
Ústav geologie a geotechniky  
Praha 8 - Libeň, V Holešovičkách 41  
Czechoslovakia

Dear Magda:

Betty and I were thrilled by the beautiful Praha calendar. We posted the Civic Forum poster outside our door, where it has been much admired. The Forum position paper was sent on to a refugee professor from Prague. Thanks very much for all.

We, of course, watched hours of live news coverage of events in Czechoslovakia, and we tried to see if we could pick out Magda and/or Jan in some of the crowd pictures (we never did).

My father used to say, "It's a long road that has no turns." Now, Czech-Slovak industry, agriculture, tourism, etc., must show what it can do in a free Europe. The competition will be stiff.

All the best.

Yours very truly,

Alfred Traverse

AT/et



Prague, Christmas Day, 89

Dear Al,

many, many thanks for your excellent book, I was very enjoyed by your generous gift. My congratulation to your handbook, first in our field.

In this year we shall celebrate the first free Christmas and in several days it will be the president election. We all hope it will be the best man we have, the well known deeply humanic and democratic man, the writer and fighter for the human right, Mr. Havel. We have alived the change about which we hadn't dare to dream /neither in the bed under the pillow/, in the unbelieved short time. Every day and every hour were exciting, full of stress and great hope, where it was going about all. The atmosphere was - inspite of all stress and dramatic fight /on the field of clear brain and moral/- quite unic and full of kidness in social relations. It is marvellous how quickly are borned or renewed all the positive features of human beeing when disappear the oppression of might /its deepest influence are described in Kafka's masterpiece novel/.

Now we are schocking by the last events in Romania, we all are deeply solidar with the people and and we have had immidia'tely organized the help. Please, remind of them.

All, deep thank to you and Betty and all your friends for all the sp. support in blessing and everyday reminding, also we are with you. To you and all dears of you, the best Christmas and successful days in the comming Year.

*Lucy + Jan*

P.S. - With the Prague calender also the P.F. of the most famous nowadays association of people in my country- the citizen forum.

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

23 October, 1989

Dr. Magda Konzalová  
Ceskoslovenská akademie von  
Ustav geologie a geotechniky  
Praha 8 - Liben, V Holesovickach 41  
Czechoslovakia

Dear Magda:

Under separate cover I'm sending you a copy of my textbook as a gift, since Steve Manchester writes that you expressed an interest. I can't afford to do this for many, but Magda is a very special old friend!

Betty and I wish you all the best, as ever. We remember our visit to you in 1981 with great pleasure.

Yours very truly,

Alfred Traverse

AT/et

6 January, 1986

Dr. Magda Konzalová  
10,000 Praha 10  
Gutova 42  
Czechoslovakia

Dear Magda:

So sorry to hear of your and Jan's mothers' deaths. That's hard. We have had a rough year with Betty's parents. We were out there (Indianapolis) for Christmas, and Dad had a small stroke while we were there. He and Mother are in a nursing home.

About the Senonian pollen work--I'll do whatever you want me to do, of course!

Enclosed are copies of the only photos I took in the vicinity of the old Jewish cemetery. I just noticed you asked for them on your 1984 seasonal card. I was sure I had another photo of the whole cemetery, but I can't seem to find it. If I do, I will have it copied to send you.

Best wishes.

Yours very truly,

Alfred Traverse  
Professor of Palynology

AT/et



Mr. Alfred Traverre Ph.D.  
 Professor in Botany  
 Dpt. of Botany  
 Pennsylvania State University  
 University Park,  
 PENNSYLVANIA 1680.

U.S.A

PAR AVION

Prague, 13/XII/84  
 Dear Al, it's pleasure to remind  
 you and Betty, twice in the X-mas  
 time. We wish you all, what we  
 calmly wish also for us - pleasure  
 open and good mind and encourage-  
 ment for all good.  
 Thank you for your last pa-  
 per - Handwritten - Winkochran -  
 it's very interesting. Please notice the  
 change of my address: Gutova 12,  
 11006 Praha. The new official address  
 is written in the last paper I have sent  
 to you. Love, Magda & Jan (a very mother)

Have you the photos from the  
 old country where we were together?

