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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 New York Times

TIMES SQUARE NEW YORK 18 NY

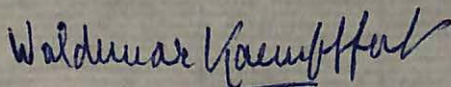
LACKAWANNA 4-1000

March 18, 1952

Dear Mr. Traverse:

In reply to your attached note of February 6th, let me say that I have taken this matter up with the General Electric Company and they admit that technically you are right. From the tone of their letter I take it that they will persist in their erroneous ways.

Faithfully yours,



Waldemar Kaempffert
Science Editor

Mr. Alfred Traverse
U. S. Bureau of Mines
Box LL, University Station
Grand Forks, North Dakota

U. S. Bureau of Mines
Box LL, University Station
Grand Forks, North Dakota

6 February, 1952

Mr. Waldemar Kaempffert
New York Times
Times Square
New York City

Dear Mr. Kaempffert:

I was surprized to see your usually very accurate science column attribute foliar organs to the Thallophyta.

a PHOTOSYNTHESIS
n ~~Kaempffert~~
g Tiny green leaves are still outsmart-
r ing man in the field of chemistry, ac-
e cording to Dr. Dean Burk of the Na-
- tional Cancer Institute, Bethesda, Md.
o He told a General Electric Science
- Forum audience that algae, one-celled
- plants often seen as green scum on
a ponds, absorb sunlight and convert it
- by a process of photosynthesis into
- chemical energy more efficiently than
a any known man-made mechanism. If
i this mechanism can be duplicated in
e the factory, science may be able to
produce unlimited supplies of food and
fuel. The energy in sunlight falling on
the United States daily is equal to sev-
eral times the amount now used for
food, heat, light, transportation and
manufacturing, according to Dr. Burk.

Yours sincerely,

Alfred Traverse

Alfred Traverse

4 February, 1985

Mr. E. J. Kahn, Jr.
New Yorker
25 West 43rd St.
New York, NY 10036

Dear Mr. Kahn:

Don't want to make you answer again--you needn't. However, you misunderstood me--I wasn't challenging your story on triticale, merely noting that Zea mays itself is (one way or another) a man-created entity, whereas you reserve that "honor" for triticale.

By the way, the potato article was super and reminded me of frequent ~~association~~ with Donovan Correll, when we were both botanists in Texas. He was doing potatoes at Texas Research Foundation.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

18 January, 1985

Mr. E. L. Kahn, Jr.
New Yorker Magazine
25 W. 43rd St.
New York, NY 10036

Dear Mr. Kahn:

Have enjoyed your foodstuffs articles greatly.

In the article on cereals, I note two slight errors, or incomplete explanations you might wish to correct, or add to, for later versions.

The first I noticed because in the long ago I attended seminary and studied the history of the Eucharist in depth. On p. 79 of your article you say that Jesus ate unleavened bread (matzoh) at the Last Supper. That assumes the supper was a Passover meal. Indeed, that is what the three synoptic gospels say, and is the tradition followed in the Western Church. Thus, the priest's and people's hosts I used to consecrate on a paten were little matzohs. However, the fourth gospel says the last supper was before Passover, and the whole Eastern Church follows this tradition, and the Orthodox still consecrate, not a matzoh, but a leavened loaf of bread.

Secondly, on p. 102 you say that triticale is the first cereal made by man. Zea mays, Indian corn, is almost certainly the prior claimant to this distinction. It has never been found wild. Opinion is divided between it being a selected hybrid from teosinte, or a mutant form of teosinte. In either case Homo Sapiens was the selecting agent. All of this I know as a former student of Paul Mangelsdorf in the even-longer-ago.

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

16 April, 1990

Dr. Milada Kalibová-Kaiserová
State Geological Survey
Malostranské nám. 19
118 21 Praha 1, Czechoslovakia

Dear Milada:

What a nice surprise to get a batch of reprints from you again. Thanks very much! I especially liked the Lower Permian study, as I do some work at that level too.

We have both followed events in your country with great interest and (mostly) pleasure. On of these years, we'll visit again.

All the best to you and yours.

Yours very truly,

Alfred Traverse

AT/et

Merry Christmas 7/12 86
RADOSTNĚ VÁNOCE
and a happy New Year
A ŠTASTNÝ NOVÝ ROK,

125
-9. 12. 86
13
X
dear Al and Betty
cordially Milada

How are you and your grandchildren? This summer I spent some days travelling with Mrs. Hilde Gube in Holland and Germany - but I have no possibility to work in paleontology - sometimes I am as a pedagogue with the children in various part of the country in the school in the nature. I should be very glad to find the opportunity to visit USA.

Kolorovaná kresba J. Lady
Tisk Severografia
Thomas has two sons, just this year is in the army service.

Kalibora



Mrs.

Dr. Alfred Traverse

Seike Building

Pennsylvania St. Univ.

University Park

Pa 1 6 8 0 2 |||

USA

13 December, 1984

Kalibová-Kaiserová, Milada

13.12.84

Thank you for the interesting letter of 5. March.

Have you taken part in the palynological conference in Calgary? I couldn't find a position anywhere in paleopalynology.

In spring and autumn I attended four courses (always three weeks) as educator in "the school in the nature" with 7-8 schoolchildren. I could alone enjoy various Slovakian mountains, the charm of the forests abounding with plants, mushrooms and deer. Melancholic beauty and tranquillity was lovely!

How are you and your grandchildren? Our Thomas is lovely.

Will you go to Bulgaria this summer - also to Mrs. Lachová?

With Christmas Greetings
and Best Wishes
for the New Year
to Al and Betty
from

Milada

5 Mar., 1984

Dear Milada:

It was so good to hear from you and to have a letter on your personal stationery, written "from home" that I decided to reciprocate in kind.

How you ever managed to get so good in English I'd like to hear sometime. Now, you are almost perfect! My congratulations!

The long awaited first grandchild has come--Anna Traverse, born in Virginia on 18 Jan. The parents are our son, John, and his wife. He runs a bookstore near the University of Virginia. We mentioned two prospective grandchildren because our other son and his wife expect one in May. He (Paul) is a physician, and he did an amniocentesis on his wife, so that he knows it's a 46 X-Y, in other words, a boy. Our children do all sorts of weird things!

Your very deprived working conditions have worried me for years, but there is of course nothing to do-- or I'd do it. Naturally, if you ever do need a ~~flavor~~ book or what have you, don't hesitate to write me. On the other hand, I hear even sadder information from my friend in Switzerland, where there isn't a single position anywhere in pre-Quaternary paleopalynology. He (Peter Hochuli) will probably have

leave Switzerland and come to North America.

Do you remember that I had a terrible cold in Prague the time you had to go out in the rain to find my camera for me? Believe it or not, I now have the first cold I've had since Prague, and it has been wicked. It's hard to work with students all the time without constantly being exposed to ~~the~~ viruses. The students have a week off just now--Spring Break--most of the wealthier ones go to Florida for a week-long party. But the professors have to work as usual. Today, for example, I worked with a financial officer on a grant proposal to support two of my graduate students by more research in the Triassic. I also worked with another graduate student who is very good with math on the review I am supposed to do for "Paleobiology" of a mostly mathematical palynology paper. I also helped another grad student take a batch of color photomicrographs for his paper for the Geol. Soc. Amer. Northeast meetings next week in Rhode Island. I should go to be with him but can't possibly take time. I also worked with ~~a~~ a student who has been doing a project on pollen in honey--it's a consulting project for a chemical company who is being sued because bee-keepers claim the chemicals the company makes are killing the bees. I also worked with a student who is trying to finish a project I assigned her last semester to work up the palynoflora of a Jurassic shale--very puzzling. It's full of organic matter but has practically no palynomorphs. Odd.

I will be going to Calgary all right, but it is

awkward--our university has adopted a new calendar plan under which we begin the fall (!) semester on 15 August. I give two courses (palynology, evolution) in the fall, and it will be very hard to be gone for more than a couple of days, so I can't take part in field trips, nor can I take a carload of graduate students, as I had planned. I'll just have to fly out there and back.

Glad to hear you're keeping fit with swimming and all. Sounds like my wife. She is into cross-country skiing and hiking as well as swimming. I don't seem to have time for such, though working around our country place, cutting wood, building fences, etc., gives me quite a bit a exercise.

Betty and I will apparently be going to Bulgaria for several weeks this summer. The Bulgarian Acad. Sci. has invited us. Should be interesting. However, I have an elderly mother (91), and Betty's parents are also old, and there is always a possibility that something could happen to make the trip impossible. Actually, as of now, my mother is marvellous--lives alone in her own home, argues with the plumbers, pain etc. Very young in spirit and very spry.

Well, grandma, that will be all from ol' grandpa. It was good to hear from you. We will try to get to CZ. again one of these years. I love Prague. Of course, we would enjoy having you here, but I understand that is extremely unlikely. All the best.

Yours very truly,

11. 1. 84

M K

Dear Al,

Thank you for your nice card and excuse my delay in writing.

I also wish you and all your family happy New Year and hope it brings you everything good and nice. What a lovely prospect to expect two grandchildren! Are they supposed to be twins? I have got the first grandchild - a baby - boy Thomas.

I have finished my work in Geological Survey and also my work in ^{the} Glad-
mo where I was dissatisfied and have retired from 1. 1. 1984. I am not yet sure what I shall do but I am longing round if I could continue in my field somewhere.

With interest I always read the AASP Newsletter, especially ^{with} last year "forum" ^{and other} with your comments. I have informed about it in a small contribution in the periodical *Basiss pro mineralogii a geologii*.

How are you and your family?

I hope you are working on some interesting projects and are looking forward to go to Calgary. I am trying to get permission to get there but I don't believe to be successful.

I often remember your visits to Prague and hope you will come again. Last year's summer holiday was exceptionally warm, I travelled all around Czechoslovakia and had plenty of opportunity for swimming. I keep it up even in winter in an indoor-pool after keep-fit exercises. Our winter, unlike yours, has so far being very mild - without snow for skiing (my younger son is very interested in this sport).

With best wishes for yourself and your wife.

Cordially

L. C. C. C.

Karlová -

Kalifornie

3 March, 1981

16 March, 1981

Geological Survey
Malostranské nám. 19
110 00 Praha 1,
Czechoslovakia

Dr. Milada Kalibova-Kaiserova
State Geological Survey
Malostranské 19
Praha 1, 110 00 Czechoslovakia

Dear Milada:

Please forgive us for racing to the train! There is only one train a day, and I was too ill to risk any problems. We were, of course, overjoyed that you came on to the station to say goodbye.

We could not help appreciating the way that dear Milada, the only person 100% innocent in the question of my misplaced camera, was the one who had to stay up all night searching for it. And, of course, I was delighted you could recover it for me, still standing quite out in the open! In America, I fear it would have long since "disappeared"!

Thanks also for all your other help--I wish I could have been well. I do hope the future will bring us together often.

All the best.

Yours very truly,

Alfred Traverse
Visiting Professor

AT/et

P.S. (from Betty, who is "et")--I want to add my greetings and THANKS for all you did for us in Prague, especially for recovering Al's camera. Had I been familiar with the city, I would have gone for it myself, but I guess that would not have been possible, certainly not wise. Also thanks for the apples, the coffee, the candy, the cookies, but most of all for your wonderful company!

3 March, 1981

Geological Survey
Malotranské nám. 19
110 00 Praha 1,
Czechoslovakia

Dear Sirs:

As you can see from the enclosed, I have been granted permission to visit the palynological laboratories of the Czechoslovak Academy of Sciences, during the period 9-11 March.

Although Dr. M. Kalibová of your Institute knows of my visit from correspondence, I had not realized that I needed to get separate permission to visit Dr. Kalibová.

There is not time for a return letter from you, but perhaps if you are agreeable, you could inform Dr. Kalibová that my visit is approved, and she can inform Dr. Konzalová, who is integrating my visit.

Yours very truly,

Alfred Traverse
Visiting Professor

AT/et

cc: Dr. Konzalová
Dr. Kalibová

enclosure: xerox of permission letter from C.A.S.

6 September, 1982

Dr. Milada Kalibová-Kaiserová
Pospkšilova 5
13000 Praha 3, Czechoslovakia

Dear Milada:

Thanks for the reprints. I hope you are o.k. I gather from your note that you are (incredible!) retired?! I do hope we'll meet again one of these days--you were so good to me (and Betty) on my two trips to Prague!

Very best wishes.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

28 January, 1980

Dr. Milada Kalibova-Kaiserova
Ustredni Ustav Geologicky
Malostranske nam. 19
11821 Praha 1 - Mala Strana
Czechoslovakia

Dear Milada:

Got your 1979 paper about Carboniferous spores and have read it with great interest. I often think of you, your family and your research.

I also got and was deeply touched by your seasonal greeting card.

All the best.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et



Columnar jointing of basalt near Varnsdorf, northern Bohemia

Photo V. Mlýnek

pf 1979

With best wishes

Milada

1978



GEOLOGICAL SURVEY, PRAGUE, 118 21 PRAHA 1, MALOSTRANSKÉ NÁM. 19, CZECHOSLOVAKIA

Hunt Institute for Botanical Documentation



1977

pf 1978

*Best wishes to you and all the family
for Christmas and the New Year!*

*We very much enjoyed your visit in
Prague and hope to see you again.
Where have you been in the field?*

Love, Ludlada K.

5 May, 1977

Dr. Milada Kalibová-Kaiserová
Ústřední ústav geologický
Praha 1, Malostranské nám, 19
Czechoslovakia

Dear Milada:

Thank you for yours of April 20. I have co-signed the membership application for AAASP. I am delighted to know that you are going to join. It seems a shame to send the membership application all the way back to Czechoslovakia, but that's what you asked me to do.

In response to your questions--I can't say when I might be able to visit Prague again. If it were financially possible, I would leave tomorrow! All the best to your family and to my other friends in Prague.

Yours very truly,

Alfred Traverse
Professor of Palynology
President, ICP

AT/et
encl. AAASP membership application

Dr. Alfred Graverse

Avril 20, 1977

Professor of Palynology and President ICP
The Pennsylvania State University
University Park, Pennsylvania 16802

Dear Al!

I have received from W.C. Elsik the Membership Application Form for AASP. I would be very grateful to you for your signature on the attached form. Please send it back to me, I thank you in anticipation.

How are you? Where will you come to Czechoslovakia?

Best wishes to you and your family.

Yours very truly

Lucas Holand - Kairns

12.6.1976

Dear Al!

I have just received the xerox copy of my work. Many thanks for it.

I don't know till yet if I could be able to go to the Palynological conference in Lucknow, I have asked at the bank to the money. I hope that you will be lucky to attend both meetings /Halifax and Lucknow/. Where are you going for the holidays with your wife?

Best regard from our family and Magda K. to you.

Yours very truly

Ursula Kármán - Kármán

March 29, 1976

Dr. Milada Kalibová-Kaiserová
Ústřední ústav geologický
(State Geological Survey)
Praha 1, Malostranské Nám. 19
Czechoslovakia

Dear Milada:

Thanks so much for yours of 8 March. I am sending you under separate cover the xerox copy which you request. Thank you very much for your cooperation in this matter.

I am very sorry to hear about Dr. Nemejc's death. From what little I saw of automobile driving in Czechoslovakia, it is not hard to imagine that there are occasional accidents, but what a pity it had to be such a talented person.

Regarding Halifax and Lucknow--I am hoping to be present at both the meetings, but at this point have no idea where the money will come from to pay for the trips. I should think that even if I have outrageously bad luck I should "break even"--in other words, get to one or the other of the meetings. I hope that your question implies that you might be able to make one or both of them also. Best wishes to your family and to my other friends in "Golden Prague"!

■

Yours very truly,

Alfred Traverse
Professor of Palynology

AT:jb

Dear Al,

March 8, 1976

I thank you for your letter of the January 15. You may keep the reprint of my paper "Megaspores of the Radnice Coal measure zone of the Kladno-Rakovník coal basin". As I have only copies of this monograph in Czech I should be very glad if you could send me one xerox copy in English.

I am very sad to inform you that our first professor of palaeobotany prof. Dr. F. Němejc died yesterday being a victim of a car accident.

Are you going to Halifax for the next "get together" of AASP and CIMP and to the IV. International palynological conference in Lucknow?

Best wishes to you and all the family.

Yours very truly

Milada

Milada Kalibová - Kaiserová

Esbeck

Fidelity Onion Skin
100% COTTON

January 15, 1976

Dr. Milada Kalibová-Kaiserová
Ústřední ústav geologický
(State Geological Survey)
Praha 1, Malostranské Nám. 19
Czechoslovakia

Dear Milada:

I am so happy to have the copy of "Megaspores of the Radnice Coal measure zone of the Kladno-Rakovnik coal basin". I do hope this does not mean that you are absolutely without a copy of the monograph. If so, please let me know so that I can send you a xerox copy or return the original. Inasmuch as I would like to have the possibility of covering the publication in the Catalog one of these days it would be much better if I could retain the original, but I could certainly send you a xerox copy or even two xerox copies if that would be helpful to you.

Thank you also for the included mementoes of Praha--a place I have high on my list of spots to which I would like to return--next time with my wife along.

Thanks so much for the publications. Best wishes to all of my warm friends in Praha.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT:jb

December 12, 1975

Milada Kalibová-Kaiserová
Ústřední ~~ústřední~~ geologický
(State Geological Survey)
Praha 1, Malostranské nám. 19
Czechoslovakia

Dear Milada:

There's any chance that you could obtain for me for use
in our Catalog, a photo-copy of your 1951 paper! "Megaspores
of the Radnice Coal Measure Zone of the Kladno-Rakovnik Coal
Basin---Geol. Surv. Czechoslovakia 18 (Pt.1.) 21-83"? I need
this for reference and possible coverage, and no copy exists
here.

Best greetings for the holidays!

Yours very truly,

Alfred Traverse
Professor of Palynology

AT:jb

October 15, 1975

Dear Al !

I very much enjoyed the pictures that I received today and that will remember us your stay in Prague. One of them I brought to Dr. Pacltová as I was today on the university to discuss with her some problems on palynology; the other I threw into the letter-box of the Academy in Vinohradská street. Thanks for sending me the paper on Palaeopalynology.

VIII. international congress on carboniferous stratigraphy and geology in Moscow with the meeting of CIMP was very interesting. I met there many palynologists especially from USSR. The next congress will be held in Washington in the year 1979.

I enjoyed your visit in Prague and hope to see you here again next year with your wife.

Best wishes and greetings to you.

Cordially,

Uwladar

M. Kalibová - Kaiserová

P. S. Blanka and Magda got Czech brandy of you. In our family we have drunk for your healthy some days before your birthday (which ^{day} I spent 8 hours waiting at the airport ^{Min. weekly} for the plane to Moscow!).

October 7, 1975

Dr. Milada Kalibová-Kaiserová
Ústřední ústav Geologický
(State Geological Survey
Praha 1, Malostranské Nám, 19
Czechoslovakia

Dear Mialada:

Enclosed are three of the pictures of me and my "Czechh girlfriends". Would you please see to it that Dr. Pacltova and Konzalova each get one of the copies? Thanks for the postcard from the Soviet Union. Good to know that you're continuing to get around to the various meetings. I sure enjoyed my visit with you in Prague.

Best wishes as always.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT:jb

Enclosures: Photos

Вид на Эльбрус.
Фото Г. Костенко.

Dear Al:

49.75

Many best regards from the ex-
cursion of the congress.

I thank you very much for your
nice letter and especially for your
visit in Prague which I and all my
family much enjoyed. It's nice that you
have spent agreeable holidays in the new
countries. I received the paper of V. F. Stone
at the same day as your letter. I thank
you for it. We hope to see you with your
wife in our country as soon as possible.
I am looking forward to attending the
C.M.P. meeting next week
in Moscow.

With greetings cordially yours

Rerard



USA

Куда To 529 Deise Building
Pennsylvania State Univ.
University Park, Pa. 16802
Кому Dr. Alfred Trautner

Индекс предприятия связи и адрес

отправителя:

M. Kalibova - Kaiserov
Praha 4, Malostranske 19



Издание Министерства связи СССР. Л 50314 3/12 1972. М. Проф. Зав. 12075. Цена 4 коп.

Индекс предприятия связи места назначения.

DR. ALFRED TRAVERSE
529 Deike Building
Pennsylvania State University
University Park, Pa. 16802

8 August, 1975

Dr. Milada Kalibová-Kaiserová
Ústřední ústav geologický
Praha 1, Malostranské nám. 19
Czechoslovakia

Dear Milada:

Just a word to let you know I got home safely and that I GREATLY appreciated the effort you put into making my days in Czechoslovakia memorable. You were just the perfect hostess.

That last scene of you and me running across the field to catch the airport bus is certainly memorable! I just can't imagine how you find the energy for that sort of thing. I appreciated the candy you gave me on the way out, and Celia enjoyed both the puzzle and the "coaster" Yaroslav sent for her.

It was good of you and Tomas to spend so much of Saturday with me, and I especially enjoyed seeing some of real Czech life that way. You have a charming family!

I regret that you do not have better working conditions, as I have considerable respect for the quality of your research, and I wish you had facilities to put forth your best effort.

That reminds me that the packet of reprints did arrive safely--thanks for sending them along.

I haven't yet got my pictures back from development, but I am sure I'll have some memory-jolting shots of "Golden Prague"!

My wife and I had fun in our rented car in the Low Countries. Spent a day with Streel in Liège on CIMP-AASP relations and related matters.

Greetings to both Tomases, to Yaroslav, and, of course, best wishes as ever to you.

Cordially,

Al
Alfred Traverse
Professor of Palynology

I wrote J. Fred Stone requesting him to send you a copy of his report.

June 17, 1975

Dr. Milada Kalibová-Kaiserová
State Geological Survey
Prague I, Malostranské Nám. 19
Czechoslovakia

Dear Dr. Kalibová-Kaiserová

Thank you for yours of 15 May, which came while I was on the Black Sea with the Glomar Challenger coring excursion. It was a most interesting experience, about which I will tell you sometime. Your letter of 15 May was awaiting my return. I agree that the weekend is certainly not the best time for a visit, but it is what is available. I shall definitely be in Prague on the 11th and will remain until the morning of the 14th. If it were possible for you to obtain permission for me to visit for an hour or so some time on the 11th after my arrival, that would be very nice. If not, I understand. I wish it were possible to stay longer, but for various reasons it is not; I'm only grateful that I will get to set down however briefly in what I understand is a beautiful and interesting place.

My travel agent has been trying so far without success to get a hotel reservation for me through Cedok. I talked with her this morning--her office is in Washington, D.C., and she says that if you could get a place by all means have you do so, and we could cancel the other one if such turns up. At this point there seems to be almost no possibility that I would hear back from you in time about your success in getting me a place, and perhaps the best way to leave it is that you would send me a note directly to my attention to the International Botanical Congress in Leningrad. I will be arriving in Prague on 11 July, Friday, on Aeroflot 141, at 10:05 a.m. Perhaps you could have a message sent to me in care of that flight about where I am to stay, on the long chance that the message to Leningrad did not reach me. Also, perhaps I would be so fortunate that you would be able to meet me at the airport. I have also written to Dr. Pačtová regarding the possibility of a visit to the Department of Paleontology at Charles University and have written the official from whom she says I must get permission. So, the long and the short of it is that my visit to Prague is very loosely organized at this moment, but I am determined to have such a visit, and will definitely arrive on 11 July as indicated and will depart on the morning of 14 July so, I need accommodations

- 2 -

for the nights of 11, 12, and 13 July. I do hope that this does not occur during the time when you are planning to be in Poland. Thank you so much for your help. I look forward to seeing you next month.

Best wishes.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT:kc

P.S.: If necessary for me to obtain permission to visit your laboratory, could you somehow apply for such permission, as there seems to be little time to get that taken care of at this distance and with the amount of time available.

May 15, 1975

Dear Dr. Traverse!

I was very happy to hear that you are planning to visit my palynological laboratory at the Geological Survey in Prague.

I would suggest to you to spend in Prague more than to days as on 12. and 13.7. we have weekend and it is difficult to enter the building. It would be better to plan for the weekend a sight-seeing tour. We would be fond to accompany you. If it suits to you I invite you for a longer stay in Prague and I would be glad to arrange an excursion according to your desire.

In summer there are usually difficulties to get a room in a hotel. If you can, please, be so kind and write directly to Czech travel agency Čedok, Prague 1, Prikopy 18 or you can make an reservation through your travel agency as well. In case of any troubles write to me and I will manage myself.

I would be very pleased if you can write me the exact date of your arrival as I will be in July with my family for couple of days in Poland.

Thank you for the interesting reprint, which I received some weeks ago.

I am looking forward to have you in Prague.

With best wishes, I am

Yours very truly

M. Kalibová - Kaiserová
Milada Kalibová - Kaiserová

April 4, 1975

Dr. Milada Kalibová-Kaiserová
Ústřední ústav geologický
Praha 1, Malostranské Nám. 19
Czechoslovakia

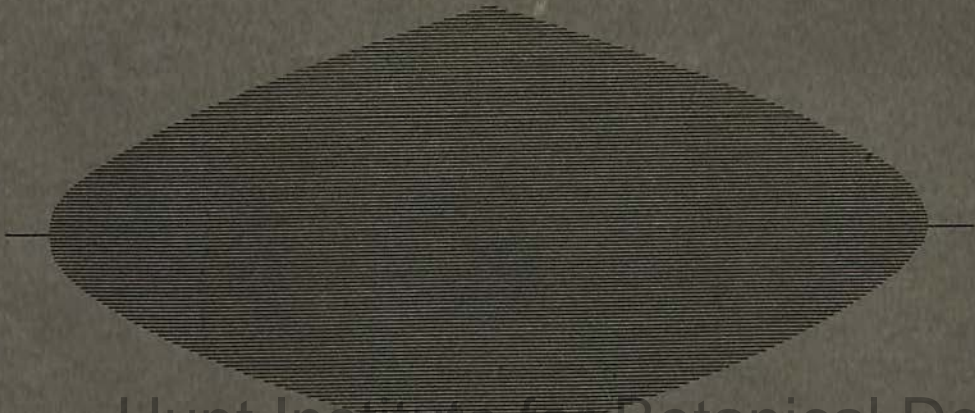
Dear Dr. Kalibová-Kaiserová:

On the way back from the International Botanical Congress (Leningrad, June-July), I would like to spend a day or two in Prague, hoping to see the palynological laboratories and, of course, see beautiful Prague too. The date would be about 12-13 July, 1975. How do I get permission to visit your laboratories? Hoping to hear from you and with best wishes, I am

Yours very truly

Alfred Traverse
Professor of Palynology

AT/vsi



XXIII INTERNATIONAL
BOTANICAL GEOLOGICAL
CONGRESS PRAHA 1968
CZECHOSLOVAKIA

Hunt Institute for Botanical Documentation

March 10, 1969

Dr. Milada Kalibová-Kaiserová
5 Paspisilova Street
Prague 3, Czechoslovakia

Dear Dr. Kalibová-Kaiserová:

My wife and I so much enjoyed your thoughtful letter of 11 December, with its Christmas and New Year's greetings. Because of the marine strike, the letter only arrived last week!

We are concerned that the recent political disturbances will have made life, and your work, difficult for you and earnestly hope that by now things are looking a bit brighter.

Had there been a more extensive palynological program, I would have liked to have attended the geological congress last summer, but I felt that I must conserve my travel money for a number of trips in North America that were more important to our research. For example, the annual convention of the new "American Association of Stratigraphic Palynologists" was held in Baton Rouge, Louisiana, last October. (The second annual convention will be held here next October!) Perhaps, as things worked out, it is well that I did not try to go to Prague for the Congress. Some of my friends who did tell very disturbing stories.

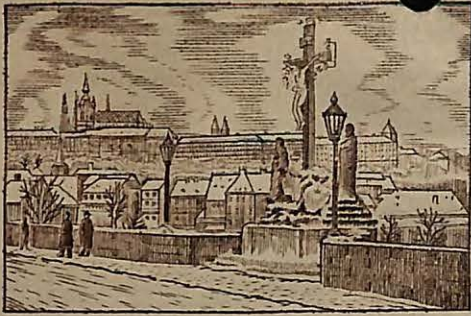
Your English is so good that it seems that you hardly need more study in that direction--just keep up the good work. As I may have told you, I have been studying Russian in order to be able to read the voluminous publications in that language, and with the idea that I might conceivably attend the next palynological convention in the Soviet Union. So far, I haven't heard anything definitely indicating that the convention even will be in the USSR. If that trip materialized, I would indeed very much like to visit Czechoslovakia enroute.

Thanks very much for your nice message. Keep up your spirits.

Yours very truly,

Alfred Traverse
Associate Professor of Geology

Prague



Kalibova

5, Pospíšilova Street, Prague 3.
December 11th, 1968

Dear Sir,

It's more than two years ago that we met on the International conference on palynology in Utrecht. But in the last time I'm very often thinking about you as I'm listening the broadcasting of the station "Free Europe" every evening. It sympathizes with us. I remember that your friend was employed there. I hope that you are informed about our unpleasant political situation. That was a tragedy for our country that we had been for twenty years under a bad government and this year after a half an year of the improvement of conditions

so called "Czechoslovak spring", we have received such a terrible wound again. We have to suffer under the Soviet occupation.

Do you intend to go to USSR for the zytynological conference in 1971? In this strained relations we don't like to visit our "friends" in this country. I hope that you will come to Czechoslovakia once.

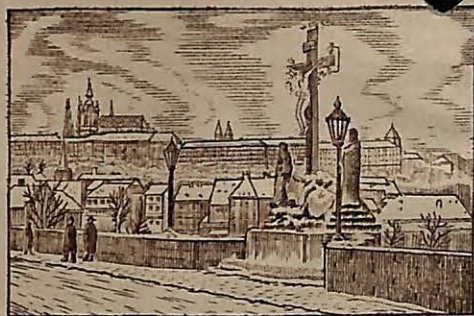
I don't go to English classes this year as my teacher left after August.

Merry Christmas and best wishes for a Happy New Year.

Sincerely Yours

Milada Kalbavá - Kaiserová

Kalbová - Kaiserová ~~Kal.~~



December 15th, 1966

Dear Dr. Traverse,

I have been pleased of your postcard and your letter, for which I thank you very much.

It was good to meet you at the conference at Utrecht and I do hope that the International geological congress in Czechoslovakia will provide opportunity to meet you again.

Greetings for Christmas and best wishes for the New Year to you and your family

from Milada Kalibová - Kaiserová

28 Nov., 1966

Dr. Milada Kalibova-Kaiserova
Ustredni Ustav Geologicky
Praha 1, Malostranske Nam. 19
Czechoslovakia

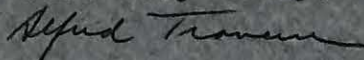
Dear Dr. Kalibova:

I very much appreciate the copies of "Palynological investigation of the lower Nevren seam (Lower Stephanian) in the northern part of the Plzen Carboniferous coal basin" and "New species of miospores from the Bohemian Stephanian".

It was good to get to know you in Utrecht, and I do hope that future conferences will provide opportunities for more conversations. In the meantime, let us keep in touch by correspondence.

Best wishes to you for the holiday season and the New Year.

Yours very truly,



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

17 May, 1994

Kamble Chandrashekhar V.
Department of Geology and Palaeontology
Agharkar Research Inst. (M.A.C.S.)
G. G. Agarkar Rd.
Pune 411004, India

Dear Friend:

Your nice letter of 2 May is just in. We are about to leave for a couple of weeks, so I hasten to answer--otherwise I couldn't do so until June. I very much appreciate the kind words about my book and hope it has been useful to you.

Quaternary (which I prefer to call Pleistocene, for reasons discussed in the book) is not my main area of work. Therefore, I do not have literature on that topic to send you. If possible you should visit the Birbal Sahni Institute for Palaeobotany in Lucknow. They have much of the literature you need to consult. I recall that when I visited there in 1991 there was a very talented lady doing Quaternary studies: Chhaya Sharma. Perhaps you could contact her. Also, If you checked with authors of recent papers in Quaternary Research, they could perhaps send you reprints. Just as a start.

Again, because of time constraints, regarding the techniques, I can only tell you briefly how I do it: 1. living pollen grains. Get pollen in water as free of debris as possible by decanting, picking out debris, centrifuging, etc. Put a drop of water with many pollen grains directly on a circular coverslip glued with silver paste to a stub. Let the water evaporate, and you're ready to gold coat. I seldom need an adhesive, but if you're having trouble with the pollen drifting off the slip, use a piece of two-side-sticky scotch tape on top of the coverslip or directly on the stub. 2. Fossil palynomorphs I get into a mixture of glycerin and water, spread on a slide, using capillary tubes and working under a scope at 10x I pick up individual grains and gently blow them onto a coverslip mounted on a stub as described above. Then I use a hypodermic needle syringe to squirt very small amounts of tertiary butyl alcohol on the specimen, and I absorb this with a corner of a Kleenex tissue. Several repetitions of this process removes all glycerin and water and gets the grain ready for gold-coating.

Best regards.

Yours very truly,

Alfred Traverse

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

PUNE 2/5/1994
INDIA

Respected Sir,

I am doing my Ph.D. research work in Palaeopalynology (Quaternary Palynology of West Coast of India) at Agharkar Research Institute, PUNE, INDIA under the guidance of Dr. K.P.N. Kumaran. Dr. Kumaran was in Nigeria at Calabar University for last 10 years. Presently he is Scientist 'C' in our institute & in charge of Palynological Laboratory.

I am writing you because, I want literature & reprints, related to Quaternary Palynology. And also I want the procedure for mounting living pollen grains from anthers on the stub for SEM studies. As well as, the procedure for mounting fossil pollen grains on stub for the same studies.

Please, send me related literature or reprints as early as possible for you. I will be very thankful for doing that. Please, ask me also if you want to get any work in India. Write to me your present address also. (I like your book Palaeopalynology very much.)
Thanking You.

MY ADDRESS :

KAMBLE CHANDRASHEKHAR V.
Department of Geology & Palaeontology,
Agharkar Research Institute (MACS), (Kamble C.V.)
G.G. Agarkar Road,
PUNE - 411004 INDIA

Yours Sincerely,
Kamble



The University of Kansas

file to Kansas Geol. Surv.

STATE GEOLOGICAL SURVEY

LAWRENCE, KANSAS
66044

WILLIAM W. HAMBLETON
State Geologist and Director

ERNEST E. ANGINO
Assoc. State Geologist and Assoc. Director

12 May 1971

Professor Alfred Traverse
Department of Geology & Geophysics
The Pennsylvania State University
University Park, Pennsylvania 16802

Dear Professor Traverse:

Thank you very much for your kind words about the International Association for Mathematical Geology charter certificate. You are a charter member because you joined the society during its first year of existence.

Art work for the certificate was prepared by Mr. Charles Barksdale, a member of the Kansas Geological Survey's Drafting Room staff. An honorarium was paid to Mr. Barksdale for his design by the society, but I am afraid that I do not know how much this was. The certificates were printed in two colors at The University of Kansas Press. They were reproduced by off-set on Parch-tex paper and cost \$32.79 for 450 copies.

If I can be of further assistance, please do not hesitate to write.

Sincerely yours,

John C. Davis
Chief, Geologic Research Section

JCD:kar

May 17, 1972

Dr. Ronald O. Kapp
Department of Biology
Alma College
Alma, Michigan 48801

Dear Dr. Kapp:

Thank you for the recently arrived copies of your papers on various Quaternary subjects--I very much appreciate being kept abreast of your activities and have found the papers interesting reading.

Recently I had a phone call from Serge Mamay at the National Museum of the Smithsonian. Mamay asked me for names of people who are expert in Quaternary palynology who might like to do some W.A.E. work in collaboration with the Smithsonian (for pay, of course). I have sent Serge a list of people who came to mind, but I confess that in my hurry to get an answer off to him I neglected to mention you, and I would suggest that if you are interested you should communicate directly with Mamay. Incidentally, I wonder if this doesn't imply that it would be desirable for you to belong to the AASP because it is a way of keeping your name in the public eye as it were. Just in case you should feel so inclined, I am enclosing a membership application.

Best wishes.

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT/vsi
Enclosure: membership application
cc S.H. Mamay

1 September 1965

Dr. Ronald O. Kapp
Alma College
Alma, Michigan

Dear Ronald:

Thank you for "Pollen analysis of some Pleistocene sediments...", "Illinoian and Sangama vegetation...", and "Pleistocene vegetational studies." These will be very useful to me in my work.

I don't know how many of my publications you already have--but am sending a few that may be of interest.

Please note the change of address.

Yours very truly,



Alfred Traverse
Geologist

AT:jt

September 9, 1969

Dr. R.K. Kar
Birbal Sahni Institute of Palaeobotany
53 University Road
Lucknow, India

Dear Dr. Kar:

I am sorry that your letter of August 7 has been awaiting a reply for so long. I have been at the International Botanical Congress in Seattle and have just returned to the office, finding the usual large pile of correspondence. I am sorry that I can not be more helpful, but we do not at this time have any funds to provide for post-doctoral research. I regard this as unfortunate, but it is a fact. Therefore, despite your qualifications which seem to be of high order, there is no way that we could arrange to finance your work here. I do hope you will be successful in accomplishing your worthwhile aim.

