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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.

Date: Thu, 24 Aug 1995 16:38:49 -0500 (EST)
From: "Alfred Traverse" <traverse@ems.psu.edu>
To: grimm@museum.state.il.us
Cc:
BCc:
Subject: Tilia
X-NUPop-Charset: IBM 8-Bit

Dear Eric:

Your advice on our Tilia problems has been VERY useful, and I thank you very much. Now I must let you in on a secret--my Tilia person is my wife, Betty, who recently got her Ph. D. (in German literature). It was she who, using my name, sent you the first desperate plea for help. When I found out, we had a big argument, because I told her that you had already explained to me that Tilia is not a commercial operation, you don't have time to mess with user problems, etc., etc. I told her that if she had used her own name and thrown herself on your mercy as poor, helpless Betty T., Ph. D. (in German) she might have got somewhere, etc. In fact, you have spent quite a bit of energy trying to help us. Should we in fact have an updated version? Could we pay you for an update? Thanks again. Al.

Hunt Institute for Botanical Documentation

Received: by pangaea.ems.psu.edu
(4.1/PSU_ESSC/GEOSC-2.02) id AA11617; Thu, 3 Nov 94 10:00:50 EST
X-Nupop-Charset: English
Date: Thu, 3 Nov 1994 10:01:52 -0500 (EST)
From: "Alfred Traverse" <traverse@ems.psu.edu>
Sender: traverse@ems.psu.edu
Reply-To: traverse@ems.psu.edu
Message-Id: <36115.traverse@ems.psu.edu>
To: grimm@museum.state.il.us
Subject: tilia update

Dear Eric: When we subscribed to Tilia a while back we paid, as I recall, $250 our own pockets for the service. We were told there would eventually be an instruction manual--we got virtually none and had industrial strength problems, though we have produced, finally, very good pollen diagrams. Now you tell me that we can access an updated version from Internet and you feel no further obligation to provide us anything. I mean we get no more help t general public. Is this fair? Is there perhaps something I don't understand? Best regards. Al

Hunt Institute for Botanical Documentation

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

12 March, 1993

Dr. Eric C. Grimm
Illinois State Museum
Research and Collections Centre
1920 South 10.5 St.
Springfield, IL 62703

Dear Friend:

Probably somebody has already sent you one of these articles from CAP, but I wanted to be sure.

Is version 1.09 what we have?

How are you coming with the manual? We are such computer novices that working out the tricks has not been very successful with us, although we are getting some good use out of the program.

All the best.

Yours very truly,

Alfred Traverse

encl

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1 October, 1992

Dr. Eric C. Grimm
Illinois State Museum
Research and Collections Center
1920 South 10½ Street
Springfield, IL 62703

Dear Dr. Grimm:

Just a note to inquire whether you ever got up a revised set of user-helps, i.e. a manual, for Tilia. When we acquired a copy of the program you indicated such a thing was in the works.

Yours very truly,

Alfred Traverse

AT/et

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Herrn
Dr. Urs Groner
Ueberlandstrasse 29
8050 Zürich, Switzerland

den 1. Oktober 1987

Sehr geehrter Herr Dr. Groner'

Ihre interessante Veröffentlichung über "...umgelagerten Palynomorphen...des Schweizer Mittellandes" habe ich endlich heute mit großem Interesse gelesen. Ein gutes Beispiel von einem allgemeinen Problem. Wie Sie wissen, kann man jedoch oft dieses Problem erfolgreich überwinden. Es war gut auch in den Verdankungen von Frau Dr. Ammann, Frau Sidler (noch nicht Dr.?), Fr. Dr. Storm, und von Herrn Drs. Hochuli und Hantke zu lesen. Ich möchte sie grüßen lassen, falls Sie diese alten Kollegen (-innen) treffen.

Alles gute!

Ihr

Alfred Traverse

AT/et

Hunt Institute for Botanical Documentation

Herrn
Dr. Urs Groner
Univ. Zürich-Irchel
Geographisches Institut
Winterthurerstrasse 190
8057 Zürich, Schweiz

den 25. Juni 1985

Sehr geehrter Herr Dr. Groner!

Es gefällt mir sehr, „Dr." zu schreiben! Ich möchte mich für die Übersendung Ihrer Dissertation bedanken. Sie wurde sehr sorgfältig gelesen.

Schade, daß Sie Probleme mit den wahnsinnigen Verlag gehabt haben. Vor vielen Jahren hat ein Freund von mir in denselben Umständen seine eigene Firma gegründet, um seine Arbeit zu publizieren!

Ihre Forschungen sind wichtig, nicht weil Hölloch datiert werden muß, sondern weil jemand beweisen mußt, daß das nicht leicht, beziehungsweise völlig unmöglich ist. Ihre Resultate sind daher von allgemeiner Wichtigkeit.

Vielen Dank auch, daß ich mein Deutsch wieder einmal üben kann!

Mit herzlichen Grüßen, auch an meine anderen Kollegen Ihres Instituts. Besonders möchte ich Herrn Graf und Herrn Burga grüßen lassen.

mit besten Glückwünschen

Ihr ergebener

Alfred Traverse
Professor für Palynologie

AT/et

Hunt Institute for Botanical Documentation

Urs Groner
Geograph. Institut
Universität Zürich
Postfach
CH-8033 Zürich

Herrn
Prof. Dr. A. Traverse
Palynological Laboratories
Pennsylvania State University
Deike 435
University Park
PA 16802 USA

Zürich, 29. Juli 1981

Sehr geehrter Herr Traverse,

Vielen Dank für Ihren Brief. Es war tatsächlich so, dass ich die letzten 2 Semesterwochen nicht mehr Zeit fand für meine eigene Arbeit. Ich hätte allerdings gerne nocheinmal mit Ihnen diskutiert. Leider habe ich vergessen, Sie nach dem ersten Gespräch gleich anzurufen !

Meine Diplomarbeit habe ich inzwischen bei Peter Hochuli abgeholt. Er schaut sich übrigens jetzt eines meiner Präparate an und ich bin gespannt, was er dazu meint.

Ich habe mir vorgenommen, Sie auf dem Laufenden zu halten, besonders was die Untersuchung der Grob- und Feinsedimente betrifft. Aber da ist noch viel für mich zu tun...

Meine besten Wünsche für Sie und Ihre Frau - bis zum nächsten Mal

Mit freundlichen Grüssen

Urs Groner

Hunt Institute for Botanical Documentation

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E-Mail: traverse@ems.psu.edu

4 November, 1996

Dr. J. J. Groot
304 Kent St.
Chestertown, MD 21620

Dear Johan:

The MS came almost the same day you phoned about it.

I have read the paper carefully. It seems quite interesting. I am sure you are aware that to some critics it will come across as much arm-waving based on pretty thin data. Nevertheless, the facts are facts, and it is useful to summarize them and discuss the possible significance. You might give consideration to sticking in a few more "fudge factors," e. g., "Although these data are very generalized, considering the enormous land and marine areas involved...." etc.

The paper came during the visit here of Sarah Fowell, research geologist/palynologist at Lamont-Doherty and a former student of mine. She and I are busy with a Triassic project, but she is also involved in a number of Pleistocene (in my view we are living in the Present Interglacial; I agree with Bill Berggren that "the Tertiary and Quaternary should join their sisters Primary and Secondary on the scrapheap of geology) projects--Lake Baikal and Mongolia, mostly. I had Sarah read your paper too, and we discussed it over lunch one day. You might want to correspond with her, Dr. Sarah J. Fowell, Lamont-Doherty Geol. Observatory, Columbia Univ., Palisades, NY 10964.

I have made a number of suggested changes in wording in red ink. I hope you can read them. I have also suggested that you should give sources in a couple of places, and there are two lit. refs. that are not in the MS, as far as I can tell. In Fig. 2 a big effort should be made to change it toward legibility. In the sawblade diagrams we both thought that it would be very desirable to indicate (with dots or asterisks) the location of the samples, as it is not possible to decipher the spacing in the present form of the diagrams.

I assume that your change of address means you no longer are to be addressed at the Del. Survey. In your response to this you might send me your phone number, for your card. Have you got into e-mail at home yet? It is now very easy to get on, with a

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simple computer and modem, and Betty has discovered a server (Juno) that is ABSOLUTELY FREE!

Since a big envelope is going out to you with your MS, why not stick in a couple of reprints that my files say you haven't yet received.

All the best, and to Meet too.

Yours very truly,

Alfred Traverse

encl.:MS;reprints

Hunt Institute for Botanical Documentation

Date: Fri, 8 Nov 1996 08:21:31 -0500 (EST)
From: "Johan J. Groot" <42957@udel.edu>
To: traverse@ems.psu.edu

Thank you very much for your prompt review of my Long Records paper.I think that your observations are quite valid, and I believe that my ms suffers from representing the oral presentation that was limited to 15 minutes, and could not include many facts and details to justify my conclusions. At present I am working on a paper about the ages and environments of deposition of the post-Miocene deposits of Delaware.That will keep me occupied well beyond my 78th birthday! The University of Birmingham (UK)asked me to contribute an article to the Encyclopedia of Quaternar Sciece, but the time allotted is such that I have to decline participating. My tel.no. is (410) 810-0938. Best regards to you and Betty. John.

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Received: from brahms.udel.edu (brahms.udel.edu [128.175.13.16]) by pangaea.ems.
Received: (from 42957@localhost) by brahms.udel.edu (8.6.12/8.6.12) id MAA05306;
Date: Tue, 6 Feb 1996 12:06:41 -0500 (EST)
From: "Johan J. Groot" <42957@udel.edu>
To: traverse@ems.psu.edu
Message-ID: <Pine.SOL.3.91.960206120210.4592A-100000@brahms.udel.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

i am planning to attend the IPC in june and perhaps present a paper on
long marine records of climate.therefore it would be helpful to have
reprints of your papers on your Black Sea cores. is that possible?
greetings to you and Betty.

Hunt Institute for Botanical Documentation

Date: Tue, 6 Feb 1996 13:33:45 -0500 (EST)
From: "Alfred Traverse" <traverse@ems.psu.edu>
To: 42957@udel.edu
Cc:
BCc:
Subject: Black Sea studies
X-NUPop-Charset: IBM 8-Bit

Dear Johan: Groot

How nice to hear! Good to know you have e-mail capability.

Re Black Sea studies: I had two episodes of it. The first was with Woods Hole and had to do with their superficial piston cores. The second came out of my on-board palynologist assignment with the Glomar Challenger in the Black Sea. I always hoped that far more would come out, but I will send you xeroxes of what I did.

I do NOT plan to go to IPC--we'll be just back from Japan and getting ready to go to the Adirondacks--have to open our summer camp. Besides, the idea of spending my own money to go to Houston in June is not appealing.

Best to Meet. As ever, Al Traverse.

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E-Mail: traverse@ems.psu.edu

16 June, 1995

Dr. Johan Groot
Delaware Geological Survey
University of Delaware
Newark, DE 19716

Dear John:

Thanks for the paper by Groot and others in Quat. Sci. Rev. 14, 1995. It's good to know that you're still at it too, tho' I miss our occasional contacts a lot. I still am involved in Cenozoic studies of various kinds.

Betty got her Ph. D. in May--we had big parties! My "retirement" takes place the end of this month, but won't affect my activities appreciably.

According to my card on you, I haven't sent the enclosed reprints, so here they are.

Best to you, and regards to Meet.

Yours very truly,

Alfred Traverse

encl.: reprints

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20 December, 1993

Dr. Johan J. Groot
Delaware Geological Survey
University of Delaware
Newark, DE 19716-7501

Dear John:

Thanks for yours of 9 December. I am filing the whole thing with material for the revision of my text for the second edition, which is in the process of happening. The first edition is practically out of print.

Two of the 20 (!) students in my palynology course got Miocene/Pliocene unknowns and have been devouring your papers. Also, I am publishing a revision of the Brandon flora, calling it earliest Miocene, and quoting you here and there.

Happy holidays and a great 1994 to you and Meet.