Nakladateľstvo PRAVA, Bratislava

16 March, 1981

Dr. Magda Konzalová  
Ceskoslovenská akademie von  
Ustav geologie a geotechniky  
Praha 8 - Libeň, V Hořesovickach 41  
Czechoslovakia

Dear Magda:

It was such a thrill to be with you all again, though I must confess that my illness was a big handicap--I was in terrible shape. Had the visit been to another Western country, I would have sought a postponement, but after the trip to Bern for our visas, and all the negotiations with Čedok (and the advance payment), it didn't seem possible to postpone. Actually, I am still not completely well, but am much better. (note from Betty who is typing this-- I think the Tilia tea has helped the cure very much--it has made Al better and has kept me from catching the flu.)

Many thanks to you for all your kindnesses--we will always remember them and you. The sandwiches and the cakes, and the farewell card were so thoughtful and so much enjoyed!

You will recall our mutual paleobotanical interest in amber. I failed to ask you whether there are localities in Czechoslovakia-- or were the specimens I saw all from the Baltic?

All the best until we meet again.

Yours very truly,

Alfred Traverse  
Visiting Professor

AT/et

3 March, 1981

Dr. Magda Konzalova  
12000 Vrushrady  
Vrushradska 93  
Czechoslovakia

Dear Magda:

Your letter and also the "official" letter from your chief came yesterday. We had been delaying getting visas until we heard; now because of shortness of time, we will go personally to Bern on Thursday to get our visas at the Czechoslovak embassy. Our travel agent advises us to get our hotel reservations from them also.

We will leave here at 7:07 a.m., arriving in Prague at 9:20 p.m., on Monday, 9 March (by train). It will be nice to see you at the Prague railway station if it is possible. We are really looking forward to the visit. Don't worry about the weather. I have a reputation for bringing good weather--perhaps my connection with the chief meteorologist is responsible.

All the best until next Monday.

Yours very truly,

Alfred Traverse  
Visiting Professor

AT/et

P.S. Re our program--Betty would like to see the labs (she is my assistant at PSU), but mostly we would like to see 1) you all, 2) as much as humanly possible of "Golden Prague".

Dear Al,

many thanks for your letter - now we know the date of your visit in Prague - the official letter of my Director is on the way - or - may be - you have already got it. It's the official promission for the visiting of our Institute, involving our laboratory, too. But please - one serious thing - the accommodation is not arrange from our side. It is necessary - or would be the best - to arrange it in Zürich, by the Switz. travell-agency.

I have spoken about your visit with Milada. Have you and Betty more interfest in the laboratory visit or in the history of the City? I suppose in both - because of Betty, she wasn't in Prague up to now. Sorrowly, Prague is rather poor in this season, grey and black in the smelting snow. Mai would be much more representative for the first visit, but it's the time when you are leaving Switzerland. Sorry. But the town is not the only thing - the meeting of people and specialists is the topic.

We are looking forward to your visit. Please, let us know the train of your arriving in Prague.

Best regards for you both,

sincerely *Magda*

*Konzalova*

Prague, 23.II.81.

Czechoslovak Academy of Sciences

**INSTITUTE OF GEOLOGY AND GEOTECHNICS**

V Holešovičkách 41  
CS — 182 09 Prague 8, Libeň

20.2.1981

45/81

Dear Professor Traverse,

Replying to your letter of January 26 I would like to inform you that Dr. Konzalová is ready to welcome you in our Institute on the occasion of your visit to Czechoslovakia. After your arrival, please, contact her by telephone /No 27 92 47/.

As to your intention to meet Dr. Pacltová and Dr. Kalibová it will be necessary for you to apply to the Charles University, Faculty of Nat. Science, Albertov 6, 128 00 Praha 2 and Geological Survey, Malostranské nám. 19, 110 00 Praha 1.