With all best wishes, I am

Yours very truly,

Alfred Traverse
Associate Professor of Geology
and Biology

AT:kwc

From :
Dr. R. K. Kar,
Birbal Sahni Institute of Palaeobotany,
53, University Road,
Lucknow, India.

August 7, 1969

To
Dr. A. Traverse,
Deike Building,
The Pennsylvania State University,
University Park,
Pennsylvania 16802, (U.S.A.)

Dear Prof. Traverse,

Please excuse me for the self introduction. I am Dr. R.K. Kar working in the Department of Oil Palynology, Birbal Sahni Institute of Palaeobotany, Lucknow since 1961. I have worked on Palaeozoic, Mesozoic and Tertiary Palynology and have 40 published papers at my credit.

I wonder whether you can provide a post-doctoral scholarship/fellowship/ or assistantship to me and bestow the rare privilege to work under your able guidance. My academic qualifications are: B. Sc. (Distinction), M. Sc. (Anthropology - 2nd. Class), M. Sc. (Botany - 1st. Class), Ph. D. (Palynology).

I would highly appreciate a line from you in this respect.

Thanking you,

Yours faithfully,



(R.K. Kar)

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

9 April, 1998

Ms. Anita L. Karg
Archivist, Archives Dept.
Hunt Inst. for Botanical Documentation
Carnegie-Mellon University
Pittsburgh, PA 15213-3890

Dear Anita:

Thanks for the great stamps. You're right--it's best to leave them on the original papers so that I can dissect them in whatever way seems best.

Thanks also for the nice lunch, including delightful company of you, Lugene and Angela.

We enjoyed the show. For me it had some interesting sideshows. The little Japanese lady with her incredibly tiny camera ("use only on time, but can be recycled"), a conversation with your director, who said that the obviously well-healed clientele at the show almost certainly wouldn't ever cough up a dime for the Hunt.

I love the Hunt and, for that matter, the whole of CMU campus.

Speaking of endorsements, the Best Western turned out just fine--we'll stay there again, as the Hunt and the Phipps are both easy walks, as would the Carnegie be also.

The China Palace on Walnut St. (about #5435, though I don't remember the exact no.) is one of the very best Chinese restaurants we've ever been to in PA. We used to live at 5808, just up the street. As far as we can recall there was no "business district" at that time, and certainly no restaurants, in the 5300-5500 blocks, as there is now. That was in 1951! I always walked to the Bureau of Mines, so the restaurant would also be a possible walk in good weather.

All the best. Regards to all.

Yours very truly,

Alfred Traverse
Professor Emeritus of Palynology

Anita L Karg, 01:36 PM 12/18/9, Re: contact

1

Date: Wed, 18 Dec 1996 13:36:22 -0500 (EST)
From: Anita L Karg <ak2q+@andrew.cmu.edu>
To: traverse@ems.psu.edu (Alfred Traverse)
Subject: Re: contact
References: <199612101831.NAA11708@pangaea.ems.psu.edu>

From: ak2q@andrew.cmu.edu Anita Karg
Date: 18 Dec. 1996

Al, Thanks for both of your messages. At least my regular mail continues to get through. The glitch must be with my station. Colleagues in North Carolina and California have told me that they have no trouble receiving e-mail from others. I'll have to have this checked. I'm glad you enjoyed your stay here and I enjoyed your account of restaurant hunting and your final decision to return to the University Club. Our Archivists' and Librarians' groups have meetings there and the room never seemed that big to me. I'm glad the wine was excellent. You needed it after the disappointing restaurant search. Merry Christmas to you and your family and I hope you and Betty have a great 1997. Anita

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

1

**Carnegie
Mellon**

Hunt Institute for Botanical Documentation
Carnegie Mellon University
Pittsburgh, Pennsylvania 15213-3890
412-268-2434

Archives
(412) 268-2437

6 December 1996

Dr. Alfred Traverse
Professor Emeritus of Palynology
Pennsylvania State University
Palynological Laboratories
Deike 435
University Park, PA 16802

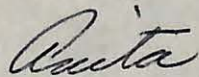
Dear Al:

I tried both of the e-mail addresses you left with me and submission failed on both. Please try to reach me by e-mail at ak2q@andrew.cmu.edu I am curious to see if you succeed.

Thank you for delivering the four boxes of I.F.P.S. papers. Lugene Bruno and I enjoyed the time spent with you and Betty. I hope you had a good trip back to State College.

Best wishes and happy holidays.

Sincerely,



Anita L. Karg
Archivist

ALK/ka

**Carnegie
Mellon**

Hunt Institute for Botanical Documentation
Carnegie Mellon University
Pittsburgh, Pennsylvania 15213-3890
412-268-2434

Archives
(412) 268-2437

20 June 1995

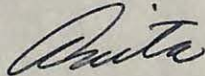
Dr. Alfred Traverse
Department of Geosciences
The Pennsylvania State University
435 Deike Building
University Park, PA 16802

Dear Al:

Thank you for the additional IFPS and IAPT - CFP papers that you delivered on Thursday, 15 June.

It was a pleasure to meet Betty, and I hope you enjoyed the time spent here and at the *Carnegie*.

Sincerely,



Anita L. Karg
Archivist

ALK/ka

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

17 June, 1991

Anita L. Karg
Archivist, Archives Dept.
Hunt Inst. for Botanical Documentation
Carnegie-Mellon University
Pittsburgh, PA 15213-3890

Dear Anita:

The info re Pittsburgh came, and I very much appreciate your efforts. The marvellous folder re Pittsburgh museums is now part of a permanent folder on your interesting city.

However, after trying myself and getting our travel agent on it, we determined that our anniversary weekend was not a good time to visit the Oakland area. Most places were booked. We'll try again on some other occasion. This time we decided to go to Longwood Gardens and Winterthur.

Best regards and thanks very much.

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

4 April, 1990

Anita L. Karg
Hunt Institute (Hunt Library, 3rd Floor)
Carnegie-Mellon University
Pittsburgh, PA 15213

Dear Anita:

First of all, Jansonius confirms that the bearded guy is Dr. A.A. Manten, as I suspected. He was or is from the Netherlands. I am not sure he's still alive.

Second, Jansonius sends a recent photo of some of the Canadian palynologists (actually, Williams hails from U.K., Jansonius from Netherlands, but all four have had close to 100% Canadian careers).

Third, I'm still working on finding a key to the group photo, which is confirmed now as of the 1st International Palynological Conference, Tucson, 1962. I'll find a key eventually, I'm sure.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et
encl

PROPOSAL NO. EAR-8720662	INSTITUTION Univ Colorado at Boulder	PLEASE RETURN BY 10/21/87
PRINCIPAL INVESTIGATOR Eric T. Karlstrom		NSF PROGRAM SURFICIAL PROCESSES
TITLE Rates of Soil Formation in Five Climatically Different Regions		

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

This proposal is well written and persuades me that studying Pleistocene-Holocene paleosols is a very worthwhile endeavor. Dr. Karlstrom does good work and is at least average in productivity. However, Dr. Karlstrom does not convince me that the five areas where he will study paleosols are correctly selected for their climatic diversity, a critical matter as far as his proposed work is concerned. Oaxaca, Mexico, for example, seems to be on the list for no clearly defined reasons, and the other four places are there principally or at least partly because the proposer has already worked there. Furthermore, the chances that the results will be widely applicable in time and space could be greatly enhanced by studying more, and more diverse, areas, even if this meant less detail in each one. At least, if this is not so, I needed more explanation of why these climatically different areas were selected, beyond the datability of the soils.

There are also some non-technical matters that trouble me about this proposal. I do not approve of the funding of computers by NSF. Software, etc., as needed, o.k., the basic unit, no. Should be provided by the university or institute. I also don't like the fact that this lousy chunk of money would ~~help~~ assist no graduate student. I don't understand the peripatetic history of the proposer and what this means. He wants to do the research at Boulder, but it is not clear why--the supporting letters suggest that the proposer has better connections in at least four other places. Why Colorado? A forthright statement about this would have been helpful to my evaluation. There are some funny little errors in the proposal that make one wonder about attention to detail: pagination does not agree with the table of contents (curriculum vitae on p. 28, not p. 26, "Planned Research" on p. 9, not 8), "National Association for the Advancement of Science" (p. 29). ~~I don't understand.~~

OVERALL RATING: EXCELLENT VERY GOOD GOOD FAIR POOR

REVIEWER'S SIGNATURE	REVIEWER'S NAME (TYPED)
OTHER SUGGESTED REVIEWERS (OPTIONAL)	Dr. Alfred Traverse Department of Geosciences Pennsylvania State University
REVIEWER'S COPY	

29 May, 1980

Dr. P. F. Karrow
Department of Earth Science
University of Waterloo
Waterloo, Ontario, Canada N2L 3G1

Dear Professor Karrow:

Our lab did a little preliminary work on a peat bog near Sharon, Pennsylvania, near the Ohio border, about 10 years ago--it was called the Stewart Bog. I always hoped to go at it again but haven't. No thesis or publication was involved. Of "Corry Bog", I am perfectly innocent. I know of no such work done here. The closest PSU theses would be more like 15 years ago: an M.S. thesis, entitled "Late-Glacial and Post-Glacial Vegetational Changes in the Conneaut Marsh Region, Northwestern Pennsylvania", by Linda M. Groth (1966); a Ph.D. thesis, entitled "Late-Glacial and Post-Glacial Vegetational History in the North Central Appalachian Region", By R. W. Stingelin (1965).

Best wishes---and a greeting for Jocelyne Legault!

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

University of Waterloo



Waterloo, Ontario, Canada
N2L 3G1

Faculty of Science
Department of Earth Science
519/885-1211

May 22, 1980

Prof. A. Traverse,
Department of Geosciences,
529 Deike Bldg.,
Pennsylvania State University,
University Park, Pennsylvania 16802

Dear Professor Traverse;

I am trying to trace records of palynological work done at Corry bog, northwestern Pennsylvania. I have heard that someone from Penn State did some pollen work there about ten years ago. Were you involved in this or do you know anything about it.

If a thesis is involved would it be possible to borrow it or get a copy? I have not been able to find anything published on it.

I would appreciate any information you can give me. I would be happy to pay any copying costs. Thank you.

Sincerely,

P. F. Karrow
Professor

PFK:mr

~~XXXXXX~~
863-3419

Dr. Baki Kasapligil,
Professor of Botany
Biology Department
Mills College, P.O. Box 9949
Oakland, CA 94613

Dear Dr. Kasapligil:

Thanks for the paper on Turkish oaks--came in the same mail with a letter bearing all of the new series of stamps honoring Atatürk's 100th birthday (from a Turkish student of mine).

Under separate cover I send the palynological papers I have available, which may be of some interest.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

November 2, 1973

Dr. Andrew E. Kasper, Jr.
Department of Botany
Rutgers University
Newark, New Jersey 07102

Dear Andy:

Thanks for your letter of 22 October. I am very happy to hear that you are taking palynology and under my good old friend, Harry Cousminer. Please say hello to him for me. I am very distressed to have to report that the Brandon Lignite monograph has been out of print for several years, and I have dispersed my last remaining copy but for the shelf copy. It used to be distributed free by the Bureau of Mines, and I guess many palynology classes across the country had the students send for a free copy, which is fair enough, but the result is that they are all gone. The only way you can get one now is to have a xerox made or to watch the used book lists. Sorry.

I also regret having missed you last summer, but there will be other opportunities in the future I am sure. How about coming to visit us one of these days?

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT/vsi

RUTGERS • THE STATE UNIVERSITY

NEWARK, NEW JERSEY 07102

22 October 1973
Botany Department

Dr. Alfred Traverse
529 Deike Building
Penn State Univ.
Univ. Park, Penna
16802

Dear Al,

By any chance do you have any copies of your "Brandon Lignite of Vermont" paper left? If so could I please have a copy. If not are they available somewhere else and where? Your help is appreciated. I'm taking a palynology course with a friend of yours, Harry Cousminer. I never had a chance to take palynology and Harry is right upstairs (Geology) so I'm taking advantage of the situation. He says your paper is a "classic" so I want a personal copy.

Sorry to have missed you, Bruce and Henry for supper this past summer at Connecticut. Hope all is well. Give my regards to Bruce.

Sincerely,



Andrew E. Kasper, Jr.
Asst. Prof. Botany

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

9 August, 1996

Ms. Shino Kato
Department of General Education
2-40-1 Kurokami
Kumamoto University
Kumamoto City, Kumamoto Prefecture
Japan

Dear Shino:

Here are a couple of souvenir photos for you, which will remind you of the nice time you helped the old American professor have in Kumamoto.

The pajamas proved to be very practical, as most of my pajamas began to fall apart this summer, and I haven't had time to shop for more. So, the "Kumamoto pajamas" are worn all the time!

It's hard to believe it's three months since we were in Japan. As I write, Betty is driving one of our vehicles home from Chicago, where she has been visiting old friends. It's 1000 km. from here. Can be done in one monstrous day, but she's taking two.

The figs now look better than in the photo. They have to be moved indoors for most of year here. I had them on the patio while we were in Japan, and my high school boy helper was supposed to protect them if it froze, but he forgot. On 20 May it went to -6 degrees C. They've now filled out and have a number of fruits.

Hope your work is going well.

Yours very truly,

Alfred Traverse

enclosure: photos

Date: Mon, 24 Jun 1996 18:19:03 +0900
To: traverse@ems.psu.edu (Alfred Traverse)
From: kato@sci.kumamoto-u.ac.jp (Shino Kato)
X-Sender: kato@133.95.156.1
Subject: Thanks for your letter.

Dear Alfred

Thank you for your letter. I got both e-mail and air mail.
I am sorry for my wrong mail adress.

I had sent some photos as a remembrance of your visit to Japan
and of Japanese culture. For I agree with your request, I am going
to take your picture from a distance of more than fifty feet.

I am glad that you are pleased with some Japanese goods like
the pajamas. Kazu, Akiko, Miki and I had sent you them.
Kazu had chosen most. We had thought what is the most Japanese
and what is the popular among Japanese people.

Now, I am preparing for the examination. Because I have two
entrance examinations to a local official (an office worker of school)
and to a high school teacher. I am a little nervous for them.

Please give my best regards to Elizabeth.

Sincerely yours.
Shino Kato

*answered
2-6-11*

□\$B2CF#;VG5□(B (Shino Kato)
□\$B7'K\Bg3XBg3X1!M}3X8&5f2JCO3X@I96□(B
(Department of Geology The Science faculty
Graduate School of Kumamoto University)
kato@sci.kumamoto-u.ac.jp

THE PENNSYLVANIA STATE UNIVERSITY
DEPARTMENT OF GEOSCIENCES
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University Park, PA 16802
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fax: 814-865-3191

20 November, 1989

Dr. Erle G. Kauffman
Department of Geological Sciences CB 250
University of Colorado
Boulder, CO 80309

Dear Erle:

Just read Gerta Keller's paper in current Bull. G.S.A. She acknowledges you as a source of K/T boundary samples from Texas. Is somebody already working on the palynology thereof? I thought we might be able to work it into Dale Beeson's thesis project if nobody already has a lock on it.

All the best.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et
cc: D. Beeson

file as copy

Department of Mining

THE PENNSYLVANIA STATE UNIVERSITY

Applicant Walter Kaufman Address Penn State

The above applicant is being considered for _____, and he has given us your name as a reference. The information you furnish will be kept confidential and will be appreciated greatly.

- Please check (✓) each line at the appropriate point on the scale to show the applicant's rating on the quality concerned. Do not hesitate to check the last column if you have no basis for judgment.

	Highest			Average			Lowest			Not Observed
	1	2	3	4	5	6	7	8	9	
Intelligence			x							
Clarity of oral expression: written		x								
Character	x									
Initiative		x								
Personality		x								
Emotional stability		x								
Leadership ability										x
Diligence in study or work habits		x								

- How long and in what connection have you known the applicant? _____
Approximately six months, as a student in palynology course, and outside of class
- Do you think the applicant's achievements, as indicated by his record, are a true index of his ability? no If "no", why not?
Walt tells me that he has a 2.8 grade point average. From what I have seen, he could easily be 3.5 with proper direction.
- If you were considering the applicant as a future associate, working either with you or under your direction, would you:
 particularly desire to have him
 be pleased to have him
 be satisfied to have him
 prefer not to have him?
- For additional comments, if any, please use back of this sheet. X

Date 10 May, 1971

Signature Alfred Traverse

Alfred Traverse
Position Professor of Geology and Biology

Especially when it is considered how little background he had, Walt did an outstanding job in my palynology course, competing with much better prepared students. Furthermore, he had initiative, drive and enthusiasm and did a really fine job in the lab (which is very important in this course). He prepared a fine report on his term project and also did creditably on the final exam. Also, I found him very pleasant company and enjoyable to work ~~x~~ with in the lab.

Received: from eniac... (4.1/PSU ESSC/CSSC-110...)
Received: (from keating@eniac...)
Date: Sat, 4 Mar 1996 19:50:34
From: "Richard C. Keating" <rc.keating@psu.edu>
To: Alfred Traverse <traverse@ems.psu.edu>
Message-Id: <Pina.SOL.J.91.9...>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=...

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E-Mail: traverse@ems.psu.edu

9 August, 1996

Dear Al:

Dr. Kimiyasu Kawamuro
CFIFF Geology Lab.
Forestry and Forest Products Research Institute
P. O. Box 16 Tsukuba Norin Kenkyu Danchi. Nai Tsukuba
Japan

Dear Dr. Kawamuro:

Thought you might like the enclosed souvenir of our very interesting visit with you at the Tama arboretum, and at lunch a little later. I enjoyed your comments and fine sense of humor very much. Thanks for helping make our visit to the Takao area so much fun.

Best wishes.

Yours very truly,

Alfred Traverse

enclosure: photo

Received: from eniac.ac.siu.edu by pangaea.ems.psu.edu
(4.1/PSU_ESSC/GEOSC-2.02) id AA16919; Sat, 4 Mar 95 20:58:49 EST
Received: (from keatingr@localhost) by eniac.ac.siu.edu (8.6.10/8.6.9) id TAA22
Date: Sat, 4 Mar 1995 19:50:34 -0600 (CST)
From: "Richard C. Keating" <keatingr@eniac.ac.siu.edu>
X-Sender: keatingr@eniac
To: Alfred Traverse <traverse@ems.psu.edu>
Message-Id: <Pine.SOL.3.91.950304191259.21470A-100000@eniac>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Dear Al:

I'm glad to hear that the CaCl₂ system worked so well for you. I have run into the problem of crystallization on a few occasions. In each case, the treatment of specimens in something other than fixative, water or alcohol was the culprit. Sections treated in phloroglucinol, lactic acid, or hypochlorite bleach, or ammonium hydroxide, even when rinsed for ca 10 minutes, often will stimulate crystallization within a few days under the cover glass. Other sorts of crystals, such as the dye itself, will form on occasion and one has to learn how to distinguish these as artifacts. Whenever I need to have an exact fix on calcium oxalate crystals, I often make an unstained glycerine mount just to check crystal placement under polarization. Crystallization has seldom been a problem with my preparations over the past 3 years.

One of the graduate students at MOBOT is using the mountant for leaf sections cut from dried leaves, restored in sudsy ammonia household cleaner. The restoration is very good but the staining is somewhat different (but good in different tones). Crystallization of the salt could be stopped by longer rinsing, about 15 min in 2 change of water or dilute ethanol. If crystallization occurred, introduction of fresh CaCl₂ at the edge of the cover glass will dissolve crystals and they seem not to come back.

I saw another interesting technique, have not done much with it yet but it appears to have some merit. See: Imel, KM. 1995. Use of floor polish in mounting sections for light microscopy. *Microscopy Today* 95(1): 16. He uses Brite floor polish, a Johnson polish for "no-wax" floors [there's a nice oxymoron]. Anyway, this appears to be an acrylic product that is water soluble and gives better results than Permunt or sucrose. It dries wonderfully clear under a cover glass but may not be good for thick sections because of shrinkage. I plan to mix it in small quantities with CaCl₂ to see if the mountant will harden without shrinking or crystallizing. I'll let you know how it goes but try it yourself if you can find some Brite or Future (also supposed to work).

Rich

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

31 January, 1995

Dr. Richard C. Keating
P. O. Box 13
Dr. Rich Keating
P. O. Box 13
Edwardsville, IL 62025

Dear Rich:

Well, we've had our day of cutting up plants using your CaCl_2 techniques, and it worked fairly well--I can see the advantages over phloroglucinol all right. I learned from my preliminary experiments a few things. For example, the destaining in ethanol after the safranin-O staining is very important--otherwise everything is red. With destaining, the lignified cells really stand out.

However, we had one big problem--our sections all gave off beaucoup gas, so that there were bubbles everywhere. It was actually pretty interesting--one could see the gas evolving in the preparations in the finished preps, right there before one's very eyes--under the coverslip and all. I'm talking heavy duty bubbles--hundreds of them.

Our schedule: 1. fixing for 2 mins. in 95% alc.; 2. staining in safranin in 30% alc.; 3. destaining in 95% alc.; 4. mounting in 25% CaCl_2 .

It was fun talking to you just now.

Yours very truly,

Alfred Traverse

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24 August, 1994

Dr. Richard C. Keating
P. O. Box 13
Edwardsville, IL 62025

Dear Rich:

Thanks for your informative letter of 17 Aug. It is good to know that my most interesting contact outside of relatives in Edsvl. hasn't permanently left the area!

Thanks also for the schedule for your technique. Very informative. We will definitely try it when I give paleobotany in the Spring Semester. Thanks for the advice on phloroglucinol, which I had remembered from my student days, and which does stain the lignified cells very nicely. CVA sounds good, but so does safranin, and for purely psychological reasons that I cannot explain I "expect" xylem to be red. What's wrong with safranin-O? Getting the CaCl_2 solution readymade at my Agway store sounds great. My farm tractor's huge rear tires are full of the stuff.

You are a great asset at the MBG, which is one of my favorite places. (I have been a member for years, and I give Sally a membership every birthday.)

I note in changing address on your card that I apparently have never sent you any reprints. I enclose a couple, just in case they might be of interest. All the best.

Yours very truly,

Alfred Traverse

encl.:reprints

P.S. "Abandon 'hopefully'...." was a plea of the College's editor. She has since retired. If still here she would be joining me in the anti-"like" crusade.

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29 July, 1994

Dr. Richard C. Keating
Department of Plant Biology
Southern Illinois University
Carbondale, IL 62901-6509

Dear Rich:

Well, BSA Abstract vol. and the membership directory agree that you've moved to Carbondale, but I don't recall Sally saying a word about it. You had a deal going at MBG, etc., and I assumed you were a fixture in the SL area. You can bring me up to date on RK!

I just read your abstract, and that's what brought all this up because it was very interesting. When I teach paleobotany these days I have to have 2-3 labs at the beginning of the course when I have the students make hand sections of many plants because I can't count on them even having heard of parenchyma. I use razor blades, phloroglucinol, etc., but it sounds as if I could beef my act quite a bit with your help. Could you share with me whatever instructions you've written up? Staining techniques, the works. Also needed is literature ref to the CaCl_2 technique unless your handout or whatever makes the procedure clear.

Greetings, old friend!

Yours very truly,

Alfred Traverse



Southern Illinois University at Carbondale

School of Sciences
Department of Biological Sciences

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August 28, 1990

5 September, 1990

Dr. Richard C. Keating
Department of Biology
3331 Science Bldg.
Southern Illinois University
Edwardsville, IL 62026-1651

Dear Rich:

Thanks for yours of 28 August.

I would like a ride on Friday, Saturday and Sunday! Perhaps you could just tell Sally when I should be ready Friday a.m.

All the best.

Just give us a call at 635-3647.

With best regards,

Richard C. Keating
Professor

Yours very truly,

Alfred Traverse

AT/et

SIUE

Southern Illinois University at Edwardsville

School of Sciences
Department of Biological Sciences

August 28, 1990

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

Dear Al:

I think Bill D'Arcy and Joan Nowicke have gotten together an interesting program for October 7. You are certainly welcome to a ride over from Edwardsville. As you probably know, the systematics symposium will be the preceding Thursday through Saturday this year and you're welcome to a ride over for those sessions too if you will be in town.

Just give me a call at 656-3647.

With best regards,



Richard C. Keating
Professor

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10 August, 1990

Dr. Richard C. Keating
Dept. of Biological Sciences
Southern Illinois University
Edwardsville, IL 62026-1001

Dear Rich:

It's fun to learn that we'll be on the same program on 7 October,
at MBG.

I'll be staying with my sister in Edwardsville. If you're
driving over to MBG on Sunday, may I bum a ride there and back?

All the best.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

9 October, 1979

Dr. Richard Keating
Biological Sciences
Southern Illinois University
Edwardsville, IL 62025

Dear Rich:

Appreciated your call. It will be good to be with you. I am glad that an honorarium could be arranged, as I think we should not encourage administrators to expect something for nothing.

For the Biology and Sigma Xi lecture I propose:

"For biostratigraphy, the smallest fossils
are best"

For the more technical lecture for terrestrial ecology,
how about:

"Pleistocene paleoclimatology of the Black Sea
Basin, per Glomar Challenger palynology"

If there are reasons to reach me in Edwardsville before the day of the lectures (Monday, 29 October), I'll be at the Turners' place. I'll plan to be at your disposal from mid-morning on Monday.

Promised biographical material is enclosed.

Folks who get honoraria here have to provide SS# and home address. In case you need same, they are:

364-22-6156
RD 2, Box 390, Huntingdon, PA 16652

See you soon.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et
encl: biographical material

30 October, 1978

Dr. Richard C. Keating
Department of Biology
Southern Illinois University
Edwardsville, IL 62026

Dear Dr. Keating:

You did a great job as moderator of that session in St. Louis, and it was a considerable pleasure to meet you finally. As I told you I get to Edwardsville from time to time, perhaps more often in the future because of personal interests there, so it is not impossible that I might drop in on you with adequate notice one of these months or years!

Best wishes to you in your work.

Yours very truly,

Alfred Traverse
Professor of Palynology
President, ICP

AT/et

P.S. I've already written Peter Raven that the only recommendation I could make that would have improved the session would have been to provide bus service from the Missouri Botanical Garden to the place where we had dinner and the evening meeting. I was driving a rent car with Keith Ferguson of Kew as my navigator, and we saw practically every part of St. Louis en route!

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30. Jan. 94

Dr. Elmar Keding
Hans Beimler-Straße 83
D-17491 Greifswald, Deutschland

Sehr geehrter Dr. Keding,

haben Sie vielen Dank für die Übersendung des Artikels über Weichselstudien der Insel Rügen, die ich eines Tages besuchen möchte! Die Aussichtskarte mit dem Bild von CDF von den Kreidefelsen ist sehr, sehr schön. Wir haben eine große Sammlung von Postkarten. Die neuesten Exemplare werden immer mit Magneten auf dem Kühlschrank aufgehängt, und diese schöne Karte hängt jetzt dort.

Wie Sie, hoffen wir auch, daß es möglich wird, für Sie Ihre Forschungen weiterzubringen. Ich erinnere mich an unserem Treffen bei der Tagung in Göttingen. Ihre Publikation ist sehr interessant. Ich fand die Oosporen besonders von Interesse.

Sie haben gefragt, ob meine Frau noch Deutsch studiert. Sie schreibt jetzt ihre Dissertation an unserer deutschen Abteilung. Ihr Thema is Neidhart von Reuental, und sie liest meistens Mittelhochdeutsch, eine Sprache die ich überhaupt nicht lesen kann!

mit besten Grüßen verbleibe ich

Ihr

Alfred Traverse

April 13, 1973

Dr. G.I. Kedo
220600 Minsk Belorusskoi SSR
Staroborisoveskii pr. BelNIHRI
USSR

Dear Dr. Kedo:

In connection with some work which graduate students of mine and I have been doing in the uppermost Devonian, lower Carboniferous rocks of this vicinity I have had considerable need to use your publications on Devonian and Carboniferous spores and pollen. Unfortunately, none of the libraries in this vicinity have the publications in which your papers appeared. If it were possible for you to send me as many of your publications as you have available and can spare for use in our laboratory, it would be much appreciated, and we would be most happy to provide whatever you would like in exchange.

I was particularly embarrassed recently to be obliged to use an indirect reference to your work (quoting Owen's paper in the Streel-Wagner volume). When you eventually see this paper by J. Warg & Traverse, I hope you will understand. It just was impossible to get hold of your publications at the time they were needed.

Looking forward to hearing from you and if possible getting copies of at least some of your publications for our use here, I am with best wishes

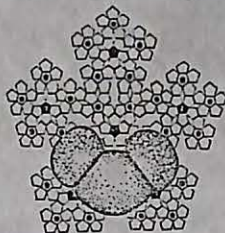
Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT/vsi

JATE NÖVÉNYTANI TANULMÁNYOK
SEJTBIOLÓGIAI ÉS EVOLÚCIÓS
MIKROPALEONTOLOGIAI LABORATÓRIUM

Vezető: Dr. Kedves Miklós
6701 Szeged, Pf.: 993



CELL BIOLOGICAL AND EVOLUTIONARY
MICROPALEONTOLOGICAL LABORATORY OF THE
DEPARTMENT OF BOTANY OF THE J. A. UNIVERSITY

Head: Dr. M. Kedves
H-6701 Szeged, P. O. Box 993 Hungary

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

04.11.1996.

Dear Alfred:

Thank you very much for your kind letter of 17 October,
and for the reprints.

I am very glad to learn, that you will visit Hungary, I hope before
long. Please inform me before long.

With all best wishes very truly
yours,

A handwritten signature in blue ink, consisting of a series of loops and a long horizontal stroke at the end. The signature is written over the printed name 'Miklós Kedves'.

Miklós Kedves

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E-Mail: traverse@ems.psu.edu

17.October.1996

Dr. Miklos Kedves
Institutum Botanicum
Box 993
H-6701 Szeged, Hungary

Dear Miklos:

Thanks for the copy of Plant Cell Biology and Development 7,
edited by yourself. It was, as usual, read with interest and
appropriately filed.

One of these years we will visit Hungary and get to see your
interesting country.

Enclosed are a couple more of my items for you.

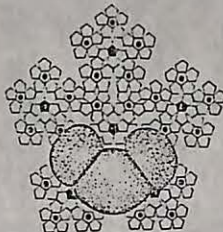
All the best.

Yours very truly,

Alfred Traverse

enclosures:reprints

JÁTE NÖVÉNYTANI TANSZÉK
SEJTBIOLÓGIAI ÉS EVOLÚCIÓS
MIKROPALAEONTOLÓGIAI LABORATÓRIUM
Vezető: Dr. Kedves Miklós
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Prof. Dr. Alfred TRAVERSE
The Pennsylvania State University
Department of Geosciences
Palynological Laboratories
435 Deike Building
University Park PA 16802
U.S.A.

13.07.1995.

Dear Al:

Thank you very much for your kind letter of 16 June and for your interesting papers. As regards the Botryococcus problems we have a number of partially degraded colonies with different methods, the colonies are embedded for ultrathin sectioning. I hope that in the not so far future we will have new results. You see I like also very much these really unusual and extraordinarily peculiar colonies. I try to answer to your questions. As regards the monographs published by my laboratory I think it is enough to put after the title of the work Szeged only. This is a completely new thing here before the first free elections this was completely impossible. The symbol of the laboratory is ready, all the next volumes will be wear this symbol. The financial base of this publication is grant or other supports which are indicated on the first page. It is true the Abstract, in the future I will not forget. As regards the problem of Dettmanniaesporites I have a lot of problems. It is not sure that this is completely identical with the species pannuceus against that I announced as syn. Thank you very much for your opinion.

I hope that I will see you again in Houston, at the next I.C.P., it seems that I can get financial support to this travel. It was really very nice see you again in Spain, and I hope, that I will see you in the future on many palynological meetings.

Very truly yours,


M. Kedves

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E-Mail: traverse@ems.psu.edu

16 June, 1995

Dr. Miklós Kedves
Institutum Botanicum Univ.
Box 657
6722 Szeged, Hungary

Dear Miklós:

Many thanks for "Plant Cell Biology and Development, No. 6."
I especially enjoyed the Botryococcus article, as I've been
interested in that organism for 50 years!

Seems difficult to believe it's approaching a year since we were
together in Spain.

According to my card file, I "owe" you some reprints, which are
enclosed.

Yours very truly,

Alfred Traverse

encl.: reprints

P. S. There was a slight delay in getting this off to you, and
in the meantime I have also read your paper in Grana 1993 with
others about "...biopolymer organization...sporoderms." Very
interesting--I should try to mention it in the second edition of
Paleopalynology, prep. of which is underway. I also greatly
enjoyed "Upper Cretaceous spores from Egypt." I have three mild
complaints about the latter: a. It's not obvious how to cite it
as a publication--I guess it's privately published by you? b.
Although it's not specifically required by the Code, it is very
good practice to mention the names of all new taxa in an abstract
or Zusammenfassung, whatever. Your new genera are very important
but are not showcased in this manner. The existence of the new
taxa further dramatizes my complaint a., as the publication will
be much cited. c. It is not clear to me why the name given for
the type of Dettmannaesporites is not D. pannuceus (Brenner)
Kedves, as you state the latter is "Syn." The name pannuceus
would therefore appear to have priority.

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18 March, 1991

Prof. Dr. M. Kedves
Department of Botany
J.A. University
Szeged, Egyetem u. 2, Box 657
Hungary

Dear Dr. Kedves:

Thank you so much for the various reprints you have sent recently, including items about ore palynology and exine structure inter alia.

I especially want to thank you for the book about TEM of fossil angiosperm pollen. This is a really valuable contribution! Isn't it unfortunate that you used the Góczán & Juhász 1984 names as if validly published? Please check the spelling of Diporoconia.

Best wishes as always.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

TO AT

DATE 5-VI-89 TIME 4:05 p.m.

Bill Kedves
M. Normie WHILE YOU WERE OUT

Of _____

Phone _____

TELEPHONED PLEASE RETURN CALL

CALLED TO SEE YOU WILL CALL AGAIN

RETURNED YOUR CALL RUSH

MESSAGE Kedves had sent

corrected MS back to

you for approval, w.

covering letter to

Normie. She knew you

away, so called Judy &

Signed Carol & got the

The Standard Register Company

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NÖVÉNYTANI TANSZÉK
FÜVÉSZKERT



6722 SZEGED, EGYETEM U. 2.
Tel.: 21-111 124 mell.
Pf.: 657

INSTITUTUM BOTANICUM
ET
HORTUS BOTANICUS
UNIVERSITATIS DE JÓZSEF ATTILA NOMINATAE
H-6722 SZEGED, HUNGARIA
Tel.: 21-111
P. Box: 657

Dr. Alfred TRAVERSE
Professor of Palynology
The Pennsylvania State University
Department of Geosciences
Palynological Laboratories
435 Deike Building
University Park
Pennsylvania 16802
U.S.A.

Szeged, 28.4.1989.....

Dear Prof. Dr. Traverse:

Thank you very much for your letter of
18 April 1989. Now I am working on my m.s., and the re-typed text
I will send you before long. Thank you working on my paper, I hope
see you again before long.

With best wishes, very truly yours,


M. Kedves

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

18 April, 1989

Dr. Miklos Kedves
Inst. Botanicum
Univ. Jozsef Attila Nominatae
H-6722 Szeged, Hungary

Dear Dr. Kedves:

My former Ph.D. student, E. I. Robbins, asked me to read your MS (enclosed) for possible suggestions and then to send it on to you. She gave me no other instructions, and I am writing this review in a Chicago airport, so I'll just do what I can.

Mostly I have corrected the English, for example:

p. 1: Spheripollenites, and all other generic and specific names, should be underlined (or italicized, which is equivalent).

p. 2, l. 8: Something is missing here. "towards...."(what?)
l. 11: eliminate unnecessary words ("8 sq. km." = "anarca", etc.)

p. 3, l. 1: Pliensbachian

From p. 4 on I have made changes needed to English, as shown in various lines, and have written in erasable pencil.

Enjoyed it.

Best wishes.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et
cc: Eleanora I. Robbins

7 January, 1987

Dr. M. Kedves
Institutum Botanicum Universitatis
Egyetem u.2, Box 657
6722 Szeged, Hungary

Dear Dr. Kedves:

Thanks for the reprint of the Egyptian Eocene study. The new forms are very interesting. Under the rules per Sydney, only one specimen can be the type of a genus, and the type will be the same as for the type species. Do you agree that it would be better therefore to cite that type specimen with the type species, as it also required typification, or better to cite it both places? I believe, however, that there is no doubt what you intend to do.

Best wishes for 1987. Thanks for your interesting and thoughtful greeting. We were too taken up with the death of my father-in-law and attendant problems to send cards this season.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

7 April, 1982

Dr. M. Kedves
Institutum Botanicum Universitatis
6722 Szeged, Egyetem u. 2
Hungary

Dear Dr. Kedves:

Yes, per yours of 27 March, I could use a couple of copies of the table, if you could spare them.

Interesting about your textbook. I guess I'll still go ahead and complete mine. The competition will be interesting.

Best wishes.