Yours very truly,

Alfred Traverse

Hunt Institute for Botanical Documentation

Johan Broot

f. Re as correspondence

Broot, Delaware Survey,
Sample Series - Numbers

20 000 Series	Cores
40 000 "	outcrop Samples
50.000 "	outside DE (mostly outcrops)
60.000 "	ocean bottom sediments.
80.000 "	auger samples / ditch samples.

Hunt Institute for Botanical Documentation

State of Delaware
DELAWARE GEOLOGICAL SURVEY
UNIVERSITY OF DELAWARE
Newark, Delaware
19716-7501

ROBERT R. JORDAN, STATE GEOLOGIST
DELAWARE GEOLOGICAL SURVEY BUILDING
PHONE: 302-831-2833
FAX: 302-831-3579

November 24, 1992

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

Dear Al:

Many thanks for the reprints, Of particular interest to me are the papers dealing with transport and sedimentation of palynomorphs.

Since I wrote the paper on the Calvert Fm, I found one well-preserved specimen of Alangium barghoornianum in a sample from the lowermost part of the formation in a well drilled at Greenwood (southern Kent County, DE). Whether that is early Miocene or Oligocene I don't know. I am, of course, familiar with your paper on the Brandon lignite. In fact, I have a copy of Bureau of Mines R of I 5151.

The Brandon lignite and the early and middle Miocene Calvert Fm. share many taxa, although in different frequencies owing to differences in the environments of deposition. For instance, Cyrilla is rather scarce, and generally, exotics form only a small percentage of the pollen assemblages in the Calvert. And late Miocene sediments (e.g. in the Choptank and St. Marys formations) have even fewer exotic genera. I believe that the Calvert is somewhat younger than the Brandon lignite, a bit higher up the curve of your figure 5, p. 22.

Best regards to you and Betty,

Sincerely,

Johan J. Groot

dcw

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19 November, 1992

Dr. Johan J. Groot
Delaware Geological Survey
University of Delaware
Newark, DE 19716

Dear Johan:

Thanks for the reprints of your Calvert Fm. work--read with great interest. What gets me, is that the flora is a dead ringer for the Brandon lignite! You might even have quoted that fact.

All the best.

Yours very truly,

Alfred Traverse

P.S. I enclose a few reprints I seem never to have sent.

AT/et
encl: reprints

Hunt Institute for Botanical Documentation

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ROBERT R. JORDAN, STATE GEOLOGIST
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FAX: 302-831-3579

September 1, 1992

Alfred Traverse
President
Travspore, Inc.
RD 2, Box 390
Huntingdon, PA 16652

Dear Al:

Thank you and Betty very much for processing the "Aucilla" samples expeditiously. I trust that the DGS pays Travspore expeditiously also.

The DGS has invested in equipping a palynology lab for me, and Tom Smith is processing the first couple of samples. I shall know very soon whether or not we'll be successful in this matter. Tom spent a day with Debra Willard of the USGS studying her laboratory procedures.

Best Regards,

Johan J. Groot

dcw

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22 December, 1991

Dr. Johan J. Groot
Delaware Geological Survey
University of Delaware
Newark, DE 19716

Dear John:

Really enjoyed the paper you sent on your Neogene work, and to see the final form of what I had seen in nascent stages.

Hope you had a great time in Europe. We wish you and Meet all the best for 1992! See you when we get back.

Yours very truly,

Alfred Traverse

AT/et

Hunt Institute for Botanical Documentation

State of Delaware
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Newark, Delaware
19716

ROBERT R. JORDAN, STATE GEOLOGIST
DELAWARE GEOLOGICAL SURVEY BUILDING
PHONE: 302-451-2833
FAX: 302-292-3579

January 8, 1991

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

Th.:
✓ Sec'y for geol
J. H. Talley, 1975
Sta. of DE Geol. Surv.
R. I. 23

Dear Al:

Samples 22875 and 22877 are cores from a well drilled near Greenwood, DE, depths 704-706 ft and 764-766 ft respectively. Formation: Piney Point; age Eocene. See Report of Investigations No. 23.

I expect to send you some samples in early spring.

Sincerely,

John

Johan J. Groot

dcw

enc.

? P.S. I have lost the data sheets (Counts) of sample 23318, borehole Oj 51-06 and of Pozzaglia's sample. Would you be kind enough to make copies for me and send them to me?

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6 January, 1991

Dr. Johan J. Groot
Delaware Geological Survey
University of Delaware
Newark, DE 19716

Dear John:

Yours of 19 December just opened. The analyses are very interesting. Corroborates advantages of avoiding use of excessive mechanical stirring. If we also wanted to take the time to avoid centrifugation (using only decanting) we could eliminate most breakup of palynomorphs, but we'd charge more. The students tend to overwork their samples (too much grinding, stirring, heating, centrifuging). Within the framework of an introductory course, Frank did very well--"late Neogene" was an acceptable answer. For a thesis it wouldn't be.

I don't recall that I asked for the slide back, but in any case it came in (by actual count) 16 pieces. We long ago discovered that, given modern mailing machines, the only way to ship slides is the way we ship 'em--in a box of styrofoam worms. (There is also an all-styrofoam slide box that works.)

I would enjoy getting together with you soon, but have been called out of town unexpectedly twice since Christmas (26-28 Dec. and tomorrow--7 Jan.--through 10 Jan.), so I was not able to accomplish all I had planned for the "holidays"-- my life seems not to have changed much since last year!

All the best.

Yours very truly,

Alfred Traverse

Hunt Institute for Botanical Documentation

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Newark, Delaware
19716

ROBERT R. JORDAN, STATE GEOLOGIST
DELAWARE GEOLOGICAL SURVEY BUILDING
PHONE: 302-451-2833
FAX: 302-292-3579

December 19, 1990

S-1178

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

Dear Al:

Please find enclosed the forms I use for counting palynomorphs. One is of sample 23318 obtained in borehole 0j51-06, north of Dewey Beach, Delaware, depth 60-64 feet (about -57 to -60 feet msl), prepared by Travspore, and the other prepared by Pazzaglia. My comments are on the form describing P's slide.

Best regards,

Johan J. Groot

dcw

enc.

Hunt Institute for Botanical Documentation

Oj 51-06

PALYNOMORPH ASSEMBLAGE

18 Dec. 1990 JJ

LOCATION slide preparation by Travspore

FORMATION

Core ____
Auger Sample V

Sample No. 83318
Outcrop Sample ____

Altitude ____
Depth 60-64 ft lsd
____ ft msl

	#	%		#	%
Acer			Artemesia		
Alnus ~~IIII~~ ~~IIII~~ III	13	8	Caryophyllaceae		
Betula ~~IIII~~ ~~IIII~~ ~~IIII~~ III	18	11	Chenopodiaceae III		2
Carpinus II ?	2	1	Compositae I		1
Carya III	3	2	Gramineae III	3	2
Castanea			Cyperaceae		
Corylus			Ericaceae I	1	P
Fagus			Hydrocharis		
Fraxinus I	1	P	Rhus		
Ilex I	1	P			
Juglans			Typha/Sparganium		
Liquidambar					
Liriodendron			Thalictrum ? II ?	2	
Myrica I	1	P			
Nyssa					
Ostrya					
Populus					
Quercus ~~IIII~~ ~~IIII~~ ~~IIII~~	21	13			
~~IIII~~ I			Equisetum		
Salix			Isoetes		
Tilia			Lycopodium III ½	3	2
Ulmus			Lygodium		
			Tsuga I ?	1	P
Celtis			Osmunda II		
			Polypodiaceae ~~IIII~~ ~~IIII~~	9	6
Pterocarya			Selaginella		
Cyrilla			Sphagnum ~~IIII~~ I	12	7
Symplocos			Stereisp. ~~IIII~~ I		
T. edmundii			Much woody debris. Preservation		
C. fallax/liblarensis			variable.		
Abies			Quaternary		
Picea ~~IIII~~ ~~IIII~~ ~~IIII~~

128.0×29.4 C_3 14μ

127.0×37.1 *Pinus* #4! Four Sacci!

127.3×38.2 *Osmunda*? Good specimen at 124.2×41.4

127.1×40.4 P_3 *Corylus*? 19μ n. E.?

126.0×36.9 P_3. 18μ



123.9×36.4 { dark brown, monolete? C_1? Very dark brown

Hunt Institute for Botanical Documentation

"Groot Lankvlei" Pazzaglia Sample

PALYNOMORPH ASSEMBLAGE

18 Dec. 1990

LOCATION

FORMATION

Core ____ Sample No. 23318 Altitude ____

Auger Sample ✓ Outcrop Sample ____ Depth 60-64 ft lsd

____ ft msl

	#	%		#	%
Acer			Artemesia		
Alnus //// /		4	Caryophyllaceae		
Betula //// //// ///		9	Chenopodiaceae /	1	P
Carpinus /	1	P	Compositae //// /		4
Carya ///	3	2	Gramineae		
Castanea			Cyperaceae		
Corylus			Ericaceae		
Fagus			Hydrocharitaceae ?/Tomanthus	2	1
Fraxinus			Rhus /		
Ilex					
Juglans			Typha/Sparganium		
Liquidambar					
Liriodendron			Thalictrum ?1	1	P
Myrica					
Nyssa 1? (damaged) ?	1	1?	Other ///	3	2
Ostrya					
Populus					
Quercus //// //// //	17	12			
//// 17			Equisetum		
Salix			Isoetes		
Tilia			Lycopodium ///	3	2
Ulmus			Lygodium		
			Tsn /	1	P
Celtis			Osmunda // ? damaged		
			Polypodiaceae //// //	7	5
Pterocarya			Selaginella		
Cyrilla			Sphagnum ///	7	6
Symplocos			Stereosp ////		
T. edmundii					
C. fallax/liblarensis					
Abies			NAP 22%		
Picea /// % ?		2	Quaternary		
Pinus //// //// //// //// //// //// //// //// //	45		Weight index = 6.67; log 6.67 =	0.824	13
Saccl //// //// //// /// //// //// //// //// //// ///					
Tsuga			TOTAL NAP		
T. diversifolia type			Dinoflagellates/Dinocysts		
Sciadopitys					
TCT			Microforams		
TCT split			Preservation Terrible. Most Sacci detached from bodies of Pinus, more so than in preparation by Troy Spore. Another difference: lower % of Alnus & Betula, higher % of Picea. However, interpretation is not different: Quaternary age, temperate climate		
TCT split psilate					
130 + 10 + 20 + 3 = 141					
TOTAL AP					

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THE PENNSYLVANIA STATE UNIVERSITY
DEPARTMENT OF GEOSCIENCES
PALYNOLOGICAL LABORATORIES
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13 December, 1990

Dr. Johan Groot
Delaware Geological Survey
University of Delaware
Newark, DE 19716

Dear John:

Frank Pazzaglia's own field-collected samples all proved to be barren. I had, as a oncea-decade exception, allowed him to use them instead of an unknown in the palynology course. So, in desperation I gave him, as a back-up, a piece of your sample 83318. (He didn't know number or exact placve of origin.) I enclose his slide and vial. Thought you might want to compare it with the 83318 we did routinely. (Frank devoted all his attention to one sample!) I also enclose a copy of his paper.*

All the best for the holidays!

Yours very truly,

Alfred Traverse

P.S. Could you let me know the source and approximate age of 28875 (quad. Nc13-3, depth 704-706, rd. 588, Greenwood, Mae Morris Farm)? This is the sample I noted in my recent comments as the best dinocyst sample I have ever seen. We will return the bulk of what's left, but I kept a small piece, whieh we'll run to show the students in palynology as a dino-demo (unless you object, of course).

P.S. 2. (from Betty). *Will send paper after Christmas--no time to copy now. Al home this a.m. We're leaving this afternoon, so are in big rush (I have exam in 10 minutes). I don't know whether or not he called you re your coming in early Jan., but he will be in touch as soon as we are back home.

AT/et
encl

Hunt Institute for Botanical Documentation

TO AT

DATE 10.XII.90 TIME noon

WHILE YOU WERE OUT

M. John Knoot

Of

Phone

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

MESSAGE 1) any news re Frank's samples?