Sincerely yours,



Dipl. Ing. GUSTAV ŠEBOR, DrSc  
Director

Mr. ALFRED TRAVERSE  
Visiting Professor  
c/o Ecole Polytechnique Fédérale  
Zürich  
Institut de Géologie  
Sonneggstrasse 5,  
CH-8006 ZÜRICH  
Switzerland

26 January, 1981

Dr. Magda Konzalova  
12000 Vrushrady  
Vrushradaska, 93  
Czechoslovakia

Dear Magda:

Thanks for your nice card with the photo of "Kleinséitner Brückenturm".

I have sought counsel here about the best procedure for our visit to Prague and have been advised I should go the "official visitor" route. I don't know if there is enough time for the arrangements to be made, but I have written the office you suggested and am requesting the second week of March. Betty and I would plan to travel to Prague on Monday, 9 March, spend Tuesday-Wednesday, 10-11 March in Prague, and return here on Thursday, 12 March. Not much time, but all I can take from my schedule here, and perhaps enough of an interruption for all of you too. Hope it suits. Regards to Jan.

Yours cordially,

Alfred Traverse  
Visiting Professor

AT/et  
cc: B. Pacltova, M. Kalibova-Kaiserova

31 July, 1980

Dr. Magda Konzalova  
Czechoslovak Academy of Science  
Geological Institute  
120 00 Praha 2, Vnohradská 93  
Czechoslovakia

Dear Magda:

Appreciated the lovely postcard of glorious Prague--thanks so much, and for the greeting to me via Milada. (She looks younger all the time--it was good to see her.)

Yes, Betty and I are still planning to spend winter-spring terms, 1980-81, in Zürich, and (money and visas permitting!) we shall certainly visit Prague and our friends there when it is mutually convenient.

Very best wishes, dear friend.

Yours very truly,

Alfred Traverse  
Professor of Palynology

AT/et

Prague, 27.6.80

Dear Al,

it was pleasure to hear something of you!  
Sorry, I can't meet you in Cambridge - it is difficult  
for me /for us both/ to go abroad. I am glad that Mila-  
da attempt to visit C. - she will inform me about the  
Congress-meeting.

It would be nice to meet you personally - I ho-  
pe it would be possible in the next year if you and Betty  
realize your plan of winter travell.

Heartily regards for all I know - especially for  
you, your wife and colleagues L. Hickey, D. Dilcher and  
for prof. Kremp and dr. Srivastava if they are present.

Love,

*Margda & Jan*

*Konzova*

21 May, 1980

Dr. Magda Konzalova  
Czechoslovak Academy of Science  
Geological Institute  
120 00 Praha 2, Vinohradska 93  
Czechoslovakia

Dear Magda:

Thanks for the nicely illustrated, interesting paper on Salvinia megaspores. (One very small editorial matter: SEMicrographs should not really be called "photo" micrographs?) It was also nice to hear from you personally. I hope you make it to Cambridge.

It is possible that we (Betty and I) will be in Switzerland this coming winter. If so, "Golden Prague" is one place I'd like to visit.

Yours very truly,

Alfred Traverse  
Professor of Palynology  
President, ICP

AT/et

Magde-Kampfer

Prof. Dr. Alf. Trautner

Dep. of Geol. & Geophy.  
Pennsylvania State Univ.  
University Park

PENNSYLVANIA 16802

Pennsylvania - USA

KALENDER • ALBRECHT DÜRER UND SEINE ZEIT • 1977

Dear Al

Prague, 12/12

78

Love with you  
and with all yours together  
with the Christmas message!

We remember you so often,  
we know, you remember  
us too, its very warm fe  
eling. - Our congratulation  
to your work in the IPA, you  
are very active. Have you  
got my work "Lower Mesozoic  
? ? ? We are

ALBRECHT DÜRER (1471-1528)

Carla mit den vielen Tieren (um 1500)  
Sonderzeichnung, aquarelliert, 37,1 x 24,3 cm  
(Ausschnitt)

Wien, Albertina

W E B E A S E E M A N N • L E I P Z I G

Prague, 22. XII. 75

Dear Al

Thanks for the letter with the best wishes -  
was and New Year wishes - and not only the  
wishes!