Yours very truly,

Alfred Traverse
Pfofessor of Palynology

AT/et

JÓZSEF ATTILA TUDOMÁNYEGYETEM
NÖVÉNYTANI TANSZÉK
FÜVÉSZKERT
SZEGED, EGYETEM U. 2.



INSTITUTUM BOTANICUM
ET
HORTUS BOTANICUS
UNIVERSITATIS DE JÓZSEF ATTILA NOMINATAE
SZEGED, HUNGARIA

Dr. Alfred TRAVERSE
Professor of Palynology
The Pennsylvania State University
Palynological Laboratories
435 Deike Building
University Park, Pennsylvania 16802
U.S.A.

Szeged, 27.3.1982.

Dear Prof. Dr. Traverse:

Thank you very much for your kind letter of 8.3.1982, I am very glad, that the table is useful to you. If you need more copies for teaching, I can send you, because I had made a number of them. Naturally you use this table as you want, the date of the publication is 1966 /Acta Miner.-Petr. 17:2, 115-122/.

On the other hand, I inform you, that I completed also an introduction to the prequaternary Palynology /two volumes, 1979, 1980/ but they appeared not yet.

Very truly yours,

M. Kedves

8 March, 1982

Dr. M. Kedves
Institutum Botanicum Universitatis
6722 Szeged, Egyetem u. 2
Hungary

Dear Dr. Kedves:

I have greatly enjoyed reading your "Kurzer Überblick....
Urkuter Mangauerzes". The picture-chart and table are of im-
mediate use to us here.

One of my current projects is the preparation of an intro-
ductory textbook for palynology courses. I would like to use your
chart, with full reference, of course. If that would be acceptable
to you, is there any chance I could have more legible versions of
the drawings for a few of the taxa?—for example, #3 (Platysaccus)
is rather hard to make out.

Also, could I have the date of publication? The reference
written across the top of p. 115 doesn't include it.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

23 October, 1981

~~XXXXX~~
863-3419

Dr. M. Kedves
Jozsef Attila Tudományegyetem
Novéutyáni Tanszék
Fuvészker
6722 Szeged, Egyetem u. 2,
Hungary

Dear Dr. Kedves:

Recently we saw a reference to a paper by you and (I am depending on memory--always dangerous!) Dr. Bahony published in "Acta Mineralogica-Petrographica" 17:2:115-122. I have dozens of reprints from you, but nothing like that. Do you still have a copy, or could you provide a "xerox" copy?

Best wishes.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

P.S. Thanks for the interesting reprints that recently came--about Equisetum spores, Amentiferae pollen, etc.!

[Handwritten signature]

8 September, 1980

Dr. M. Kedves
Jozsef Attila Tudományegyetem
Növénnytani Tanszék
Füvészkert
6722 Szeged, Egyetem u. 2, Hungary

Dear Dr. Kedves:

Thanks for yours of 23.8.80! Yes, I still plan to have a ±6 months sabbatical in Switzerland (November-May). I do hope my wife and I can visit Hungary, as part of our "Eastern Countries" swing in the spring of 1981--but I can't yet give details. We'll keep you informed as time goes along. I would not want you to go to any great trouble for my visit--it will be just a day or two in duration and should be mostly informal. I am sure we'll enjoy it if it can be arranged.

Thanks for writing.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

[Faint handwritten text]

[Faint mirrored text from reverse side]

JÓZSEF ATTILA TUDOMÁNYEGYETEM
NÖVÉNYTANI TANSZÉK
FÜVÉSZKERT
SZEGED, EGYETEM U. 2.



file
INSTITUTUM BOTANICUM
ET
HORTUS BOTANICUS
UNIVERSITATIS DE JÓZSEF ATTILA NOMINATAE
SZEGED, HUNGARIA

Dr. A. TRAVERSE professor
The Pennsylvania State University
Palynological Laboratories
435 Deike Building
University Park
PENNSYLVANIA 16802
U.S.A.

Szeged, 23.8.1980.

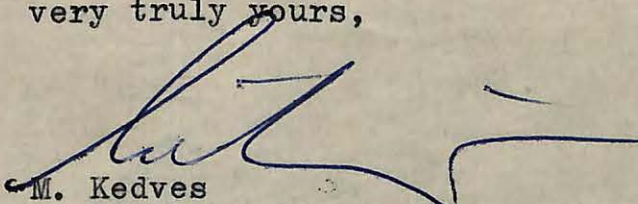
Dear Professor Traverse:

Thank you very much for your kind letter of 8 August. I am sorry to say, that I have no handy form from my poster on Normapolles, but I try to make photos from it, before long, and I will send you.

I am very glad, that probably I will see you here in Szeged, and naturally I will prepare a program to you if you want. I ask you, please inform me about your arrival, so I can wait you at the airport or at the station /Switzerland is not far from Hungary/. But, I ask you, take into consideration, that from 5, till 8 May I will be in Barcelona on the symposium "Concept and method in Palaeontology". So I propose you March or April, spring is in general nice in Hungary.

Hoping see you again in our country,

very truly yours,


M. Kedves
research professor

JÓZSEF ATTILA TUDOMÁNYEGYETEM
NÖVÉNYTANI TANSZÉK
FÜVÉSZKERT
SZEGED, EGYETEM U. 2.



INSTITUTUM BOTANICUM
ET
HORTUS BOTANICUS
UNIVERSITATIS DE JÓZSEF ATTILA NOMINATAE
SZEGED, HUNGARIA

Dr. A. TRAVERSE
Professor of Palynology
The Pennsylvania State University
Palynological Laboratories
435 Deike Building
University Park, Pennsylvania 16802
U.S.A.

Szeged, 4.10.1980.....

Dear Dr. Traverser:

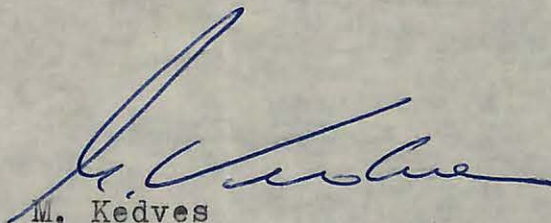
Thank you very much for your kind letter on 18 September. I am sorry, I have no more copy for distribution from the part 2. and 3. of the Bakony Mountains series. But it is possible to order, for this I give you the following addresses:

F.W. FAXON Co. Inc.
15 Southwest Park
Westwood, MASS. 02090, U.S.A.

Stechert HAFNER Inc.
31, East 10th Street
New York, N.Y. 10003, U.S.A.

Kultura Külkereskedelmi Vállalat
Budapest I.
Fő u. 32, HUNGARY

Sincerely yours,



M. Kedves

18 September, 1980

Dr. M. Kedves
József Attila Tudományegyetem
Növénytanítanszék
Fűvészkert
6722 Szeged, Egyetem u. 2, Hungary

Dear Dr. Kedves:

Do you have a copy of "Paleogene fossil sporomorphs of the Bakony Mountains", parts 2-3? I seem to have only part 1, but have seen references to "Part 3".

Perhaps I could buy this, if you have no copies? If so, please tell me how to order.

Best wishes.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

8 August, 1980

Dr. M. Kedves:
Jozsef Attila Tudományegyetem
Növevénytanintézet
Füveskert
6722 Szeged, Egyetem u. 2,
Hungary

Dear Dr. Kedves:

Your poster on Normapolles at 5-IPC fascinated me--I would like it if a handy form of it were available--is it?

As far as I know, we shall be in Switzerland, Nov., 1980 - May, 1981, as I told you. I do hope a brief visit to your lab will be possible sometime during that time.

Best wishes.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

March 29, 1976

Dr. M. Kedves
Institutum Botanicum Universitatis
Szegred, Hungary

Dear Dr. Kedves:

Is there any chance that you might still have a copy of the paper by yourself and Rokosy in which the generic name *Apicrassixonosporites* was originally published, with the type species *A. concavus*? I very much need to get at this and am having difficulty turning it up in our local libraries. Hoping that you can be of assistance and with best wishes.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT:jb

July 11, 1974

Dr. M. Kedves
Institutum Botanicum Universitatis
Szeged, Hungary

Dear Dr. Kedves:

Thank you very much for the recent bunch of reprints, having to do with the ultrastructure of fossil spores and pollen. I was especially interested in the evidence you put forth that the endexine is actually missing in many angiosperms, but I am wondering if that not really simply a matter of definition. Surely what you are calling the foot layer is what many of us call the endexine from light microscope work, and I wonder whether we are not going to cause more confusion than good by attempting to transfer the information from electron microscopy to light microscopy. I admit I am just thinking out loud and that you may have evidence of an important difference here.

Thank you again for the reprints and best wishes.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/vsi

September 15, 1972

Dr. M. Kedves
Institutum Botanicum
Universitatis
Szegéd, Hungary

Dear Dr. Kedves:

Thank you so much for the reprints of your papers, "Spore-pollen investigations...Oiching," "Problems of Cretaceous-Palaeogene...", "Spore-pollen data from the Marl layers of Mte. Bolca". I am sorry it has taken me so long to respond. I continue to be interested in Tertiary palynology despite lack of much publication in that area recently, and I very much appreciate your sending me your always well done and welcome publications. I was especially interested in the paper which dealt with phytogeography with reference to "Wodehouseia" and "Aquilapollenites". That certainly is one of the most interesting stories in palynology.

Thanks again.

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT/vsi

July 23, 1969

Dr. Miklos Kedves
Botanical Institute of the University
Szeged, Hungary

Dear Dr. Kedves:

Thank you for the recent batch of reprints, which have proven interesting reading, as all of your publications do. I was especially interested in "Beiträge zur Kenntnis der oberpaläozoischen und untermesozoischen Sporengesellschaften in Ungarn." As you know, we covered the paper by yourself and Simoncsics (1964) in Volume 31 of the Catalog of Fossil Spores and Pollen, but that volume is now in the course of being printed, and it will unfortunately be impossible to make footnote reference to this 1965 paper in the volume.

Best wishes.

Yours very truly,

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

AT:kwc

XII-68

M. Kedves

Merry Christmas
and happy New Year!

fröhliche Weihnachten
und glückliches Neujahr!

Heureux Noël
et bonne Nouvelle Année!

March 13, 1968

Dr. Miklos Kedves
Institutum Botanicum Universitatis
Szeged, Hungary

Dear Dr. Kedves:

Many thanks for the reprint of "Sur quelques problèmes de stratigraphie palynologique appliquée au Tertiaire inférieur en Europe", which will be useful to me in research and teaching--the foldout chart with suggested ranges is especially good.

Best wishes.

Yours very truly,

Alfred Traverse
Associate Professor of Geology

AT:kwc

May 16, 1960

Dr. M. Kedves
Institutum Botanicum et Hortus Botanicus
Universitatis
Szeged
Hungary

Dear Dr. Kedves:

I am sorry for the long delay in answering your letter of 17 November, 1959, requesting palm pollen material.

Under separate cover I have sent you slides of six species of our native palms that are represented in our herbarium. These are all that I have available at this time. A list of the data for these specimens is attached.


With best wishes for your work, I am

Very truly yours,


Alfred Traverse

AT:mpd

Attachment

bc. Vice President's binder w/attachment)
Mr. Purcell's binder (w/attachment)
Technical Information binder
Dr. Higgs (w/attachment)
Dr. Traverse (w/attachment) 
R file (w/attachment)

(3737 letterhead w/plain envelope)

1. Faurotis wrightii (Griseb. & Wendl.) Britton

Collected by Alfred Traverse, No. 609, 21-IV-1958
Everglades National Park, Florida
Shell Development Company Herbarium

2. Roystonea regia (H.B.K.) O. F. Cook

Collected by Alfred Traverse, No. 720, 1-V-1958
Homestead, Florida
Shell Development Company Herbarium

3. Sabal minor (Jacq.) Pers.

Collected by Alfred Traverse, No. 128, 4-VI-1956
Houston, Texas
Shell Development Company Herbarium

4. Sabal palmetto (Walt.) Lodd.

Collected by Biltmore Herbarium, No. 34116, 1897
Southport, South Carolina
Gray Herbarium, Harvard University

5. Serenca repens (Bartr.) Small

Collected by Alfred Traverse, No. 551, 21-IV-58
Everglades National Park, Florida
Shell Development Company Herbarium

6. Serenca serrulata (Michx.) Hook.

Collected by J. H. Simpson, No. 527, 1892
Caximbas Island, Florida
Gray Herbarium, Harvard University

Delivered-To: traverse@ems.psu.edu
 Date: Wed, 24 Mar 1999 08:20:55 -0500
 X-Sender: kux@email.psu.edu
 X-Mailer: Windows Eudora Light Version 1.5.4 (16)
 To: Alfred Traverse <traverse@ems.psu.edu>
 From: "Carl S. Keener" <kux@psu.edu>
 Subject: Re: vote

Al, I'll be out-of-town for the next several days. I'll touch base next week re a possible lunch meeting. Cheers, Carl

At 04:03 PM 3/23/99 -0500, you wrote:

>Dear Carl:

>

>Thanks for your help w. Dr. deP. I'd like to meet him. By the way, don't
 >forget paleobotany/palynology if you all need to put together a
 >justification for the herbarium. It's true that the two fields are
 >somewhat moribund at PSU just now, but history suggests that that won't
 >always be so. Anthropology will probably some day employ an
 >ethnobotanist--bound to happen.

>

>I also might need more help to stir up Dr. Erickson re the necessary letter.

>

>Lets have lunch together again soon. I always enjoy.

>

>Best. Al.

>Alfred Traverse

>Palynological Labs.

>Department of Geosciences

>307 Deike-PSU

>University Park, PA 16802

>Ph.:814-863-3419

>Fax:814-863-7823

>

>

To: kux@psu.edu
From: traverse@ems.psu.edu (Alfred Traverse)
Subject: tree, etc.
Cc:
Bcc:
X-Attachments:

Keener

Dear Carl:

Those fructifications sure looked like acorns, so the result is not surprising, but it sure doesn't look like an oak either. Why are the acorns so immature in September? I'd like to gather some when they are ripe, to plant, but I fear they'll never mature?

Yeah, let's get back on a more regular schedule. I also want to get you over to Alphabet Arboretum to admire some of my trees.

Best. Al

Carl S. Keener
Professor of Biology
208 Mueller Laboratory
The Pennsylvania State University
University Park, PA 16802

Telephone: (814) 865-6301
FAX: (814) 865-0131
EMAIL: KUX@PSU.EDU
Office: 383 North Fryer

Date: Thu, 4 Sep 1997 15:59:56 -0400
X-Sender: kux@email.psu.edu
To: traverse@ems.psu.edu
From: "Carl S. Keener" <kux@psu.edu>
Subject: tree

Al, it was good to have lunch with you again--I hope we can do it again this semester, perhaps when we return from Oregon!

The tree is a QUERCUS, most likely Q. ACUTISSIMA Carruthers. Rehder, MANUAL 161, states that it's a tree with chestnut-like foliage. We have one specimen in our Herbarium which matches the foliage of this tree exactly. Only the pubescence is a bit problematic--Rehder states that this species has leaves that are light green and glabrous beneath except for axillary tufts (I didn't see any tufts), but otherwise the description fits quite well.

Cheers, Carl
Carl S. Keener
Professor of Biology
208 Mueller Laboratory
The Pennsylvania State University
University Park, PA 16802

Telephone: (814) 865-6201
FAX: (814) 865-9131
EMAIL: KUX@PSU.EDU
Office: 365 North Frear

Date: Fri, 6 Sep 1996 14:13:51 -0400
X-Sender: kux@email.psu.edu
To: traverse@ems.psu.edu
From: "Carl S. Keener" <kux@psu.edu>
Subject: SOPHORA, again!

Al, it was good to have lunch with you again, and to see your new apartment which should suit your and Betty's needs admirably. BTW, I had forgotten to convey Gladys' greetings to you, and mine to Betty.

Now, re SOPHORA, your specimen matches our material of SOPHORA. CLADRASTIS (at least our specimens) have leaflets as wide as the leaflets in your specimen are long! Moreover, the fruit of CLADRASTIS is flat (like a sweet pea), whereas the fruit of SOPHORA is terete (just like your specimen). So I conclude again that the specimen is SOPHORA JAPONICA.

All the best for a good fall.

Cheers, Carl
Carl S. Keener
Professor of Biology
208 Mueller Laboratory
The Pennsylvania State University
University Park, PA 16802

Telephone: (814) 865-6201
FAX: (814) 865-9131
EMAIL: KUX@PSU.EDU
Office: 365 North Frear

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

Carl Keener

Dear Carl:

When I saw the title of your message I thought it would be a political statement, either for or against two terms.

Thanks for your investment of time. Re "homeotic," the article (AJB 83:6:712) in the abstract says "homeotic transformation from petal to sepal is incomplete," and other such statements, which seems to agree with your information perfectly. As to "asymptotic," it is the first word in the title of the paper in AJB 83:5:556. "Asymptotic height as a predictor of growth...." The word is used at least 20-30 times in the paper. I guess that the meaning is the more or less theoretical maximum height that a tree approaches to asymptotically, but that is by no means obvious. I intend to follow through on my resolution to write the AJB editor to protest the use of obscure terms, or terms in an obscure, in titles and abstracts, unless they are defined clearly somewhere in the paper.

Thanks for reading. We had a great trip to Korea and Japan in May. In Japan I enjoyed the botanical gardens very much, for a variety of reasons. The Kyoto Botanical Garden is simply outstanding. Other gardens were notable for the strange things that go on. I'd like to regale you about it one of these noons.

Best. Al .

X-Sender: kux@email.psu.edu
Date: Tue, 16 Jul 1996 08:31:56 -0400
To: traverse@ems.psu.edu
From: kux@psu.edu (Carl S. Keener)
Subject: Two Terms

Al, Richard Cyr assures me that "homeotic" has now acquired so many different meanings that the term is virtually useless. As applied to genes, however, homeotic genes are those genes that determine what entire segments of an animal will become; a homeotic mutation is one that causes a transformation of body parts in DROSOPHILA metamorphosis. "Asymptotic" is more vague--it is a math term, and the only definitions I could dig up apply to distributions--an asymptotic population is the maximum sustainable population size for a given area, and an asymptotic distribution is the limiting form of a probability or frequency distribution dependent on a given parameter, with that parameter tending to be a limit. Hope this helps. Cheers, Carl

Carl S. Keener
Department of Biology
The Pennsylvania State University
208 Mueller Lab
University Park, PA 16802
(814)865-6201 (phone)
(814)865-9131 (fax)
kux@psu.edu

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

INTEROFFICE CORRESPONDENCE

Date: 25 March, 1991

From: Alfred Traverse, 435 Deike

To: Carl Keener, 208 Mueller

I agree with the proposal to combine Biology 431 and 432 into one 4-credit course.

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

PENNSTATE
INTEROFFICE CORRESPONDENCE

Date: 16 January, 1991

From: Alfred Traverse, Professor of Palynology, 435 Deike

To: Promotion & Tenure Committee, Dept. of Biology

Re: Teaching qualifications of Carl Keener

I have known Dr. Keener very well ever since I came to Penn State a quarter of a century ago. My acquaintanceship with Carl ranges from serving with him on countless masters and doctoral committees, to consultation with him re problems of the taxonomic identity of various fossil and living plant specimens, to many years of co-teaching with him in Biology/Geosciences 427, long the principal evolution course at Penn State. Carl was always in charge of this course and gave a large share of the general lectures. I often sat in on his lectures as a preparation for my own. His lectures were always beautifully organized, clear, timely and stimulating. I also thought he did a masterful job of the nitty-gritty aspects of course administration, coordinating the work of the various professors involved in the course, dealing with student complaints, etc. In the heyday of 427 there were 200-300 students, and that job was no pushover!

From time to time some of my palynological graduate and undergraduate students have needed further instruction in basic botany, and I have frequently sent these people to Carl, to take his taxonomy courses, and occasionally to take advanced independent studies under his direction. I have always been pleased by the results, and the students have uniformly praised Dr. Keener.

All in all, from my point of view Carl Keener's teaching performance in our mutual service of over two decades has been exemplary.

AT/et

PENNSTATE



Department of Biology

208 Mueller Laboratory

(814) 863-0278

9/30/90

Dear Al,
What a pleasant surprise
to receive the "spread" on the
Euphorbiaceae! Immediately we
put it on our door in N. Frear.
Thanks! See you Tuesday.

Carl
Keener

Carl

Keener

18 June, 1985

A. Traverse, 435 Deike

Carl Keener, 306 Buckhout

Sorry you're sick

I'm better today (Wed.)

Enjoyed reading your "Does an orderly...." Schilling paper.

I guess we need to deal with pantheism as a possibility too?--the cat playing with the mouse is the pan-theos' having a little sport with itself? Another iconoclastic thought: did manicheans' notion of good vs. evil forces at war have something to recommend it after all?

Let's have lunch one day!

You to have a
desire of

Best,

Al Truman

Dear Al, A thousand thanks for TL-2 (A.S.), a valuable addition to our collection of ref. books. We shall put the book to good use, and I am pleased you thought of us in this way. Hope all is well.

Mar. 85

Keener

Carl -

Sorry you're sick

I'm better today (Wed.)!

Here's a book for

you to have or
dispose of.

Best,

Al Towne

Dear Al, A thousand thanks for TL-2 (A-G),
a valuable addition to our collection of ref. books.
We shall put the book to good use, and I am pleased
you thought of us in this way. Hope all is well.

Yours,

(recent theses, continued):
19 November, 1984

g. Ronald J. Litwin (1983, M.Sc.--he is now working on Ph.D.): "Fertile in situ spores of ferns from the Late Triassic Chinle Formation in the plateau (Arizona and New Mexico), with discussion of the spores"

Alfred Traverse
Carl S. Keener, 306 Buckhou t

4. Collections are used every day internally. Perhaps 6 times a week. Have been gone off and on since June and am now attending to the stack of mail. Your memo of 11 June is before me. Sorry about the delay.

7. Total number of publications of A. Traverse: 115

1. Current research projects::

Total number of theses advised: 14

- a. Triassic/Jurassic palynostratigraphy and paleoecology of North America (NSF-funded)--has several sub-projects.
- b. Ordovician/Silurian evidence of early land plants (currently NSF-funded, but funding terminates soon).
- c. Devonian palynostratigraphy of Catskill magnafacies, NY-PA (funding pending).
- d. Cretaceous/Tertiary palynological sedimentation (not funded).

(All make extensive use of collections.)

2. Courses taught which depend on collections:

Geosc/Biol 423 (Palynology)
Geosc/Biol 526 (Problems in Palynology)

3. Graduate students whose work is systematic in nature:

1. Ronald J. Litwin (Palynostratigraphy and paleoecology of the Chinle Formation, USA-Southwest)

2. Volkan S. Ediger (Palynostratigraphy and paleoecology of Richmond Basin, Triassic, VA)

3. David J. Rue (Palynological evidence for activities of pre-historic man in Copan area, Honduras)

4. recent theses:

a. Norma G. Johnson (1984) M.Sc.): "Early Silurian palynomorphs from the Tuscarora Formation in Central Pennsylvania and their paleobotanical and geological significance"

b. Duck K. Choi (1983, Ph.D.): "Paleopalynology of the Upper Cretaceous-Paleogene Eureka Sound Formation of Ellesmere and Axel Heiberg Islands, Canadian Arctic Archipelago"

19 November, 1984

Alfred Traverse

Carl S. Keener, 306 Buckhou t

Have been gone off and on since June and an now attending to the stack of mail. Your memo of 11 June is before me. Sorry about the delay.

1. Current research projects::

- a. Triassic/Jurassic palynostratigraphy and paleoecology of North America (NSF-funded)--has several sub-projects.
- b. Ordovician/Silurian evidence of early land plants (currently NSF-funded, but funding terminates soon).
- c. Devonian palynostratigraphy of Catskill magnafacies, NY-PA (funding pending).
- d. Cretaceous/Tertiary palynological sedimentation (not funded).

(All make extensive use of collections.)

2. Courses taught which depend on collections:

Geosc/Biol 423 (Palynology)
Geosc/Biol 526 (Problems in Palynology)

3. Graduate students whose work is systematic in nature:

1. Ronald J. Litwin (Palynostratigraphy and paleoecology of the Chinle Formation, USA-Southwest)
2. Volkan S. Ediger (Palynostratigraphy and paleoecology of Richmond Basin, Triassic, VA)
3. David J. Rue (Palynological evidence for activities of pre-historic man in Copan area, Honduras)

4. recent theses:

- a. Norma G. Johnson (1984) M.Sc.): "Early Silurian palynomorphs from the Tuscarora Formation in Central Pennsylvania and their paleobotanical and geological significance"
- b. Duck K. Choi (1983, Ph.D.): "Paleopalynology of the Upper Cretaceous-Paleogene Eureka Sound Formation of Ellesmere and Axel Heiberg Islands, Canadian Arctic Archipelago"

(recent theses, continued):

c. Ronald J. Litwin (1983, M.Sc.--he is now working on Ph.D.): "Fertile organs and in situ spores of ferns from the Late Triassic Chinle Formation of the Colorado plateau (Arizona and New Mexico), with discussion of the associated dispersed spores"

4. Collections are used every day internally, perhaps 6 times a year by external projects.

3. Total number of publications of A. Traverse: 115

Total number of theses advised: 14

DR. ALFRED TRAVENSE
Deike Building
Pennsylvania State University
University Park, Pa. 16802

23-May-82

Dear Carl:

The ^{± annual} Harvard paleobotanical meeting
will be held sometime in late Oct.,
early Nov. (late still uncertain). If
the date happens to conflict with one or
more of my assigned lecture times (29 Oct or
1 Nov), I am hoping you will be willing to
change me — e.g. to 20-22 Oct. No
need to do anything as yet, but if necessary,
I guess I would prefer rather than follow
your "topics in species biology"?

Best

se T.

Certainly — just
keep me informed!

Carl Keener
5-25-82

Many thanks for helping me identify Elaeagnus angustifolia

(Keener)

9 April 1982

Dear Carl -

Sorry to be a nuisance, but I have this thing about unfertilized berries. I am writing about three plants of mine? (If you could "do" only the grass, it would be a big help - the others were just scraps that could go back into "limbs" over here.)

Thanks.

Happy Easter!

Al Travers

Dear Al -

The grass has been determined. Could an assistant pick up the material?

Happy post-Easter!

← one of your
good cookies! 17

1507

13 March, 1981

Dr. Carl Keener
Pennsylvania State University
Department of Biology
Buckhout Laboratory
University Park, PA 16802 USA

Dear Carl:

Thanks for your recent (undated!Tsk!) letter with grade info-- actually, those answers were terrible.

One question further--I never heard from Dr. Lindstrom about my appointment as "official" delegate for Sydney--could you please work on that? At the last Congress I worked so hard to get PSU accredited for an institutional vote that it should be exercised!

All the best! I just returned from a lecture presentation in Prague with the usual post-Iron Curtain blues, and the flu! But basically we're fine.

Yours very truly,

Alfred Traverse
Visiting Professor

AT/et

P.S. Please note enclosure--you have to use right "Postleitzahl-Nummer", or it's big trouble! Unfortunately this letterhead says "8006" and should say "8092"--(8006 is larger district and had been recently divided), but in any case, not "8042".

THE PENNSYLVANIA STATE UNIVERSITY

202 BUCKHOUT LABORATORY
UNIVERSITY PARK, PENNSYLVANIA 16802

College of Science
Department of Biology

Dr. Alfred Traverse
Visiting Professor
Geologisches Institute
E.T.H. Zentrum
Sonneggstrasse 5
CH-8042 Zürich
Switzerland

Dear Al:

Thanks for returning the exams so promptly. The four grades were as follows: B, C, D, F!

I trust all is well in Zürich. We're having unusually mild weather for February. Very little news otherwise.

With all best regards,



Carl S. Keener
Associate Professor
and Curator

CSK:gm

6 February, 1981

Dr. Carl Keener
Pennsylvania State University
Buckhout Laboratory
University Park, PA 16802 USA

Dear Carl:

Thanks so much for yours of 28 January. It came on 4 Feb., which seems about normal for now; (during holiday time--late Dec. to early Jan.--mail took about three weeks!). Interesting that (surface--there was no air mail) mail only took a week in the early 30's!

The corrected tests are enclosed. You probably better send me at least an air postcard to acknowledge receipt.

Thanks for news of Super Bowl. Actually, I already knew all about it, because German TV carried much of the game as a special feature, sort of the way American TV occasionally carries something like the Saudi-Arabian falconry competition.

Thanks for your good offices re XII-IBC. I am writing Gene immediately.

Betty and I reciprocate your and Gladys' good wishes, and wish we had seen more of you. Your participation in my institution at Huntingdon some years back was a high point for me. All the best to Gladys.

Yours faithfully,

Alfred Traverse
Visiting Professor

AT/et

encl: tests

P.S. Thanks for the "have a good time"--and it has been very rewarding, but I am working far harder than I do at PSU! (Don't quote me!) I am developing and giving a new course (for 12 students) which I plan to offer at PSU later: Neogene palynology.

free

THE PENNSYLVANIA STATE UNIVERSITY

202 BUCKHOUT LABORATORY
UNIVERSITY PARK, PENNSYLVANIA 16802

College of Science
Department of Biology

2

28 January 1981

Dr. Alfred Traverse
c/o K. J. Hsii
Geologisches Institute
E. T. H. Zentrum
Sonneggstrasse 5
CH-8006 Zürich
Switzerland

Dear Al:

Your impeccable letter of 16 January came just as the last of the four students was finishing his exam. You should find four exams covering your section with this letter. Already I've told each student to re-defer so as to avoid an automatic F. If you can send me your grades on the four exams by the end of February, all will be well.

It was good to hear about your work and of your and Betty's ecclesiastical affairs. No big news here - PSU continues as usual. Ag is looking for a dean (big 15-person committee to "search" for candidates). The Oakland Raiders beat the Eagles in Sunday's Super Bowl game, 27-10.

In regard to XII-IBC in Sydney, Ron Pursell plans to attend, but he does not want to be a delegate to the sessions on nomenclature. This leaves you. So get yourself appointed. That is, I suggest you write a letter to Gene Lindstrom, directing him precisely what to do. I shall show him a copy of your letter of 16 January to alert him.

Gladys and I often think of you and Betty and we trust you are having a wonderful time. Gladys does have her rough days, but with proper medication and a steady faith in God's goodness she is "pulling through."

Peace,

Carl

Carl S. Keener
Associate Professor
and Curator

CSK:gm

Enclosure

16 January, 1981

Dr. Carl Keener
Department of Biology
Pennsylvania State University
Buckhout Laboratory
University Park, PA 16802 USA

Dear Carl:

Glad to have an excuse to write you. I often think of my biology friends at PSU, especially you, Ron and Jim. All goes well here. It is, however, no vacation--I am giving a course, doing some research and working pretty hard on my German. The latter is especially difficult here because the local inhabs do NOT speak German, but Swyzerduts, a quite different tongue--so there is no reinforcement in the streets. Betty types my letters, and is doing also some lab work. Religion has been separating us (I), as I have been assisting at the local Old Catholic churches (in German), and Betty attends and is active in the Anglican Church.

I do have a serious question. Is one of you planning to attend XIII-IBC in Sydney next summer? I am hoping to do so, mostly because of my IAPT activities (we paleobotanists are having a big scrap about Art. 3.2). If none of you is attending, or if it is a non-nomenclaturist, I would like to be appointed the official PSU delegate--mostly because it will give me at least one more vote. Actually, you may remember that I lobbied in Leningrad, and I think got us two votes for 1981.

Do let me hear. If the answer is encouraging, I'll get to work getting me appointed--or you could pick up the phone and ask Dr. Lindstrom to make the appointment (in writing, to me, copies to President Oswald and Wayne Burnham).

Also, whatever happened about the deferred grades? I have the exam posted here as a reminder.

All the best to all of you, and also to dear Gladys, for whom I know it has been a difficult time.

Yours very truly,

Alfred Traverse
Visiting Professor

AT/et

19 December, 1979

To: Traverse

Carl Keener

Attached is the receipt for the dinner for seminar speaker, Paul Strother. He and I spent the time conferring about preparation of a proposal for an NSF grant to get him here next year. If we succeed, Paul Todd wants him to give a couple of the 427 lectures.

Enclosure: receipt for \$18.70

*Sent To
Keener*

3 October, 1979

A. Traverse

C. Keener

I'm enclosing a copy of a letter from Harlan Banks and one to him. Let me know if there's something further I should do about this. You'll want to get the title, "The Lure of Early Land Plants" into the seminar list, and anywhere else you think would be appropriate.

See you.

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

19 March, 1990

Dr. Gerta Keller
Dept. of Geological & Geophysical Sciences
Guyot Hall
Princeton University
Princeton, NJ 08544

Dear Gerta:

Dale Beeson and I have completed study of the three El Kef samples you sent. This semester is very hectic, and this is the first chance I've had to write you about it.

Two of the three samples (AFN-551 and AFN-622) were productive of palynomorphs. AFN-594 was barren.

AFN-551 contains sparse angiosperm pollen, mostly small and triporate, tricolpate and tricolporate, triporate being most abundant. There are also sparse dinoflagellate cysts, both with and without processes.

AFN-622 contains a moderately abundant palynoflora. Both dinocysts (spiny and non-spiny) and angiosperm pollen are abundant to common. Triporate pollen predominates. Many of the palynomorphs contain abundant pyrite crystals.

The fact that no fern spores were observed, that the angiosperm pollen is prevailingly of small, wind-pollinated types, plus the presence of dinocysts, indicates probable deep marine origin and might mean that the palynoflora is not representative of the continental flora. On the other hand, the lack of bisaccate conifer pollen is surprising under the circumstances--it is characteristically present in extant deep marine environments.

I would say that this study shows that El Kef samples are by no means hopeless palynologically--there is a lot of information in the palynofloras.

However, Dale and I have decided for his thesis to go for the Brazos River section, on the basis of study of a few slides made available to us by Doug Nichols, and some samples provided by

Alan Hildebrand, all of which suggest that a land-derived palynoflora will probably be present in enough samples for Dale to get a good thesis out of it. Furthermore, we can get started on the project at once.

Many thanks for your help! I hope we can work cooperatively in the future.

Yours very truly,

Alfred Traverse

AT/et
cc: D. Beeson

28 Feb 90

AFN-622

Abundant/ Common Spring Dinocysts ; few dinocysts w/out processes
 Few Nannocolles - Triporate 138.5 x 13.2 , 139.8 x 13.7
 Abundant/ Common Triporate - monopites types at sites P035
 Few Tricolporate Considerable pyrite
 Few Tricolporate

→ residue all used up.

AFN-551

→ sparse residue ; fine size fraction

Few/ Rare Dinocysts both w/ & w/out processes
 Rare Foram Test lining
 Few/ Rare Triporate
 Rare Tricolporate
 Rare Tricolporate

→ polymorphs generally poorly preserved ; low diversity

→ residue all used up.

AFN-594

barren → no organic residue recovered

(Note : No spores observed in either AFN-551 or 622.
 all terrestrial forms observed are, 1) wind transport types
 & 2) low overall diversity. This suggests a site of deposition
 distal to terrestrial input and not representative of the
 true terrestrial floral composition.

small size
 (< 30 μm)

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fax: 814-865-3191

15 January, 1990

Dr. Gerta Keller
Department of Geological & Geophysical Sciences
Guyot Hall
Princeton University
Princeton, NJ 08544

Dear Gerta:

Thanks so much for the three El Ke^b samples, per yours of 18 Dec.
(AFN 622; AFN 551; AFN 594). They are in the works, and I'll let
you know asap what we find.

I may well have misquoted Doug re the Brazos samples--the idea
was "far offshore" and therefore not spores/pollen-containing.
However, Lucy Edwards at USGS-Reston phoned a couple of days ago
about another matter. In the course of the conversation she said
the samples do contain spores and pollen. Hmm.

Thanks again and all the best.

Yours very truly,

Alfred Traverse

AT/et

Princeton University

Department of Geological and Geophysical Sciences
Guyot Hall, Princeton, New Jersey 08544-1003
Telephone: 609 452-5807

Dec. 18, 1989

Dear Dr. Traverser

Enclosed are three samples from the El Kef section (AFN 551, PO/PIa, AFN 594 and AFN 622 *G. pseudobulloides* Zone (PIc)). We estimate the paleodepth to be no more than 300 m based on benthic forams and ostracods.

I am surprised that Dong says the Brazos section is deep. Our estimate based on benthic forams and invertebrates is ~~that~~ no greater than 100-150 m. Although the absence, or near absence, of terrigenous material suggests a great distance from the shoreline.

I hope these samples from El Kef will suffice for an initial test for the presence of pollen.

Good Luck

Sincerely

Ken

Keeler

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

11 December, 1989

Dr. Gerta Keller
Dept. of Geological and Geophysical Sciences
Princeton University
Princeton, NJ 08544

Dear Dr. Keller:

Thanks for yours of 30 November.

On your advice I called Doug Nichols (who got his Ph.D. with me). He says the Brazos material is all fairly deep marine and contains few or no terrestrial palynomorphs. He sent all his to a dinoflagellate expert.