2) re Tiny Pe3 - they seem to occur thruout care in temperate periods, but not in cool".

over

Signed BT

The Standard Register Company

his was taken care of by "addition"

Hunt Institute for Botanical Documentation

TO AT

DATE 24-X-90 TIME 11:45

WHILE YOU WERE OUT

M. John Rood

Of

Phone

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

MESSAGE will call ± 12:30 — wants you to help him identify some of his pollen grains.

Signed BT

The Standard Register Company

Says continental shelf samples in front of 10-17 yr in pc0 - pc3 proterozoic. What are they? — hard to say!

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28 August, 1990

Dr. Johan J. Groot
Delaware Geological Survey
University of Delaware
Newark, DE 19716

Dear John:

We've made another slide from Peter Fawcett's residue. It's enclosed. I feel pretty sure that the difference between his count and yours is mostly that many of your identified taxa were "unidentified" to Peter. The Picea discrepancy is another story.

Best as ever. Hard to believe it's a year since we were overnight guests at your place.

Yours very truly,

Alfred Traverse

AT/et
encl: slide

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11 September, 1990

Dr. Johan J. Groot
Delaware Geological Survey
University of Delaware
Newark, DE 19716

Dear John:

Thanks for yours of 5-IX-90 re Chowan River Fm. samples. I made a xerox for Peter. At least it seems to confirm that he wasn't so far off after all. Reminds me to say that I have tried to encourage him to keep up his palynology--as a geochem type he's almost unique in expressing an interest.

All the best.

Yours very truly,

Alfred Traverse

AT/et

Hunt Institute for Botanical Documentation

State of Delaware
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UNIVERSITY OF DELAWARE
Newark, Delaware
19716

ROBERT R. JORDAN, STATE GEOLOGIST
DELAWARE GEOLOGICAL SURVEY BUILDING
PHONE: 302-451-2833
FAX: 302-292-3579

September 5, 1990

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

Dear Al:

Thank you very much for sending me a slide of Fawcett's controversial sample of the Chowan River Fm. I studied the slide this morning, and found the following:

Alnus	P (less than 1%)	Artemisia	P
Betula	P	Chenopodiaceae	P
Carpinus	P	Compositae	2
Carya	P	Gramineae	P
Liquidambar	P		
Nyssa	P	Lycopodium	P
Quercus	4%	Polypodiaceae	2
Picea	4		
Pinus	83	Fungus sp.	P
TCT	1	Reworked	1
		Dinocyst	P
Sciadopitys?	P		

This is different from the assemblage I got from the sample I collected myself a month ago. For my paper on Pliocene terrestrial climate of the Mid-Atlantic Region I shall use my sample as I know for sure where it came from.

Best regards.

Johan

Johan J. Groot

dcw

Hunt Institute for Botanical Documentation

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August 14, 1990

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

Dear Al:

Fawcett's sample 89TC8 was remarkable in that he found about 7% Picea, 75% Pinus, and no exotics. I collected, with Tom Cronin, a sample from the same clay. A comparison of the palynomorph assemblages is as follows (in % of the pollen sum).

	Fawcett	Groot		Fawcett	Groot
Acer	-	P	Artemisia	-	1
Alnus	-	1	Chenopodiaceae	-	3
Betula	3	3	Compositae	3	8
Carya	2	1	Gramineae	2	14
Juglans	-	P	Cyperaceae	-	1(?)
Liquidambar	-	P	Nuphar	-	P
Myrica	-	P	Sparganium	-	P
Nyssa	-	P	Polypodiaceae	-	1
Quercus	5	8	Sphagnum	-	1
Salix	-	P?			
Pterocarya	-	2	NAP	4% (+/-)	31%
Picea	7	P			
Pinus	75	49	dinocysts	?	P
Tsuga	-	P			
TCT	-	1	My count is based on 160 grains plus		
Sciadopitys	-	P	reconnaissance of the entire slide.		

It is difficult to compare the assemblages in terms of percentages, because (1) I have many more taxa recorded, and (2) I have found a lot of NAP, particularly grass pollen. I also found Pterocarya.

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Although there are several Picea pollen on my slides, in terms of percentage they are rather rare, that is < 1%. In fact, I found more Pterocarya pollen than Picea.

In view of these differences, would it be possible to lend me Fawcett's 89TC8 slice, so that I can do a count on his material for comparison? My material suggests temperate climate and a Pliocene age, his a cool or cold climate and a Pleistocene age. Who is right?

Sincerely,

Johan J. Groot

dcw

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2 July, 1990

Dr. Johan J. Groot
Delaware Geological Survey
University of Delaware
Newark, DE 19716

Dear John:

Yours of 7 June came during my prolonged absence to close Mother's home--I'm just back, somewhat the worse for wear.

Re your Quercus spp., from your list I have:

Q. myrtifolia
Q. laurifolia
Q. nigra
Q. palustris

However, I could also provide the other spp. if you wanted them, as they are available from either AT or PSU herbarium material.

Best.

Yours very truly,

Alfred Traverse

AT/et

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ROBERT R. JORDAN, STATE GEOLOGIST
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FAX: 302-292-3579

June 7, 1990

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

Dear Al:

In the "Ultimogene" there are a great number of Quercus species, and I wonder whether it would be possible to identify at least some of them if I had a more extensive reference collection. I am particularly thinking of species which occur in the Eastern USA from Virginia southward; these possibly could be present in the Neogene and the early Quaternary. For instance:

Q. lyrata
✓ myrtifolia
incana
✓ laurifolia
✓ nigra
shumardii
laevis
✓ palustris

Which of these species, if any, do you have in your reference collection?

Best regards,

Johan

Johan J. Groot

dcw

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12 June, 1990

Dr. Johan J. Groot
Delaware Geological Survey
University of Delaware
Newark, Delaware 19716

Dear John:

Peter Fawcett tells me that you'd like a copy of his Geoeciences 526 term paper--perhaps you asked me also. In any case, such a xerox is enclosed.

Yours very truly,

Alfred Traverse

AT/et
encl

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25 May, 1990

Dr. Johan J. Groot
Delaware Geological Survey
University of Delaware
Newark, Delaware 19716

Dear John:

Have studied slide 41142. (You have, I suppose, at least two such slides, so this one is #1? We leave it to you to designate the sub-sets.)

The sphaeromorph acritarch is a cyst (?) of some sort, almost certainly a flagellate, with a very prominent "eyespot" in each specimen. The wall structure is a very complex meshwork. If I were you I'd designate it as "acritarch-A", or whatever, and have a card with photos and locations, in case it becomes important later on.

The item at G47-3 is a for sure acritarch, presumably Cretaceous. At least I have seen no such thing in Cenozoic deposits, but I'm not an acritarch man. I know no such thing occurs in Holocene, and that is what Tappan meant by "acritarchs being gone by Pleistocene."

I return the slide herewith. You certainly find some interesting things.

Best.

Yours very truly,

Alfred Traverse

AT/et
encl: slide and original "analysis sheet"

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May 17, 1990

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

Dear Al:

I am sending a box containing ten samples provided to me by the Florida Geological Survey, and one sample (41367) from Delaware. In addition, you will find slide 41142 which has a number of palynomorphs which I believe to be Sphaeromorphs. Some of these are at the following Englandfinder locations: F41-1; V35; S42-3; P35-3; R46-2; Q37; and on the boundary of W35-3 and W34-4; you will also find an arritarch at G47-3.

p. 13 = the ... of Paleopalynology

This sample comes from a gray silt bed that contains Mercenaria shells. Amino estimated age 200-250 Ka (Stage 7).

The sample contains some reworked palynomorphs, including Cicatricosisporites and Plicapollis(?). Quercus is the most frequently occurring pollen, but also we can find Betula, Alnus, Carpinus-Ostrya, Myrica, Carya, and a lot of Compositae.

Many pollen, for instance of Quercus, are rather dark considering their age. TAI # varies, but 2 or 2 plus is not uncommon.

Please send ASAP invoice for completion of work on Purchase Order 102358-3 of 11 January 1990 ($500.00).

Best regards,

John

Johan J. Groot

dcw

Hunt Institute for Botanical Documentation

13 April 1990

Dear Al;

Would you be kind enough to ask Fawcett to send me data on the <u>location</u> of the so-called Pliocene Cold climate sample, and, if possible a sketch of the outcrop where it was obtained.

Best regards,

John Groot

Sent this page 5 years from Crowe LOFR 89-678 w. location + stratal. pos.

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March 29, 1990

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

Dear Al:

In your book PALEOPALYNOLOGY, page 304, you state that fungal hyphae are especially abundant in deltaic sediments. In one sample of Quaternary age I found lots of hyphae (as well as two Scolecodonts). Why would hyphae indicate deltaic environment?

Sincerely,

Johan J. Groot

dcw

Hunt Institute for Botanical Documentation

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9 February, 1990

Dr. Johan J. Groot
Delaware Geological Survey
University of Delaware
Newark, DE 19716

Dear John:

Yours of 1 February in hand. All samples you mentioned have arrived.

I am filing your suggestions re a field trip for 1991. For 1990 Dr. Skog of George Mason University is guiding us to a locality in Maryland.

We just shipped you a box of completed work, including the rush samples for Florida Geological Survey. This letter and the box should await you on the 12th. I would love to hear your reactions to Jamaica.

As ever,

Alfred Traverse

P.S. I enclose an article for you.

AT/et

Hunt Institute for Botanical Documentation

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ROBERT R. JORDAN, STATE GEOLOGIST
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February 1, 1990

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

Dear Al:

After sending you six samples from Florida, we shipped to you twenty samples, eighteen of which are from AMCOR continental shelf samples (AMCOR 6008, 6009). Later we will send you another 80 samples from AMCOR 6021, all of which consist of dark gray silts/clays. They contain forams, or at least some of them, but after removal of calcareous matter there should be, I hope, enough sample left to obtain palynomorphs. All of the AMCOR 6021 samples are presumably of Pleistocene age.

Your paleobotanical field trip: you might check with the Maryland Geological Survey (telephone 301-554-5500) with regard to an outcrop of the Brandywine Fm. See enclosed material. Or the New Jersey Geological Survey (call Pete Sugerman, 609-292-2576) to see whether there still is an outcrop of the Legner lignite in the Cohansey Fm. (middle or late Miocene). There is nothing in Delaware.