In every time it's pleasure to read your  
letter! In the last time (month) we had to care  
for the mother in Prague, she was had ill,  
(I hope now it'll be better now) so I had little time.

Uilada was in Twolven last month, I hope  
also she has written you. I met her during  
the conference - meeting hold in Prague last  
week. I suppose she wrote you too.

It was interesting to read about the jour-  
ney to the Black sea. What you would say to  
"stopping" in Prague? It would be very nice, if you  
may (can) think over it!

Yours  
M. J.  
Kongalova

December 3, 1975

Dr. Magda Konzalova  
Czechoslov. Academy of Science  
Geological Institute  
120 00 Praha 2, Vinohradská 93  
Czechoslovakia

Dear Magda:

I'm not sure that I acknowledged the receipt of the very welcome bunch of reprints which came a couple of weeks ago---including "The genus *Salvinia*", "Pflanzliche Mikrofossilien...Schlesien", several Precambrian contributions, etc. I have enjoyed reading them all and certainly appreciate your thinking of me. The feeling is reciprocated, and I only wish that I could be with you and Jan again. Best wishes and a happy holiday season.

Yours very truly,

Alfred Traverse  
Professor of Palynology

AT:jb

Prague, 28.9.

Dear Al,

it was great pleasure for us to read your letters - they remember us your visit in Prague and it was very fine time for us! We have read also with pleasure about your meeting with your wife in <sup>the</sup> airport and enjoyed about it very much. Pity, all beautiful time of holidays is over! We were with Jan in the vicinity of Berlin and spent there very fine time too.

Don't worry about C. - it is all in order - really! I got all by the post. In this week I have got your reprints - many thanks for them - I am very glad to have them. <sup>To</sup> Milada I have sent the reprint, she is now not in Prague. She returned from the Mos.-karbon meeting but up to now I have not spoken with her. But she wrote me ~~from~~ Mos.

Under separate cover I have sent you the reprints you left here - I hope you will received them in order. I must apologize me for sending so late but I was with J. on the holidays.

Every day we <sup>are</sup> remembering you - we have also your ash-tray on our table, ~~and~~ remembering you in Penns.

Please, take our best wishes also <sup>to</sup> your wife and all the best for your and your family,

your

Ungar K.  
Konzalova

8 August, 1975

Dr. Magda Konzalova  
Czechoslov. Academy of Science  
Geological Institute  
120 00 Praha 2, Vinohradska 93  
Czechoslovakia

Dear Magda:

At last, I am back home. I will be going in the field to North Dakota with one of my students in September and then to Texas in October (AASP meetings). However, at the moment I have some days to get caught up on correspondence and that sort of thing. My wife and I had a good time in Luxembourg, Belgium, and the Netherlands. She and I arrived almost simultaneously in Lux.-- the Icelandic plane was two hours late, and as the Czech plane was coming down I could see my wife's luggage being taken off her plane. We had a rent car and really enjoyed ourselves. On the way home we spent two days looking at lava flows, glaciers, geysers, volcanoes and so forth in Iceland. A fascinating country!

However, the main purpose of this letter is to tell you how much I enjoyed the brief time in Prague and especially the personal contact with you and Jan. Both the evening at your home and the tour of the castle and environs with the nice supper afterwards are indelibly printed in my memory, along with the visit to your lab, which, as I told you at the time, impressed me as the nicest place to work I was shown in Prague. You were very generous with your time, and I greatly appreciated it. I was also impressed with the quality of your work.

Under separate cover I have sent you a batch of reprints. I firmly intend to keep in touch with you from now on!

Thanks again for your wonderful hospitality. Please let me know how you make out with Olga. It worries me.

Best wishes to your husband. All the best to you, too.

Yours very truly,



Alfred Traverse  
Professor of Palynology

P. S. My secretary quit while I was away--this is self-typed.

*The trilobite is in a prominent place in my office!*

Hunt Institute for Botanical Documentation