Re the Kef materials, Doug has the same opinion, but it's only an opinion and might be worth checking. Your "crushed sediments" would certainly be good enough to determine productivity. Could I have 3-4 of them to take a look? (We can work with 10 g. or even less if necessary, although it's better to have about 50 g.)

Thanks for your help. Best wishes.

Yours very truly,

Alfred Traverse

AT/et

Princeton University

Department of Geological and Geophysical Sciences

Guyot Hall, Princeton, New Jersey 08544-1003

Telephone: 609 452-5807

~~255~~ 4117
609.258-~~5807~~

Nov. 30, 1989

Dear Dr. Traverse

Thanks for your inquiry and interest in Brazos and Vef sections. As far as I know there are no ongoing studies on palynomorphs of these sections although I suspect that there may be soon a lot of interest in the Texas sections. You may check with Dang Nichols at the USGS to see who, if anyone is working in that region. As far as I'm concerned there is no problem with having your student work on these sections and I will help as much as I can.

The Brazos samples I used came from Thor Hansen, U. Washington, Bellingham (a ^{former} student of Earl Kauffman's). I have splits (a few grams) of perhaps half the samples, the rest you would need to get from Thor. For the core there may not be much left, the other sections can easily be recollected. Also there is an effort underway to re-core the Brazos. You may want to contact Al Huffman at Texas A&M (Dept. of Oceanography).

ARIZONA STATE
UNIVERSITY

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 November, 1989

Dr. Gerta Keller
Dept. of Geological and Geophysical Sciences
Princeton University
Princeton, NJ 08544

Dear Dr. Keller:

Just read your very important and informative paper in Bull. G.S.A. Is anybody looking (or has looked) at these sediments for palynomorphs? If not, a Ph.D. student of mine and I would very much like to do so. As you probably know, we need only very small samples (10-30 g.) We would want to cooperate with you in whatever way you like. I look forward to hearing. I am also writing Earle Kauffman re the Brazos samples, but the Tunisian samples are presumably in your care.

Best wishes.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et
cc: D. Beeson

ARIZONA STATE
UNIVERSITY

TEMPE, ARIZONA 85281

DEPARTMENT OF BOTANY AND MICROBIOLOGY (602) 965-3414

June 2, 1980

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

Dear Dr. Traverse:

Thank you for your return letter of May 7. I would like to do my graduate studies with you through the Department of Biology rather than the Department of Geosciences. To date, my only geology course work has been Physical Geology 101 and Historical Geology 102. While I fully intend, and ~~and~~ look forward to, filling in my somewhat shakey geological background, I am anxious to start into palynological research.

As you mentioned, I fear I have inquired too late to be accepted for Fall Term, 1980. I also will be in need of some sort of financial assistance and understand various assistantships are offered early in the year. I would like to apply, therefore, for either Spring Term, 1981 or Fall Term, 1981. I do not know if my need for financial assistance will restrict me to applying for the latter fall term. In either case, it appears I have the opportunity to get in a little background course work which can certainly do me no harm.

Thanks again for your letter and I hope this one has clarified my situation more thoroughly.

Sincerely yours,


Kurtis C. Kelley

ARIZONA STATE
UNIVERSITY

DEPARTMENT OF BOTANY AND MICROBIOLOGY (602) 965-3414

April 2/, 1980

Prof. Alfred Traverse
Dept. of Geosciences
529 Deike Bldg.
Pennsylvania State University
University Park, Pennsylvania 16802
9 June, 1980

Dear Dr. Traverse

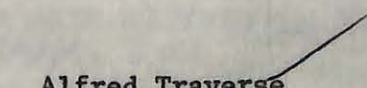
Mr. Kurtis C. Kelley from A.S.U. this spring with a B.S. in
Department of Botany presently in search of a place to do graduate
Arizona State University Palynology. My excitement in the prospects
Tempe, AZ 85281 of this field has increased over the last few years through
conversations with graduate students and professors, and
classes I have taken in paleobotany, palynology, and geo-
Dear Mr. Kelley: logy. Your name has come up numerous times in these con-
versations.

I would greatly appreciate any suggestions you may have
Biology here is trying to keep their admissions to Fall Term only.
Therefore, I would advise you to work toward Fall, '81. Good thing, also
really, as I shall be on sabbatical for Spring '81! By all means university
get to work on the application procedure, however. Be sure to get
as good GRE scores as humanly possible--PSU seems to be on a GRE kick.
Keep us informed. Call on me to help in whatever way possible--but
remember I'll be gone from 1 Nov., 1980--1 May 1981. I assume you've
written to the Graduate School here and to the Graduate Admissions Com-
mittee of Biology for all their materials.

Best wishes.


Kurtis C. Kelley

Yours very truly,


Alfred Traverse
Professor of Palynology

AT/et

ARIZONA STATE
UNIVERSITY

TEMPE, ARIZONA 85281

DEPARTMENT OF BOTANY AND MICROBIOLOGY (602) 965-3414

April 2/, 1980

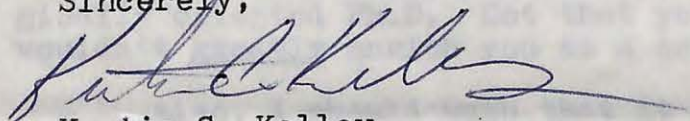
Prof. Alfred Traverse
Dept. of Geosciences
529 Deike Bldg.
Pennsylvania State University
University Park, Pennsylvania 16802

Dear Dr. Traverse

I am graduating from A.S.U. this spring with a B.S. in Botany and am presently in search of a place to do graduate work in paleopalynology. My excitement in the prospects of this field has increased over the last few years through conversations with graduate students and professors, and classes I have taken in paleobotany, palynology, and geology. Your name has come up numerous times in these conversations.

I would greatly appreciate any suggestions you may have concerning working in this field and the opportunity for graduate work at Pennsylvania State University. I would also appreciate receiving a departmental application, university catalog, and information pertaining to financial assistance.

Sincerely,



Kurtis C. Kelley

7 May, 1980

Mr. Kurtis C. Kelley
Department of Botany and Microbiology
Arizona State University
Tempe, AZ 85281

Dear Mr. Kelley:

Thanks for yours of 21 April. I am glad to hear that you are interested in palynological graduate work. However, before I can get on with sending materials, etc., I need to know whether you contemplate working in the Biology Department or in the Department of Geosciences here. I have a joint appointment, and it is possible to study with me either way. However, nearly all of my graduate students happen to have come to me via geology. The problem is that if you are not an undergrad geology major, the committee established in Geosciences here could require a lot of make-up. For example, have you ever been at a geological summer field camp?

Of course, the eventual employment opportunities are much better (=more numerous) if you come out with a geologically oriented Ph.D. Not that your botanical background wouldn't greatly enrich you as a scientist in this field!

Also, I should warn that it is already marginally too late for Fall Term, 1980. What sort of time did you have in mind?

Hoping to hear from you with clarifying info and with best wishes to my friends in Tempe, I am

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

cc: Graduate Admissions Committee, Dept. of Geosciences

31 July, 1985

Alfred Traverse, 435 Deike

J. Kelly, 304 Grange

re: "Course Selector"

On p. 33 of the current "Course Selector", one of my courses, Geosciences 002, is correctly described, but is labelled "Geosciences 001" (see enclosure). Unfortunate. Please try to correct in future editions.

AT/et
encl

2 July, 1984

Dr. Geoffrey Bannister
Dean, College of Liberal Arts
725 Commonwealth Ave.
Boston, MA 02215

Dear Dr. Bannister:

Yours of 25 June re Gerald K. Kelso just arrived. Although I have heard of Dr. Kelso's palynological work, mostly from my former student and associate, Paul K. Strother, I do not know much about Kelso's scholarly efforts. I gather from palynological bibliographies that his research must not deal primarily with palynology, as I keep more or less current with the total literature. From what I recall of Paul's descriptions of his interests I would recommend as possible evaluators:

Dr. Vaughn M. Bryant, Jr.
Palynology Labs.
Division of Biological Sciences
Texas A & M University
College Station, TX 77843

&

Dr. Calvin J. Heusser
Department of Biology
New York University
Sterling Forest, P.O. Box 608
Tuxedo, NY 10987

Sorry that I can't be more helpful. Hoping to meet you one of these days when I visit Paul, I am

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

P.S. Please note that my current address is 435 Deike.

Boston University *W. J. ...*

College of Liberal Arts
725 Commonwealth Avenue
Boston, Massachusetts 02215

Office of the Dean



June 25, 1984

Professor Alfred Traverse
Department of Geosciences
Deike 529
Pennsylvania State University
University Park, PA 16802

Dear Professor Traverse:

file

Professor Gerald K. Kelso of the Department of Archaeology is being considered for tenure and promotion to Associate Professor at Boston University. I am writing to ask you to evaluate his scholarly work as an aid in our review. What we seek is a very specific evaluation including some judgment of Professor Kelso's comparative standing in the field and his future promise as indicated by his work to date. I would also be very appreciative of any suggestions you may have on additional evaluators who would, in your informed opinion, be suitable referees in this case. A copy of his resume is enclosed.

Please let me know as soon as possible if you can assist us in this important evaluation. I will send you the materials at that time. I hope to receive outside evaluations of Professor Kelso no later than September 1, 1984, since our internal review at the College level begins soon after.

Decisions concerning tenure are, of course, very difficult these days and we must be certain of the excellence of the scholarship of our candidates. Your judgment in this matter will be of great importance to us. I do hope that you will be able to help us.

Sincerely,

G. Bannister
Geoffrey Bannister,
Dean

GB:jc

Enc.

CURRICULUM VITAE

Gerald K. Kelso

EDUCATION

University of New Mexico, Albuquerque, 1956-1961
 B.A. Anthropology, 1961
 University of Arizona, Tuscon, 1965-1967; 1968-1976
 M.A. Anthropology, 1971
 Ph.D. Anthropology (Archaeology), 1976

ACADEMIC EXPERIENCE

Teaching Assistant, University of Arizona, Department of Anthropology, 1965-1966 (Introduction to Cultural Anthropology).
 Research Assistant, University of Arizona Geochronology Laboratory, 1966-1967 (Palynology of Sierra Nevada).
 Research Assistant, University of Arizona Geochronology Laboratory, 1968-1969 (Palynology of Arid Lands Alluvium).
 Teaching Assistant, University of Arizona, Department of Anthropology, 1969-1970 (Introduction to Archaeology and Physical Anthropology).
 Research Assistant, University of Arizona, Department of Geosciences, Laboratory of Paleoenvironmental Studies, 1970-1978 (Palynology of Archaeological Sites).
 Research Associate, University of Arizona, Department of Geosciences, Laboratory of Paleoenvironmental Studies, 1978-1979.
 Assistant Professor, Boston University, Anthropology and Archaeology, Coordinator of Laboratories, Department of Archaeology, Boston University, 1979-Present.
 Faculty Member, Center for Materials Research in Archaeology and Ethnology (M.I.T.), 1980-Present.

Courses Taught:

AR 102: Introduction to Sciences in Archaeology
 AR 380: Introduction to Pollen Analysis
 AR 404/ 883: Analysis and Conservation of Archaeological and Ethnological Materials
 AR 381: Introduction to Palaeoethnobotany
 AR 550: North American Archaeology (various areas and topics)
 AR 702/ 703: Biological Materials in Prehistory
 AR 802: Topics in Human Palaeoecology

Courses Developed for Future Introduction:

AR 382: Introduction to Zooarchaeology
 AR 515: Interdisciplinary Reconstruction of Quaternary Environments

FIELD EXPERIENCE

- Student, University of Arizona Archaeological Field School, Cibique, Arizona, 1965.
- Co-foreman, National Geographic Society Murray Springs Early Man (Clovis) Archaeological Expedition; C.V. Haynes, Director, 1968.
- Dig Supervisor, National Geographic Society Murray Springs Early Man (Clovis) Archaeological Expedition; C.V. Haynes, Director 1970, 1971.
- Archaeological Assistant, Western Ozark Highland Pleistocene Spring Deposits Project, Illinois State Museum; R. Bruce McMillan and E.H. Lindsay, Principal Investigators, 1971.

GRANTS AWARDED

- Boston University Graduate School Research "Seed-Money" Award (Palynology of the Wind-Mountain Archaeological Site, West-Central New Mexico), \$1,112.13, 1979.
- National Science Foundation (Palynological Research Equipment), \$21,553.00, 1980.
- Amerind Foundation, Dragoon, Arizona; Contribution for laboratory facilities, \$1,695.00, 1983.
- Quseir Al-Qadim Project (Oriental Institute, Chicago, IL); Contribution for laboratory services, \$420.00, 1984.
- Museum of Anthropology, University of Michigan, Ann Arbor, MI; Contribution for laboratory services, \$300.00, 1984.
- National Science Foundation (Palynological/Palaeobotanical research section of "Development of Pastoral Economies in Southern Africa," Edwin Wilmsen, Principal Investigator), \$6,000.00 of \$98,000.00 total.

PUBLICATIONS

- 1969 "Preliminary Palynological Analysis of Lovelock Cave Coprolites", Part III in Archaeological and Paleobiological Investigations in Lovelock Cave, Nevada: Further Analysis of Human Coprolites. L.K. Napton (ed.), Kroeber Anthropological Society Special Publication No. 2:9-27. University of California, Berkeley (with L.K. Napton).
- 1970 "Hogup Cave Utah: Comparative Pollen Analysis of Human Coprolites and Cave Fill." Appendix IV in Hogup Cave, C. Melvin Aikens et al. University of Utah Anthropological Paper No. 93: 251-262. Salt Lake City.
- 1974 "Pollen Analysis of Reservoir No. 2 and Macaw Nesting Boxes" in Casas Grandes, A Fallen Trading Center of the Gran Chichimeca. Charles DiPeso (ed.), Vol. 9:33-36, Northland Press, Flagstaff, Arizona.
- 1976 Absolute Pollen Frequencies Applied to the Interpretation of Human Activities in Northern Arizona. Ph.D. Dissertation, University of Arizona, Tucson, 170 pp.

- 1976 "Pollen Analysis of Human Coprolites: Implications of Experimental Evidence from Modern Fecal Samples," Proceedings of the 4th Biennial Meeting, American Quaternary Association. (with A.M. Solomon), p. 143.
- 1977 "Pollen Analysis of House Floors from the Verde View and Wasley's Sites, Verde Valley, Arizona," in Copper Canyon to McGuireville Project: Archaeological Investigations in the Middle Verde Valley. Randall McGuire et al., Contributions to Highway Salvage Archaeology No. 45: 105-115, Arizona State Museum, Tucson.
- 1978 "Pollen Analysis of Selected Samples from Three Archaeological Sites in the Greenlee to Dos Conado Survey Area," in The AEPCO Project, Phase I Greenlee to Dos Conado: Survey and Data Recovery of Archaeological Resources. K. Simpson et al., Contribution to the Archaeological Series, Cultural Resource Management Section: No. 27:337-343, Arizona State Museum, Tucson.
- 1979 "Pollen Analysis of Surface Recovered Ground-Stone Artifacts, AEPCO Phase II," accepted for publication in The AEPCO Project Phase II, Dos Conado to Apache: Survey and Data Recovery of Archaeological Resources. Deborah A. Westfall et al. Contributions to the Archaeological Series, Cultural Resource Management Section: No. 117:335-344, Arizona State Museum, Tucson.
- 1980 "Palynology and Human Paleoecology in Dead Valley," accepted for publication in Prehistory in Dead Valley East Central Arizona: The TG & E Springerville Project. David E. Doyle et al., Contributions to the Archaeological Series, Cultural Resources Management Section: No. 144:349-370, Arizona State Museum, Tucson.
- 1981 "Paleoenvironmental Reconstruction at Canyon del Muerto Arizona Based on Principal-component Analysis," In The Canyon del Muerto Survey Project: Anasazi and Navajo Archaeology in Northeastern Arizona. P.L. Fall, J.A. McDonald and P.C. Magers. Western Archaeological Center Publications in Anthropology No. 15. pp. 337-352. U.S. National Park Service, Tucson. (with P.L. Fall and V. Makgraf).
- 1981 "Paleoenvironmental Reconstruction at Canyon del Muerto, Arizona Based on Principal-component Analysis," Journal of Archaeological Science. Vol. 8:297-307, (with Patricia L. Fall and Vera Markgraf).
- 1982 "Two Pollen Profiles from Grasshopper Ruin," accepted for publication in Multi-Disciplinary Studies at Grasshopper Ruin. W.A. Longacre et al., University of Arizona Anthropological Papers No. 40:106-109, University of Arizona Press, Tucson.

- 1982 "Palynology and Prehistoric Diet at Five Settlements," in Cholla Project Archaeology. J. Jefferson Reid (ed.) Cultural Resource Management Division, Arizona State Museum, Archaeological Series No. 161: 145-154, Arizona State Museum, Tucson (with M.K. Faught).
- 1983 "Exploratory Pollen Analysis of the Bostonian Hotel Site," in Archaeology of the Bostonian Hotel Site. J.W. Bradley et al., Massachusetts Historical Commission Occasional Publications in Archaeology and History No 2: 67-76. Boston (with Johanna Schoss).

PUBLICATIONS IN PRESS

"Pollen Analysis of Human Coprolites from Inscription House, Navajo National Monument," accepted for publication in Archaeology of Inscription House, Navajo National Monument. Albert E. Ward et al., U.S. National Park Service, Tucson.

"Pollen Analysis of Reservoir Sediments at Rattlesnake Ruin." Accepted for publication in a volume on Anasazi origins to be produced by the Museum of New Mexico under the editorship of F.H. Ellis.

Palynology, Prehistoric Environment and Plant Use at the Wind Mountain and Rideout Sites." Accepted for publication in a volume on Mogollon trade relationships to be produced by the Amerind Foundation, Dragoon, Arizona under the editorship of Emil Haury.

"Pollen Analysis of Beeswax from the Eye of an 18th Century Mexican Santo," accepted for publication in Conservation and Analysis of Five 18th Century Mexican Santos. Gloria F. Giffords et al., U.S. National Park Service, Phoenix.

RESEARCH REPORTS

- 1978 Pollen Analysis of Samples from Two Trash Dumps at Bent's Old Fort, Colorado. Report submitted to the U.S. National Park Service, Denver.
- 1979 A Pollen Profile from CA SBr-1000. Report submitted to Patricia Martz, Archaeological Research Unit, University of California, Riverside.
- 1983 Pollen Analysis of Surface and Near Surface Sediments at AZ:T:16:47. Report submitted to Jon Czaplicki, Cultural Resource Management Division, Arizona State Museum, Tucson.

RECENT PRESENTATIONS

- 1983 Experiments in the Reliability of Coprolite Pollen Spectra. Society for American Archaeology, Annual Meeting, Pittsburgh, PA, April 1983.

RESEARCH IN PROGRESS

Two Late Quaternary Pollen Profiles from Ain el-Assad (Lion Spring), Azraq, Jordan. Completed and submitted to colleagues for pre-publication criticism.

The Effects of Human Gastro-Intestinal Motility on Coprolite Pollen Spectra. Ms. in final draft.

Shattuck Farm: Palynology and Colonial Farming in New England. Ms. in progress.

RI-1000: Season of Mortality in a Colonial Period Narragansett Population. Laboratory research in progress.

Quseir Al-Qadim. Red Sea Coast, Egypt: Palynological Evidence for Plant Use and Seasonal Movement Among Mamluk Period Islamic Pilgrims (with Irene Good). Laboratory research in progress.

Land-Use and the Development of Rice Agriculture in Madagascar (with Gerald Macomber). Laboratory research in progress.

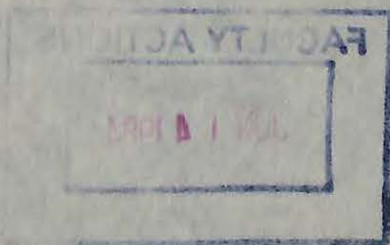
Historical Reconstruction of Late Quaternary Beach Ridges, South Dartmouth, Massachusetts (with Andrew Bakinowski). Laboratory research in progress.

Palynological Investigation of Milling Stones and Early Agriculture in Portugal (with Karl M. Petruso). Laboratory research in progress.

Marea, Egypt: Implications of Palynology for Arid-Lands Urban Archaeology. Laboratory research in progress.

Stobi, Yugoslavia: Palynology and Plant Use in a Byzantine Urban Society (with Irene Good). Laboratory research in progress.

New England Glassworks: The Impact of Colonial Industry on the Natural Vegetation of New Hampshire. Laboratory research in progress.





BUREAU OF MINERAL RESOURCES, GEOLOGY & GEOPHYSICS

CNR CONSTITUTION AVENUE AND ANZAC PARADE, CANBERRA
Postal address: P O Box 378, Canberra City, A.C.T. 2601
Please address all communications to the Director

Telephone: 499111
Telegrams: BUROMIN
Telex: 62109

Department of Minerals & Energy

In reply please quote:

13th May 1980

Dear Al,

You now have a savings account with the Bank of NSW in Canberra - it now contains the mighty sum of one dollar, which is earning interest. You can buy me a cup of coffee on that in Cambridge!

- I enclose
1. Your savings book
 2. A form S which you must sign and return to the bank
 3. Deposit and withdrawal forms.

There is one minor complication, in that your account is in Canberra and you presumably will want to operate on it in Sydney. You will have to write to Canberra sometime next year and ask them to transfer your funds to a Sydney branch - there is one on Sydney University campus. I understand from the local bank that this will be no problem.

Happy banking - see you in Cambridge.

Sincerely,

Elizabeth.
Keep

Bureau of Mineral Resources
P. O. Box 378
Canberra

Dear Al,

Just a note to say many thanks
for the reprints recently received. I especially
enjoyed your very lively review of the
Dott & Batten text:

I have just completed a paper on the
palynology of one material from Leg 28
(Antarctica) of the Deep Sea Drilling project, & hope
to have reprints of that soon ... it was a bit of
a disappointment as far as enhancing the picture of
the Antarctic Tertiary vegetation. Hopefully we
will have better luck next time.

All good wishes,
Elizabeth Kemp

May 1, 1970

Dr. Elizabeth Kemp
Bureau of Mineral Resources
P. O. Box 378
Canberra City, A. C. T.
Australia

Dear Elizabeth:

I was pleased to get the copy of your recent publication, "Palynological Examination of Samples from the Beaver Lake Area...." It seems as if you are extending your stratigraphic range a bit! I do hope you will keep me informed about your work in the future. Here at Penn State we have been busy this year. We hosted the second annual convention of the American Association of Stratigraphic Palynologists--it was a very successful meeting. One of my students (Doug Nichols) got his degree and has gone to university teaching. His Ph.D. thesis, on Eocene material from Texas, will be published one of these days. Another student is busily hacking away at the Triassic of Texas. We are also devoting considerable attention to computer-based palynological data storage and retrieval, as you may have heard. I am enclosing a copy of the abstracts of the convention, in case it might be of interest. Very best wishes to you as always.

Yours very truly,

Alfred Traverse
Associate Professor of
Geology and Biology

AT/mrw
Enclosure

STANFORD UNIVERSITY
STANFORD, CALIFORNIA 94305

DEPARTMENT OF BIOLOGICAL SCIENCES

November 10, 1969

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

Dear Al,

What a delightful voice from the past! I've been able to keep up with your travels somewhat through hearing about them from Bill Kaufman, but had forgotten your current address. I'll certainly make an effort to drop in on you sometime or other-- it would be a great pleasure.

As ever,


Donald Kennedy

DK/s

November 5, 1969

Dr. Donald Kennedy
Department of Biological Sciences
Stanford University
Stanford, California 94305

Dear Don:

Just read your article "Structure and function of identified nerve cells in crayfish", in the current number of Endeavor. Quite apart from the fact that the article was fascinating reading to an old botanist such as I, it was good fun to be reminded once again of your existence. Remember when we used to throw wadded up paper at my wastepaper basket back in Harvard days? Bet you're so dignified that you can't imagine your having done such a thing. If you ever get out this way don't miss a chance to pop in at Penn State and spend some time with us.

Yours very truly,



Alfred Traverse
Associate Professor of Geology
and Biology

AT:vsi

THE PENNSYLVANIA STATE UNIVERSITY

Department of Biology
The Botany Section

11 II 69

Dear Al:

Just a note to thank you in writing for your interesting seminar. In talking with a few others from the Botany Section, I heard good comments. One professor said that you stuck to one major theme which was clearly delivered - you didn't try to cover all of polynology.

Again, many thanks,

Carl Keener

May 31, 1968

Carl S. Keener *CSK*

Dr. Joseph G. O'Hara
Dr. Clark Dalton
✓ Dr. Alfred Traverse
Dr. Albert Guber
Dr. Roger Cuffey
Dr. John Linnex
Dr. Robert Costantino

Here is the final schedule of lecture topics for Biology 501 (Evolution), a 2 hour credit course planned for the Fall Term, 1968. I am also including the list of books forming the core of readings for the students.

If you have any questions with regard to these materials, please contact me at 865-6201.

Mt. Lake Biol. Station

26 July 1968

Dear [redacted]:

[Re Sub Jun [redacted]]
app. for fellowship.

I got your request and I immediately
dispatched the forms to Miss
Gregory. Hope my comments produce
the desired result.

I'm having a good but strenuous time
teaching seven ambitious students. I'm learning
a lot. Have a good summer.

With best regards,
Carl Keener

July 22, 1968

Dr. Carl S. Keener
Mountain Lake Biological Station
Route 1
Pembroke, Virginia 24136

Dear Carl:

Hope you are having a good "vacation". I am sorry to bother you at your mountain retreat.

Bob Dunay, one of my graduate students, who's work in your courses during this last year you will presumably remember, has been nominated for an NDEA fellowship. We need a recommendation for him from somebody outside the department. Bob and I think you are the best one to do this. I am enclosing the appropriate form. Could you take a few minutes to fill out same? There seems to be a form of urgency about this. Please send the form directly to:

Miss Frances Gregory
Deike 305
University Park, Pa. 16802

Thank you very much for helping us out in this way. I look forward to seeing you at the AIBS meetings.

Yours very truly,

Alfred Traverse
Associate Professor of Geology

AT:kwc

U
January 30, 1956

Superintendent Kegel
Roddergrube
Knappsack
Germany

Dear Mr. Kegel:

This is to acknowledge your many kindnesses in showing me around some of the sights of your brown coal operations on 14 December, 1955. You may remember that I was brought to your mines by Drs. Ulrich Rein and Gunther von der Brelie. All of your courtesies were much appreciated, and I remember the tour as a high-point of my stay in Europe.

Glück auf!

Ar

Alfred Traverse

AT:hmp

Shell Development Company
Exploration and Production Research

file Kemp

9 April, 1980

Dr. Elizabeth M. Truswell
Bureau of Mineral Resources
P.O. Box 378
Canberra, A.C.T. 2601
Australia

Dear Elizabeth:

Have a favor to request!

I recently was an external examiner on a thesis of a student of Basil Balme's. There was an honorarium of \$85 Australian. I know from experience that my bank here will eat up at least \$15 of it before they're through with their various charges. I intend to be at the Int. Bot. Congress in Sydney in '81. It seems sensible therefore to put this money in a savings account in the Bank of New South Wales at interest. Perhaps I can generate more Australian dollars to add to it. In any event the money would be used in '81--spent in Australia!

Now the favor--would you be willing to open a savings account for me at BNSW, or would that be so complicated as to discourage the idea? Do you have an alternative idea?

Looking forward to hearing from you.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et



Department of Minerals & Energy

BUREAU OF MINERAL RESOURCES, GEOLOGY & GEOPHYSICS

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Telephone: 499111
Telegrams: BUROMIN
Telex: 62109

In reply please quote:

Mar 80

Dear Al,

A very belated note to say very many thanks for reading through the 'Pre-Cenozoic palynology and continental movements' manuscript.

I have taken note of most of the points you raised - your point about diagrams is also well taken, but we were very restricted in the number we could include, so my choice had to be pretty arbitrary.

Your 'sermon' about women changing their names in print seems to beg some explanation, apology, or whatever! My only plea is that it's too late now! However, I have only published under two names, Kemp and Truswell... so I'm not looking to set any new records. Though come to think of it, that could be a challenge worth taking up....?

Anyway, thanks again for your useful comments. I anticipate being at the Cambridge meeting, and look forward to seeing you there.

With best wishes,

Elizabeth Truswell.

File Kemp

Bureau of Mineral Resources
P.O. Box 8
Canberra City, ACT 2601

Dear Al,
Many thanks for the interesting
reprints recently received. Found your critique
of the NFH thesis very entertaining! Not
~~sure~~ sure, however, that I can ever get
used to 'Corollina'!

Best wishes,
Elizabeth Kemp

THE FLORIDA STATE UNIVERSITY

TALLAHASSEE 32306

DEPARTMENT OF GEOLOGY

June 9, 1971

Dr. Alfred Traverse
Catalog of Fossil Spores and Pollen
Deike Building
Pennsylvania State University
University Park
Pennsylvania 16802

Dear Al:

I've just received your letter of April 6th, forwarded on to me from Perth. It looks as though I might be able to get to an AASP Convention at last, as I have transferred to FSU on a post-doctoral grant for a year or so. I'm working here on Southern Hemisphere Paleozoic spores, in an effort to get some kind of age control on the late Paleozoic glaciation. A broad enough project, which I'm attacking in bits, commencing with Antarctica. I'm also trying to keep my hand in with the Australian Albian.

I'm genuinely sorry that I can't meet your request for slides of some representative British Cretaceous material. I brought just a few slides away from Cambridge with me, and even those are now in Australia. All the residues I lodged with the rock samples in the Sedgwick Museum.

I look forward to renewing our acquaintance.

With best wishes,



Elizabeth Kemp

EK/d

April 6, 1971

Dr. Elizabeth M. Kemp
West Australian Petroleum Pty. Ltd.
Box C 1580
G.P.O., Perth, West Australia
Australia

Dear Elizabeth:

It was so kind of you to send me a copy of "Aptian and Albian Miospores from Southern England". I, of course, remember seeing part of the work in an earlier stage of development at Cambridge in 1966. Brenner's work with which you have made so many fruitful comparisons was originally done here at Penn State (albeit before my time), and we have a set of his slides as part of our reference collection. It occurs to me that perhaps you would at your convenience be willing to make us a few slides from some of your British localities for use in the reference collections. I realize that this would be impossible if you don't have duplicate material where you are now.

I am writing this at St. Louis, where we have just had the Executive Committee session of the American Association of Stratigraphic Palynologists. We are making plans for the Fourth Annual Conventinn, at Tucson in October of this year.

Best wishes to you.

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT/vsi

Encl.

ask her if 15th not W.
AASP
check over cleared

WEST AUSTRALIAN PETROLEUM PTY., LIMITED

INC. IN N.S.W.

TELEPHONE 23 3941
TELEGRAPHIC ADDRESS: WAPET
IN REPLY PLEASE QUOTE

22 ST. GEORGE'S TERRACE,
BOX C 1580
G.P.O. PERTH, W.A.
6001

26th May, 1970.

Dear Al,

Thank you for your letter, and for sending the abstracts of the AASP convention.

I have been meaning to write to you for some time concerning my membership of the AASP. About a year & a half ago I sent back the membership form you sent me, plus a cheque for my dues, but as I didn't hear from anyone, nor receive any circulars, I assume my letter went astray in the mail. It was probably gobbled up by a rather notorious mail sorting machine at the Sydney mail exchange!!

Anyway, I'd like to try again to get myself registered as a member, so I'm enclosing another bank draft to cover dues (I hope they haven't gone up!), and would like to ask you to act as a sponsor for me. Dick Evans of ESSO in Sydney sponsored me on the last application - so I guess you can count him in as sponsor No. 2 if it's necessary.

As you can see from the letterhead, I've rejoined Wapet after a year with the Bureau of Mineral Resources in Canberra. The present position I have with the company is essentially a research one - we have

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G.P.O. PERTH, W.A.
6001

recently installed a Scanning E.M., so I'm essentially engaged in building a catalogue of SEM photomicrographs of our stratigraphically useful palynomorphs, both spores and microplantlets. At the moment I'm involved in a detailed study of morphology & stratigraphic distribution of Triassic acanthoids.

Prospects for publication are fair — the Company has already contributed towards cost of publishing the rest of my Ph.D. thesis, which is in press in *Palaeontographica*, so I'm hopeful that some of the West Australian material will eventually be seen in print.

In July I'm off to South Africa to attend the Gondwanaland Symposium, which is of particular interest to us here — and should be a good opportunity to catch up with what other people have been doing.

Best wishes,

Elizabeth Kemp.

March 18, 1969

Dr. Elizabeth Kemp
Bureau of Mineral Resources
P.O. Box 378
Canberra City, A.C.T.
Australia

Dear Elizabeth:

Enjoyed your recent paper, "Probably angiosperm pollen....". You could have taken a swipe at Axelrod, who is mostly responsible for the notion of long pre-Albian angiosperm history. But what if the earliest angiosperm were monocots?

Good to hear from you. Hope to see you again some year.

Yours very truly,

Alfred Traverse
Associate Professor of Geology

AT:kwc

May 15, 1959

Mr. Charles E. Kennedy
Aransas National Wildlife Refuge
Austwell, Texas

Dear Chuck:

I enjoyed meeting you last week and look forward to future contacts. From your facile ability to pop the blueberry (Vaccinium) and Manzanita (Arctostaphylos) accurately into the same plant family, I have the impression you have the makings of a pretty good botanist. I hope you will be at Aransas long enough to help insure that the Refuge institutes a herbarium, a project that will require the acquisition of a case, proper use of insect repellents, and requests that persons who collect plants at the Refuge make duplicates for the Refuge herbarium. That would be a good start anyway.

Next time I come I'm going to bring skin-curing equipment so that I can take advantage of offers such as the specimen of Crotalus sp. that you showed me. I should have liked to have heard about the stomach contents.

Best wishes.

Very truly yours,



Alfred Traverse

AT:pjd

Shell Development Company
Exploration and Production Research Division

22 February, 1966

Dr. L. G. Kennamer
Associate Dean
College of Arts and Sciences
University of Texas

Dear Dean Kennamer:

Mr. Andy Abercrombie, who was in my Geology 60lb.3 class last term, has asked me to write you regarding his performance in the course.

This is to provide you with the additional information beyond his creditable performance of "C" (especially creditable since he was taking 60lb without having the normally prerequisite 60la) that Andy's attitude was exceptionally good. He is shown in my attendance book as having 100% attendance. He frequently came around during my office hours to seek help and otherwise behaved as a person who was trying to perform up to capacity.

Yours very truly,



Alfred Traverse

Assistant Professor of Geology

Donald Kennedy to Head FDA

Health, Education, and Welfare (HEW) Secretary Joseph A. Califano, Jr., has named Donald Kennedy, a Stanford University biologist and teacher, to be commissioner of the Food and Drug Administration. The announcement, which came on 3 March, took almost everybody in rumor-happy Washington by surprise. In the first place, Kennedy is not an M.D. and although there is no good reason why the FDA commissioner need be a physician, everyone who speculated on the post at all guessed that the new Administration would maintain what has been a "traditional" requirement for the post since 1965. In the second place, Kennedy is a Ph.D. (from Harvard) neurophysiologist who has had very little direct experience with drugs or drug policy. As he told *Science*, his only contact with drugs has been in research when he used to "dump drugs on neuron preparations" for the study of neurophysiological processes. It is hardly the kind of background one might anticipate in an FDA commissioner. However, it seems that Kennedy's very lack of experience in the drug field—from pharmacology to prescription writing—makes him an appealing choice to FDA's multitudes of antagonistic constituents. It is a political honeymoon to be sure, but Kennedy will have the luxury of taking office with expressions of approval even from the agency's critics.



Donald Kennedy

The Nader-affiliated Health Research Group for instance, which monitors FDA on behalf of the "consumer," welcomes Kennedy and his Ph.D. on grounds that a man who has not been trained in the medical profession has not been taught from school days on to believe that all drugs and drug-makers are good. (Kennedy, for his part, is happy to have this public interest support but points out, lest anyone get too carried away, that he has had considerable contact with medicine inasmuch as he has been teaching Stanford medical students for years.)

At the other end of the spectrum of FDA's constituents, the American Medical Association has declared Kennedy a good choice. And the Pharmaceutical Manufacturers Association (PMA), which represents the drug companies the FDA regulates, is ready to expect the best. Said a PMA spokesman, "We don't really know anything at all about Kennedy. He certainly isn't 'our' candidate for the job. But absolutely everything we've been able to find out about him is good and we're very hopeful about developing a decent working relationship."

Indeed, Kennedy was not PMA's candidate, nor that of any special interest group with ties to the FDA. In fact, he got the job in a slightly round-about way. If he was anyone's candidate for a position in the new Administration, he was the choice of members of the local scientific establishment, including David A. Hamburg, president of the Institute of Medicine of the National Academy of Sciences. Hamburg and others urged HEW Secretary Califano to see Kennedy but the job they had in mind at first was assistant secretary for health. However, after talking the matter over, Califano

and Kennedy apparently agreed that the assistant secretary, whose main function during the next 4 years will be to take on organized medicine as HEW tries to contain rising medical costs and promote National Health Insurance at the same time, really should be an M.D. So, Califano asked Kennedy to take on the job of running FDA which, it is generally agreed, is about as contentious and challenging a position as that of HEW Secretary itself.