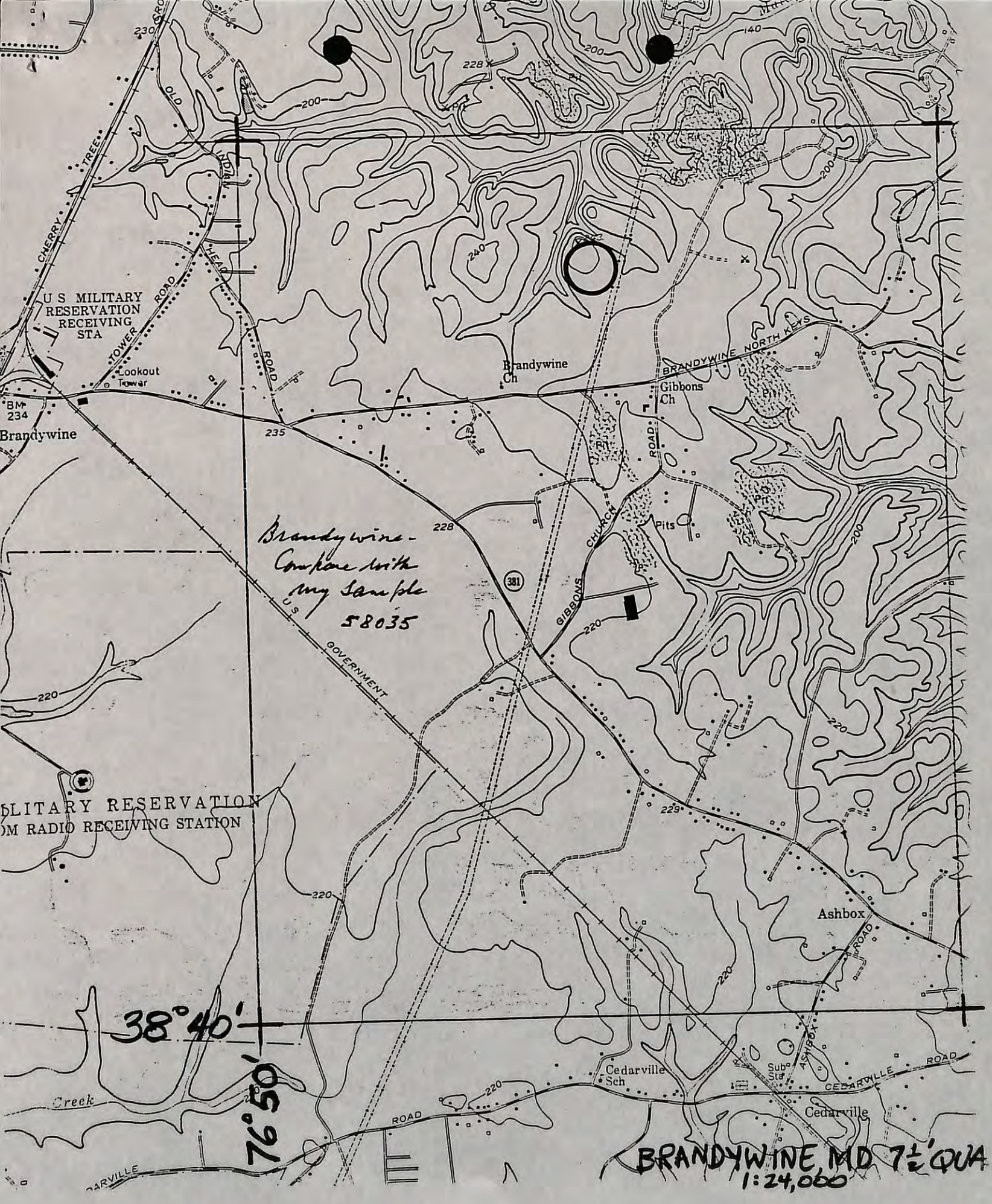
Tomorrow we are going to Jamaica; I'll be back in the office Feb. 12. Perhaps you can send me some slides in the meantime?

Sincerely,

Johan J. Groot

dcw

Hunt Institute for Botanical Documentation



Hunt Institute for Botanical Documentation

LATE TERTIARY FLORA FOUND IN GRAVEL PIT

The recent discovery of a baldcypress log (Taxodium distichum) buried in an old stream channel within the Upland Deposits, or Brandywine Formation, of presumed Pliocene age is turning out to be just the tip of an iceberg of information. Discovery of the log itself is cause for excitement, since it is the first known occurrence of woody material in deposits of that age in the Mid-Atlantic States. In that regard alone, the site is unique. Of even greater scientific value, however, are the enormous quantities and varieties of leaves, berries, fruits, seeds, pollen and other floral remains. Analyses of these materials are yielding much new information about the age and climate.

The discovery of the log was made last fall in southern Prince George's County during mining operations at a sand and gravel pit owned by E. L. Gardner, Inc. The pit foreman, John Frazee, suspected there might be scientific interest in the log and alerted his supervisor. The Maryland Geological Survey was contacted, and geologists James Brooks, James Reger and John Glaser visited the site several times between November and May to collect samples and describe the stratigraphy. The discovery was later brought to the attention of Lucy McCartan, a geologist with the U. S. Geological Survey.

Although it was the only log found at the site, its large size (about 15 feet in length by 3.5 feet in diameter) indicates that it was a mature tree and, therefore, that conditions were favorable for baldcypress growth. Such conditions include a climate that was somewhat warmer and moister than today's climate and a setting that may have been closer to a shoreline and/or a swamp than today's setting. Preservation was excellent because the log, along with a rich assemblage of other plant matter, was buried in a dark gray to blue-gray clay that filled an abandoned stream channel. The cross-sectional geometry suggests that the channel

DRAFT

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had been part of a stream meander that was cut off and abandoned, forming an oxbow, and then gradually filled with clay and silt. Subsequently, the clay-filled oxbow was buried beneath 20 to 25 feet of sand and gravel. The channel fill was about 75 feet wide; the clay reached a thickness of 10 feet near the center of the channel, and thinned to zero at the edges.

The actual age of the plant materials and of the sand and clay deposits was the first question geologists had. Geologic mapping in the region had long indicated a Pliocene(?) age, which would have made the deposits about 2 to 5 million years old. Although the baldcypress wood appeared quite fresh, radiocarbon dating indicated only that the wood was over 44,000 years old--or too old to be dated by that method. Earl Hare, a geochemist with the Carnegie Institution of Washington, D.C. is experimenting with amino-acid dating techniques to determine an absolute age of the cypress wood. This method of absolute dating has not been applied to wood before, and it may be several more months before any results, either successful or unsuccessful, are known.

For the time being, the question of age has fallen to paleobotanists and palynologists to answer. Several investigators have been studying plant remains from thousands of pounds of the gray clay collected at the site. Jack Wolfe, a USGS paleobotanist in Denver, finds evidence of a deciduous forest mixed with pond plants--a setting somewhat analogous to what can be found in parts of the southeastern United States today. Wolfe has identified over 20 leaf taxa so far, including hickory, sycamore, sweet gum and holly. Most, however, belong to species different from those living in the region today, including Cyclocarya, a water chestnut no longer native to North America. Meanwhile, USGS palynologist Tom Ager has found hickory, walnut, oak, sweet gum, pine, elm, holly, alder, and ragweed pollen in the clay, as well as several types of pollen not yet identified.

DRAFT

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Scott Wing, a paleobotanist from the Smithsonian Institution, reports fruits from the Nyssa family (which includes sour gum and black gum) previously found only in the Brandon Lignite of Vermont and hickory nuts with seeds preserved inside.

Ager made a preliminary age determination of early Pliocene (approximately 3 to 5 m.y. BP). Wolfe thinks the materials are at least that old and possibly somewhat older. Floral differences between this site and others of Pliocene age suggest to him that the age could be as great as late Miocene (approximately 5.5 to 7 m.y. BP).

Al: I found a Carya-Quercus assemblage, further TCT including Taxodium, some Alnus, Fraxinus, Ilex, Nyssa, Platanus, Ulmus, very little Pinus, Tilia, Liquidambar and 6% Pterocarya; also present T. edmundii and Cyrilla, and Sequoia-type.

NAP: Compositae & Gramineae.

My interpretation: early Pliocene. Similar to assemblage of Bethany + Beaverdam fm. of Delaware. Warm-temperate-moist climate. Fluvial deposit

JPR3-072787

DRAFT

Hunt Institute for Botanical Documentation

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24 January, 1990

Dr. Johan J. Groot
Delaware Geological Survey
University of Delaware
Newark, DE 19716

Dear John:

The Tom Cronin suggestion seems to be a winner. He is sending a short section of 15 samples that crosses what he considers a big climatic swing. Peter F. should have fun. Many thanks!

As ever,

Alfred Traverse

AT/et

Hunt Institute for Botanical Documentation

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15 January, 1990

Dr. Johan J. Groot
Delaware Geological Survey
University of Delaware
Newark, DE 19716

Dear John:

I just saw Betty's letter to you of 2 Jan. re Hungary, etc., and yours of 19 December that occasioned it.

Esther Nagy (Pliocene-Miocene pollen) in Budapest is a lady you must meet. She is getting up in years but as of the Congress in Australia in 1988 was still very chipper (and a very nice person).

The palynologist of Hungary for the last couple of decades has been Kedves. He seems to me to spread himself too thin, but he's a guy you should visit.

Goczan is deceased.

I was glad to hear we'll be getting more samples. "Travspore's" existence has helped palynology around here greatly.

The copy of the report was very interesting. I look at all slides, as you know. Often I think, "Gosh, I wish I could study that stuff!"

All the best to you and Meet.

Yours very truly,

Alfred Traverse

AT/et

Hunt Institute for Botanical Documentation

TO AT

DATE 2.I.90 TIME 10 a.m.

WHILE YOU WERE OUT

M. John Groot

of

Phone

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

MESSAGE re his letter of 19.XII
I sent him addressed
See copy of letter.

Signed B.

The Standard Register Company

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2 January, 1990

Dr. Johan J. Groot
Delaware Geological Survey
University of Delaware
Newark, DE 19716

Dear John:

Here are the addresses:

(Neither Goczan or Esther Nagy have been heard from in some years; are probably inactive.) Last address Al has for both of them (from the 60s) is:

Hungarian Geological Institute
Nepstadion T14
Budapest XIV

(Kedves is very active; is only Hungarian listed in AASP):

Miklos J. Kedves
Dept. of Botany
Jozsef Attila Univ.
Egyetum U.2, Box 657
H-6722 Szeged, Hungary

(our special friend and colleague in Prague):

Dr. Magda Konzalova
Inst. of Geol. & Geotechnique
Czechoslovak Acad. of Sci.
V Holesovickach 41
1882 09 Praha 8, Czech.

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(Milada is still listed in AASP directory, so perhaps is active; she is a marvelous lady.):

Dr. Milada Kalibova-Kaiserova
Oisousukiva 5
Praha 13000, Czech.

(for many years Blanka Pacltova was our Prague connection in palynology; I believe she is retired now, but is a fine person to meet if possible):

Dr. Blanka Pacltova
Paleont. Inst., (Paleobot. Div.)
Karls University
Albertov 6
Praha 2, Czech.

In haste.

Yours very truly,

Elizabeth I. Traverse

Hunt Institute for Botanical Documentation

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21 December, 1989

Dr. Johan J. Groot
Delaware Geological Survey
University of Delaware
Newark, DE 19716

Dear John:

In the palynology course just ended, one of the students got a chip of one of your samples (21326 = B-2, 75.5-76') as his "unknown." The students are told nothing about the provenance of the samples. I enclose a xerox of the term report on this sample. That an undergrad can do that on the basis of 15 weeks' study (along with 4 other courses) is a pretty good confirmation of the value of the technique.

Best.

Yours very truly,

Alfred Traverse

AT/et
encl: student term report

Hunt Institute for Botanical Documentation

State of Delaware
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19716

ROBERT R. JORDAN, STATE GEOLOGIST
DELAWARE GEOLOGICAL SURVEY BUILDING
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FAX: 302-292-3579

December 19, 1989

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

Dear Al:

Meet and I are planning to pay a brief visit to Hungary, and we would like to establish contact with palynologists working on the "Ultimogene." Kedves comes to mind (I used to exchange reprints with him), but I believe there is a lady palynologist (Nagy) in Budapest, and F. Goczan? Could you provide me with addresses? I am planning to write to these people prior to leaving for Europe.

I trust that you have received a requisition for processing another 50 samples. I think that the Delaware Geological Survey will follow this up with another requisition for about 20-25 samples (for our geological mapping program), and then in the spring, I expect to have funds for another 100 samples, mostly from AMCOR holes on the continental shelf. That will keep your assistant (and Betty and you) out of mischief.

Best regards and a happy New Year,

Sincerely,

John

Johan J. Groot

dcw

Hunt Institute for Botanical Documentation

UNIVERSITY OF DELAWARE INTER-DEPARTMENTAL

Memorandum

Dear Al: I thought that you may be interested in knowing what I do with at least some of the samples processed by Travspore.

December 11, 1989

TO: RRJ, KWR, RNB

FROM: JJG

Vibracore 16-905 was obtained off the coast of Maryland, in location 381300 N and 750330 W (approximately), in a water depth of 55 feet. Linda York did some amino acid racemization analyses of Mulinia shells found in this core at a depth of 11.5 feet, in the lower part of ostracod Zone 3 of Cronin (see fig. 1). She believes that this zone should be correlated with stage 5 of the deep-sea record.

Tom Cronin made a detailed study of the ostracod assemblages in core 16-905 and found two zones, the lower one (Zone 2) suggesting a cold climate with water temperatures in winter between 3 and 6 degrees C, and an upper one (Zone 3) suggesting a milder climate, with an average water temperature of about 7 1/2 degrees C in winter. (These data were provided by Tom Cronin during a telephone conversation on Dec. 7, 1989.)

Six samples from core 16-905 were processed for palynological analysis; their location in the core is shown in figure 1, and the results are summarized in table 1.

The pollen assemblages in Zone 2 are characterized by pine and spruce, indicating a cold climate. Sample 58053, a few inches above the Zone 2-3 boundary, also suggests a cold climate, but a slight amelioration is indicated by 4 percent hickory. In sample 58052, poor preservation of the pollen prevented a reliable count; however, the presence of oak, hickory, and alder suggests a somewhat milder climate than prevailed during the deposition of Zone 2. Samples 58051 and 58050, in the middle part of Zone 3, indicate a further amelioration of the climate, as is shown by a decreasing percentage of spruce and an increasing percentage of oak.

The pollen assemblages of ostracod Zone 2 are essentially the same as those occurring in some Quaternary samples of the Omar Formation, and in a dozen samples of surficial deposits in Delaware. This does not necessarily indicate that they are of the same age, only that the same climatic conditions existed.

According to Tom Cronin, the ostracod assemblages of Zone 3 suggest a "mild" climate, apparently with winter water temperatures about 3 degrees C higher than during the deposition of the sediments of Zone 2. The pollen assemblages also indicate a less cold climate, but the change does not appear drastic. The source of the pollen may be several degrees of latitude to the

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SAVE E

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north of the site of deposition, and the opposite may be the case with the ostracods. Some difference in the interpretation of climate based on marine fossils and pollen assemblages also pertains, for instance, to the Yorktown Formation of Virginia: warm-temperate on the marine fossil evidence and temperate on the pollen evidence.

According to Tom Cronin the ostracod assemblages indicate a marine or perhaps slightly brackish environment. This implies that during a period of a cold climate (as represented by Zone 2), sea level was rather high. Sample 58054 suggests a very cold climate, yet occurs at 73 feet below present sea level. I would have expected a much lower sea level.

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Table 1. Palynology of some samples of core 16-905, off the Maryland coast. (In percentages of the pollen sum.)

	Sample number					
	58050	58051	58052	58053	58054	58055
Alnus	5	2				P
Betula	5	3	Poor	P		1
Carpinus	P?	P	Pre-			
Carya	1	2	serva-	4	P	P
Fagus			tion.			
Ilex			Mostly			P
Myrica	1		Pinus;	P		P
Quercus	7	3	Picea,	1	P	2
Tilia		P	Quercus	1		
Ulmus			Carya,	1		
			and			
Picea &			Alnus			
Abies	1	9		15	18	12
Pinus	46	56	also	63	69	69
			present			
Artemisia	2		and Artemisia and Ericaceae			
Chenopodiaceae	1					
Compositae	2	1			1	1
Gramineae	P					
Cyperaceae				P		
Ericaceae				P	2	1
Nymphaceae	1					
Lycopodium		2		2	P	2
Osmunda			P		P?	P?
Polypodiaceae	1	2		6	4	2
Sphagnum	32	20		7	4	7

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16-905

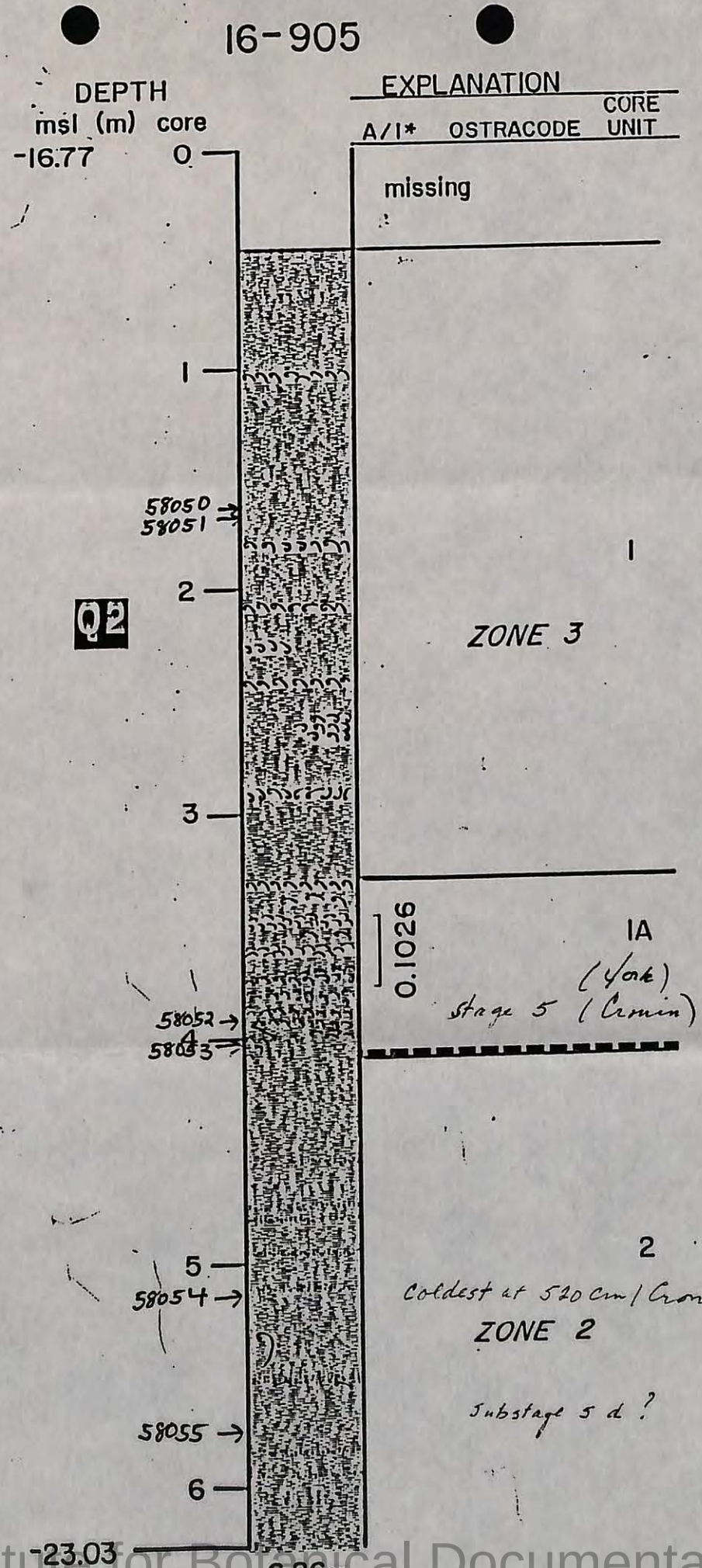


fig. 1

Hunt Institute for Botanical Documentation

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

27 October, 1989

Dr. Johan J. Groot
Delaware Geological Survey
University of Delaware
Newark, Delaware 19716

Dear John:

Your palynomorph is a germinating fungal spore in my opinion. I would suggest sending the photos and the letter on to Bill Elsik for something more definitive (Exxon, USA, P.O. Box 2189, Houston, TX 77001). It's very interesting that the one species is so abundant.

Best.

Yours very truly,

Alfred Traverse

Hunt Institute for Botanical Documentation

State of Delaware
DELAWARE GEOLOGICAL SURVEY
UNIVERSITY OF DELAWARE
Newark, Delaware
19716

ROBERT R. JORDAN, STATE GEOLOGIST
DELAWARE GEOLOGICAL SURVEY BUILDING
PHONE: 302-451-2833
FAX: 302-292-3579

September 27, 1989

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

Dear Al:

Thank you for your letter of the 20th September in which you express the opinion that the "oddball PcO" is probably Quercus. Since your visit here I have studied some other slides that have a lot of Quercus grains, quite a few presenting both a polar and equatorial view. Those in polar view are indistinguishable from the "oddball PcO," and therefore my conclusion was the same as yours: Quercus. These grains are practically spherical, and, as you indicate, with wide open colpi they may have collapsed.

Best regards and greetings to Betty,

John

Johan J. Groot

dcw

Hunt Institute for Botanical Documentation

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

20 September, 1989

Dr. Johan J. Groot
Delaware Geological Survey
University of Delaware
Newark, DE 19716

Dear John:

Your oddball PcO (tricolpate) with micropitting is probably a Quercus after all--the sculpturing is probably micropitted on top of flat verrucae, which are somewhat eroded. I find, however, no peroblate Quercus. How about the possibility that, as the slightly oblate grains corroded, accounting also for their being "wide opened", they collapsed. As they were oblate to start with, this collapse flattened the grains pole-to-pole and never in the other sense. Just a thought.

All the best.

Yours very truly,

Alfred Traverse

AT/et

Hunt Institute for Botanical Documentation

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

11 April, 1989

Dr. Johan J. Groot
Delaware Geological Survey
University of Delaware
Newark, Delaware 19716

Dear John:

I am very sorry for the problem you've had with too-thick slides. I looked at every slide, but I admit I didn't go to 100x on any of them. We used No. 1 coverslips on all your slides. We could go to No. 0 if you prefer, but I find them awfully breakable. I wonder if the problem isn't rather that too large a drop was used, and the preparation (rather than the slip) is too thick? In any event, you have the residues and can melt them up in a pan of water to make more slides--granted, you shouldn't have to, but it would be the easiest thing for you to do.

Thanks for telling me. I'll check all slides with oil from now on!

Yours very truly,

Alfred Traverse

AT/et

Hunt Institute for Botanical Documentation

State of Delaware
DELAWARE GEOLOGICAL SURVEY
UNIVERSITY OF DELAWARE
Newark, Delaware
19716

ROBERT R. JORDAN, STATE GEOLOGIST
101 PENNY HALL
PHONE: 302-451-2833

April 5, 1989

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

Dear Al:

Thanks for the last batch of slides which arrived safely. I noticed that a few slides (58041 to 58044) gave a problem when using the 100x oil objective: impossible to focus, the objective pressing on the cover glass. Was a thicker cover glass used? If so, please go back to the ones you used originally (#0?).

Sincerely,

John

John H. Groot

dcw

Hunt Institute for Botanical Documentation

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

8 September, 1988

Dr. Johan J. Groot
Delaware Geological Survey
University of Delaware
Newark, Delaware 19716

Dear John:

We are expecting you in the office here (I suppose early afternoon) on Thursday, 15 September. You can follow us home when the time comes, so you don't need the map we usually provide. Betty and I look forward to having you as dinner and house guests that night. On Friday a.m. after breakfast we'll all leave our place ("Alphabet"), you for Dover, we for State College.

See you soon.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

Hunt Institute for Botanical Documentation

State of Delaware
DELAWARE GEOLOGICAL SURVEY
UNIVERSITY OF DELAWARE
Newark, Delaware
19716

ROBERT R. JORDAN, STATE GEOLOGIST
101 PENNY HALL
PHONE: 302-451-2833

November 6, 1987

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

Dear Alfred:

Thank you so much for your nice letter about my return to (palynological) life. It is good to know I have not been entirely forgotten. I enjoy being back in P & S work, which came about because the Delaware Geological Survey wanted me to determine the age of some sediments in a deep well that was drilled some years ago, and then asked me to study Quaternary and late Tertiary sediments. The first thing was, of course, re-establish my reference collection, therefore my letter to you.

The University of Delaware is sending Travspore Inc. a requisition for one species each of the genera listed in your letter of 23 October. Which species I leave up to you; usually the morphological differences between species are not so great anyway.

I hope that some day I have a chance to visit you so that I can renew our acquaintance. In the meantime, in the event you visit the East Coast, don't forget that we are not far from Philadelphia and Washington, and visit us.

Sincerely,

Johan J. Groot

dcw

Hunt Institute for Botanical Documentation

TO AT

DATE 15-X-87 TIME 11:35

WHILE YOU WERE OUT

M. John Groot

Of Geol. Dept. - U Delaware

Phone 302-451-1576

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

MESSAGE Tert. & Quat. in Delaware - wants few things common in Tertiary, will write you.

Signed BT

The Standard Register Company

Hunt Institute for Botanical Documentation

February 28, 1968

Dr. Johan J. Groot
Chairman, Geology Department
16 Robinson Hall
University of Delaware
Newark, Delaware 19711

Dear John:

Good to hear from you again and to learn that my comments re Argentine Basins' palynology were of some interest. I remembered your comments re magnetic reversals, but I thought (and quite possibly was wrong) that magnetic-reversal dating was still not on a universally accepted basis.