As far as FDA commissioners go, there is little doubt that Kennedy is a different breed of cat. He has thrived in the intellectual domain of basic research for which he has been well rewarded. At 45, Kennedy is in ways the "establishment scientist" incarnate: a member of the National Academy of Sciences, the Institute of Medicine, and the American Philosophical Association, which admits only a small number of the nation's scholars to its ranks. Washington lawyer Peter Barton Hutt, who was for several years chief counsel to the FDA, says with characteristic exuberance that Kennedy's appointment "upgrades the FDA beyond anyone's wildest hopes."

But Kennedy is not all academic. During the past few years he has taken an active interest in politics, manifested most recently by his willingness, even eagerness, to shuttle between Washington and Palo Alto in order to be senior consultant to the White House Office of Science and Technology Policy (OSTP). In that capacity, he says, he helped create an office that has a "sound structure" so that it could get off to a running start with either a Democratic or Republican president. Furthermore, by his very presence he reminded everyone that, although physical scientists have dominated the White House science policy scene for 20 years, the life sciences count too. As far as specific issues go, Kennedy recently has devoted considerable energy to agriculture. He was active in a national academy analysis of the effects of pesticides on health and the environment, and he deserves some of the credit for establishing within the Department of Agriculture a brand new program to expand its support of basic research.

Thus Kennedy comes to FDA with a reasonable amount of Washington experience and impeccable scientific credentials. He says he comes "with his eyes open" to the problems of the agency but most Washington hands agree that there is no way one can fully comprehend what FDA is all about if the closest one has been to it is Palo Alto.

Kennedy says he comes to FDA without an "agenda," and without the illusion that he is a "man on horseback" with the power to set things right. And he readily concedes he has a lot to learn. What he does hope at present is that he will be able to recruit good people to the agency. (That is the constant hope of all FDA commissioners but some observers believe that Kennedy's personal stature in science will give him a leg up in this regard.) And he hopes to do something to improve the FDA's dismal morale. He recognizes it has been for the past couple of years an agency "under siege" during a period of controversial outside investigation into internal policy. "Nobody can be expected to work well in that kind of atmosphere," Kennedy told *Science*, "and nobody should have to."

Kennedy's appointment does not require Senate confirmation, just FBI clearance which he expects any day. Then, his initiation begins.—BARBARA J. CULLITON

ment should or should not assume the burden at West Valley.

In an article to be published in the May issue of *Technology Review*, Richard K. Lester and David J. Rose, both of the Nuclear Engineering Department at the Massachusetts Institute of Technology, caution that "there is a specific job to be

done at West Valley" and that it should not be lost sight of in a debate over who should bear the cost of disposing of the NFS wastes or over the broader issue of what role the federal government should play in the nuclear fuel cycle. They suggest that Congress immediately authorize ERDA to develop a set of management

options for the West Valley wastes, that the NRC decide which options are to be pursued, and that Congress then appropriate the money for ERDA to act on the options selected. While this is going on, the authors say, the question of who is to pay can be resolved, either in the courts or elsewhere.—LUTHER J. CARTER

Alaskan Gas: Impact of Pipeline on Canadian North Stirs a Debate

Since 1968 public attention has focused on the 8 billion barrels of oil estimated to lie in Alaska's Prudhoe Bay reserves. But this winter's harsh weather has turned the attention of government

and energy industry officials to the 26 trillion cubic feet of natural gas projected to be associated with the oil. While this gas—equal to about 10 percent of the proved reserves in the United States—is

not enough to overcome the country's gas problems, it could ease some projected shortages.

At an estimated cost of from \$10-to-20 billion, a Prudhoe Bay gas transportation system will be even more expensive than the Alaska oil pipeline-tanker system. But even at the current highest interstate price of about \$1.50 per cubic foot, the gas is worth about \$40 billion.

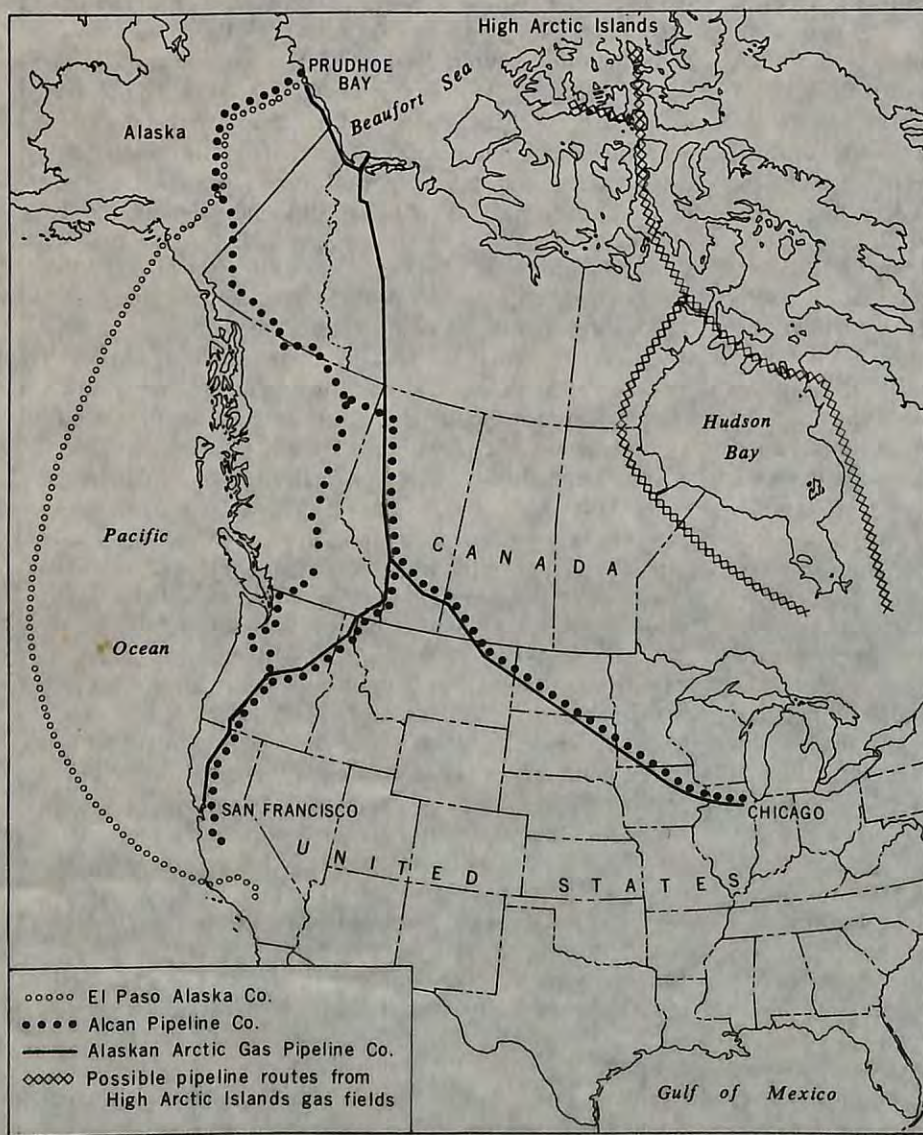
A congressional battle somewhat reminiscent of the trans-Alaska (oil) pipeline debate of 1973 is shaping up over gas transportation routes and technology. But this time there is an important difference—instead of playing a peripheral role in the process, Canada will have a major, if not deciding, role in choosing the route. And the route could be the single most important factor in delivery time and cost of the gas.

Three companies are competing for the right to build a gas delivery system:

► Arctic Gas, a consortium of 16 U.S. and Canadian gas and oil companies, wants to build a pipeline east from Prudhoe across the Arctic National Wildlife Range to Canadian gas fields in the Mackenzie delta, then south through the Mackenzie valley to southern Canada and the United States (see map). Arctic says that by combining U.S. and Canadian gas in one pipeline, consumers in both countries can share costs and keep prices down.

► Alcan Pipeline Co., a subsidiary of Northwest Energy, has proposed a line parallel to the trans-Alaska pipeline south of Fairbanks, Alaska, where it would turn east and follow the route of the Alcan Highway through Alaska and Canada. Supporters, including the conservation community, say this route would deliver the gas to the Midwest, where it is needed, without violating the Arctic Wildlife Range, the only stretch of Arctic coast in the United States not yet committed to hydrocarbon development.

► El Paso Natural Gas wants to build a trans-Alaska gas pipeline to Prince William Sound, where the gas would be liquefied and shipped aboard cryogenic tankers to California. This plan avoids Canada, is supported by the state of



Map by Eleanor Warner

DR. ALFRED TRAVERSE
529 Deike Building
Pennsylvania State University
University Park, Pa. 16802

28 September, 1970

Dr. Harry C. Kent
Colorado School of Mines
Golden, Colorado 80401

Dear Harry:

As you probably have heard, we have been caught in the lack of cash that Louis Cima apparently has available for distribution. The Palynological Data Project here at Penn State will have to be cut back to a skeleton operation with an abstractor or two, in the hope that it can be funded later on...1971??


The job Bob Sanders has had with us is a casualty. There is no way that I can secure money to keep him on the payroll. He has therefore been given notice of termination, effective 1 December.

Bob tells me that he has been in touch with you about the possibility of his taking up a position with your group, and this letter is by way of expressing the hope that it will be possible. He has done an excellent job here, and if I can succeed in keeping it alive, I still think that we can use what he has developed to go forward in the field of data storage and processing in palynology. As you know, he has excellent competence in many areas of geology, and I can say from personal experience that he is in the top flight when it comes to Paleozoic palynology.

Call me if you need more information.

Best wishes.

Yours very truly,


Alfred Traverse

March 20, 1968

Dr. Harry C. Kent
Department of Geology
Colorado School of Mines
Golden, Colorado 80401

Dear Harry:

Your letter to the members of the Micropaleontology Information Committee of 18 January has just bobbed to the surface of my correspondence file, largely because the current term has come to an end and everybody is madly trying to clear his desk in preparation for the new term--they follow one another like leap-frog.

As I recently wrote Harry Cousminer, I still feel pretty much on the outside of this thing, but I am beginning to feel more in touch through reading all of the various letters and pronouncements.

Regarding the bibliographic accession numbers, it is evident to me that we will have to go our own way unless you all are able to convince G.S.A./A.G.I. etc., to assign blocks of numbers. Even if they did, I am not sure that going our own way might not still be the best deal. I should think the same would be true of format of citation. I shall certainly look forward with interest to hearing what you have decided to do, because the important thing is that when we get around to working up the palynological literature, we are able to adopt the format you all decide upon. I presume we will be assigned blocks of numbers by someone who coordinates the thing.

Best wishes as ever.

Yours very truly,

Alfred Traverse
Associate Professor of Geology

AT:kwc

December 5, 1967

Dr. Harry C. Kent
Department of Geology
Colorado School of Mines
Golden, Colorado

Dear Harry:

We received today a copy of Harry Cousminer's summary of the meeting held the evening of 21 November, 1967, in New Orleans. We were interested to receive the copies of the declaration of intent, and we enclose herewith a copy of our similar declaration. It will be noted that we introduced only one change from the format of the other declarations--that we promise to proceed with this plan only if financing is forthcoming. Our present staff and facilities cannot be diverted from present tasks to an extent that would make an appreciable dent in the information-retrieval task that lies before us.

We would also like to have it a matter of record that we disapproved of the fact that Dr. Cousminer's report treats the meeting held on the evening of 21 November, apparently in Dr. Cousminer's hotel room, as the "official" meeting in New Orleans. Dr. Cousminer announced in a letter to us dated 10 October, that the meeting was set up as follows: "The meeting will immediately follow the Wednesday morning (Nov. 22) Geoscience Information Society symposium to be held in the Gold Room Roosevelt Hotel." Because of commitments previously made, we were not able to attend the impromptu evening session. We stayed in New Orleans for Wednesday in order to be present at the session called in Dr. Cousminer's letter. It is somewhat distressing to us to find that we are not listed as official participants in the micropaleontology information systems meeting and that consequently we are not among those who "agreed to be designated a formal committee". We regard it as improper that ostensibly "formal" arrangements were made at a meeting at which we could not be present, held at other than the announced time.

It is painful to bring this matter up, but we feel that doing so has value in dramatizing the importance of conducting all the affairs of this

Dr. Harry C. Kent

- 2 -

December 5, 1967

very important undertaking in a businesslike way if the 100% cooperation that is necessary for its success is to be achieved and preserved.

Yours very truly,

Alfred Traverse
Editor
Catalog of Fossil Spores and Pollen

William Spackman
Editor
Catalog of Fossil Spores and Pollen

AT:WS:kwc

ALFRED TRAVERSE
RD 2, BOX 390
HUNTINGDON, PA 16652

2 October, 1987

Dr. Roy C. Kepferle
Eastern Kentucky University
Department of Geology
Richmond, KY 40475

Dear Roy:

The package of samples and your letter of 23 September both are in hand. I didn't mean to imply that you'd have forgotten--but thought a reminder couldn't hurt! If I give paleobotany next semester, we'll make some good use of the stuff and may actually need more!

I note that many levels are rich in Tasmanites. We could really use some of that too if you have any. If you don't, as you say, one could visit G.S.B. Church!

Yours very truly,

Alfred Traverse

AT/et



EASTERN KENTUCKY UNIVERSITY
Richmond, Kentucky 40475-0953

College of Natural and Mathematical Sciences
Department of Geology

9 Roark Building
(606) 622-1273

23 September 1987

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

Dear Al:

Indeed, it was good to be able to learn the latest of you and your family, which I shared with Rhua.

I hadn't forgotten your request, but the schedules of school are at hand daily, as you well know. Your letter served its purpose. Under separate package I'm sending samples of the Foerstia-bearing Ohio Shale; a reference pertaining to the locality is enclosed. Should you need more, the outcrop is within 15 miles of the campus, and is still accessible.

Sincerely,

A handwritten signature in blue ink, appearing to read "Roy C. Kepferle".

Roy C. Kepferle

Encl:

Stop 9. Berea section, Kentucky

At this stop we will examine the upper part of the Chattanooga Shale in the borrow pit to the south of Stuckey's parking lot. A composite section measured in a series of cuts is shown in Figure 17. *Foerstia* was found in the float along the north end of the west wall of the pit; the Three Lick Bed can be seen high on the wall near the south end of the pit. Reboard buses and cross Kentucky Route 21 to the north side behind the motel complex where details of the contact between the Chattanooga and the Boyle Dolomite may be inspected along the entrance ramp to northbound Interstate Highway I-75. Please be cautious. Here, and in the two stops following, the Boyle is well developed beneath the shale sequence and locally appears to be interbedded or gradational with the overlying Chattanooga Shale. A brecciated, mottled appearance is evident in some of these lower dolomitic beds; such a lithology is characteristic of the Duffin limestone of Foerste (1906).

These exposures offer a classic example of the source of controversy over where a formational contact should be placed. Those who favor the highest carbonate in the sequence may well place the contact several feet higher than those who wish to emphasize the lowest organic-rich shale. Others may seek out biostratigraphic evidence for a contact between rocks containing fossils of Middle Devonian age and those rocks that contain fossils of Late Devonian age. Many recognize one or more persistent unconformities that coincide with the preferred lithologic or biostratigraphic line of separation.

Fossils identified from the lower few feet of the shale sequence by J.T. Dutro, Jr., and reported by Weir (1967) include abundant linguloid brachiopods (probably *Lingulipora*), *Leiorhynchus* sp., *Emanuella?* sp., *Hypothyridina* sp., and spore-like bodies, possibly *Tasmanites*.

- 51.1 0.1 Turn west on Kentucky 21 at traffic light.
- 51.2 0.1 Turn right on entrance ramp to northbound I-75. Chattanooga-Boyle Limestone contact.
- 51.5 0.3 Merge left onto I-75.
- 53.5 2.0 Contact between Brassfield Dolomite (Silurian) and Drakes Formation (Upper Ordovician).
- 54.5 1.0 Road crosses small fault.
- 55.9 1.4 Upper Ordovician rocks. Reba Member of Ashlock Formation is overlain by Drakes Formation.
- 56.4 0.5 Ashlock Formation.
- 56.5 0.1 Underpass.
- 56.8 0.3 Overpass.
- 57.0 0.2 Lower part of Ashlock Formation exposed in next 2.5 mi.
- 57.7 0.7 Rest area.
- 58.8 1.1 Underpass.
- 60.1 1.3 Contact between Ashlock Formation and underlying Calloway Creek Limestone (Upper Ordovician).
- 62.1 2.0 Exit right to Richmond (Exit 87) and Kentucky 876.
- 62.4 0.3 Merge with Kentucky 987 to east.
- 62.9 0.5 Traffic light.
- 63.1 0.2 Traffic light; Gulf Station.
- 63.4 0.3 Traffic light. Lancaster Rd.; continue on Kentucky 876.
- 63.8 0.4 Traffic light. Continue past Hanger Field of Eastern Kentucky University, on left.
- 64.2 0.4 Upper Ordovician rocks in roadcut.

- 65.2 1.0 Traffic light; junction with U.S. 421; Continue on Kentucky 876.
- 65.9 0.7 Turn right at intersection onto Kentucky 52; Ordovician rocks exposed for next few miles.
- 68.6 2.7 Irvine Formation (Pliocene or Pleistocene).
- 69.5 0.9 Estonia, Ky.
- 70.7 1.2 Junction; roads to Speedwell and Moberly; continue on Kentucky 52.
- 71.2 0.5 Dolomite on left.
- 71.8 0.6 Milepost 19.
- 72.0 0.2 Bridge.
- 72.6 0.6 Waco. Disturbed Boyle Dolomite (Devonian) overlain by Chattanooga Shale.
- 73.8 1.2 Bybee Pottery on left.
- 74.3 0.5 Chattanooga Shale.
- 74.5 0.2 Contact between Boyle Dolomite (Devonian) and Crab Orchard Formation (Silurian); exposed sporadically next 0.3 mi.
- 75.2 0.7 Preachersville Member of Drakes Formation (Ordovician).
- 75.6 0.4 Enter Estill County.
- 76.1 0.5 Preachersville Member of Drakes Formation.
- 76.7 0.6 Brassfield Dolomite and Crab Orchard Formation in a series of roadcuts.
- 77.2 0.5 Boyle Dolomite and Chattanooga Shale on left.
- 77.5 0.3 Cuts in Chattanooga Shale; Three Lick Bed, equivalent of middle unit of Gassaway Member of Chattanooga, well exposed for next 0.2 mi.
- 77.7 0.2 Chattanooga Shale.
- 78.0 0.3 Regis, Ky.
- 79.1 1.1 **STOP 10. Good Shepherd Baptist Church section.** Park on right in front of Good Shepherd Baptist Church.

Stop 10. Good Shepherd Baptist Church section, Kentucky

= New Albany = Ohio

The Chattanooga Shale is exposed on the north side of Kentucky Route 52 between Richmond and Irvine, Kentucky, about 3.7 miles west of the junction with Kentucky Route 89 near West Irvine, opposite the Good Shepherd Baptist Church (table 1). Evident in the section (fig. 18) are the Three Lick Bed, the *Foerstia* zone (fig. 19), abundant trace fossils, soft-sediment deformation in the dolomitic beds near the base of the black-shale sequence, and the complete thickness of the Boyle Dolomite, which here is unconformable on the Crab Orchard Formation (Silurian). Abrupt thickness and facies changes in the Boyle and basal dolomitic part of the black-shale sequence may be due in part to synsedimentary tectonic movement along the east-trending faults in the vicinity and in part to paleotopography developed on Silurian rocks (Simmons, 1967). The trace fossils of the section were described by Jordan (1979, p. 205-208). The basal carbonates of the section were studied by Stephenson (1979, p. 170-173).

- 80.8 1.7 Sand Hill, Ky.
- 81.2 0.4 Fault on left shows minor displacement.
- 82.0 0.8 Junction, Kentucky 499 from right.
- 82.6 0.6 Junction, Kentucky 89 from right.
- 82.7 0.1 Bridge over Kentucky River. Irvine, KY.

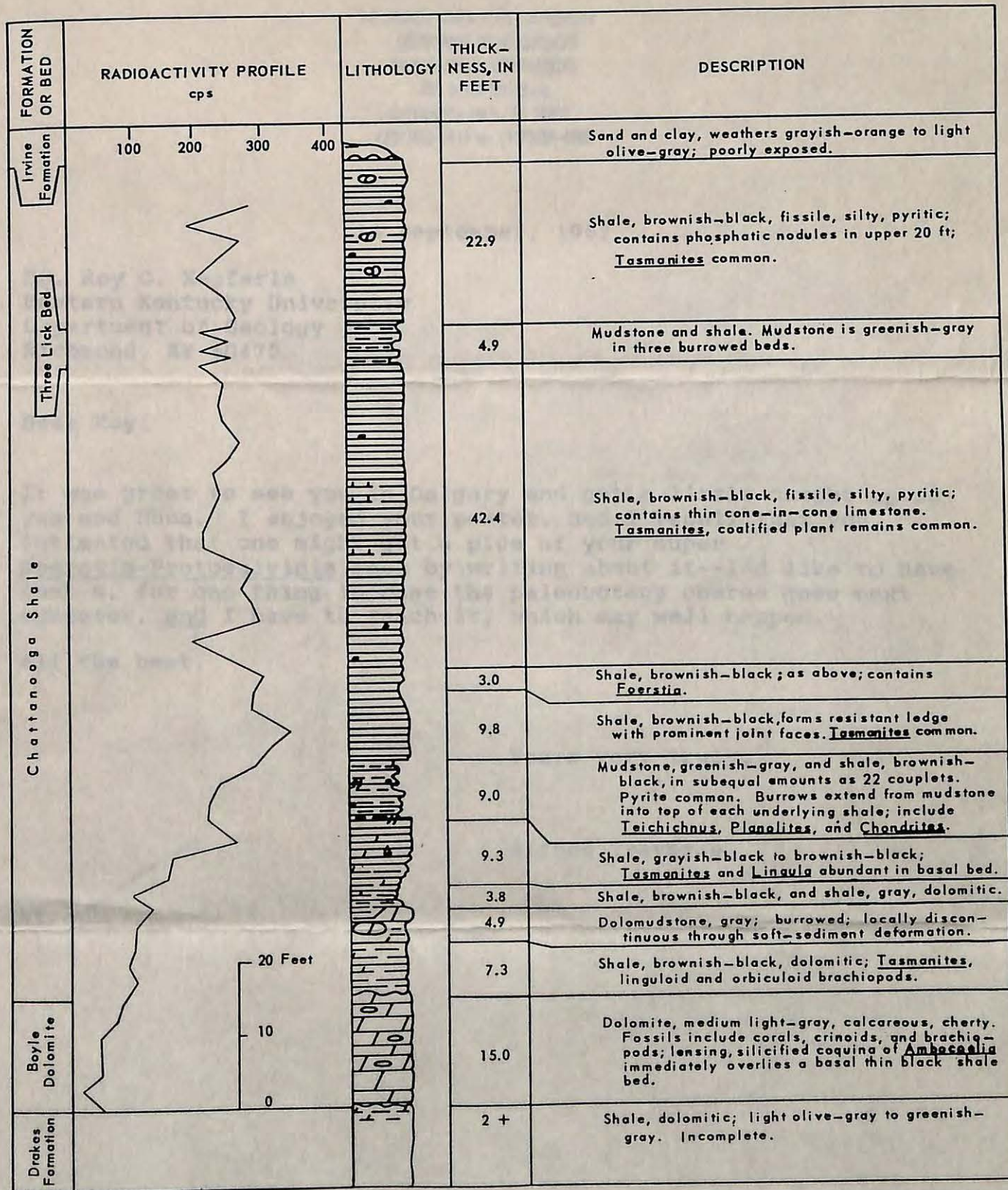


Figure 18. Good Shepherd Baptist Church section at Stop 10 between Richmond and Irvine, Kentucky.

(X)

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

15 September, 1987

Dr. Roy C. Kepferle
Eastern Kentucky University
Department of Geology
Richmond, KY 40475

Dear Roy:

It was great to see you in Calgary and get a little caught up on you and Rhua. I enjoyed your poster, and I recall that you intimated that one might get a pice of your super Foerstia-Protosalvinia rock by writing about it--I'd like to have such-a, for one thing in case the paleobotany course goes next semester, and I have to teach it, which may well happen.

All the best.

Yours very truly,

Alfred Traverse

AT/et

file as corresp.

Mr. Roy C. Kepferle
Western Fuels Trace Elements
Bldg. 25, Denver Federal Center
Denver, Colorado] 80222

Rh-a

1,2,3, 5,6,

Military Geology Branch
29th Engr. BN. (Base Topo)

~~470 500 U.S. Army Map Service,~~
~~4th St., San Francisco, California~~

U.S. Geological Survey
22 Commonwealth Ave.

Home: 915 Cogan Hills Dr.
Cincinnati, OH 45229

Fenton, KY 41018

513-242-0671

~~513-242-0671~~
~~606-314-2275~~

26, 28, 30, 31, 32, 33

September 18, 1974

Dr. Roy Kepferle
U.S. Geological Survey
22 Commonwealth Avenue
Erlanger, KY 41018

Dear Roy:

What a kick Betty and I got out of hearing from you again! It certainly would be fun to see you and Rhua. However, I must candidly say that Cincinnati is not an area I have much prospect of visiting--unless I can figure out a way of getting into some palynology down there. I always have students looking for doctoral projects, but funding is a problem, and they tend to go where the \$ are.

Thanks for the papers and maps--I respond with a few recent things. The Dev.-Miss. work is being carried on by another student (Bob Wilson) and me.

Best regards to Rhua. Do you ever get to PA?

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/vsi
Enclosure: reprints



United States Department of the Interior

GEOLOGICAL SURVEY

22 Commonwealth Ave
Erlanger, KY 41018

(513) 242 0671 (Home)
(606) 314 2275 (Off)

September 13, 1974

Dr. Alfred Traverse
Department of Geology and Geophysics
529 Deike Building
Pennsylvania State University
University Park, PA 16802

Dear Al:

In one of the literature reviews, I noticed that a couple of your recent papers deal with the palynology of Devonian and Lower Mississippian rocks in Pennsylvania. The mapping program in Kentucky has furnished me an opportunity to be concerned with this sequence here. I would welcome reprints you may have on the subject. Enclosed is an example of one of our maps and a couple of stratigraphic papers.

Rhua and I would welcome a visit, or at least a call, if your travels bring you or your family through Cincinnati. The mapping program in Kentucky should be completed by mid-1977, and I presume we will be staying here through the completion date.

Was our last meeting in Kansas City? Or have we met since then? I recall that your Pennsylvania assignment followed your ordination, did it not? My Cincinnati stint was initiated by a return to graduate school, and after receiving my degree in 1972, I have remained with the USGS (Rhua likes the area in which we now live). Of course, I have no idea where my next assignment might be. Do any of us? At any rate, we have some catching up to do.

Kind regards,

Roy Kepferle

Ecl:

April 17, 1958

Mr. Roy C. Kepferle
Military Geology Branch
29th Engr. BN. (Base Topo)
APO 500
San Francisco, California

Dear Roy:

My assistant and I are about to take off for a collecting trip to South Florida, but I must take a minute to thank you profusely for helping me get the beautiful Ikuse book. It has given me (and the other palynologists here) a great deal of pleasure. Many of the illustrations are very good, and the amount of work involved is staggering to the imagination. In spots the book is a bit amateurish, but I for one am quite willing to overlook that and say hurray that it is available.

The little alpine manual has also been fun. My assistant, who is an amateur mountaineer, says we must visit Japan to collect and "observe" the flora. He is also a great gardener, and I am suspicious that it is really dwarf trees and the like that attracts him.

Please let me know how much the books cost you so that I can reimburse you--or I can send you any item that you might desire in exchange. But please don't just write it off. I shall be expecting to hear from you on this score.

Best wishes to Rhua and the kids. On our Easter Day egg hunt we were reminded of three years ago in Denver, when you all came over and joined us. Those were grand days.

Very truly yours,


Alfred Traverse

AT:ml

Shell Development Company
Exploration and Production Research Division

March 13, 1958

Mr. Roy C. Kepferle
Military Geology Branch, 29th Engr. Bn. (BT)
A.P.O. 500
San Francisco, California

Dear Roy:

Sure was good to hear that the Kepferles are still functional. We were delighted to have the personal as well as the professional information. I am glad that you all seem to continue to be well adjusted to life in Japan. I would think that you have a pretty nice setup. Apart from desire to be "home", it would take quite a deal in this country to measure up.

The plot thickens on the Takahashi boys. I had already been in touch with one N. Takahashi, a palynologist at Shinjo North High School, as well as K. Takahashi at Kyushu, I gather the elder one who is now in Germany. The thing you saw at Takahashi's place, by the way, is the first volume of a proposed catalog of fossil spores and pollen. I have played a small part in the various negotiations that gave the catalog birth. We are currently hoping that it can be kept from being stillborn, or a victim of infant mortality.

Don't worry about the pollen book. I'll be delighted to get it when it arrives, but in the meantime I seem to be keeping busy without it.

I have been wondering if you ever met Professor Chaney of California when he was over your way last year. I haven't seen him since. He seems very well connected in Japan, partly as a result of his intimate connection with the Metasequoia story--or did it work the other way around? It was under his sponsorship that Professor Sasa of Hokkaido came over here on the trip that recently brought him to Houston.

Your old friend, Bob Dunham, who is currently sporting a monstrous moustache, was interested in the secondhand news about the Kepferles. I see him only slightly more often than I did before I came to Houston.

Best wishes as ever.

Very truly yours,


Alfred Traverse

AT:hmp

Shell Development Company
Exploration and Production Research Division

Military Geology Branch
Army Map Service, Far East
A.P.O. 500
San Francisco, Calif.
5 March 1958

Dr. Alfred Traverse
Exploration and Production Research Division
Shell Development Company
3737 Bellaire Boulevard
Houston 25, Texas

Dear Al:

Now, I am embarrassed! Checking through correspondence to be answered, I decided several times (several months ago) that NOW is the time to get a letter off...So your letter of Feb. 28 arrives today and I am really caught flat-footed. But really, we are glad to hear from you.

To catch up--your reprints arrived safely. Unfortunately, I was called away to Korea last year right after they reached me. By the time I'd gotten back to them and try to order the book you requested, Dr. Endo and I had a little misunderstanding--and he was going to get the book for you. At any rate, negotiations came to a halt until October, when I had a chance to visit Kyushu University. There I met a young palynologist named Takahashi. I talked him out of a reprint for you and gave him two of yours in return; a copy of my letter to him is enclosed. I will forward his reprint to you anon. He seemed to be a big fan of Dr. Gerhard O.W. Kremp--at least he had the monumental tome recently published by Penn State. Incidentally, I noticed your name in the acknowledgments. Takahashi's father is at present in Germany, if I understood correctly.

As I mentioned before, your letter stirred me into action, and I am again trying to get the work by Ikebe. Do not worry about price for now, when the book is located, purchased and sent I will drop you another line. As consolation I am sending along under separate cover the paper from Takahashi and an incidental you may find interesting, titled

"Illustrated Manual of Alpine Plants of Japan"
by H. Takeda, K. Tanabe, and Y. Takenaka

Dr. Takeda is a botanist who works in my unit. Remembering your interest in plants of the Black Hills, I thought you might be amused at making some comparisons. Naturally, you may be required to brush up your Nihongo if its rusty.


So far this year I've put in another two weeks in Korea. It was cold.... We thought Mary and Greg had the mumps, but after keeping Mary out of school for two weeks, the Dr. said she was likely suffering from swollen glands--akin to tonsillitis. Anne began walking last week at 14 months. Mike is out of nursery school now--he couldn't stand the pace at just 4 years of age. He's had his first real big adventure: two nights stay in the hospital on either side of an adenoidectomy. Outside of that and the Tokyo asthma, we are all in fine shape. When I first came, I thought all the talk about Tokyo asthma was just a joke, but when 5 million hibachis (charcoal stoves) light up every morning and evening, the haze created wrecks havoc with the bronchial tubes. Its practically chronic with everyone residing in the Tokyo area.

I have signed up for two more years over here. We will take about one month's "home leave" in the States in July. Most of the time will probably be spent in Montana.

If you can accept old news, we'll send along a copy of our "Christmas Letter". Though unseasonal, we want you to know you were in our thoughts and prayers. We particularly enjoy receiving word from the growing Traverse family and get much pleasure in the pictures of the children. Enclosed find snaps of our pride and joys.

Kindest regards and best wishes to you, Betty, and the whole family.

Sincerely,



Roy Kepferle

Incl:

Ltr-Takahashi 21 Nov 57

February 24, 1958

Mr. Roy C. Kepferle
Military Geology Branch, U.S.G.S.
29th Engr. Bn. (Base Topo)
APO 500
San Francisco, California

Dear Roy:

Just had a visit from Professor Sasa of Hokkaido University, who says he knows you. This reminded me that I haven't heard from you in a very long time. Hope all is well with you, Rhua and the kids. I guess we told you at least the essence of our news in our Christmas card.

I wonder if you ever got my letter of April 4, 1957? In it, I asked you if you could help me acquire a copy of:


M. Ikuse. Pollen grains of Japan. Hirohawa Publishing Company, Tokyo, 1956. 303 pp. 76 plates.

I have not seen this advertised in this country as yet. Just let me know to whom and how much money to send. (Professor Sasa asked me what I think of the book and I was embarrassed to have to say that I have never seen it!)

Another Japanese, Kenji Konishi, who is studying with Johnson at the Colorado School of Mines, visited here lately. He is working on fossil algae and will return to the Geological Institute, University of Tokyo, fairly soon.

Best wishes, and do let us hear from you.

Very truly yours,


Alfred Traverse

AT:hmp

Shell Development Company
Exploration and Production Research Division

April 4, 1957

Mr. Roy C. Kepferle
Military Geology Branch
29th Engr. BN. (Base TOPO)
APO 500
San Francisco, California

Dear Roy:

Would you be willing to order me a copy of the following book, and let me know how much money to send you to cover cost of the book and mailing of same?


Mass Ikuse. Pollen Grains of Japan. Hirohawa
Publishing Company, Tokyo. 1956. 303 pp., 76 plates

I do not want to write my Japanese correspondents about this, for fear that they would feel obliged to see that I get a free copy. I know that they can probably ill afford the postage even for the reprints they occasionally send me.

We are getting along well. Betty and the kids have had several sieges with respiratory infections, otherwise are fine. We are beginning to get unpacked from Denver now.

Best wishes to Rhua and the tribe.

Yours very truly,


Alfred Traverse

AT:rlg

Shell Development Company
Exploration and Production Research Division

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

June 11, 1954

Mr. Roy Kepferle
P. O. Box 410
School of Mines
Rapid City, South Dakota

Dear Roy:

Your very complete study of the Tschudy pollen analysis laboratory was a most welcome surprise. I had expected that you would sit in on Howell's paper and perhaps find out what he is up to and where he does his work. But this detailed explanation of Tschudy's work was totally unexpected. I hope that you found it interesting enough to repay you for a rather considerable investment of time.

This is the first I have heard of Dr. Tschudy by name, though I know that there are several such laboratories as his around the country. The volume of unpublished palynologic data in possession of those folks is very large. Several years ago I heard about a man with Creole Oil Co., in Venezuela, who returned to this country and set up a private laboratory. It may have been Dr. Tschudy.

The invitation to visit his laboratory is very intriguing, and I hope to take advantage of it some day. That will be in the rather indefinite future as things stand now. In the meantime, I'll write him.

The Kepferles seem to have had a very busy year so far - about the maximum possible activity, I would say. I think you will always be glad you made the effort and acquired that degree, and the experience of being a graduate student and doing some teaching has surely beneficially enriched your background. Your work for the summer sounds interesting, though not so directly interesting to me as the lignite phase of the same program.

Betty and the kids have been in Indianapolis for a month but are expected home soon. We all look forward, as you do, to another scientific-social reunion. Regards to all,

Very truly yours,

AT
Alfred Traverse
Coal Technologist

ATraverse:vh

cc: JDLankford

Region V

A Traverse File 625.1 C File



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
Box 410, School of Mines
Rapid City, S. Dak.

Molt, Montana
June 7, 1954

Mr. Alfred Traverse
Coal Technologist
U. S. Bureau of Mines
Box LL, University Station
Grand Forks, North Dakota

Dear Al:

Now that the hectic week of thesis presentation and graduation is past history, and Rhua has given her little talk at her Alma Mater, I shall try to give you the summary of what I learned about Howell's work on pollen analysis.

Apparently Howell is a senior in the Geology Department at the University of Colorado. His work, however, was instigated by his wife, who has done the same sort of thing for Dr. R. H. Tschudy, who has privately set up his own laboratory and residence at 1410 Kalmia, in Boulder, Colorado. So, after talking briefly with Howell, I met Dr. Tschudy and arranged to visit the laboratory. There, he gave me a little of the background of his work, as well as described the methods which he used (and still uses). As Howell followed Dr. Tschudy's methods, I didn't bother Howell any more.