Regarding the possibility of a joint NSF proposal, I have several comments. It would be fun to work on the South American stuff of course. But it is our information that it is difficult to fund a grant to two institutions--and I would only be able to take part in such a deal if a portion of the money (i.e., support for our program--especially for graduate assistant(s)) were to come directly to Penn State. I suppose it might be more feasible to divide the project between us somehow and come up with two proposals. Another joker in the whole graduate student mess. I suppose I might find myself without any of them to help with the work, and I am already badly over-committed (a situation in which I know I am not alone!).

I am sorry that this is not more positive, but it is best to be frank, I suppose.

Yours very truly,

Alfred Traverse
Associate Professor of Geology

AT:kwc

Hunt Institute for Botanical Documentation

UNIVERSITY OF DELAWARE
NEWARK, DELAWARE
19711

COLLEGE OF ARTS & SCIENCE
DEPARTMENT OF GEOLOGY
16 ROBINSON HALL
PHONE: 302-738-2569

February 21, 1968

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

Dear Al:

Thank you so much for your remarks pertaining to our paper on the Argentine Basins. I do appreciate it that you took the time to read it and give me the benefit of your thoughts. I believe that there is considerable need for "theoretical" work pertaining to the dispersion of pollen in the ocean, and the preservation of plant microfossils once they become entombed in the sediments. Both problems are not easily solved but I hope to do some work on the dispersion problem if I can get some equipment next fiscal year. The problem of radiometric dating is another tricky one: radiocarbon dating is often impossible owing to lack of datable material. Magnetic reversals would be easier, provided the cores are not from the tropics but from reasonably high latitudes (30-40° latitude or higher), and provided they cover more than 700,000 years, the beginning of the first (from the present) reversed epoch.

I noticed with great satisfaction that you express an interest in deep-sea palynology. I believe that, if you and I (and my wife) put our heads together, we could come up with a good proposal to the N.S.F.. If you were interested in this, we should prepare a draft proposal, and talk it over with Dr. Deevey who is spending a year at the N.S.F. in Washington. If he would encourage us to go ahead, we could prepare a definite proposal - and let the chips fall where they may.

If you have any interest at all in this proposition, I would like to discuss it with you very soon.

Sincerely,

Johan

Johan J. Groot
Chairman

JJG:ng

Hunt Institute for Botanical Documentation

February 16, 1968

Dr. Johan J. Groot
Department of Geology
University of Delaware
Newark, Delaware 19711

Dear John:

Following our telephone conversation the other day, I got out my crowbar and went to work on my correspondence pile and extracted your paper, "Spores, pollen, diatoms and provenance of the Argentine Basin sediments" and reread it carefully, in order to be able to comment intelligently (?).

It seems to me that your work on the cores has been a very interesting contribution. It would be easier for me to assess some of the conclusions that were reached if the paper had included the actual counts as well as their graphic representation. I do think we should insist on such a table, even though it makes journals wild.

I remember having told you that I was somewhat dubious about drawing conclusions about continental climates from the pollen sedimented out into abyssal sediments far away from the continental masses. That was an idea I picked up from hearing your paper in Utrecht. However, I haveddone some more thinking about it based on consideration of the paper in hand and I am now convinced that records such as you have obtained can only reflect differences in sedimentary regime, differences in pollen preservation phenomena, or differences in climate. To some extent, I suspect all three things are going on--the much greater abundance in pollen in the upper part of your sections (cf. fig. 6) could well be a preservation phenomenon, for example, Still, it seems to me that the large scale fluctuations you have found must have something to do with climatic changes. It would really tie this down if you could prove with dates that your hypothetical glacial-interglacial intervals checked out with other information. I realize that it does (pp. 205-206) check pretty well with sedimentation from the data you presented, but I think it would greatly help if you could get radiometric dates.

It would be most interesting if wehhad data from study of pollen in the water and pollen from the uppermost part of the sediment to check out

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what is going on today. I have no idea how to get the proper samples of uppermost abyssal sediment--perhaps some sort of delicate grab sampler--or even sediment traps (a wild idea!).

There is no doubt that pollen behaves as small silt particles in sedimentation--therefore, as I think we showed in the Bahamas, pollen sedimentation is going to be a reflection of sedimentation in general. That Ephedra pollen was abundant in some of your levels certainly means that Ephedra was abundant in a nearby continental mass. (The scattered Ephedra in Texas is not enough to produce more than an occasional grain in the surface sediment of coastal Texas.) But its abundance also bespeaks Ephedra's capacity to float--cf. pine in the Bahamas. The abundance of Chenopods can be a tricky thing--in the cores I looked at in the Bahamas I came to the conclusion that the downward increase in chenopods I observed some places was a result of chenopod enrichment by destruction ofoother types. Chenopod pollen is fantastically resistant to destruction. (I have a paper to publish on this if I ever get it out.) Fern spore maxima seem to me to be a reflection of climatic factors without much doubt, though reworking by erosional factors must always be considered--I am wondering whether the staining technique reported by Stanley and mentioned by you too (p. 201) would work with say Pliocene fern spores.

I would have guessed that pollen-per-gram would be a very useful way to go about the work you are doing, since for limited numbers of types percentages tend to give a false impression. If x goes up in percentage, something has to go down. However, your figure 6 worries me; it just doesn't show the pteridophyte-Ephedra alternation at all--why? I just can't figure that out.

I don't know whether these more or less random thoughts off the top of the head are useful to you, but they are what occurs to me now, and I must get on with other things. I do feel that the sort of work you have been doing is valuable, and that you would make a contribution by keeping it up--indeed, I wish I could be in on it too, because it interests me greatly.

Please do consider providing a complete table of your counts in future papers.

Best wishes.

Yours very truly,

Alfred Traverse
Associate Professor of Geology

AT:kwc

Hunt Institute for Botanical Documentation

January 16, 1968

Dr. Johan J. Groot
Department of Geology
University of Delaware
Newark, Delaware 19711

Dear Johan:

Thanks for your nice letter. As far as the visit is concerned, it was as much a pleasure for all of us as it was for you, I am sure. Betty and I very much appreciated the surprise dinner at the Autoport! That was very thoughtful. We only hated to see you heading off into the night for such a long drive.

The paper on the Argentine Basin still hasn't come--had you just sent it at the time of writing the letter? I will comment in full as soon as I get it. So, if you don't hear from me within a week or so, you had better send me another copy, I guess. If there is a reprint-snatcher around here, he must specialize in Groot papers!

Best wishes.

Yours very truly,

Alfred Traverse
Associate Professor of Geology

AT:kwc

Hunt Institute for Botanical Documentation

UNIVERSITY OF DELAWARE
NEWARK, DELAWARE
19711

COLLEGE OF ARTS & SCIENCE
DEPARTMENT OF GEOLOGY
16 ROBINSON HALL
PHONE: 302-738-2569

January 9, 1968

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

Dear Al:

I hope that you have received by now our paper on the Argentine Basin, and I trust that you will give me your frank and candid opinion both on this particular paper and on the general type of work that we have been pursuing. I ask you to do this because I hope to apply to the National Science Foundation some time in the near future for financial support to do similar work, and I am sure that my proposal would benefit from your thoughts on this matter.

I certainly appreciate very much the kind reception that I had last Friday, and I am certainly impressed with the good facilities that the Department of Geology and Geophysics has.

Wishing you every success with your work.

Sincerely yours,

Johan

Johan J. Groot
Chairman

JJG:ng

Hunt Institute for Botanical Documentation

June 26, 1967

Dr. J.J. Groot
Delaware Geological Survey
Newark, Delaware 19711

Dear Dr. Groot:

I enclose the original plates of your paper covered in Volume 26 of the Catalog. Once again, thanks for your help and cooperation. I trust that we'll be working together on such a project again one of these days!

Best wishes.

Yours very truly,

Alfred Traverse
Editor
Catalog of Fossil Spores and Pollen

AT:kaw

Enclosure: photographs

Hunt Institute for Botanical Documentation

UNIVERSITY OF DELAWARE
NEWARK, DELAWARE
19711

DEPARTMENT OF GEOLOGY

February 3, 1967

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

Dear Dr. Traverse:

Thank you for your letter of February 1, 1967. I am happy to say that we still have a few copies of the paper you request and I am sending this to you under separate cover.

It is my understanding that the paper on the Cretaceous of Portugal will appear in the Catalog of Fossil Spores and Pollen, at least I seem to remember that I was requested to send the plates to your office last year when I was in England. Is this correct?

With best regards,

Sincerely yours,

Johan J. Groot
Chairman

JJG:mac

Hunt Institute for Botanical Documentation

February 1, 1967

Dr. J. J. Groot
Delaware Geological Survey
Newark, Delaware

Dear Dr. Groot:

Would you by any chance have a copy still of your paper, "Plant microfossils from Aptian, Albian and Cenomanian deposits of Portugal," published in Comm. Serv. geol. Portugal. 1962? If so, I would like to have same for my reference use.

It was good, finally, to meet you in Utrecht. Perhaps now that we are on the same part of this continent we can see each other from time to time.

Yours very truly,

Alfred Traverse, Editor
Catalog of Fossil Spores & Pollen

AT:kaw

Hunt Institute for Botanical Documentation

(see also Amoco)

4 June, 1982

Mr. Peter Groth
Amoco Production Co.
2506 Security Life Ins. Bldg.
Denver, CO 80202

Dear Pete:

The enclosed is the next stage per our phone conversation of about a month ago . Here is a proposal to help Ron Litwin's researdh:

1. Is this the sort of thing that would "fly"?

2. If yes, what do I do next?Modify per your suggestions I send to Mr. Ecker?

Best wishes from drowning PA (I've never seen such a wet spring--can't plant, can't mow, etc.).

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

encl: proposal for a proposal
cc: R. J. Litwin

Hunt Institute for Botanical Documentation

Proposal for support of doctoral dissertation research
of Ronald J. Litwin at the Pennsylvania
State University

The Triassic-Jurassic continental beds of the Colorado Plateau and adjoining areas of the southwestern United States have been age-dated primarily through study of sparse fossil vertebrates and megafossil plants. In recent years more or less preliminary paleopalynological studies of lacustrine and fluvial fine-grained sediments in the concerned formations have been presented in thesis form and/or published by various authors. Although these studies (Gottesfeld, 1971 & 1975; Dunay, 1972; Dunay & Traverse, 1971; Dunay & Fisher, 1979; Stone, 1978 and others) have contributed much to our understanding of the southwestern North American Triassic-Jurassic, thorough regional study is needed. For example, we need to determine the Triassic-Jurassic boundary throughout the area. Further examples of stratigraphic problems awaiting solution by paleopalynology are the biostratigraphic position and geologic age of the upper part of the Chinle Formation (late Triassic?) in Arizona, New Mexico and Utah, and the correlation of the Chinle with the Dockum Group and Eagle Mills Formation of Texas and New Mexico. None of the previous palynological work has been comprehensive. New localities for palynological study have been discovered by the Penn State-Weber State Triassic project, and a broad scale paleopalynological survey is now feasible. The Weber State (Professor S. R. Ash)-Penn State cooperation is especially significant because it provides megafossil comparative data and up-to-date field information about new outcrops, etc.

A broad scale, regional palynostratigraphic survey of the southwestern Triassic-Jurassic continental beds will be undertaken by Mr. Litwin for

Hunt Institute for Botanical Documentation

his Ph.D. dissertation. He is now just completing a M.Sc. thesis on *in situ* spores of some fossil ferns from the Petrified Forest National Park, and on the palynostratigraphy of the Chinle section from which the ferns came. (cf. also Litwin *et al.*,1980; Ash *et al.*, 1982). He works under my direction in the palynological laboratories of the Pennsylvania State University, which are superbly equipped in every way for this sort of research. Support is sought for the necessary field work and for some sorts of laboratory costs that cannot easily be financed on university budgets.