It seems that Tschudy got his start with one of the major Oil companies in Venezuela. He was assigned the task of organizing a laboratory, the chief concern of which was to attempt a correlation of the Upper Cretaceous and Tertiary sediments of Venezuela on the basis of micro-flora--pollen. Before the lab had received all the equipment it had ordered, the company had decided that it would be better to contract the work to be done.....So, he resigned from the company, made arrangements to buy all of the equipment they had on hand plus what they had ordered, and offered to do the work they wanted done. He charged \$5.00 per sample, with samples coming from 10-foot intervals in the wells.....and the company has kept him busy so far.

His lab equipment includes at least 5 petrographic microscopes, 2 Leicas with attachments for taking ~~photo/micrographs~~ micro-photographs, and a room with exhaust hood for preparation of samples. He has five lab assistants, but says he has no plans for increasing his facilities nor business because it would involve major book-keeping and tax increases, which, he believes, would be too much trouble. He is interested, however, in setting up laboratories for other oil companies or interested parties, but so far has found no takers. I told him of your interest in his work, and he extended an invitation for you to visit him if you ever



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Traverse---2

get down that way. He is very congenial and did not hesitate to answer any of my questions. You would find him very willing to satisfy any queries which you may wish to direct his way.

He advocates the use of code symbols for identification of the pollen grains, as opposed to and generic or specific names. That is the system he used and its main advantage seems to be that it is easily picked up by new workers and does not have the numerous possibilities of error that may come from mis-classification under the Linnean system. The code is based on external characteristics of the pollen: SM--smooth; R--rough; SP--spiny; etc. I won't go into his system of digestion & preparation of samples.

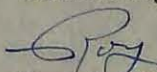
I mentioned to him your ideas about correlation of Fort Union coal beds on the basis of pollen content and he agreed enthusiastically that it was a worth-while project. I would be interested in hearing of any developments along this line.

The Kepferle's will be at home this summer (until Sept. 1) in their apartment at 611 Campus Place, Rapid City, S. Dak. My work will be around the Black Hills and will be under the Trace Elements Section of the Fuels Branch--The same outfit I worked with last summer. My headquarters will be changed from Grand Forks to Denver Federal Center sometime in September, and that is where we will be moving after the field season. So, our invitation to visit us in Rapid City is still valid. Also, if by any chance you decide to visit Tschudy's laboratory in Boulder after September, be sure to let us know, for Boulder is only about 35 minutes drive from Denver ~~xxx~~ now and we would surely enjoy seeing all of you once more; and I'm sure we will have plenty of room for all.

We packed up the kids and equipment and left Rapid City just 4 hours after graduation exercises in Rapid City. After driving straight through to Molt, Montana that night, we continued on to Bozeman the next day. There, Mary Rose and Michael were most responsive to Rhua's talk which she addressed to the Senior Women on their Women's Day. She was selected to give the address 5 years ago--hence she was known as the "Five Year Speaker". Right now we are staying at Rhua's Aunt Margaret's place in Molt. I am leaving for Denver tomorrow, for a little orientation, a field car, etc. Rhua plans on staying here until I can return to Rapid City, which will be about two weeks from now in all probability, but may be sooner.

I hope this finds the Traverse household in fine fettle. Kindest regards to all from both Rhua and I. Please remember us to the McMurtry's.

Sincerely,


Roy Kepferle

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26. Oktober 1998

Dr. Hans Kerp
Westfälische Wilhelms-Univ.
Abt. Paläobotanik
Geol.-Paläontol. Institut und Museum
Hindenburgplatz 57-59
Münster, Deutschland D-48143

Sehr geehrter Dr. Kerp,

ich hoffe, daß die APP Tagung in Berlin gut gegangen ist. Es wäre Spaß dabei gewesen zu sein.

Ich schreibe mit zwei Zielen: ich möchte betonen, dass obwohl ich jetzt von einem technischen Standpunkt im Ruhestand bin, hoffe ich noch ein Mitglied der APP zu bleiben. Wenn ich einen Geldbeitrag bezahlen sollte, muß jemand mich nur informieren.

Zweitens brauche ich für Sie eine E-mail Adresse. Sie könnten mir eine E-mail Mitteilung schicken und "zwei Vögel mit einem Stein töten."

mit besten Grüßen

Ihr

Alfred Traverse
Professor Emeritus of Palynology

To: kerp@uni-muenster.de
From: traverse@ems.psu.edu (Alfred Traverse)
Subject: Festschrift

Dear Hans:

Yes, I had heard some time ago about the Festschrift from Volker Wilde, and I said that I would produce something. I even went so far as to suggest several alternate manuscripts, but I haven't heard more. I thought that Volker's original letter indicated that would be an actual celebration too, and I indicated an interest in attending. I never heard more about it until now. The celebration could not have been on the day itself, if my records are correct--I believe FS's birthday was on 18 Jan.

So, yes, I will contribute. I am very found of Friedemann and Rose.

Best regards. Al.

Hans Karp

A formal letter is gone in the mail today.

kerp@uni-muenster.d, 07:09 PM 2/4/97 , Festschrift Schaarschmidt

1

From: kerp@uni-muenster.de
Date: Tue, 04 Feb 97 19:09:59 +0100
Subject: Festschrift Schaarschmidt
To: traverse@ems.psu.edu

Dear Al,

you probably already heard from Volker Wilde that we are planning a Festschrift for our friend and colleague Friedemann Schaarschmidt on the occasion of his 65th birthday. As I understood from Volker you are willing to contribute. We are thinking about maximum 10 printed pages (incl. max 2 plates) to be published in the Courier Forsch.-Institut Senckenberg. The Deadline for manuscripts is the end of this year. However, we would like to know before March 15th if you can contribute. We will then send you the guidelines for authors.

Sincerely yours,

Hans Kerp

A formal letter is gone in the mail today.

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

1

Received: from mail.uni-muenster.de (MAIL.UNI-MUENSTER.DE [128.176.6.47]) by pan
Received: from ASTERIX.UNI-MUENSTER.DE by uni-muenster.de (AIX 3.2/UCB 5.64/4.03
id AA62937; Wed, 17 Apr 1996 16:02:04 +0200
Received: by uni-muenster.de (AIX 3.2/UCB 5.64/4.03)
id AA115557; Wed, 17 Apr 1996 16:00:48 +0200
Date: Wed, 17 Apr 1996 16:00:47 +0200 (MES)
From: Hans Kerp <kerp@uni-muenster.de>
To: Alfred Traverse <traverse@ems.psu.edu>
Subject: Re: FS usw.
In-Reply-To: <33673.traverse@ems.psu.edu>
Message-Id: <Pine.A32.3.91.960417155903.59602A-100000@asterix.uni-muenster.de>
Mime-Version: 1.0
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Lieber Al,

ich bitte um Entschuldigung, dass ich der Name Friedemann falsch
geschrieben hatte. Fuer ein Herausgeber ist das ja keine gute Werbung!

Mit besten Gruessen,

Hans Kerp

Best regards,

Hans Kerp

Received: from mail.uni-muenster.de (MAIL.UNI-MUENSTER.DE [128.176.6.47]) by pan
Received: from ASTERIX.UNI-MUENSTER.DE by uni-muenster.de (AIX 3.2/UCB 5.64/4.03
id AA56579; Wed, 17 Apr 1996 12:34:47 +0200
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id AA44824; Wed, 17 Apr 1996 12:33:50 +0200
Date: Wed, 17 Apr 1996 12:33:49 +0200 (MES)
From: Hans Kerp <kerp@uni-muenster.de>
To: Alfred Traverse <traverse@ems.psu.edu>
Subject: Re: APP & Festschrift
In-Reply-To: <52511.traverse@ems.psu.edu>
Message-Id: <Pine.A32.3.91.960417122950.96215A-100000@asterix.uni-muenster.de>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Dear Al,

AS I do not have the financial administration of APP here, I cannot tell for how many years you actually paid. We will remind you if necessary. I promise you that you won't get dropped.

We just have started making plans for Freidemann's Festschrift and knowing that you are a close friend of him for many years, we really appreciate your willingness to contribute. The Courier can be produced rather quickly, so that I think that manuscripts should be due by the middle of next year. We then still have enough time for reviewing, editing etc.

Best regards,

Hans Kerp

Best regards,
sincerely yours,

Hans Kerp

Received: from mail.uni-muenster.de (MAIL.UNI-MUENSTER.DE [128.176.6.47]) by pan
Received: from ASTERIX.UNI-MUENSTER.DE by uni-muenster.de (AIX 3.2/UCB 5.64/4.03
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Received: by uni-muenster.de (AIX 3.2/UCB 5.64/4.03)
id AA132365; Tue, 16 Apr 1996 17:18:32 +0200
Date: Tue, 16 Apr 1996 17:18:31 +0200 (MES)
From: Hans Kerp <kerp@uni-muenster.de>
To: Alfred Traverse <traverse@ems.psu.edu>
Subject: Re: APP
In-Reply-To: <52974.traverse@ems.psu.edu>
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Dear All,

your name is still on the APP membership list. If everything has worked out well you should have received the last "Rundbrief" that was published November 1995. If not, please let me know. Unfortunately there are still some problems with payment of membership dues. Riegel still has the APP bank account, but he cannot change it until he has the approval of all founding members of the Arbeitskreis and it can only be done by a lawyer. It is simply a just little bit of German bureaucracy. I was in Goettingen last week to straighten this out and all members who have not payed yet will receive a notice. Most Germans used the possibility to pay automatically (Lastschriftzug). Don't worry as no reminders have been sent out yet.

When I was in Goettingen we discussed the Festschrift we are planning for our dear friend Freidemann Schaarschmidt. As you will know he has officially retired now and he will become 65 in January 1998. We want to present him a Festschrift. It will be published as an issue of the Courier Forschungsinstitut Senckenberg. Riegel and I have drawn up a list of potential authors which of course also includes your name. Therefore my question: would you be willing to submit a manuscript of a paper which will be maximal 10 pages in print? We haven't officially asked people yet, but I know that some are indeed willing to contribute, e.g., Henk Visscher who I saw yesterday. I just ask the people I meet or write and official letters with all further details will be sent later this spring. This volume will be edited by Volker Wilde, me, Walter Riegel and/or Harald Walther.

Best regards,
Sincerely yours,

Hans Kerp

Received: from obellw@uni-muenster.de by pangaea.ems.psu.edu
(4.1/PSU ESMTP/SMTP-3.03) id AA23890; Thu, 23 Feb 95 06:13:16 EST
Received: from ASTERIX.UNI-MÜNSTER.DE by uni-muenster.de (AIX 3.2/UCB 5.64/4.03)
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id AA285916; Thu, 23 Feb 1995 12:09:20 +0100
From: kerp@uni-muenster.de
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Date: Thu, 23 Feb 1995 12:09:20 +0100 (MET)
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Content-Length: 923

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E-Mail: traverse@ems.psu.edu

23 February 1995,

14 February, 1995

Dear Al,

Prof. Dr. Hans Kerp
Westfälische Wilhelms-Universität
Abt. Paläobotanik
am Geol.-Paläontol. Institut u. Museum
Hindenburgplatz 57
D-48143 Münster
Deutschland

Dear Hans:

Many thanks for the cuticle paper by you and Berthel. It's timely because I am teaching my paleobotany course (for the last time), and we study Karinopteris in the lab (kids make their own slides). I'm afraid I'd been interpreting the "hair bases" as stomata in the past.

All the best.

Yours very truly,

Alfred Traverse

Received: from obelix.uni-muenster.de by pangaea.ems.psu.edu
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Received: by uni-muenster.de (AIX 3.2/UCB 5.64/4.03)
id AA295916; Thu, 23 Feb 1995 12:09:20 +0100
From: kerp@uni-muenster.de
Message-Id: <9502231109.AA295916@asterix.uni-muenster.de>
Subject: reprints
To: traverse@ems.psu.edu
Date: Thu, 23 Feb 1995 12:09:20 +0100 (MEZ)
X-Mailer: ELM [version 2.4 PL23]
Mime-Version: 1.0
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Content-Transfer-Encoding: 8bit
Content-Length: 923

23 February 1995,

Dear Al,

thanks for your letter of 14 February that I received today. I am glad that you can use the Karinopteris paper in your class. I also used to do Karinopteris in my courses but I am now running out of material. We currently have a research project on Carboniferous (Westphalian D-Stephanian) pteridosperm cuticles and the first results look very promising.

I have your two books (Paleopalynology and Sedimentation of Organic Particles). I have none of your papers as reprint. However, I have a complete set of the Review of Palaeobotany and Palynology. If you wish to send reprints, which would be most welcome, you do not have to send reprints of papers published in the Review. Save them for someone else. They are expensive enough!

Have you seen Richard Tyson's recent book on palynofacies? I have spoken several people and they all prefer yours, like I do too!

Best regards,

Hans Kerp

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7 December, 1993

Prof. Dr. Hans Kerp
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Geol.-Paläontol. Inst. & Mus.
Westfälische Wilhelms-Univ. Münster
Hindenburgplatz 57-59
D-48143 Münster, Deutschland (Germany)

Dear Hans:

Thanks for your letter of 26 Nov. No problem about the proofs.

Interesting to hear about you forthcoming editorship. You are an important guy to have on one's side!

If you are keenly interested in nomenclatural matters and make that well known, I suspect you'll get put on the famous Committee! We've always sought to find new members with keen interest.

However, I am no longer, as of a couple of months, secretary thereof. You should write the new secretary, Dr. Judy Skog, Dept. of Biology, George Mason Univ., 4400 University Drive, Fairfax, VA 22030, USA.

Yours very truly,

Alfred Traverse

c:J.E. Skog

WESTFÄLISCHE WILHELMS-UNIVERSITÄT MÜNSTER

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U.S.A.

Hindenburgplatz 57-59
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Fax. (0251) 834831

26 November 1993

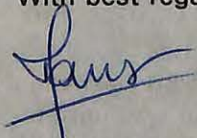
Dear Al,

Thanks for your letter of 4 November 1993, but most of all thanks for proof-reading our contribution to your book. I am very sorry that I was not able to return the proofs immediately, because I received them not earlier than two weeks after Pim Brugman got them. I assume that you received the set of proofs I corrected after you returned from Betty's mother's funeral. I hope that our proofs do not show too much discrepancies with yours.

Another point is that I will take over the editorship of the Review of Palaeobotany and Palynology. The first year (beginning in 1994) I will do it together with Wim Punt the present editor-in-chief and afterwards I will do it alone, because Wim will retire next year. The Review has always laid a strong emphasis on correct usage of the ICBN and as ^a former Utrecht student I have been drilled very thoroughly, e.g. by people like F.A. Stafleu. Of course I want to maintain the high standard of this journal and carry on in the same tradition. Therefore I would like to know whether it would be possible to be kept informed on the newest developments in the nomenclature of fossil plants. I would like to know whether non-members of the committee can receive the newsletters of the committee on fossil plants, at least as far as it does not concern confidential matters.

Once again, thanks for doing the proof-reading. I am really looking forward to your book.

With best regards,



Hans Kerp

WESTFÄLISCHE WILHELMS-UNIVERSITÄT MÜNSTER

Abteilung Paläobotanik am
Geologisch-Paläontologischen Institut und Museum

Prof. Alfred Traverse
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THE PENNSYLVANIA STATE UNIVERSITY
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Tel. (0251) 234880
Fax. (0251) 234881

15 November, 1993

FAX: 00 1 814-863-7823

November 2, 1993

Prof. Dr. Hans Kerp
Abt. Paläobotanik am
Geologisch-Pal. Inst. und Museum
Westfälische Wilhelms-Univ. Münster
Hindenburgplatz 57-59
D-48143 Münster, Deutschland

Dear Hans:

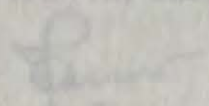
Your letter of 2 Nov. and the authors' proofs came unaccountably in an envelope postmarked 18 Oct. I have sorted through them and fired off a letter to Cambridge requesting nearly all the changes you requested that we hadn't previously noted. We had, thank God for our self-respect, caught 90% of them! A few of your changes were against CUP standards, and a couple were actually errors (e. g., "altogether" and "all together" are not the same, and the sense was correct the way it was). I was very glad you caught the "wrong font" for Van Bergen's middle initial--on every other page! And you caught some other important things that we had missed. Good work. I hope you all won't be displeased by the final product.

All the best.

Yours very truly,

Alfred Traverse

With my best regards



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Fax. (0251) 834831

FAX: 00 1 814-863-7823

November 2, 1993

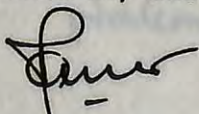
Dear Al,

It was not until last friday that I received the proofs for the paper in your book from Pim Brugman. I do not know who is to blame, but it should be noted that nowadays mail from Holland to Germany may easily take 10 days or so. The Bundespost is not so fast any more.

I have corrected the proofs and I have sent them to you by airmail this morning. I could not do it earlier, because I was on an excursion the last three days and yesterday was a christian holiday in Nordrhein-Westfalen. Although it is already too late, at least when you consider the "time plan" of CUP in their last letter, I hope that you will still be able to make the necessary changes I have indicated in the proofs.

I have only a number of minor corrections. One of the major problems seems to be that hyphens have frequently been omitted, e.g. in "land-derived". Only p. 425 needs to be redone because in the annotated list of species they frequently start on a new line where it is not necessary. For the rest it looks very nice and I am really looking forward to the whole book. Do you know whether the authors receive a copy? Furthermore I would like to ask you to send all future correspondence on our contribution directly to Pim van Bergen or me, because Pim Brugman who is now working for Shell does not have much time any more for such matters. I assume that the addresses of the contributors will be listed separately. The work was done while we were in Utrecht, but we have all moved to somewhere else. You can list the old Utrecht address, but please also give our present addresses.

With my best regards,



Hans Kerp

WESTFÄLISCHE WILHELMS-UNIVERSITÄT MÜNSTER

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GERMANY
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FAX: 00 1 814-863-7823

October 15, 1993

Dear Al,

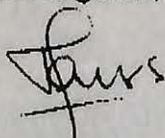
This morning I received your letter with the good news that something is moving at Cambridge University Press.

I called Pim Brugman who received the proofs this week. He does not have time to correct them. He will send them to me today and I will do the proof-reading. I assume (or better hope) that it is not too problematic as the manuscript was submitted on disc. I will send you the corrected proofs as soon as possible, though it is a tough time now, as the semester has just begun.

I also tried to reach Pim van Bergen but he seems to be in England now. I have sent him a fax, but he has not responded yet.

I hope that you can wait on the proofs,* otherwise please have a quick look at them and make corrections where you feel that it necessary.

Best regards,



Hans Kerp

* After waiting so long, a few days more shouldn't be too problematic.

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7.Sept.93

Dr. Hans Kerp und Prof. Dr. Winfried Remy
Forschungsstelle für Paläobotanik
Geologisch-Paläontologisches Institut
der Universität
Hindenburgplatz 57-59
D-48143 Münster, Deutschland

Sehr geehrte Kollegen,

die Tagung für Sept.94 geplant ist mir sehr interessant. Ich kann jedoch nicht teilnehmen, unter anderen, weil meine Vorlesungen/Praktika für die Palynologie im Herbstsemester stattfinden, und das Semester beginnt ungefähr 20 August. Mittel-September laufe ich immer 'rum, wie ein Huhn dem das Kopf fehlt. Ich wünsche Ihnen alles Gute bei der Konferenz.

mit besten Grüßen verbleibe ich

Ihr

Alfred Traverse

FORSCHUNGSSTELLE FÜR PALÄBOTANIK
AM GEOLOGISCH-PALÄONTOLOGISCHEN INSTITUT DER
WESTFÄLISCHEN WILHELMS-UNIVERSITÄT

Dr. A. Traverse
The Pennsylvania State University
Department of Geosciences
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435 Deike Building
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FAX: 001-814-863-7823

D-48143 Münster
Hindenburgplatz 57-59
Fax: (xx) 49-251-83-4831
September, 01, 1993

Dear Colleague,

1994, from September 15 - 17, a workshop on "The biology and evolutionary implications of early Devonian plants" will held in Münster/Germany at the "Forschungsstelle für Paläobotanik". This meeting is scheduled just before the 4th Paleobotanical-Palynological Conference in Heerlen, September 19 - 23, 1994. Münster is located at approximately 200 km from Heerlen.

Hereby we invite you to contribute to this theme. Please let us know whether you will participate, present a paper, or whether you are interested to act as a chairman for one of the sessions. We are currently trying to get financial support for a small group of invited speakers and chairmen. Therefore, we would like to ask you to respond as soon as possible; we need to submit our application to the German Science Foundation by the middle of September.

The Münster working group, including Tom Taylor, will present contributions to the biology of Rhynie plants and fungi. In addition to colour slides thin sections of the actual specimens will be demonstrated, showing unknown aspects of histogenesis, organogenesis and morphogenesis in *Aglaophyton major*, *Lyonophyton rhyniensis* (gametophyte of *Aglaophyton*), *Rhynia gwynne-vaughanii* and *Horneophyton lignieri* (e.g. development of primary and secondary branchings from their meristematic initials to adult organs; ontogenetical changes in apices and detached meristems; spore-germination and development of young, branched *Lyonophyton-cormi*).

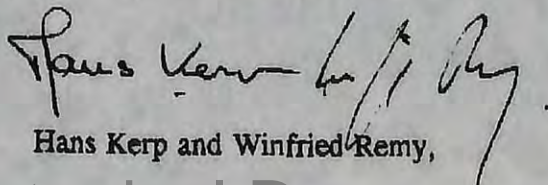
The material gives evidence for an unexpected great diversity of morphogenetical phenomena, as well as a surprisingly great complexity of the morphology and variations in each of these taxa. Thus, throwing new light on the evolutionary status and potential of Rhynie Chert plants and their adaption to the variable ecological conditions of terrestrial life.

From that level new comparisons with Early Devonian compression floras (resp. taxa) may be discussed.

Furthermore numerous new fungal taxa, including their fertile organs and parts of their life-cycles can be presented as well as new ecological and phylogenetical aspects. Detailed comparisons with extant fungal taxa are possible.

We plan to publish preliminary results and summaries before the workshop in an abstract volume which may also include topics for further discussions. This meeting should be a real workshop, i.e. a restricted number of invited contributions and enough time for demonstrations of material and discussion. Because of the time schedule, only a limited number of oral contributions can be accepted. Therefore, we suggest to submit other contributions (1 - 5 pages, with illustrations) to this theme for the abstract volume. Results of this workshop will be published in English after the workshop.

With best regards,



Hans Kerp and Winfried Remy,

WESTFÄLISCHE WILHELMS-UNIVERSITÄT MÜNSTER

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13 August, 1993

Dear Al,

Today I received your letter of 4 August regarding the delay in publication of the Sedimentation of Organic Particles book. It is a pity that it again takes a number of months more. Especially because you spent so much time on it. I easily understand you must feel extremely disappointed about Cambridge University Press.

When I asked you for the date of publication the last time I wrote you, I didn't mean to blame you. I highly appreciate the work you have been doing by editing of a book that will hopefully be received as a good and welcome overview of this field of palynology.

In March 1993 I got a catalogue of CUP with an announcement of the book with the remark that it would be published in November. Let's hope that we have it by March 1994.

With best wishes,
Yours sincerely



Hans Kerp

WESTFÄLISCHE WILHELMS-UNIVERSITÄT MÜNSTER

Abteilung Paläobotanik am
Geologisch-Paläontologischen Institut und Museum

Prof. Dr. Alfred Traverse
The Pennsylvania State University
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435 Deike Building
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U.S.A.

Hindenburgplatz 57-59
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GERMANY
Tel. (0251) 833966
Fax. (0251) 834831

17 May, 1993

Dear Al,

Thanks for sending me the report of the Committee for Fossil Plants. I am glad to see that the Committee followed my recommendation and voted unanimously in favour of the proposal to conserve *Lycopodites* Lindley et Hutton against *Lycopodites* Brongniart. Coming from Utrecht, from an institute which was strongly affiliated with the Department of Systematic Botany where Frans Stafleu held a chair, I have been thoroughly indoctrinated with the ICBN and I must say that I liked it.

Is there any news about the publication of your book? I recently saw an announcement in a catalogue of a Dutch antiquarian (sic!) bookseller. It was mentioned that it would be published later this year.

With best regards,

Yours sincerely,



Hans Kerp

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

28 April, 1993

Dr. Hans Kerp
Westfälische Wilhelms-Univ.
Abt. Paläobotanik
Geol.-Paläont. Inst. und Museum
Hindenburgplatz 57-59
4400 Münster, Deutschland

Dear Hans:

Enclosed is a copy of the final, complete report of the Committee for Fossil Plants, so that you can see what happened to your very useful report. A considerably abbreviated version of the report will be published in Taxon. The complete version was circulated to the members of the committee, and other interested people, about 20 in all.

Thanks again, and all the best.

Yours very truly,

Alfred Traverse

encl.: report

Address list of home

WESTFÄLISCHE WILHELMS-UNIVERSITÄT MÜNSTER

Abteilung Paläobotanik
am Geologisch-Paläontologischen Institut und Museum

Prof. Dr. Alfred Traverse
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30.3.92

Dear Al,

Many thanks for your progress report on *Sedimentation of Organic Particles*. I readily accept that editing such a book must have been a tremendous job. Congratulation with finishing this project successfully. Did Cambridge University Press accept a full cover frontispice?

I had hoped to find you and Friedemann Schaarschmidt at Senckenberg when we were there about two weeks ago. I guess I will have to come another time and this time I will let you know in advance.

Last week I had a palaeobotany student from Saxony (Sachsen) here who brought some material of *Lycopodites* to work on. Then I had to go over all the literature again. This once again convinced me of the necessity of the conservation of *Lycopodites* Lindley et Hutton. I hope that the proposal will be accepted.

Sincerely yours,



Hans Kerp

WESTFÄLISCHE WILHELMS-UNIVERSITÄT MÜNSTER

Abteilung Paläobotanik
am Geologisch-Paläontologischen Institut und Museum

Dr. A. Traverse
Beethovenstraße 36, Nr. 25
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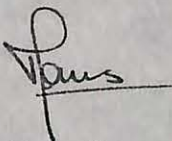
February 4, 1992

Dear colleague,

Thank you very much for your letter of January 28, 1991. I had understood that you were planning to come to Germany and it is good to see that you are in Frankfurt now. I hope that you will be able to come up to Münster some day. Prof. Remy and I would be very pleased to have you here for a few days. You can be sure that we will have a few bottles of Franconian wine (= Frankenwein)!

I am very pleased that Chaloner and you have followed Schaarschmidt's suggestion to ask me as a reviewer for the proposal to conserve *Lycopodites* Lindley et Hutton against *Lycopodites* Brongniart. I know that many colleagues do not care too much about nomenclature, but I am happy to have been educated in Utrecht where nomenclature was always an important issue. The proposal really makes sense. I will send you my opinion on this proposal within a few days.

Yours sincerely,



Hans Kerp

Prof. Dr. Alfred Traverse
Department of Geosciences
Palynological Laboratories
435 Deike Building
University Park, PA 16802
Fax: 814-863-7823

Hans Kerp
Abteilung Paläobotanik
in Geologisch-Paläontologisches Institut und Museum
Westfälische Wilhelms-Universität
Hindenburgplatz 57-59
D-4400 Münster
Germany
Tel: 0551-833950
Fax: 0551-834531

Utrecht, November 8, 1991

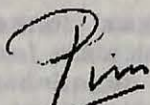
Dear Alfred,

We heard from Henk van Amerom, the Editor of the "Mededelingen Rijks Geologische Dienst" that he has sent you a fax regarding the copyrights of the colour photographs you want to use for the frontispice. We assume that everything will be OK now.

We are really looking forward to the book. Are you able to distribute free copies among the contributors or among the first authors only? Will reprints be supplied? Could you send us a message when the book is published, if no copies will be distributed and the book will be supplied to the first author only.

We hope to see you next year in Europe, and please don't forget to visit Münster.

With our best regards,


Pim van Bergen


Hans Kerp

To: Prof. Alfred Traverse
Dept. of Geosciences
Palynological Laboratories
435 Deike Building
University park, PA 16802, U.S.A.
Fax: 814-863-7823

Hans Kerp
Abteilung Paläobotanik
im Geologisch-Paläontologische Institut und Museum
Westfälische Wilhelms-Universität
Hindenburgplatz 57-59
D-4400 Münster
Germany

Tel: 0251-833966
Fax: 0251-834831

15 September, 1991

(ein Komputerausdruck
das ich nicht ändern darf)

6 October, 1991

Dear Alfred,

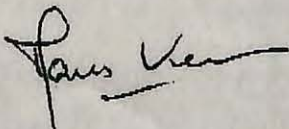
Thanks for your very nice letter in German. Although my English will surely not be perfect, I prefer to write in English. I do not have problems with speaking German but writing it correctly gives me more problems than writing in English.

I tried to contact Dr. H.W.J. van Amerom, the editor of the Mededelingen Rijks Geologische Dienst, regarding the question of the copyrights of our photos. Unfortunately, I could not reach him because he is in Argentina where he attends the Carboniferous Congress. He will be back in The Netherlands by the end of this week or early next week. I have written him a short note and asked him to sign a formal letter which states that the colour photos can without any problem be reproduced by Cambridge University Press for the cover of your book. I have asked him to fax this letter directly to you. Please let me know, if I you haven't heard from him by the end of next week.

I cannot imagine that there will be any problem. We have never signed a formal statement about the transfer of copyrights of the illustrations to the Mededelingen and/or the Geological Survey, as is usual in such cases. Neither did we receive any statement of them saying, that they own the copyrights after publication of the paper.

Success with the completion of your book, I guess you need it. See you next year in Münster. Prof. Remy, Hagen Hass, his assistant, Pim van Bergen and I are looking forward to your visit.

Sincerely yours,



Hans Kerp

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Hans Kerp
Forschungsstelle für Paläobotanik
Westfälische Wilhelms-Universität
Hindenburgplatz 57-59
D-4400 Münster
Germany
Tel. 00-49 251-812943

15 September, 1991

(ein Computermuster,
das ich nicht ändern darf)

Herrn Prof. Dr. Hans Kerp
Forschungsstelle für Paläobotanik
Westfälische Wilhelms-Universität
Hindenburgplatz 57-59
D-4400 Münster, Deutschland

1 September, 1991

Sehr geehrter, lieber Hans,

es ist mein Gebrauch, nie einen englischen Brief an einen Kollegen im deutschen Sprachraum zu schicken. Obwohl Ihr Englisch viel besser als mein Deutsch ist, muß ich stur bleiben und Sie mit meinem fremdarbeiterdeutsch plagen!

Die Farbfotos sind in gutem Zustand angekommen. I werde bald an der Arbeit sein, eine Tafel davon zu machen. Ich könnte vielleicht ein oder zwei Pollenphotos aus unserem Labor hineinfügen. Es wird klappen, und die Redakteure am Cambridge University Press wird es ohne weiteres akzeptieren.

Es bleibt nur etwas, das ich kürzlich besprechen muß. Sind Sie 100% sicher, daß ich niemand um Erlaubnis für weitere Publikation bitten sollte? Es ist sehr leicht zu erledigen, falls es hilfreich wäre. Wir sind jetzt Fachleute mit den wahnsinnigen "Permission letters"!

Es is gut zu wissen, daß Sie jetzt umgezogen sind. Es wird viel Spaß sein, Sie nächstes Jahr in Münster zu besuchen!

Mit besten Grüßen,

Ihr

Alfred Traverse

Hans Kerp
Forschungsstelle für Paläobotanik
Westfälische Wilhelms-Universität
Hindenburgplatz 57-59
D-4400 Münster
Germany
tel. 00-49 251-833933

29 August, 1991
Prof. Dr. Alfred Traverse
The Pennsylvania State University
Dept. of Geosciences - Palynological Laboratories
435 Deike Building
University Park, PA 16802
U.S.A.

1 September, 1991

Dear Alfred,

Here are the colour photographs you wanted for the cover of your book. We did not mount them on a plate because we do not exactly know how you want to have it. We hope that they acceptable.

The three plates are the originals of the plates figured in the Meded. Rijks Geol. Dienst. For magnifications refer to this publication. The plates have been reduced by the printer. However, the magnifications given in the plate captions refer to these original plates and not to the reduced plates as they have been published! Unfortunately, we never got printers proofs of this paper. This also explains the many typographical errors.

You can remove the photographs from the plates and remount them as you wish. In addition I send you a couple of other photographs. The details are listed on a separate sheet. The numbers 1 and 2 each consist of two photos of the same object(s), one in normal transmitted light and one under incident UV.

As you can see in the letterhead, I have moved to Münster. I started on September 1st. Until we move definitely, in October, I will go back to Utrecht in the weekends. We still have a house there and my wife still works there as a Quaternary palynologist.

With best regards, also from Pim

Yours sincerely

Hans Kerp

Hans Kerp
Lab. Palaeobotany and Palynology
Heidelberglaan 2
3584 CS Utrecht
The Netherlands
Fax: 01-41-20285060

THE PENNSYLVANIA STATE UNIVERSITY
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Prof. Dr. Alfred Traverse
The Pennsylvania State University
Dept. of Geosciences - Palynology
435 Deike Building
University Park, PA 16802

28 August, 1991

Dr. Hans Kerp
Lab. Palaeobotany and Palynology
Heidelberglaan 2
3584 CS Utrecht
The Netherlands

21 August 1991

Dear Hans:

Your fax of 21 Aug. arrived in good shape and timely.

Regarding the nomenclature, the only thing that matters is to use just one version of your name in the literature. Synonyms are a nuisance. I can tell many horror stories. One relates to my Harvard professor, E. S. Barghoorn. In addition to that moniker he also appears in the literature as Elso S. Barghoorn, and Elso S. Barghoorn, Jr. The latter was the really big problem. Some people thought he was himself a father and son team.

Thanks for the invite to Münster. I really hope that happens.

Enclosed is a copy of a letter to the editor at C. U. P. I haven't yet received the photos from you and Pim, but I'll get to work on the project as soon as they come in. That reminds me to inquire whether you provided exact magnification with each picture, so that I can take care of that with appropriate bars. If you didn't, and the photos are already on their way, could you fax me appropriate info?

New fax number noted. All the best.

Yours very truly,

Alfred Traverse

encl

Hans Kerp
 Lab. Palaeobotany and Palynology
 Heidelberglaan 2
 3584 CS Utrecht
 The Netherlands
 Fax: 00-31-30535096

Prof. Dr. Alfred Traverse
 The Pennsylvania State University
 Dept. of Geosciences - Palynological Laboratories
 435 Deike Building
 University Park, PA 16802
 U.S.A.

21 August, 1991

Dear Alfred,

Thank you for the fax I received yesterday. I still have an unanswered letter of 22 July. Sorry but due to my departure to Germany next month I am a little bit behind with my correspondence.

I am glad that you appreciate the cuticle paper, although it was just an obligatory thing. It was written on request, as a contribution to the workshop on fragmentary preserved plant fossils held at the 1989 IABS Congress in Toronto. It is nothing more than a compilation of the existing literature supplemented with my own experience.

Now to your question regarding the typification of a certain Mr. Kerp. J.H.F. Kerp and H. (Hans) Kerp are indeed the same. There is only a single type specimen, which is therefore the holotype. The matter of priority is, however, a little bit difficult. When I was born I received the official Christian names Johannes Henricus Franciscus, a practice which is very common in The Netherlands. However, these Christian names are never used in daily life, only in official documents (birth, marriage and death certificates, passport, drivers licence etc.). Therefore, my parents decided to call me Hans in daily usage. I personally prefer this latter name.

The papers I published as a student were intended as parts of my Ph.D. thesis. The official Ph.D. certificate is issued under the full, i.e. Christian name. Therefore I had to publish under the name J.H.F. Kerp. In other countries, like in Germany, the use of a series of initials is not done. German prefer the first name written out, which in my case would be the dreadful name Johannes. Therefore it might be better to publish as Hans Kerp. This may avoid strange and incorrect combinations as "J. Hans F. Kerp" which was introduced by a well-known and highly estimated German colleague when I submitted a paper under the name J.H.F. Kerp to the "Cour. Forsch.-Inst. Senckenberg". If you are in favour of consistency you may change my name in the CUP paper in Hans Kerp.

I agree that mixing up names and initials can be confusing, but my family name is not very common, neither in The Netherlands nor in Germany where our family seems come from. I assume that this rather boring story answers your question regarding the typification and priority of names.

It is good to hear that the name Franconia is used in US TV shows. I assume that it was public television. I really don't bother that much about Franken or Franconia, although I believe that the latter one is correct UK English usage.

To: Prof. Dr. Alfred Traverse, Dept. of Geosciences, Penn State University, University Park PA

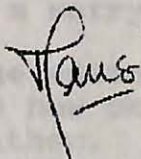
- 2 -

It is good to hear that you are coming to Germany next year. There will certainly be a change of meeting each other. I hereby invite you to visit Münster. Accommodation is no problem because we have a large house. If you want you can also meet Pim van Bergen and maybe we can make a short trip to Franken (Franconia).

I spoke to Pim about the color photos. We will send you the color plates of the Meded. Rijks Geol. Dienst paper the day after tomorrow. We will also select a few other color slides and we will send you color prints as soon as possible, so that you will be able to make a color cover for your book. I hope that everything goes well with the preparation of the book. I can easily imagine that it is an awful lot of work.