Alfred Traverse, Professor of Palynology
Palynological Laboratories
435 Deike Building
Pennsylvania State University
University Park, PA 16902

Proposal budget for work outlined above

1.	mileage	7000 mi. x .30/mi.	$2100.00
2.	maps	7½' geologic maps Arizona, N. Mex.,Utah	100.00
3.	travel	21 days @ $50/day	1050.00
4.	Scanning Electron Microscope time	40 hours @ $17/hr.	680.00
5.	photographic film & supplies		300.00
		Total	$4230.00

Hunt Institute for Botanical Documentation

Literature cited in proposal

Ash, S.R., R.J. Litwin & A. Traverse, 1982 (in press, Palynology 6). The Upper Triassic fern Phlebopteris smithii (Daugherty) Arnold and its spores.

Dunay, R.E., 1972. The palynology of the Triassic Dockum Group of Texas, and its application to stratigraphic problems of the Dockum Group. unpub. Ph.D. thesis, Pennsylvania State University, 370 pp.

_____ & M.J. Fisher, 1979. Palynology of the Dockum Group (upper Triassic), Texas, U.S.A.: Rev. Paleobot. Palynol. 28:61-92.

_____ & A. Traverse, 1971. Preliminary report on Triassic spores and pollen of the Dockum Group, Texas Panhandle: Geoscience & Man 3:65-68.

Gottesfeld, A.S., 1971. Paleoecology of the Chinle Formation in the Petrified Forest National Park, Arizona. unpub. M.S. thesis, University of Arizona, 87 pp.

_____ , 1975. Upper Triassic palynology of the southwestern United States. unpub. Ph.D. thesis, University of California, Berkeley, 219 pp.

Litwin, R.J., A. Traverse & S.R. Ash, 1980 (abstract). Spores from compressed fern megafossils of the Chinle Formation--a preliminary report. A.A.S.P. 13th Annual Mtg., Program & Abstracts, p. 23.

Stone, J.F., 1978. Pollen and spores. In: Ash, S.R., Geology, Paleontology and Paleoecology of a Late Triassic Lake, Western New Mexico: Brigham Young Univ. Geol. Studies 25 (2):45-59.

Hunt Institute for Botanical Documentation

6 April, 1982

Mr. Peter Groth
Amoco Production Co.
2506 Security Life Ins. Bldg.
Denver, CO 80202

Dear Pete:

Thanks for your help re possible funding for graduate students. Actually, it sounds grim, eh? General and "to the university" (or even "to the department") will never help an individual professor. Instead it will pour into the same coffer with other "unrestricted funds". Proposals from a particular student and his professor seem a better idea, but I am not clear as to how we could best qualify under the "regional interest" qualifier. Are there particular projects on which a candidate here could work that would be helpful to Amoco and thus increase likelihood of support? Or could you advise whether any and if so, which, of our projects would so interest Amoco? (Lower Silurian of NE USA; Triassic-Jurassic of N. Amer.; Neogene of Black Sea Basin).

Thanks for your help. Best regards.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

P.S. Would you thank Mr. Ecker for his help also?

Hunt Institute for Botanical Documentation

Amoco Production Company
Denver Region
Amoco Building
17th & Broadway
Denver, Colorado 80202
303-830-4040

February 25, 1982

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

Dear Al:

I appreciate your predicament in the face of federal, state and University budget cuts. The economy and political philosophy certainly is a stark realization to all of us. We at Amoco are not riding high, but faced with severe budget restrictions ourselves in response to national and international conditions (check our stock plummeting).

We have several avenues through which Standard Oil of Indiana supports academia. I asked our education coordinator, George Ecker, to respond to your aid request by sending you information on these programs. This information will allow you to pursue all potential leads.

Our regional office is operationally oriented, and thus it is difficult to indepently support university efforts. The exception is support for particular theses which we can justify on the basis of regional interest. This minor support (+ $3000) may be given (through a geology department) to students that submit a thesis proposal and itemized proposed expenditures. Theses proposals should be directed to Mr. George Ecker of this office. He will direct them to us, or to other regions if the subject is within their operations. Application for summer employment should also be directed to Mr. Ecker; immediately for the 1982 field season.

I hope you receive my response positively, realizing large companies are subject to organization designed to be both efficient and fair to all support requests. I will try to assist you with my humble support when Mr. Ecker approaches us for recommendations on your proposals.

Best Wishes,

Pete Groth
Project Paleontologist

Hunt Institute for Botanical Documentation

15 February, 1982

Dr. Peter Groth
Amoco Production Co.
1670 Broadway
Denver, CO 80202

Dear Pete:

As you doubtless have heard and read, government sources of funding for university research, and thus for graduate student support, have shrivelled or even in some instances disappeared. Because undergrad enrollment is dropping, the backup source of funding for graduate students, which is teaching-assistantships, is also shrinking.

Inasmuch as my Ph.D. and M.Sc. students more often than not end up as employees of companies such as yours, I write to inquire whether it would not be appropriate for Amoco to help in some way with this problem. For example, could Amoco provide a grant-in-aid for graduate student research, or fund a research project that would provide among other things an assistantship for a graduate student, or fund a graduate fellowship? Also important, could Amoco provide help for our lab toward the purchase of pieces of equipment that during my 16 years here almost always have come from the National Science Foundation: centrifuges, microscopes, etc.? It may surprise you to learn that most universities are not able to provide such things for the research of the faculty. In fact, about all the university does regularly provide is teaching equipment, a place with heat and light, and a (however inadequate) salary. Given the mood of state legislators, one must be grateful even for these favors.

Well, do let me hear about what if anything your company could do, and to whom and how application should be made.

Thanks very much.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

Hunt Institute for Botanical Documentation

17 June, 1980

Mr. Peter Groth
Amoco Production Company
2506 Security Life Ins. Bldg.
Denver, CO 80202

Dear Pete:

Thanks for yours of 15 April, which has been read long ago and has become part of my file on mounting media--a subject with which I have dabbled for years (in one of his papers Tschudy credits me with introducing AYAF as a mountant, which is true, but I never used it). I especially appreciate Elvacite RI and other data!

No--I understood what you do with PVA very well from your previous letter. Nevertheless there is the problem of what means to use to store back-up residues--I have a very large collection of these. Many paople who use PVA as a primary mountant seem to use water for storage. If a way could be found to prevent evaporation that would be o.k.; don't you have such a problem? Your info that PVA "deteriorates with age" (albeit not as fast dry) is distressing. Even glycerine jelly lasts more than "10 years" if well curated.

Why couldn't water soluble cellosize or cellosolve be used as a primary mountant in the same way you use PVA? I would appreciate reaction when you get time.

All the best.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

P.S. I have a worry about your Elvatite: years ago when I last had a big push on this, I discovered that Lucite (a methacrylate product) attacks sporopollenin over time. Are you really sure Elvacite is inert?

Hunt Institute for Botanical Documentation

3 March, 1980

Mr. Peter Groth
Amoco Production Co.
2506 Security Life Ins. Bldg.
Denver, CO 80202

Dear Pete:

The nice present of Elvacite and polyvinyl alcohol and (I am slightly incredulous) "Classic Car Wash" came some time ago. All of this will be useful to me in my ongoing (25 years so far) study of mountants. I hope I can remember to acknowledge you liberally if I use any of your data! At the moment, I have a slug of questions:

1. In your enclosed note, you say that you are locating data on the Elvacite-type, source and optical properties. Have the data turned up? (Especially index of refraction.)

2. The PVA is the primary mountant, and its index of refraction is therefore critical--do you have it?

3. If I were to go to the "double-mounting" system, I have to store residues in <u>something</u>--how does PVA work for this?--i.e., how practical is it to keep residues in tightly stoppered vials of PVA! Does it evaporate badly?

4. Have you tried other things for the 1° mountant?--e.g., other PVAs, cellosolve, cellosize, etc.?

I really appreciate your help. As I said above, I have worked on mountants for nearly my whole professional career and have never been satisfied with any of them. Difficulty of residue-storage in anything but glycerin jelly is <u>one</u> problem.

Best wishes. Hope to hear from <u>you</u> more promptly than I responded. Winter Term (Nov.-Mar.) is a killer.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

Hunt Institute for Botanical Documentation

8-V-70

Dear All,

Best Wishes from Linda and myself.
Stop out to see us if you ever come
through Denver.

Pete Groth

Hunt Institute for Botanical Documentation

July 24, 1970

Dr. Carla Gruas
Labor. Palynologie
Faculté des Sciences
St. Jerôme
13-Marseille, France

Dear Dr. Gruas:

I have recently seen reprints of several of your papers, and I would very much appreciate having copies of whatever you can spare on Tertiary palynology, especially your paper from the Colloque sur l'Éocène. I am enclosing several reprints which may be of interest to you.

Yours very truly,

Alfred Traverse
Professor of Geology and Biology

AT/mrw

Hunt Institute for Botanical Documentation

XXXXXX

April 14, 1976

Dr. Eberhard Grüger
Abt. für Palynologie, Universität
D34 Göttingen, Untere Karspüle 2
Germany

Dear Dr. Grüger:

Thank youuso much for the parcel of reprints which arrived recently. I am delighted to learn of the work in Illinois, as we still have entirely too little data on the late Pleistocene and Post Glacial pollen picture in our country, and the more information obtained, the more meaning future studies will have. I am also very interested in your work in the Adriatic Sea because of mine in the Black Sea, which is coming along quite well. I will keep you posted. Best wishes and again thanks.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT:jb-

Hunt Institute for Botanical Documentation

July 16, 1969

Dr. Eberhard Grüger
Botanishces Institut
7000 Stuttgard-Hohenheim
West Germany

Dear Dr. Grüger:

Thanks for the two interesting papers on interglacial and post-glacial palynology. Under separate cover I am sending a few reprints which you may find of value.

Best wishes for your work.

Yours very truly,

Alfred Traverse
Associate Professor of Geology
and Botany

AT:kwc

Hunt Institute for Botanical Documentation

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

I N T E R O F F I C E M E M O

Date: 5 September, 1991

To: Linda Gruhn

From: Alfred Traverse

Subject: Update for Geosciences brochure

(changes shown in *italics*)

Alfred Traverse, Ph.D. (Harvard)

An expert in palynology of sediments, Al Traverse has emphasized the biostratigraphic, evolutionary, and sedimentological aspects of his field. He is also interested in *[omit "development of"] palynological-paleobotanical* systematics and *in* paleoecological interpretations of palynologic data.

[omit Traverse, 1987 entry]

Traverse, A. 1988. Paleopalynology. Unwin Hyman *[omit /]*Ltd., London. *600 [not 750]* pp.

Traverse, A. 1988. Plant evolution dances to a different beat. Historical Biology *1, 277-301 [omit "in press"].*

Traverse, A. 1990. Studies of pollen and spores in rivers and other bodies of water, in terms of source-vegetation and sedimentation, with special reference to Trinity River and Bay, Texas. Review of Palaeobotany and Palynology 64, 297-303.

Hunt Institute for Botanical Documentation

1 December, 1981

Alfred Traverse

Paul Grun

re: AIBS

Thanks for your undated memo, which just arrived. I have no idea whether the paleobotanists "should" have a banquet--only they can judge whether it would go. I had vaguely thought in terms of, say, a barbecue at the Civil Engineering Camp, which is what I arranged for the palynologists (and it was great!) convention--the conference center can set that up, BUT some other element of AIBS may already have such all booked! If this is desired, one would have to act with dispatch!

In response to the other part of your question, no, I certainly had no concrete plans and have done nothing. I would think we have to have some direction from PS-BSA first? I have had none.

cc: D. Dilcher

Hunt Institute for Botanical Documentation

Ca 30 Nov. 81

From: Paul Grun Paul

To: Al Traverse

The question came up of whether the Paleobotanical Section of the Botanical Society should plan a banquet, and Dave Dilcher suggested I confer with you to find out whether you were making any plans for a Paleo-Botanist's banquet during the AIBS meeting. There is no point in planning two, and if you are making plans for something of this sort, I, of course, won't. If you are not, on the other hand, I should start the process rolling. What are your feelings on this?