One last but very important thing. Please use our new fax number. This number is 00-31-30 535096. Fax messages sent to the old fax number do not reach us anymore!

With my best regards,



Hans Kerp

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

Faxed: 19 August, 1991

Dr. J.H.F. Kerp
Lab. Palaeobotany & Palynology
Heidelberglaan 2
3584 CS Utrecht

Dear Hans:

Your fax of 29 July came during a very frantic interval here. I'm sorry for the long silence!


The editorial matters have been taken care of. Almost everything is now ok--I'm still not 100% happy about "Franken, Bavaria," either. I saw a TV show one night recently about the barn architecture in "Franconia." Hmmm. But I still don't think our audience ever heard of "Franconia."

I faxed Pim about my enthusiasm for the color photos and outlined what I thought could be done. Now I hope I can persuade CUP to go along. It will help to have the plate actually in hand, so I'm looking forward to getting whatever you all provide!

It's interesting to hear of your going to Münster. Congratulations! I'll be at Senckenberg in Frankfurt next year, Jan.-July, so may see you? You didn't meet me at the meetings you mentioned over here, because I am too busy with the book and other projects to go to meetings. I'll never get in a mess like this again!

All the best.

Yours very truly,



Alfred Traverse

AT/et

THE PENNSYLVANIA STATE UNIVERSITY
DEPARTMENT OF GEOSCIENCES
THE PENNSYLVANIA STATE UNIVERSITY
DEPARTMENT OF GEOSCIENCES
PALYNOLOGICAL LABORATORIES
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Dr. J.H.F. Kerp
Lab. Palaeobotany & Palynology
State University
Heidelberglaan 2
3584 CS Utrecht, The Netherlands

22 July, 1991

Dear Hans:
Dr. J.H.F. Kerp
Lab. Palaeobotany & Palynology
State University
Heidelberglaan 2
3584 CS Utrecht, The Netherlands

Dear Hans:

Just read your marvellous cuticle paper and the Remia emendation. Enjoyed. Thanks!

Are "H. Kerp" and "J.H.F. Kerp" synonyms (I assume so--see above), i.e. same type species and holotype? If so, I urge that the first published name be adhered to, and the other, later, synonym suppressed [in publications]!

It was very amusing in the great cuticle paper, p. 54a, para. 3, 5 ll. up, to encounter "Franken," not Franconia!

All the best.

Yours very truly,

Alfred Traverse

AT/et

THE PENNSYLVANIA STATE UNIVERSITY
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11 July, 1991

Dr. J.H.F. Kerp
Lab. Palaeobotany & Palynology
State University
Heidelberglaan 2
3584 CS Utrecht, The Netherlands

Dear Hans:

I'm a little confused as to whom to direct this, so am sending a copy to both you and Pim II, and hope you'll share, as appropriate. This is in response to the mailing tube, the figure in an envelope and the letter of 12.6.91, all mailed to me on 14.6.91.

We're working away on your MS, and I'm sure we're zeroing in on a good product! But there are still a few problems. This will go at them page-by-page.

p. 1. There seems to be only one gremlin here, but it's a "biggy." The problem is that "vegetation" is recognized as a collective plural and just is never used in a plural form, at least not in standard (i.e., majority = American) English. It was agreed by CUP that standard American English would be used for this book. But I don't recall "vegetations" from my days as a student in England either. On the other hand, you could go with "plant associations," but that carries plant ecological baggage. I believe you're better to stick with vegetation. I'll do whatever you like, except vegetations.

p. 2. Seems to be total agreement.

p. 3. I thought the sense of the sentence was better expressed in emphasizing the classical threefold division of the Trias, whereas the word "facies" here (cf. AGI Glossary) is tricky and could be misinterpreted. If you think "subdivision" changes your meaning, can you suggest a compromise?

p. 4. No problems.

p. 5. Again, the problem is probably the UK-USA difference. "Franconia" is listed in dictionaries, but has no currency in American English. (Neither does "the Palatinate." I read about it in a British paper, and had to go to a dictionary to find out they meant Pfalz!) I am the first to admit that American students know little geography! ("Who needs it? The travel agent will find it for you.")

p. 6. No problems.

p. 7. The two new interpolations seem ok, except that I suspect that the second one, for the bottom of the page, 1. 5, should read: "...might be distinguished in various...." ("in" added).

p. 8. I'll accept "wood remains." No other problems.

p. 9-12. No problems.

p. 13. No problems. I appreciate new wording for "non-alete..."

p. 14. No problems.

p. 15. Your wording for the sentence right after paleoenvironment is fine--the original statement was confusing. On this page, two more "vegetations" turned up. The one in the first line should just be vegetation. The one 4 lines from bottom should not have "a." I can't explain, it's just idiomatic, but "vegetation" is never used with the the indefinite article, e.g., "Pennsylvania has vegetation like that of...."; never "...has a vegetation...." It can be "the vegetation of...."

p. 16. No problems, except the ones already noted.

p. 17. Ditto.

p. 18. Only the usual problems. Additional phrase to open line 5 from the bottom is good, except that "like" must be replaced with "as." ("Like" and "as" are tricky, and most Penn State students would also get that one wrong.)

p. 19-25. No problems.

p. 26. Glad you caught me having two "demonstrates" in one sentence. Whew!

p. 27-38. No special problems.

p. 39. You didn't comment on my suggestion that the caption for Table 3 should say something like "General organization of table as for Table I." I guess I'll leave that in unless you object.

Now for your "suggestions...." that haven't already been dealt with.

1. Fig. 1 mod. ok.

2. Phases, etc. All of the changes have been incorporated. It's a little on the tough-going side, but improved.

3-4. Table captions taken care of.

5. Bisaccoid--footnote added, with your permission, wording as per your note.

6. "Franconia" is not unheard of, and "Franken" is not exactly a household term either! Bavaria, of course, is not as you say German, it's English. The German name is Bayern. So "Franken, Bavaria" is a funny hybrid, but I do believe it is the best compromise solution for general understandability.

7. Sieve plates--done as you suggest.

8. S.O.M. is ok.

9. Paleoenvironment: changed per your suggestion. The original wording was very confusing. Your introductory "A" was however eliminated--not colloquial English.

10. Illustrations: Tables 1-3--very much improved! Thank you! Thank you!

11. All reference additions and corrections taken care of and good to have. Thanks for long list of journal names--CUP demands this.

Kerp, 11.VII.91

3

12. New captions for all Tables in place.

That's all for now, and thanks again for being so helpful. I'll probably be back to you later.

Best wishes.

Yours very truly,

Alfred Traverse

AT/et

—
—
—
—

**LABORATORY OF
PALAEOBOTANY &
PALYNOLOGY**

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

DATE	12.6.1991
YOUR REFERENCE	
OUR REFERENCE	
SUBJECT	

Dear editor of 'Sedimentation of Organic Particles',

here is the corrected version of our paper on the palynology of the Lettenkeuper of the Germanic Basin together with five pages of suggestions and comments. We tried to address all your critical, but very constructive remarks which were highly appreciated. We hope that this version is better than the last one.

Best regards, also from Pim & Pim,



Hans Kerp

11 August, 1981

Mr. Paul Kerslake
Botany School
Cambridge University
Downing St.
Cambridge, England CB2 3EA, U.K.

Dear Paul:

Just got back from Europe (sabbatical in Switzerland) and find your nice packet of material on "Polldata", for which I am very grateful. I have generated a mountain of data on my Black Sea cores for which I intend to have the computer-specialists here study Polldata, and recommend and design a version of it for my data. I am as innocent as a lamb in that area, but we have a great computer center--well, at least, they have all the external signs of prosperity.

Thanks again, and all the best to Drs. West, 2 x Birks and other friends at Cambridge.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

September 19th 1980

Downing School
Downing Street
Cambridge CB2 3EA.

Info in
"miscellaneous"
stack in
labelled envelope

Dear Al,

Here's the information about "polldate" - Dr
Birk's program for pollen date handling. It seems
a bit unintelligible at first but improves with use.

Sorry about the delay - I've been off scanning
the immense wilds of Scotland and its formidable
forests again. Then off to the Sussex coast where
my family has a cottage.

Hoping to come and sample the delights of your
macro-forests sometime.

With best wishes to you and your wife.

Paul.

(PAUL KERSWAKE).

14 August, 1980

Mr. Paul D. Kerslake
Botany School
Downing Street
Cambridge, England CB2 3EA

Dear Paul:

Thanks for your part in planning that great trip to the nanno-forests and potential forests of Scotland! Your company was also pleasant. Best of good wishes on your research program! Which reminds me: could you (as we discussed) send me info on the computer program you use for plotting your data, such as that you demonstrated in the field?

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

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E-Mail: traverse@ems.psu.edu

8 August, 1995

Foundation and Friends of the Royal
Botanic Gardens
Kew, Richmond, Surrey TW9 3AB
England

Dear Friends:

I would very much like to become a member of the "Friends," as I am of the Missouri Botanical Garden, Huntington Gardens, Fairchild Gardens.

Problem: I am now officially retired, though still active in my profession. I note that you have a category for "senior citizen", for which I certainly qualify as retired and 70, but for overseas Friends you seem not to have a retired category. Could you supply that want by coming up with such for me, unless you'll take me on for your 21.50 rate, despite the fact that I'm overseas? 42 seems a bit steep, but I wouldn't object to a prorated senior citizen charge, based on that basic overseas amount.

Good friends on Kew's staff, such as Marie Kurmann, Madeleine Harley and Keith Ferguson can vouch for my authenticity!

Yours very truly,

Alfred Traverse
Emeritus Professor of Palynology

Dept. of Post Graduate Studies and
Research in Geology
UNIVERSITY OF MYSORE
MANASA GANGOTRI

MYSORE-6
INDIA

MYSORE-6
3/1174

Miss Amtul Khadeer,
Department of Geology,
Manasa Gangotri,
Mysore-6,
India.

Dr TRAVERSE, A.

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

Respected Dr. Traverse,

The undersigned beg to
bring few words for your kind consideration.
I am carrying out research studies in this university
on the Precambrian formations. I have been
very much interested to study the organic
content and sedimentological aspects of these
formations. I have very limited literature regarding
Precambrian formations. I shall be very much
thankful to you, if you could kindly send
me the reprints or xerox copies of your
publications dealing with Precambrian life.
I shall also be grateful to you if you

Can send me reprints of your colleagues dealing the same.

Ref. pollen in drilling-mud "Thinners" a source of palynological contamination.

Effect of the 1959. international Botanical congress on nomenclature of fossil spores and pollen.

Sir, your publications will be of great help in my studies. I hope that you will oblige my request and encourage me to carry-out research studies.
With kind regards,

Thanking you Sir,

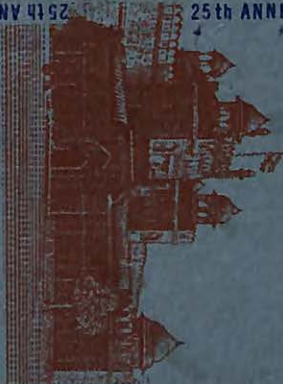
Respectfully & faithfully yours

Antul Khadeer
(ANTUL KHADEER)

पहले मोड़ FIRST FOLD

25th ANNIVERSARY OF INDEPENDENCE 1972

BY AIR MAIL
PAR AVION
डाईरै पत्र
AEROGRAMME



Dr. TRAVERSE, A.
Department of Geology and
Geophysics
Pennsylvania State University
University Park, Pa.
U. S. A.

इस पत्र के अन्दर कुछ न रखिये NO ENCLOSURES ALLOWED

दूसरा मोड़ SECOND FOLD

25th ANNIVERSARY OF INDEPENDENCE 1972

भेजने वाले का नाम और पता: SENDERS NAME AND ADDRESS:

Mrs. Antul Khadeer
Dept. of Post Graduate Studies and
Research in Geology

UNIVERSITY OF MYSORE
MANASA GANGOTRI
MYSORE 56

भारत INDIA

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

27 January, 1989

Dr. Khurshid Mustafa Khan
Professor of Botany & Dean,
Faculty of Natural Sciences
University of Sind
Jamshoro, Pakistan

Dear Khurshid:

Forgive me for using your given name, if it is inappropriate to do so. I have a feeling of friendship from Berlin and from your visit here that makes it feel right!

Thanks for your seasonal card and the good wishes for 1989, which we reciprocate.

We were wondering why you missed the Melbourne-Brisbane meetings, both of which would have interested you, of course.

Your new leader was on American TV for an hour's interview, and we were greatly impressed by her. Incidentally, I feel a bond with her, as we are both Harvard alumni. We hope she can weather the political storms successfully.

Now, as to a visit to Pakistan--that would be a marvellous experience, and I do hope it can happen some day. It is, however, for 1989 impossible. The reasons are: (1) I have already been given an (informal) leave for this semester, in order to preppare for a conference on global Xchange in Switzerland in Apr.-May, for which I am to give a "position paper." I doubt I could get a leave for fall semester too, even if I had the nerve to ask; (2) the situation with my aged (96) mother is in a state that requires me to visit her every few weeks--she is still in her own home. This can't go on forever; for example, if she were in a nursing home I wouldn't need to go out there (Michigan) so often, but at the moment I must go frequently, to patch up the nursing care at her home, etc. Perhaps I'll still be welcome in '90 or '91?

All the best to you.

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

9 March, 1988

Prof. Dr. Khurshid Mustafa Khan
Professor of Botany & Dean,
Faculty of Natural Sciences
University of Sind
Jamshoro, Pakistan

Dear. K.M.:

Thanks so much for your nice letter of 10 Feb., which just arrived (!). We greatly appreciated also your seasonal greeting.

It is interesting to hear of the research proposal, and I look forward to seeing it. Whether I could visit Pakistan for any length of time in the near future depends on whether my wife and I can get our family problems (mostly re our ancient and ailing mothers) stabilized. At the moment the situation, especially with my mother, is so difficult that even the prospect of three weeks' absence for the 7 IPC in Australia next summer is a bit worrisome. However, such problems do work out eventually.

Mr. Naseem seems from your "bio-data" to be well qualified for graduate work here. However, he will have to apply for admission and compete for a place. I am having him sent the appropriate materials. When he has applied and completed the various requirements (American TOEFL and GRE exams are the most important--they are available in Karachi, I feel sure), have him contact me again, and I'll do what I can to help him, but I really can't do much more than act as "mid-wife." It is not like a European university, where one professor can get somebody in. It's a committee action, and every candidate must compete with all others.

We hope all goes well with you and your accomplished family!

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et
cc: L. Gruhn

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

UNIVERSITY OF SIND
JAMSHORO, SIND
(PAKISTAN)

10 February, 1988

Dr. Khurshid Mustafa Khan
Dean, Faculty of Natural Sciences
University of Sind
Jamshoro, Pakistan

Dear Dr. Khan

Thanks so much for the very thoughtful New Years card (Iris & Tulipa!). Betty and I join in wishing you and your family all the best for what remains of 1988!

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et



DEAN
FACULTY OF
NATURAL SCIENCES

UNIVERSITY OF SIND
JAMSHORO, SIND
(PAKISTAN)

No. _____

Dated 10-2-88 19

Dear Prof. Dr. R. Traverse,

I hope this letter will find you and your wife in the best of health.

I am sorry that due to the semesters preoccupation I could not write you earlier.

I in collaboration with my colleagues are preparing a research proposal for a joint collaborative research programme between the University of Sindh & Pannstate as soon as it is complete^d I shall be sending it to you for your approval. In case you approve the proposal and write us a letter of your willingness & the permission of your Chairperson or Dean then We will move it to our University Grants Commission for onward transmission to the Smithsonian Institute for finances. I am also moving to the Fullright for your services for at least one semester to deliver lectures on Stratigraphic Palynology at Sind University & may be at other Universities also.

I am enclosing herewith a Bio-data of Mr. Shahid Naseem, working as lecturer at Karachi University. He is keen to do his Ph.D from your University. His father was a Professor of Analytical Chemistry in our University & has recently retired. He did his Ph.D from Pittsburg in 1960.

I shall be grateful if you can get him admitted in Ph.D or M.S as the case may be either in Minerology or any other field which you deem fit.

I am also trying to get some financial assistance for one of my colleagues to get him basic training under your supervision.

I hope you will spare some time to give an early reply.

Thanks.

Your's Sincerely,

K. M. Khan

(Prof. Dr. K. M. Khan)

Dean

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

16 November, 1987

Dr. K. M. Khan
c/o Dr. Burton O. Witthuhn
Director of Academic Affairs
Edinboro University
Edinboro, PA 16444

Dear Dr. Khan:

I remember your conversations in Berlin quite well, but I didn't remember that you planned to visit USA so soon. I hope you are having a good time.

It happens that between now and 18 December is the busiest period of the year for me--both my palynology and evolution courses are in the final crescendo phase. Further, as you've probably discovered, "Thanksgiving" is upon us, and we are having a fairly massive influx of relatives--one daughter, her baby and her soldier husband are already here, and two more groups will come soon.

What I am trying to explain is that ordinarily my wife and I would want you to stay with us, and I would like to have lots of time to visit, but that is unfortunately not possible at this time.

Nevertheless, you certainly should visit "Penn State"! Tuesday, 1 December or Tuesday, 8 December, would offer the fewest conflicts. Perhaps you should phone me (814-863-3419) to set up one of those days. You probably should come the evening before and stay overnight--I would recommend the Nittany Lion Inn on campus. I could make a reservation for you if you wish me to. (Be persistent on the phone--I am not on a switchboard, and calls are often not answered. Noon to 2 p.m. is a good time to try --or 3:30-4:30 p.m.)

Best wishes.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

Dr K. M. KHAN. (PAKISTAN)
c/o Dr. BURTON O. WITTHUHN
Director Academic Affairs
EDINBORO UNIVERSITY PA.
EDINBORO PA 16444

c/o
Dr. Burton O. Witthuhn
Director of Academic Affairs
EDINBORO UNIVERSITY PA
EDINBORO PA 16444

Dear Professor Traverse.

I hope this letter will find you in the best of your health. I hope you remembers me meeting at the Botanical Congress at Berlin.

I am on a visit-exchange programme at Edinboro University and shall be here till 18th of December.

I am very keen to visit your institution to discuss the your visit under Fulbright programme and sending some of our student for higher education in your institute.

Kindly fix some schedule so that I may take a day or two off to visit your University.

Thanks.

Yours Sincerely
Kon Khan.
Dr. K. M. Khan
of PAKISTAN.

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

24 September, 1996

Dr. A. F. Khlonova
Novosibirsk 90
Morskoi pr. 38, ul. 27
Russia 630090

Dear Dr. Khlonova:

I just got from Doug Nichols the pin for the 1971 Palynological Congress in Novosibirsk, for which my funding didn't come through until after the time I would have had to depart for the (then) USSR. Thanks--it will go with my collection of such memorabilia.

I am now officially retired, though I still work as usual and still give my course in palynology when there is demand for it (not this semester). My wife and I spent the month of May in Korea and Japan, where I gave lectures and toured the country. That is the major reason I didn't attend the sessions in Texas--needed to stay at home for a while.

It is my plan to attend the next Congress, in China, in 2000. Hope to see you there!

Enclosed are some reprints. I can't believe that I never sent you any, but your card in my "system" doesn't show any, so there may be some duplication with items you already have.

Best wishes.

Yours very truly,

Alfred Traverse

encl.:reprints

Concept

Dr. Anna F. Khlonova
Institute of Geology and Geophysics
Siberian Division of the USSR Acad.
of Sciences
Akademgorodok
63090 Novosibirsk 90, USSR

СССР.

Новосибирск 90

Всесоюзному геологическому

и географическому

Обществу СССР

А. Ф. Хлонова

20, 23, 24, 25, 26, 27,
28, 29, 34, 35, 36, 37, 38, 39
Суд. - Тел. 4-10-11

Prof. A.Traverse
The Pennsylvania State University
Palynological Laboratories
435 Deike Building
University Park, Pennsylvania 16802
U.S.A.

12 October, 1982
Novosibirsk 90

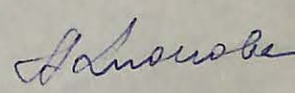
Dear Prof. Traverse,

We intend to publish next bibliographic list of Soviet palynological publications to the time of the VI International palynological conference (Calgary, 1984).

Unfortunately we have no any bibliographic lists of palynological publications between 1957 and 1976. All of palynological papers of this period up to present are listed in the Soviet Journal of References, divisions of Stratigraphy and Paleontology, and Botany.

With my kindest regards,

Sincerely yours


A. Chlonova
^

26 August, 1982

Dr. Anna F. Khlonova
Institute of Geology and Geophysics
Siberian Division, Academy of Sciences
630090 Novosibirsk 90, USSR

Dear Dr. Khlonova:

Thank you so much for the recently arrived bibliographic key to the literature of palynology, 1976-1980. I will find this very useful in combination with the two volumes I already possess edited by Professor Netshadt. The first volume covers the period from the beginning to 1957 and the other volume takes up in 1976. Are there bibliographic lists of Soviet palynological publications between 1957 and 1976? Even if it isn't possible to get one, I at least would like to know that there is such a thing and could probably see it at the Geological Survey in Washington or wherever. As you know, I can read Russian although I am not able to speak.

Best wishes to you. Thanks again and regards to Soviet colleagues whom you might see and who might remember me.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

1976

С Новым годом!
Художники В. Толкачев, Е. Барановский
Фото Е. Савалова
Редактор И. Иванов

To dr A. Traverser

My best wishes
for a merry Christmas
and a happy New Year

A.F. Khlobova
B. Khlobova



P.S. I was very pleased to meet you
this summer in Leningrad

© Издательство «Планета». Москва, 1975
23/8п-2583. Т. 250 тыс. Ц. 3 к. 3124211. Зак. 962. КПК
Пересылке по почте в открытом виде не подлежит

A.F. Kh.

THE PENNSYLVANIA STATE UNIVERSITY

DEIKE BUILDING

UNIVERSITY PARK, PENNSYLVANIA 16802

College of Earth and Mineral Sciences
Department of Geosciences
Palynological Laboratories

Area Code 814
865-6543
865-2342

February 4, 1975

Dr. A.F. Khlonova
Inst. of Geology & Geophysics
Siberian Division of the USSR Academy
of Science
Akademgorodok
630090 Novosibirsk 90, USSR

Dear Dr. Khlonova:

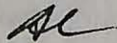
Many thanks for the seasonal greeting and for the most welcome
copy of "*Становление Меловых отложений Судана
в галчкеро-боснока*"

I have read parts of the book with great interest (my Russian
reading is getting quite good) and will use it often, I am sure.

Perhaps we will meet at International Botanical Congress in
Leningrad in July?

Best wishes.

Yours very truly,



Alfred Traverse
Professor of Palynology

AT/vsi

September 15, 1970

Dr. A.F. Chlonova
Institute of Geology & Geophysics
Siberian Division of the USSR
Academy of Sciences
Akademgorodok, Novosibirsk 90
USSR

Dear Dr. Chlonova:

I have a new version of the transliteration of your name for your collection!--Flonova. I picked this up in the course of a paper which we are processing for Volume 33 of the Catalog of Fossil Spores and Pollen. As you can see from the above, I will henceforth use the transliteration Chlonova in my correspondence with you, as a matter of courtesy. However, where the Catalog of Fossil Spores or other publications are concerned, I feel obliged to use Kh because that is the recognized transliteration into English, which is the language I use and also the language in which the Catalog of Fossil Spores and Pollen is published. We must have some convention to follow, and we are using the Library of Congress transliteration.

Actually, I am out of sympathy with the idea of transliteration at all, and I think that wherever your name appears it ought to appear in Cyrillic letters, and wherever mine appears it ought to appear in Latin letters. As far as we can figure out, the name of an author when it follows the citation of a genus and species name is not taken to be Latinized. It therefore can appear in whatever form the person who is using it chooses to employ, and is not, like it or not, a matter over which the original author has any control. As far as I can see, there is no reason why the name of a genus and species could not be given in Latin letters, as required by the International Code, and the author's name be presented in the Cyrillic alphabet. Speaking solely for myself, that is what I would like to see done, inasmuch as your name is neither Chlonova, or Khlonova, not to mention Flonova, but is Хлонова.

It has been educational to discuss this matter with you, and I think it has helped me to formulate some of my ideas about it. I appreciate your patience.

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

28 August, 1970

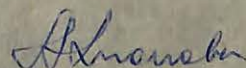
Dear dr Traverse,

I am very grieved because I see a different spelling of my surname - Chlonova, Khlonova, Jlonova. As for me I do not only prefer but also recognize as correct solely the Latin variation - Chlonova. I am grieved especially when English spelling of my name followed the Latin name genus and species of spores and pollen.

I understand your difficulty when you transliterate my name in English. But you use French, German, Spanish names without changing though their pronounce does not coincide with English. I believe it is possible to use the spelling of my name in Latin.

Next year the III Internat. Conference on Palynology will be held in Novosibirsk in our Institute. I see your proposed title of paper in list. Dr. Zaklinskaya will send you subsequent information.

Sincerely yours



A.Chlonova

July 30, 1970

Dr. A. Chlonova
Institute of Geology & Geophysics
Siberian Division of the USSR Academy of Science
Novosibirsk 90
USSR

Dear Dr. Chlonova:

Thank you for yours of 3 June, re the transliteration of your name. Of course, I will now use the style that you prefer, in correspondence. However, we have a big problem re what to do in the *Catalog of Fossil Spores and Pollen*. We have some time ago resolved to use the Library of Congress system of cyrillic transliteration (with some very slight modifications), in order to achieve some sort of uniformity in our publication. Therefore, we obviously would use "Khlonova" in the bibliographic citation of your papers in the "reference" part of our pages. On the other hand, what are we to do with your name when it follows the name of a genus and species which you authored, when the whole item appears at the top of a *Catalog* page? Should we render your name in English, or does the fact that it is coupled with a Latin genus and species constrain us to use your transliteration? If we use "Khlonova" in the reference section and "Chlonova" in the listing at the top of the page, we will confuse some people. I admit to being perplexed at the moment, but am inclined to go with "Khlonova" throughout, arguing that our publication is in English, except for the names of the taxa themselves, not regarding the names of authors as part of the names. If you have further comments, we would be glad to have them.

Haven't heard anything lately about the International Conference on Palynology, originally slated for your city next year. Is it still on? I believe I submitted an intention to attend and a proposed title, but I haven't heard anything since.

Best wishes.

Yours very truly,

Alfred Traverse
Professor of Geology and Biology

cc: H. TATE ADAMS
AT/mrw

June 4, 1970

Dr. Anna F. Khlonova
Institute of Geology & Geophysics
Siberian Division of the USSR Academy of Sciences
Akademgorodok
Novosibirsk 90, USSR

Dear Dr. Khlonova:

I am writing to inquire whether you might not still be able to get for me a copy of your 1957 paper entitled

We are very much in need of a copy of this paper for our work on the Catalog of Fossil Spores and Pollen. I would very much appreciate it if you would send me a copy or photocopy of this paper. Hoping to hear from you soon. I am

Yours very truly,

Alfred Traverse
Associate Professor of Geology
and Biology

AT:vsi

Institute of Geology and Geophysics
Siberian Division of the USSR academy of Sciences

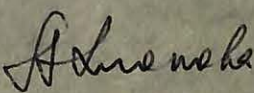
Novosibirsk 90

3 June, 1970

Dear Dr Traverse,

I had note for a long time that my surname was often transliterated in English differently in comparison with that I myself do it. I know that Russian letter "X" coincide to English ones "Kh". But as you may see I write my name in Latin rather than in English. So it is possible to keep invariable a spelling of my name in English, Spanish, German, and so on in which Latin letters are used.

Sincerely yours


A. Chlonova

Глубокоуважаемый д-р Трэверс!

Я давно заметила, что по-английски моя фамилия часто пишут не так, как делаю я сама. Я знаю, что русская буква "X" соответствует английским "Kh". Но, как Вы можете заметить, я пишу свою фамилию по-латински, а не по-английски. Это позволяет не изменять написание моей фамилии по-английски, по-испански, по-немецки и т.д., где употребляются буквы латинского алфавита.

С искренним уважением

А. Хлонова

May 7, 1970

Dr. A. F. Khlonova
Siberian Division
Institute of Geology and Geophysics
Academy of Sciences, USSR
Akademgorodok, Novosibirsk 90, USSR

Dear Dr. Khlonova:

Thank you very much for the copy of your paper "Spore-Pollen complexes of the Mesozoic of Siberia and the Far East". The paper is beautifully illustrated and is a very useful piece of information to have around for my research and teaching.

You will note that we are transliterating your name a little bit differently from the way you handled it in your rendering of the species names of which you are the author, for example on page 60. I reckon that in citing your species' names, we are bound by convention to use the transliteration which you yourself employ, although I am not really clear on that. It is conventional, however, now to render to transliterate the letter "X" into English as Kh. Some day when you feel in a light-hearted mood, perhaps I might have some comments from you on this subject. By the way, it is quite all right to write me in Russian. I can read it fairly well, but to make up my own Russian letters would be another story!

We haven't heard much lately about the international conference for 1971, and I'm getting a little worried, because really the time is quite short. I hope you all will succeed in hosting the meeting on schedule.

Best wishes to you from all of us.

Yours very truly,

Alfred Traverse
Associate Professor of
Geology and Biology

At/mrw

To dr. S. Traverse

XII-68

A. F. Chlonova

Season's Greetings

Best Wishes ^{and} for the New Year

Ахонова

A. Chlonova

P.S. Как Бауму понравился в изысканном пыльном зыбка?

1909



Sr. A. Traverse

Happy Prosperous New
Year

and
Season's best greetings
A. S. S. S.
(A. Chlonova)

GOLDFISH POISSON D'OR PEZ DORADO

To dr. Traverser

1967



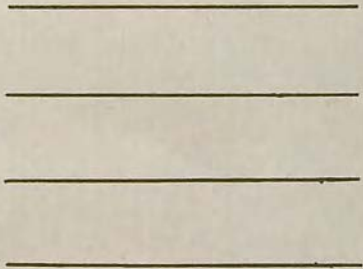
Мно благодарна
помощи к сбору
рыб!

А. Хлонора

A. Khlonora

Red Dragon-eyed Pompon
Pompons rouges aux yeux de dragon
Pompón rojo ojos de dragón

Foreign Languages Press Peking China
Editions en Langues étrangères Pékin Chine
Ediciones en Lenguas Extranjeras Pekín China



Institute of Geology and Geophysics
Siberian Division of the USSR Academy of Sciences
Novosibirsk, 90, U.S.S.R.
28 April, 1967

Dr. A. Traverse
Dept. of Geology & Geophysics
Pennsylvania State University
University Park, Pa. 16802
U.S.A.

Dear dr. Traverse,

Please accept my apologies for not having acknowledged sooner the receipt of your letter 25 Nov. 1966.

It is very pleasant for me to know that you are studying Russian. I hope you will write me the next letter in Russian. I do not study English so hard as you are studying Russian. However, I try to write letters for abroad in my bad English and we would be equal.

Sincerely yours

Anna F. Chlonova

Anna F. Chlonova

25 November, 1966

Dr. A. F. Chlonova
Novosibirsk-90
Institute of Geology and Geophysics
USSR

Dear Dr. Chlonova:

I am studying Russian very hard, and perhaps the next time I write I will risk making a fool of myself by writing you in Russian! Most of the other students in the class are less than $\frac{1}{2}$ my age, and it keeps me 'on my toes' to keep up with them.

I am very grateful for the copy of your book, and for the reprint of the 1957 article--it was startling to me to see our old friend, Aquilapollenites, so clearly portrayed therein. Albeit--under Tripoxina. It is obvious that your work with it either anticipated or paralleled Rouse's.

My very best wishes for the season to you, and may we be able to stay in contact.

Yours very truly,

Alfred Traverse

Alfred Traverse
Associate Professor of Geology

Institute of Geology and Geophysics
Siberian Division of the USSR Academy of Sciences
Novosibirsk 90, USSR

October 11, 1966

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

Dear Dr. Traverse,

It was a very great pleasure to meet you in Utrecht.
And I hope also that we shall see again the next time.

As requested by you I am sending you under separate cover
my book. When I receive your reprints I shall inform you.

My correct address as above in this my letter.

Yours sincerely,

A. Chlonova
Anna F. Chlonova

Chlonova

22 September, 1966

Dr. A. F. Chlonowa
Palynological Laboratories
Academy of Sciences
Novosibirsk, USSR

Dear Dr. Chlonowa:

It was a great joy to me to have a chance to talk with you even so briefly at lunch that day in Utrecht. I do hope that a longer visit will be possible some day!

Under separate cover I am sending to you a packet of reprints, in the hope that you will be able to reciprocate by sending me a copy of your paper:

A. F. Chlonowa (English translation) (Russian original)
Институт ботаники Академии Наук СССР
Новосибирск
Воспоминания о работе в лаборатории
Сибирского государственного университета
(1954-1961) (1961)
(Alfred Traverse) (Alfred Traverse)

Best wishes.

Yours very truly,

Alfred Traverse
Alfred Traverse
Associate Professor of Geology

4 November, 1982

Dr. Evan J. Kidson
Amoco Production Co.
Research Center, P.O. Box 591
Tulsa, OK 74102

Dear Evan:

Just discovered that my phone number is wrong in the current AASP directory--should be 863-3419. I don't know that you're the right one to alert so it'll be right in the next edition, but it's a place to start!

Best wishes.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

Received: from UTKVX1.UTK.EDU (UTKVX1.UTK.EDU [128.169.200.62]) by pangaea.ems.p
Received: from utkvx.utk.edu by utkvx.utk.edu (PMDF V5.0-4 #9964)
id <01HXDGDSMUIU8ZJZN1@utkvx.utk.edu> for Traverse@ems.PSU.edu; Tue,
07 Nov 1995 19:51:13 -0500 (EST)
Date: Tue, 07 Nov 1995 19:51:13 -0500 (EST)
From: "Vicki Martin Kier, U of T - Knoxville" <VICKIER@UTKVX.UTCC.UTK.EDU>
Subject: Paleopalynology Abroad
To: Traverse@ems.psu.edu
Message-id: <01HXDGDSN4608ZJZN1@utkvx.utk.edu>
X-VMS-To: IN%"Traverse@ems.PSU.edu"
X-VMS-Cc: VICKIER
MIME-version: 1.0
Content-transfer-encoding: 7BIT
Content-Type: TEXT/PLAIN; CHARSET=US-ASCII

Greetings from the "Volunteer State"!

I have received word from the United Kingdom that your text is for sale in Waterstone's, Cambridge, for \$27.95 pounds sterling. If you still have students in need, Waterstone's numbers are as follow: phone (0) 1223 300123 and FAX (0) 1223 301539. Keith Bennett played sleuth for me and tracked down this information for me. I have his e-mail address if you need it. He also gave me the address for Chapman & Hall in UK, but I thought that you probably already knew this.

Cordially yours,
Vicki Martin Kier

Received: from UTKVX1.UTK.EDU (SYSPMDF@UTKVX1.UTK.EDU [128.169.200.62]) by panga
Received: from utkvx.utk.edu by utkvx.utk.edu (PMDF V5.0-4 #9964)
id <01HWMMDJE5J48ZESFJ@utkvx.utk.edu> for traverse@ems.psu.edu; Thu,
19 Oct 1995 14:49:25 -0400 (EDT)
Date: Thu, 19 Oct 1995 14:49:25 -0400 (EDT)
From: "Vicki Martin Kier, U of T - Knoxville" <VICKIER@UTKVX.UTCC.UTK.EDU>
Subject: Paleopalynology
To: traverse@ems.psu.edu
Message-id: <01HWMMDJF92Q8ZESFJ@utkvx.utk.edu>
X-VMS-To: IN%"traverse@ems.psu.edu"
X-VMS-Cc: VICKIER
MIME-version: 1.0
Content-transfer-encoding: 7BIT
Content-Type: TEXT/PLAIN; CHARSET=US-ASCII

Dear Dr. Traverse,

I have been informed that your book, Paleopalynology, is no longer in print as of January of this year. I find this news most distressing, especially since I am new to the field and have been advised that possession of your book is a must. Lynn Brant was kind enough to furnish me with your e-mail address. Do you, just by chance, have an extra copy that you would consider selling to me? Thank you for your kind consideration.

Sincerely,

Vicki Martin Kier

Univ. of Tennessee - Knoxville
Dept. of Geography
e-mail: vickier@utkvx.utk.edu

19 June, 1978

Dr. James Kilburg
321 Old Engineering Hall
Earth and Planetary Sciences
University of Pittsburgh
Pittsburgh, PA 15260

Dear Kim:

Thanks for yours of 6 June with the geographic info I wanted to accession the sample for our collections. I am a tad sorry you gave me your age guess, as I would have impressed you more if I had been working in a vacuum!

Let me say right off that I am reasonably convinced the sample is Late Paleocene to Early Eocene in age. Then let me give a few caveats!

1) It is hard to do a good job with Cretaceous-Paleogene samples from the tropics because there usually aren't enough published data from nearby localities--Guatemala is a good example (I expect some of my Mexican friends could provide additional corroborative info if I could get an answer before 1983!). Also, coals are much more difficult to date than siltstones because the coal environment is atypical. I see very few species I recognize, so am going on generic complexes and general shape of the flora. Most of the abundant forms are entirely new to me.

2) Partly I am using fungal spores--if the sample was subaerially exposed for long periods, there could be a contamination problem--but not likely.

3) A couple of the species which I recognize, are pretty rare in the sample, which is always distressing.

If it were not for the fungal spores and the forms mentioned in #3, the shape of the flora alone could be interpreted as Turonian as easily as Paleocene-Eocene until the species were precisely determined.

Now, back to the main point. The species of Momipites (Engelhardtia) and of Carvapollenites present, plus some of the fungal spores, make me pretty confident of Late Paleocene to Early Eocene as the probable age.

Kilburg, pg. 2

Beautiful flora! Somebody should work it up! Best wishes.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et



University of Pittsburgh

FACULTY OF ARTS AND SCIENCES
Department of Earth and Planetary Sciences
321 Old Engineering Hall

June 6, 1978

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

Dear Dr. Traverse:

Thank you for your letter. In response to your inquires about the coaly sample I sent to you, it is from western Guatemala. The location is at a latitude of $15^{\circ}12'N$ and longitude of $91^{\circ}58'W$. I have not numbered the sample but it corresponds to sample number CT-76-99. The CT is an abbreviation for Concepcion Tutuajsa quadrangle, the quadrangle from which the sample was collected. The 76-99 is the year and ninety-ninth sample collected during that field season. I sent you the high-ash coal but in some samples I have (one in particular) there is a significant amount of vitrinite. You are more than welcome to keep any sample and all of the sample remaining from the tests you run.

Once again let me thank you for the help you are giving to me. I'm basically a hard-rock geologist trying to answer a few questions. Knowing the age of the coal will help answer those questions. By the way, I suspect the age of the coal to be late Mesozoic or early Tertiary. If you need any other information please let me know.

Very truly yours,

Jim Kilburg
Jim Kilburg

bjm

23 May, 1978

Dr. Jim Kilberg
321 Old Engineering Hall
Earth and Planetary Sciences
University of Pittsburgh
Pittsburgh, PA 15260

Dear Jim:

Thanks for yours of 4 May. The two coaly samples (I'm not convinced at this point that they are technically speaking coal)---too high ash?) look to be from the same bed, and you didn't give them different numbers, so we have ground them up together and treated them as one sample. I have also given the sample one of my sample numbers for possible future use in teaching or whatever, and would therefore appreciate it if you would send me as soon as possible precise locality description. At this point I don't even remember which country the stuff was from!

I'll be back to you with our preliminary analysis as soon as possible, probably about mid-June (everything is at sixes and sevens around here at the moment).

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et



University of Pittsburgh

FACULTY OF ARTS AND SCIENCES
Department of Earth and Planetary Sciences
321 Old Engineering Hall

May 4, 1978

Dr. Alfred Traverse
Dept. of Geology
Penn State, University Park
University Park, PA 16802

Dear Dr. Traverse:

As per our telephone conversation of April 28, 1978, I am enclosing these coal samples for you to date if possible. I appreciate your willingness to work on them for me and I look forward to hearing your results. Please let me know if there is any information that I can provide for you that would be helpful for your work with these samples.

Most gratefully,

Jim Kilberg
Jim Kilberg

bjm

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 November, 1990

Dr. Hye Sun Kim
10225 E. Girard, Apt. R-207
Denver, CO 80231

Dear Hye Sun:

No need to worry about calling me at home. I was glad to hear from you. We wish we had gotten to know you better when you were here, and we are very pleased that you are doing so well.

Enclosed is all the stuff the Icelandic lady gave me. I wanted to buy some more plain scarves, and I can't find any of them in these catalogs (except in sets with hats).

All the best to you. Please look in on us again when you're here. One of these days we won't be so preoccupied!

Yours very truly,

Alfred Traverse

AT/et
encl: Icelandic merchandise info

11/03/90

Hi, Dr. Traverse

I hope it was not rude to call you home. If it was, please be understanding because it was never intentional.

If you don't mind, I would like to look at the "catalog". (Icelandic sweaters)
My address is

HYE Sun Kim
10225 E. Girard (Apt. R207)
Denver, CO 80231

Thank you very much, and thank you for being so kind in every way.

Hye Sun.

Kim

26 June, 1985

Mr. Jung-Moo Kim
Department of Geological Sciences
Chungnam National University
Daejeon, Chungnam 300-01
Korea

Dear Mr. Kim:

Thank you for yours of 11-VI-85, expressing an interest in our paleopalynological Ph.D. program. It is good to know that you want to continue in this branch of paleontology.

Admission here is very competitive. We would especially like to know of your competence in English. I should also warn you that financial aid for foreign students has become increasingly difficult for me to arrange.

I am asking Ms. Linda Gruhn to send you the appropriate materials. You should also write directly to the Graduate School, 205 Kern Graduate Building, University Park, PA 16802.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et
cc: L. Gruhn

Jun. 11. 1985.

Dear Sir,

I am a prospective foreign applicant to your department for Ph.D. degree program.

I majored in Geology at College of Natural Science, and thereafter, majored in Paleontology at the Graduate School, Yonsei University. In Feb. 1983, I acquired M.S. degree in Paleontology, chiefly by means of conodont study. Now I am an Assistant in Instruction at College of Natural Science, Chungnam National University. I am teaching the students in Micropaleontology, Earth science and Field Geology, and studying in Palynology, especially tertiary dinoflagellates under the auspices of Prof. Hye Su Yun who is a specialist in tertiary dinoflagellates.

I would like to enter your program in Sept. 1986 and to receive the application form, the information about your admission policy & financial aid system and general information about your department from you, if it does not cause much inconvenience to you.

I have no doubt of your thoughtful consideration, and I am looking forward to your kind reply at your earliest convenience.

Thank you.

Truly yours,

Jung-Moo Kim

Jung-Moo Kim

Dept. of Geological Sciences

Chungnam National University

Daejeon, Chungnam 300-01

Korea

A Study on Stratigraphy and Paleontology of the Lower Paleozoic Sequence in the Kogilri-Daehwari Area, Pyeongchang-Gun, Kangweon-Do (Chiefly by means of conodont study)

Kim, Jung Moo
Dept. of Geology
Graduate School
Yonsei University

Abstract : The purpose of this study is to divide stratigraphical the lower Paleozoic sequences exposed in the Kogilri-Daehwari Area, Pyeongchang-Gun, Kangweon-Do and also to determine the age of the Hoedongri Formation which is conformed as the uppermost formation of the sequences in the area studied and bioprovincial affinities by means of conodont study.

In this studied area, the lower Paleozoic sequences are divided into three formations, the Jeongseon Limestone, the Haengmae Formation and the Hoedongri Formation in ascending order and they are extended from this area to the Hoedongri area, Jeongseon-Gun, showing sinclinal structure.

Eighty five samples, each weighted three or five Kilograms, were collected serially from the Hoedongri Formation in seven sections, crossing nearly perpendicular to its strike. From thirty eight of the collected samples yielded four hundred ten identifiable conodonts, which are relatively poorly preserved and mostly dark colored, and the conodont fauna is assigned to forty one form-species referable to fourteen form-genera. In consideration of the biostratigraphical correlation of the Hoedongri fauna with the established faunas, it may be concluded that the Hoedongri Formation is dated to Silurian ranging from the Neospathognathodus celloni Zone to the middle part of the Pterospathodus amorphognathoides-Spathognathodus ranuliformis Zone in North America (from the celloni Zone to the amorphognathoides Zone in the Carnic Alps of Europe).

The Hoedongri fauna does not show any similarity in bioprovincial affinities, but cosmopolitan generality. It is also suggested, on the basis of high diversity and dominance of the simple cones the fauna of the Hoedongri Formation was deposited in shallow water environment.

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

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

Date: 18 March, 1991

To: K.C. Kim

From: Alfred Traverse

Thanks for yours of 8 March. Clarifies the situation somewhat, but I am puzzled by the statement about "paleontological collections"--paleobotany and paleopalynology are a part of paleontology, and I know that the "curator" of that part of paleontology wanted in.

Best wishes.

AT/et

THE PENNSYLVANIA STATE UNIVERSITY

Inter-Office Correspondence

DATE: March 8, 1991

FROM: K. O. Kim 

TO: Professor Al Traverse

SUBJECT: Penn State Museum of Natural History & Science

Thanks for your note of March 6, 1991 concerning the content of the letter to Dr. McCarl. If you look at the letter closely, you will find something wrong with the letter. This letter should have been addressed to Dr. McCarl, not to me; "TO" and "FROM" were reversed by an error. A replacement has been sent with a note.

Good news is that C. L. Hosler is interested in promoting the building of the museum and Dick McCarl has already put the museum building in the university physical plan for the next five years. The university administration wanted to know how many and which collections are expected to be housed in the building. It has been very difficult to get a formal commitment, which should have a formal consent by the department head, from curators. The idea of the building is strongly supported but many collections such as the Frost Entomological Museum and paleontological collections do not wish to depart the collections from the department. However, the most important point is that many exhibition-based collections like Earth and Mineral Museum and Art Gallery and Anthropological Museum expressed interest to be housed in the museum building. My letter is meant to convey this situation, while encouraging the administration to proceed with the building planning for the university museum. This does not mean at this moment to exclude anyone who is interested in the building. I would expect that if the administration is serious and the building planning is imminent, we will be informed of such activity and asked to directly involve in this activity. At that time, we can add space for other collections which have not been formally committed. This is my opinion! I hope this note will clarify your questions.
Best regards.

cc: Jay R. Stauffer

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

6 March, 1991

Dr. K. C. Kim
106 Patterson, etc.

Dear K. C.:

Re the memo to you from R. L. McCarl, dated 22 Feb., 1991--to what extent is this good news? I notice that the Frost is pointedly not mentioned. Will palynology/paleobotany be "in" or not? Will we be under #3--a no-good option, in my opinion.

All the best.

Yours very truly,

Alfred Traverse

PENNSTATE

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: 12 June, 1987

From: A. Traverse

To: K. C. Kim, 106 Patterson

Re: Palynological collections, in response to your 15 May and 1 June memoranda

The abovementioned collections are mostly my own, personal collections, consisting of:

1. about 4000 species of modern embryophyte spores and pollen, with microslides and residues from which many more slides can be made.
2. about 3200 slides of residues of fossil spores and pollen, with voucher samples of the original rock, and duplicate residue material for making more slides.
3. a voucher herbarium of about 5000 sheets, covering the collections in no. 1, plus sporiferous/polleniferous material not as yet processed.
4. sets of data cards covering items 1-3.

N.B.: unless Penn State comes up with a science museum by the time of my retirement, I intend to give my collections, plus my scientific library and data-files, to Carnegie Insititute, Pittsburgh, where they are wanted and would be used.

AT/et

THE PENNSYLVANIA STATE UNIVERSITY
INTER-OFFICE CORRESPONDENCE

Date: June 1, 1987

From: K. C. Kim, UCSC

To: Members of the University Committee on Systematic Collections (UCSC)

Subj: Updating of the curatorial appointment and collection holding

I have not received your response to my letter of May 15, 1987 to update the status of the University's Systematics Collections. With regard to the holding I do not expect your assessment to be exact by any means. All I need is your estimate for this purpose. I would appreciate a reply as soon as possible.

Robert P. Brooks
Lee C. Schisler
Robert M. Crassweller
J. R. Nuss, Jr.
Roger J. Cuffey
✓ Alfred Traverse
Alan Davis
Charles P. Thornton
David E. Snell
Robert B. Eckhardt
James W. Hatch
Ronald A. Pursell (Bryological & Lichenological Herbarium)
David Pearson

KCK/sfh

THE PENNSYLVANIA STATE UNIVERSITY

INTEROFFICE CORRESPONDENCE
THE PENNSYLVANIA STATE UNIVERSITY

DEPARTMENT OF GEOSCIENCES

PALYNOLOGICAL LABORATORIES

435 Deike Building

University Park, PA 16802

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

Date: October 29, 1976

From:

K. C. Kim

To:

Dr. A. Traverse, 529 Deike Building

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: 12 March, 1987

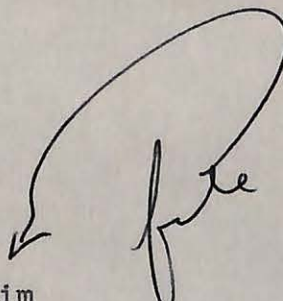
To: Stan Jones, Entomology, Paterson Building

From: Alfred Traverse

Many thanks for identifying the flat-head borers for me. These guys are a major annoyance in wood heating. The larvae's quite loud noises (loud as a creaking door) are disconcerting, and the emerged adult beetles buzz all over the house, if wood with bark is stored in the basement. What I would have assumed is the same borer occurs also many inches into some dead trees--not just under the bark.

AT/et

cc: K. C. Kim



THE PENNSYLVANIA STATE UNIVERSITY
INTER-OFFICE CORRESPONDENCE

Date: October 29, 1976
From: K. C. Kim *K.C. Kim*
To: Dr. A. Traverse, 529 Deike Building

I want to thank you for your efforts as a chairman for the University Committee on Systematics Collections. You have made a significant progress toward the development of the "Science Museum." I would appreciate it very much if you will write a letter concerning your resignation and my appointment of the chairmanship of the Committee to President of the ASC. The change of the institutional representative should be notified officially. Thanks.

February 27, 1973

Alfred Traverse

Dr. K.C. Kim
201A Patterson Bldg.

Regarding your query re possible functions of the committee on systematic collections: it would seem to me that a major function of the committee could be to work toward creation of facilities which would encourage all systematic collections at PSU-- for example, eventual founding of a Natural History Museum. Another function could be to support proposals for support of systematic collections at all levels within the university--formal status of a PSU Committee would certainly help in getting funding for any of the constituent collections. Beyond that, it seems to me that the aims already set forth by you in your earlier memos pretty much cover the subject.

29 Jan. 1973

To:
Kim, K.C.

← file

From

A. Traverse

Re: Palynological collections

Extant pollen & spores: ca. 2500 spp. (slides and bulk residues)

Fossil pollen, spores

{ other Palynomorphs: ca. 1000 spp.,

Jurassic to Recent (slides and macerates residues, most with bulk rock samples to match)

Working herbarium of pollen & spore

voucher sheets:

ca. 3000 sheets



KIM
4176 GRIZELLA ST.
PITTSBURGH PA. 15214

Sept. 22, 1974

Dear Dr. Praverse:

How are you and the other members of the Palynology Dept. doing? I often think about how rewarding and enjoyable my experiences with you have been. I just want you to know that I totally appreciate the interest and friendship you extended to me.

I have been working since July at the University of Pittsburgh Health Center, in their Hematology Research Dept. We are involved primarily in Leukemia Research. I feel as though you may know something about this since you were probably contacted as a reference. If this is the case I should again thank you for a favorable reference. (I assume it must have been favorable since I was hired) Anyway I am happy with my job. I have been learning quite a bit and I am acquiring valuable experience. I am presently taking a night course in Biochemistry so as to keep academically active. As a university employee I get a considerable reduction in tuition. This makes both school and my job even more attractive.

Well, I just wanted you to know that I haven't forgotten the kindness that you, Mrs. Praverse, and others in the Dept. extended to me. I just want to take this

opportunity to express my thanks. You have
added to my many fine memories of Penn
State.

Sincerely,

Bob Kim

File Robert Kim

April 29, 1974

a

Mr. Nick Otsell
The Milton S. Hershey Medical Center
Pennsylvania State University
Hershey, Pennsylvania 17033

Dear Mr. Otsell:

I have been asked by Mr. Robert Paul Kim, a student at this university, to write you in support of his application for a position at the Hershey Medical Center. I know Mr. Kim reasonably well from his having taken a course with me in palynology during the past fall and early winter, and his taking special projects course with me during this Spring Term. Bob is a good worker, imaginative, intelligent and easy to get along with. He did an excellent job in the introductory course in my subject and has shown ability to carry out the research work which he is doing in my laboratory for the special problems course. If I were in a position to do so, I would not hesitate to hire him as an assistant for our own laboratory, and I really think that there is every indication that he should eventually pursue graduate work in some area. In short, I am very impressed with this fellow, and hope that you will be able to employ him. I know from discussions that he is impressed with the possibility of working down in Hershey. He will be a credit to you.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/vsi

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 December, 1995

Prof. Dr. Tatsuaki Kimura
Institute of Natural History
24-14-3 Takada, Toshima-ku
Tokyo, 171 Japan

Dear Prof. Kimura:

Many thanks for the four publications just received as an early Christmas present! They are beautifully illustrated and very nicely prepared throughout. I read them with great interest, and they make a nice addition to my paleobotanical library.

I remember you most vividly from the trip to Tasmania, where I also got to know Prof. Hase of Kumamoto Univ. He and other colleagues at his university are having me visit as a guest next May, and I finally will get to experience a bit of your beautiful and interesting country.

Yours very truly,

Alfred Traverse

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

3 August, 1993

Professor Tatsuaki Kimura
Institute of Natural History
24-14-3 Takada, Toshima-ku
Tokyo, 171 Japan

Dear Professor Kimura:

Thank you so much for the most welcome batch of reprints that came recently: Brachyphyllum, Ginkgo, taxodiaceous seed covers, Cupressinocladus, Sciadopityostrobus, and the two survey papers about biogeography-phytogeography. All were read with great interest.

It has been a terrible disappointment for me not to be able to come to Japan, a country I have long looked forward to visiting, at the time of the Botanical Congress. Funding was just not available.

Best regards.

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

11 August, 1989

Prof. Dr. Tatsuaki Kimura
Institute of Natural History
High-Life Takadanobaba
24-14-3 Takada, Toshima-ku
Tokyo, 171, Japan

Dear Prof. Kimura:

It was so nice to hear from you again and particularly to get the big batch of reprints about Jurassic-Cretaceous-Triassic fossil plants. I also enjoyed reading about the Redong Islands.

All the best to you and other colleagues who may remember me.

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)865-6711

7 November, 1988

Dr. Tatsuaki Kimura
Tokyo Gakugei University
(184) 4-1-1 Nukuikita-Machi, Koganei-Shi
Tokyo, Japan

Dear Dr. Kimura:

The other day I had a rare "reading day" at home, and enjoyed going over the two nice packets of reprints you sent me a while back--about 1) Jurassic and Cretaceous plants and 2) Devonian to Paleogene plants. I have learned a good deal of interest, and I thank you, as ever, for remembering me.

In the meantime we have been together in Australia, especially in Tasmania, and it was nice to meet so many of your associates. My wife and I enjoyed them all.

All the best to you, and thanks again.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

3 October, 1986

Dr. Tatsuaki Kimura
Department of Astronomy & Earth Sciences
Tokyo Gakugei University
Koganei
Tokyo 184, Japan

Dear Prof. Kimura:

Thank you so much for the very interesting paleobotanical reprints you sent me a while back.

I hope if the 8th IPC is held in Japan in 1992, as it may, that IOP will also meet in Japan so that I'll have a reasonable excuse to visit your lovely country.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

15 September, 1982

Dr. Tatsuaki Kimura
Dept. of Astronomy & Earth Sciences
Tokyo Gakugei University
Koganei, Tokyo 184, Japan

Dear Dr. Kimura:

Thank you for the very welcome packet of reprints. One of my graduate students (from Korea) and I have both been interested in the bibliography. The Jurassic fern paper is close to the interests of another student who works on late Triassic ferns (Arizona) and especially their in situ spores. (Someone should study the spores of your ferns.) I also enjoyed the beautifully illustrated Tertiary plant paper.

Best wishes.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

3 April 1979

Dr. Abbas Kimyai
c/o Mrs. Margaret Hanley
35 Beach Street
Braintree, MA 02184

Dear Abbas:

Good to hear from you via your letter of 10 March
(certainly took a long time to get here).

It is good to know that you are safe. Naturally, we
thought of you frequently during the troubles of the last
few months and hoped and prayed that all would be well
with you and your family. There are, of course, Iranian
students here at Penn State, and we heard very distressing
stories from them.

I can certainly understand your desire to relocate under
the circumstances, at least temporarily. However, I must
confess freely that I have no idea of an academic position
which you could fill in the United States at the present
time. Several of my students (such as Dunay, Cornet, and
Nichols), all capable of being good professors, had to be
content with research positions in industry. About the
availability of such positions, I know very little. Oc-
casionally I get a telephone call asking if I have a student
available for a position that is opening up, but I haven't
had such a call for several months. I will certainly keep
you in mind, and will recommend you if anything turns up.
However, I think it is not too likely that you will find a
job as a palynologist in the very near future. One of our
American palynologists, not too much older than you, Harry
Cousminer, has given up on the idea and apparently is emi-
grating to Israel to be a palynologist there. I realize this
isn't too helpful, but it's best to have your eyes open. I
am certain you will find employment in the United States, but
I am saying that it might have to be in an area other than
academic palynology. Best wishes to you.

Yours very truly,

AT/et

Alfred Traverse
Professor of Palynology



UNIVERSITY OF TEHRAN

Faculty of Science



دانشگاه تهران

دانشکده علوم

c/o Mrs Margaret Hanley
35 Beech Street
Braintree, Mass. 02184
March 10, 1979

Dr. Alfred Traverse
Department of Geosciences
529 Deike Building
Penn. State University
University Park, Pa. 16802

Dear Dr. Traverse:

As you probably know, there is a critical situation in Iran and the future looks very uncertain. The ordinary functioning of life has become difficult for my family. The American School, which our children attend, has been closed for an unlimited period. I saw no other alternative but to send my family to the states.

I am looking for a position to teach or to do research in the states. Therefore, I am enclosing my professional resume thinking that you may be aware of a position. Any assistance you may be able to render is greatly appreciated. Thank you very much.

Sincerely yours,

Abbas Kimyai

Abbas Kimyai
Professor of Geology

PROFESSIONAL RESUME

NAME: ABBAS KIMYAI

BIRTHDAY: December 8, 1930

BIRTHPLACE: Iran; US Alien

MARITAL STATUS: Married to Virginia Miglierini Kimyai (US Citizen);
two children (Laleh 12 and Kayvan 9)

SOCIAL SECURITY NUMBER: 076-36-0030

MAILING ADDRESS: c/o Margaret Hanley
35 Beech Street
Braintree, Mass. 02184

EDUCATION:

New York University, 1960-1964, Ph.D. Palynology; with chief graduate courses in micropaleontology (18 credits), palynology & paleobotany (12 credits), and stratigraphy & sedimentation (15 credits).

Tehran Univ., Faculty of Sci., 1953-1956, BS. Geology

Tehran Univ., Teachers College, 1953-1956, BA. Teaching
Natural Sciences.

University of Puerto Rico, Summer 1971, Certificate,
Marine Biology and Tropical Ecology.

POSITIONS:

Professor of Geology, Tehran Univ., September 1964-present.

Assistant Dean, Faculty of Sci., Tehran Univ., Sept 1973-Sept 1977

Student Adviser, Faculty of Sci., Tehran Univ., Sept 1970-Sept 1973

Vice-Dean of Admission & Registration, Tehran Univ., Acad. year 1968-69

Lecturer in geology and conductor of field trips. Isfahan Univ.,
Academic year 1967-68.

Instructor in Geology, Tehran Univ., Sept. 1956-1964.

RESPONSIBILITIES:

1. AS PROFESSOR:

- a. Teaching courses in general geology, invertebrate paleontology, micropaleontology (forams), paleobotany and palynology, both graduate and undergraduate.

- b. conducting research on Devonian, Jurassic and Cretaceous palynology and supervising MS theses in the field of paleontology
- c. Consulting private and government organizations in the field of geology.

2. AS ADMINISTRATOR:

I held administrative position of Assistant Dean of the Faculty of Science, Tehran University. This position included responsibilities in the areas of finance, hiring faculty and general employees, school curriculum, participation at the University and Faculty Council meetings.

IMPORTANT PUBLICATIONS:

- New plant microfossils from the Raritan Formation (Cretaceous) in New Jersey. *Micropaleonto.* 12 (4), 16 pp. (1966)
- Jurassic plant microfossils from the Kerman region. Iranian Petroleum Institute, *Bull.*, no. 33, 21 pp. (1968)
- Plant microfossils from the Raritan Formation (Cretaceous) in Long Island. *Pollen et Spores*, 12 (2), 24 pp. (1970)
- Plant microfossils from the Paleozoic deposits (Geirud Formation) in the Central Elburz Mts., Iran. *Geoscience and Man*, 3, abstract, (1971)
- Fossil plants from the Shemshak Formation in Garmabdar. *Bull.*, Faculty of Sci., Tehran Univ., 3 (2), 19 pp. (1971)
(in Persian with English summary)
- Devonian plant microfossils from the Central Elburz, Iran. *Pollen et Spores* 14 (2), 15 pp. (1972)
- Principles in study of plant microfossils. *Mem.*, Faculty of Engineering, Tehran Univ., 24, 24 pp. (1974) (in Persian with English Summary)
- Jurassic plant microfossils from Iran. *Palaeobotanist*, special publication no. 3, 10 pp. (1974)
- Jurassic palynological assemblages from the Shahrud region. *Geoscience and Man*, 11, 5 pp. (1975)

MEMBERSHIP IN PROFESSIONAL AND SCIENTIFIC ORGANIZATIONS:

1. Correspondent to MICROPALAEONTOLOGY from Iran; Jan 1964-Jan. 1977
2. Member of the Palaeontological Association, London; 1965-present
3. Member of the Amer. Assoc. Stratigraphic Palynologists; 1968-present
4. Member of the Commission Internationale de Microflore du Paleozoique (C.I.M.P.); 1973-present
5. Honorary member of the Scientific Research Council, Ministry of Science and High Education, Iran; 1974-present

PUBLIC PRESENTATIONS:

1. presenting a paper on Devonian palynology at Amer. Assoc. Stratigraphic Palynologists Convention, Penn. State Univ., Oct. 1969
2. Presenting a paper on Jurassic palynology of the Shahrud region. Iran at Amer. Assoc. Stratigraphic Palynologists Convention, Anaheim, California, Oct. 1973
3. Presenting a paper on Jurassic palynology of Iran at International Palynological Congress, Lucknow, India, Dec. 1976
4. Presenting a paper on Devonian palynology of Iran at 2nd Geol. Symposium of Iran, Tehran, March 1977
5. Presenting a paper on palynology of the Kerman region, Iran at Amer. Assoc. Stratigraphic Palynologists Convention, Tulsa, Oklahoma Oct. 1977.

HONORS AND AWARDS:

1. Fulbright Grant, 1960-61
2. Scholarships, New York University, 1961-62 and 1962-63
3. Graduate Research Fellowship, New York Univ., 1963-64
4. National Science Foundation Grant in Science Education, Summer 1965 (OhioState University)
5. Founders Day Award, New York University, 1965
6. Iranian Petroleum Institute Award for the best article published in IPI Bull. in 1968
7. National Science Foundation Grant in Tropical Ecology and Marine Biology, Summer 1971 (Univ. Puerto Rico)
8. Research Associate in Geology, Michigan State University, 1975-76 and 1977-78

REFERENCES:

Dr. Gerhard W. O. Kremp
101 N. Avonida Carolina
Tucson, Arizona 85111

Dr. Aureal T. Cross
Department of Geology
Michigan State University
East Lansing, Michigan 48824

Dr. Leonard R. Wilson
Oklahoma Geological Survey
The University of Oklahoma
830 S. Oval
Norman, Oklahoma 73069

Dr. Calvin J. Heusser
Department of Biology
New York University,
Sterling Forest, P.O.Box 608
Tuxedo, New York 10987



UNIVERSITY OF TEHRAN

Faculty of Science

Date April 28, 1975



دانشگاه تهران

دانشکده علوم

تاریخ

Dr. Alfred Traverse
Penn. State University
University Park, Pa.

Dear Dr. Traverse:

I received a phone call from one of my former students, Victor Rahmanian, that he applied for your Graduate School to continue his study for the degree of Doctor of Philosophy in geology. He was asked a letter of recommendation from one of his former professors. It is my pleasure to introduce him as one of my best students in our Department of Geology. As a student, Mr. Rahmanian highly excelled academically and shown obvious strengths. He was the top student in his graduating class numbering forty-five. In addition, Mr. Rahmanian has always been cooperative with the faculty members and his fellow students. He is a young man of high ideals and sound integrity.

I believe he shows real promise and will be an outstanding representative not only of his country but of your school.

Yours truly,

A. Kimyal

Abbas Kimyal

Professor of Geology

July 30, 1970

Dr. Abbas Kimyai
Avenue Amir Abad Bala
Hooshmandi St. 1-20
Tehran, Iran

Dear Abbas:

How nice to hear from you again! I am very sorry to hear that you did not succeed in getting a Guggenheim Fellowship as you had hoped. I thought from what was said last year that you had a very good chance, if you were not, indeed, a "shoo-in".

At the time you originally wrote me, those of us in the paleobotanical part of the geology department here were of the opinion that it would be interesting and mutually beneficial to have you here for a year's study and cooperative work. We still feel that way. However, we do not have any way of helping to finance the project. Indeed, we are having some worries about managing to finance all of our own work, what with the economy mood of the various agencies which grant us funds!

Hoping to see you again one of these years and that you may yet get a fellowship from some source, I am

Yours very truly,

Alfred Traverse
Professor of Geology and Biology

AT/mrw

Avenue Amir Abad Bala
Hooshmandi Street 1-20
Tehran, Iran
June 19, 1970

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

Dear Dr. Traverse:

This letter is in connection with the correspondence I had with you concerning my conducting of a research project under a Guggenheim Fellowship in your department. Unfortunately I was not considered as a grantee for 1970-1971 by the Foundation. Therefore, I am not able to spend my sabbatical leave at your university. However, I would like very much to spend an academic year in your department to refresh my knowledge if financial support is provided.

In closing I would like to thank you most sincerely for all the assistance you rendered to me in this matter. Thank you again.

Yours very truly,

Abbas Kimyai

Abbas kimyai

own

November 14, 1969

Dr. Abbas Kimyai
Faculty of Science
University of Tehran
Tehran, Iran

Dear Abbas:

I have finally got the convention completely put to bed. A letter from Geoff Norris tells me that the plans for the third convention at Toronto next year are already in hand. It seems hardly possible!

I have been reading your paper "New plant microfossils from the Raritan formation (Cretaceous) in New Jersey". I am especially fascinated by your specimens of Arcellites and would be interested to hear more recent ideas that you many have about them. I suppose you have seen the recent paper of Jim Doyle about the whole coastal plain Cretaceous. This appears to be an area in which there is a great deal of work to be done. I have had a crack at some Cretaceous material in Texas and only wish that time permitted me to carry that work further.

As I told you when you were here, it is great embarrassment to me that you never got my letter of 5 September in which, after consultation with our department head and the dean of this college, extended an invitation to you to pursue the work you wanted to do in North America at this institution. I will be looking forward to hearing whether you had any luck in changing what you had felt constrained to put down about your host institution.

FLORIDA UNION SKIN
100% OF ITON

Dr. Abbas Kimyai
November 14, 1969
Page 2

You will be glad to hear that we sent Dr. Cross's overcoat safely back to him at Michigan State! You certainly needed something in the face of our unseasonable snow. Incidentally, there hasn't been a single flake of that stuff since that day on the field trip. Best wishes to you.

Yours very truly,

Alfred Traverse
Associate Professor of Geology
and Biology

AT:vsi

~~File~~
own file

not AASP
for Amir

Avenue Amir Abad Bala
Hooshmandi Street 1-20
Tehran, Iran
October 4, 1969

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

Dear Dr. Traverse:

This letter is to let you know that I am still planning to attend the annual meeting of the AASP at Pennsylvania State University on October 19.

Unfortunately I have not received any instructions from the Association outlining the program of the meeting nor any reservation forms for accommodations. I would greatly appreciate you taking the trouble of making a room accommodation for me at the Nittany Lion Inn--double room occupancy will be fine.

Thank you very much.

Looking forward to seeing you soon.

Sincerely yours,

Alhas Kinyari

September 8, 1969

Dr. Abbas Kimyai
Department of Geology
Faculty of Sciences
University of Tehran
Tehran, Iran

Dear Dr. Kimyai;

Thank you very much for your very interesting letter of 8 August. The reason for the long delay in answering your letter is that I have been at the International Botanical Congress in Seattle, only returning to the office yesterday.

We feel that your suggestion is quite in order, and we would be most happy to have you do the work which you have outlined here at our institution. I believe you will find our facilities for the most part of high caliber. We are a little short on office space, and you might find yourself a little crowded, but I am sure that we can get around that difficulty!

I presume that you still intend to come to the annual convention of the AASP here in October. We can discuss the question of your work and how you want to do it at that time. Have a good trip over.

Yours very truly,

Alfred Traverse
Associate Professor of Geology
and Biology

AT:kwc

September 5, 1969

Dr. Abbas Kimyai
Department of Geology
Faculty of Sciences
University of Tehran
Tehran, Iran

Dear Dr. Kimyai;

Thank you very much for your very interesting letter of 8 August. The reason for the long delay in answering your letter is that I have been at the International Botanical Congress in Seattle, only returning to the office yesterday.

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Yours very truly,

Alfred Traverse
Associate Professor of Geology
and Biology

AT:kwc

September 5, 1969

Dr. Abbas Kimyai
Department of Geology
Faculty of Sciences
University of Tehran
Tehran, Iran

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We feel that your suggestion is quite in order, and we would be most happy to have you do the work which you have outlined here at our institution. I believe you will find our facilities for the most part of high caliber. We are a little short on office space, and you might find yourself a little crowded, but I am sure that we can get around that difficulty!

I presume that you still intend to come to the annual convention of the AASP here in October. We can discuss the question of your work and how you want to do it at that time. Have a good trip over.

Yours very truly,

Alfred Traverse
Associate Professor of Geology
and Biology

AT:kwc

Avenue Amir Abad Bala
Hooshmandi Street 1-20
Tehran, Iran
August 8, 1969

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

Dear Dr. Traverse:

I am in the process of applying for a John Simon Guggenheim Memorial Foundation Fellowship for the academic year September, 1970-September, 1971. The application for this fellowship requires me to state my plan of research and the institution where I intend to carry out the proposed project. For a previous project and publication, I studied the palynology of the Raritan Formation in New Jersey and Long Island, and, therefore, with this fellowship would like to continue research on the Magothy Formation of the Atlantic Coastal Plain in Long Island, New Jersey, Delaware, and Maryland.

Since your institution is in proximity to the areas I wish to study and possesses excellent facilities to conduct research, I am taking the liberty of requesting from your school the use of the physical facilities such as the library, dark room, microscopes, workroom, etc. I understand fully that I would not seek any financial assistance from either your department or institution.

Enclosed is a professional resume which I hope will acquaint you with my background.

Please pardon my forwardness in seeking this request, but any assistance you may be able to extend to me would be most greatly appreciated. Since the application must be submitted prior to October 1, 1969, I would be grateful if you would please notify me of your decision at your earliest convenience. Thank you very much.

Yours very truly,



Abbas Kimyai

PROFESSIONAL RESUME

Name: ABBAS KIMYAI
Age: 38; Married
Nationality: Iranian; U.S. Alien

Education:

Faculty of Sciences, Univ. of Tehran, Iran, B. S. 1956.
Teachers Training College, Univ. of Tehran, Iran, B. A. 1956.
New York University, New York City, Ph. D., 1964.
Oklahoma Geological Survey, Norman; research in palynology
for 9 months under the direction of Dr. L. R. Wilson, 1964.
Ohio State University; special NSF summer program in Science
Education, 1965.

Employment:

Instructor of Geology, University of Tehran, Iran, 1956-1964.
Assistant professor of geology, University of Tehra, 1964-1969.
Associate professor of geology, Univ. of Tehran, Feb. 1969-pres.
Assistant Dean of Admission & Registration, Univ. of Tehran,
Feb. 1969-present.
Lecturer in micropaleontology and conductor of field trips,
University of Isfahan, Isfahan, Iran, 1967-present.

Publications:

Plant microfossils from the Raritan Formation (Cretaceous)
in New Jersey. *Micropaleontology*, vol. 12, no. 4, 1966.
Report on micropaleontological activities from Iran.
Micropaleontology, vol. 13, no. 1, 1967.
Micropaleontology (Foraminiferida); (A Persian Text)
Tehran University publication, Iran, 1968.
Jurassic plant microfossils from the Kerman region. Iranian
Petroleum Institute, Bull. no. 33, 1968.
Plant microfossils from the Raritan Formation (Cretaceous)
in Long Island. (Submitted for publication in *Pollen et Spores*).

Associations:

Correspondent to *Micropaleontology* from Iran.
Member of the Palaeontological Association, London.
Member of the American Association of Stratigraphic Palynologists.

Awards:

Fulbright Grant, 1960-1961.
Tuition Scholarship, New York University, 1961-1963.
Graduate Research Fellowship, New York University, 1963-1964.
National Science Foundation Grant in Science Education, 1965.
Founders Day Award, New York University, 1965.
Iranian Petroleum Institute Award for the best article
published in IPI Bulletin in 1968.