Hunt Institute for Botanical Documentation

THE PENNSYLVANIA STATE UNIVERSITY
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435 Deike Building
University Park, PA 16802
phone: 814-863-3419; fax: 814-863-7823

17 April, 1991

Dr. Jeffrey J. Gryta
Dept. of Geosciences
Edinboro University
Edinboro, PA 16444

Dear Jeff:

We processed your sample with HCl-HF and heavy-liquid separation. From 35 g. we obtained a very tiny organic residue, which contained Devonian spores (if I were doing it again, I'd use 80 g.). From your letter (of 12.III.91) and our discussion, I thought I might find tasmanitids, but there were none. Instead, we got spiny acritarchs, plus an assortment of land plant spores, and wood fragments with tracheid structure, meaning a nearshore marine environment. The spores are mostly poorly preserved, but if one processed a larger sample to get a larger organic residue, I feel sure that with enough labor, one could find definitive specimens and obtain a dependable age. Frankly, despite your Dev./Miss. suggestion, the spores look Siegenian or so. On the basis of 30 minutes" microscopy that's just a guess, but I saw no late-Middle to Late Devonian forms among several hundred spores examined. I feel fairly confident of pre-Givetian.

Best regards.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

Hunt Institute for Botanical Documentation

Jeffrey J. Gryta
Dept. of Geosciences
Edinboro Univ. of PA
Edinboro, PA 16444

March 12, 1991

Dear Dr. Traverse:

Let me thank you in advance for agreeing to examine the enclosed rock sample and slide for their spore(?) content. Under magnification, you will find possibly one intact specimen and several fragments positioned on the slide with water soluble glue. My student recovered these specimens by first gently crushing a portion of the rock enclosed and then treating it with peroxide. The residue was then separated for its heavy content. I believe these spore-like pieces were ultimately found within the heavy fraction. If needed and because of their glazed appearance due to gluing, you could remove them from the slide for examination. We haven't found any others stratigraphically below or above the layer from which this rock sample was taken. Perhaps we haven't been using the correct extraction procedure. After your examination, could you please send some of these spores back to me as I would like to photograph them on behalf of my student. If this is not possible, your interpretation will be enough.

You may not have much to work with, but I would like to know anything that you can tell me--what they are, their geologic implications, etc. As I mentioned to you during our phone conversation, I am eager to know anything about the stratigraphic column that I am presently mapping here in northwest PA. Presently, I am not yet prepared to be very specific about the overall environment of deposition. Let's simply say for the moment that these spores were sampled from an offshore marine setting (probably Dev./Miss.). Thanks once again for your help.

Sincerely,

Jeff Gryta

Hunt Institute for Botanical Documentation

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

18 March, 1991

Dr. Jeff Gryta
Department of Geosciences
Edinboro University of Pennsylvania
Edinboro, PA 16444

Dear Jeff:

Your slide and rock sample arrived ok. I do not often look at palynomorphs by reflected light. I did look at your slide that way, of course. The "things" there could be palynomorphs, but I'm not sure. The correct procedure is to dissolve the minerals of the rock with appropriate acids (usually HCl and HF), as described in my book, Paleopalynology. I return your slide herewith. It is better to process the rock sample the right way, to see what's there. This we will do. I'll get back to you.

Best regards.

Yours very truly,

Alfred Traverse

AT/et
encl: slide

Hunt Institute for Botanical Documentation

Jeffrey J. Gryta
Dept. of Geosciences
Edinboro Univ. of PA
Edinboro, PA 16444

March 12, 1991

Dear Dr. Traverse:

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You may not have much to work with, but I would like to know anything that you can tell me--what they are, their geologic implications, etc. As I mentioned to you during our phone conversation, I am eager to know anything about the stratigraphic column that I am presently mapping here in northwest PA. Presently, I am not yet prepared to be very specific about the overall environment of deposition. Let's simply say for the moment that these spores were sampled from an offshore marine setting (probably Dev./Miss.). Thanks once again for your help.

Sincerely,

Jeff Gryta

Hunt Institute for Botanical Documentation

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435 Deike Building
University Park, PA 16802

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

Frau Dr. Sabine Gubatz,
Abt. Prof. Wiermann
Botanisches Institut
Schloßgarten 3
4400 Münster, BRD

den 7. November 1988

Sehr geehrte Frau Dr. Gubatz!

Ob "Dr." richtig ist habe ich keine Ahnung, aber so viel Zeit ist verstrichen, daß es wahrscheinlich klappen wird!

Es tut mir wirklich leid erst heute zu entdecken, daß ich Ihren interessanten und freundlichen Brief vom 28.12.87 noch nicht beantwortet habe. Gestern beschäftigte ich mich mit meiner Haufe von Publikationen usw., die ich seit langem auf dem Schreibtisch zu Hause habe liegen lassen. Unter alles habe ich Ihren Brief entdeckt, auch die Veröffentlichungen u.a. von Niester, und Osthoff und Wiermann.

Es hat mich besonders gefreut, einen deutschsprachigen Brief zu bekommen. Wie Sie wissen, habe ich schwer gearbeitet, Deutsch zu lernen. Leider gibt es selten Gelegenheiten mein Deutsch zu üben.

Es wäre jetzt wahrscheinlich nur vom geschichtlichen Standpunkt interessant, aber ich lege eine Xeroxkopie meiner alten Arbeit über Sporopollenin bei, wie Sie gewünscht haben. Inzwischen ist mein Lehrbuch über der Palynologie (Paleopalynology--Unwin/Hyman U.K.) veröffentlicht, und ich habe darin ein paar Wörter über Sporopollenin geschrieben, die Sie interessieren könnte. Ich habe noch ein großes Interesse für Sporopollenin und ich möchte mit Ihnen in Verbindung bleiben.

mit freundlichen Grüßen

Ihr

Alfred Traverse
Professor für Palynologie

Hunt Institute for Botanical Documentation

P.S. Ich lege auch eine Kopie eines Manuskripts bei, das Dr. Given nur ein paar Wochen vor seinem Tod an "Organic Geochemistry" geschickt hat. Ich weiß nicht was mit diesem Artikel geschehen ist.

AT/et
Anlagen

Hunt Institute for Botanical Documentation

Münster, 28.12.87

Sehr geehrter Herr Professor Traverse !

Heute finde ich nun endlich die Zeit, Ihnen wie versprochen zu schreiben. Bei unserer Begegnung während des Kongresses in Berlin nahmen Sie jede Gelegenheit wahr, deutsch zu sprechen. Ich hoffe daher, daß es Ihnen recht ist, wenn ich diesen Brief in deutscher Sprache abfasse.
Besonders danken möchte ich Ihnen, daß Sie Herrn Goth vom Forschungsinstitut Senckenberg auf unsere Arbeit am Sporopollenin aufmerksam gemacht haben.
Wir sind inzwischen in einen Briefwechsel eingetreten. Es ist wichtig, das eigene Arbeitsgebiet aus einem anderen Blickwinkel zu sehen, und die geologisch-paläontologischen und geochemischen Arbeitsmethoden unterscheiden sich von der Arbeit am lebenden System deutlich.
Diesem Brief werde ich zwei Sonderdrucke neuerer Arbeiten aus unserer Gruppe beilegen. Falls Ihrerseits Interesse an einigen der beschriebenen Methoden besteht, werden wir Sie natürlich gerne weiter informieren.
Auf dem Kongress in Berlin erwähnten Sie eine nicht veröffentlichte frühe Arbeit über Sporopollenin. Wir wären sehr gespannt, davon mehr zu erfahren, falls dies möglich ist. Eine kurze Notiz aus dem American Journal Of Botany aus dem Jahre 1968 (What Is Sporopollenin), in der Sie über Ihre Arbeiten an Beta vulgaris Pollen berichten, hat mich sehr neugierig gemacht, einmal wirklich etwas Anderes über Sporopollenin zu lesen.
Leider konnten wir uns in Berlin nicht mehr verabschieden . Ich hoffe , daß die Reise, die Sie nach dem Kongress unternehmen wollten , angenehm verlaufen ist und neue Eindrücke vermittelt hat.
Mit freundlichen Grüßen, auch von Herrn Professor Wiermann, und den besten Wünschen für ein gutes und erfolgreiches Neues Jahr bin ich Ihre

Sabine Gubatz

Gubatz

Hunt Institute for Botanical Documentation

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

I N T E R O F F I C E M E M O

Date: 12 August, 1992

To: Al[bert] Guber

From: Al[fred] Traverse AT

Regarding the senior thesis, I would like to record that I am, of course, delighted to supervise any student who wants to undertake a thesis in palynology or paleobotany. I would presume that would mean that the student would have taken 420 and/or 423. The thesis could be on a stratigraphic-geochronologic project growing out of the semester project in 423, or a sedimentologic study of palynomorphs in some area, or an aspect of plant evolution from either 420 or 423, or an analytical study of some particular fossil plant group or a study of the structure of a particular specimen or group of specimens, or just about any research dealing with plant megafossils or with fossil organic matter in sedimentary rocks generally.

microfossils or

AT/et

Hunt Institute for Botanical Documentation

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I N T E R O F F I C E M E M O

Date: 27 August, 1991

To: Al Guber

From: Alfred Traverse

Subject: Course listings for 1992-1993

Last time I went on sabbatical, my course listings got screwed up in my absence. I'd like to prevent that this time.

Here's the picture:

Spring Semester, 1992:
no offerings (this seems to agree with the course list, which is already out)

Fall Semester, 1992:
Geosc (Biol) 423

Spring Semester, 1993:
(this is where the problem occurred before):
Geosc (Biol) 420
Geosc (Biol) 526

Thanks for making a note of this.

AT/et

Hunt Institute for Botanical Documentation

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

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: 28 September, 1987

From: A. Traverse

To: A. Guber

Re: Want-list for teaching: additional IMPORTANT item

As I related earlier today, one of the clinical centrifuges used for teaching 420, 423 and 526 has suddenly failed---I know from previous experience that they can't be repaired. All we need is the drive-unit, as the accessories, though corroded, are still serviceable. If there is a choice, this now is no. 1 priority. (But the fossil storage cabinet for 420 and 002 is still something we badly need.)

Ordering information:

One 2509-A05 centrifuge drive unit, 120 volt (IEC #428)

Price: $555

Source: Thomas Scientific
P.O. Box 99
Swedesboro, NJ 08085-0099
(609)-467-2000

AT/et

Hunt Institute for Botanical Documentation

THE PENNSYLVANIA STATE UNIVERSITY
DEPARTMENT OF GEOSCIENCES
PALYNOLOGICAL LABORATORIES
435 Deike Building
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(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: 22 September, 1987

From: A. Traverse

To: A. Guber

Re: Want-list for teaching

As you requested, here are the particulars for a fossil storage cabinet which I need for teaching Geosc 002, 423 420.

The ideal item is Wards 30 W 9509 (wheat) @ $360, plus 16 drawers for it @ $19 = $304. Total cost is $664. The address is:

Ward's Natural Science Establishment, Inc.
5100 West Henrietta Road, P.O. Box 92912
Rochester, NY 14692-9012
(order toll free: 1-800-962-2660)

AT/et

Hunt Institute for Botanical Documentation

THE PENNSYLVANIA STATE UNIVERSITY
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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: 6 May, 1987

From: A. Traverse

To: A. L. Guber

Re: "equipment wish"

I don't know whether this would count as "equipment", but if it did, I need a lockable cabinet for storage for teaching fossils (for all of my courses, but especially for certain items used in GEOSC 002, such as skulls, skeletons, etc.) I haven't priced one lately, but the sort of thing I have in mind costs about $600.

AT/et

Hunt Institute for Botanical Documentation

THE PENNSYLVANIA STATE UNIVERSITY
DEPARTMENT OF GEOLOGY AND GEOPHYSICS
INTER-OFFICE CORRESPONDENCE

DATE. January 10, 1972

FROM. Albert L. Guber, Assoc. Prof. Geosciences

TO: Faculty with interests in the Marine Sciences

The Marine Science Consortium, of which Pennsylvania State University is a member, is preparing a directory of their personnel active in teaching and/or research in marine sciences and related areas. As Penn State's Director to the Marine Science Consortium, I have been asked to obtain the curriculum vitae of all those individuals at Penn State who are involved with the marine sciences and related areas. In order to meet this request, I would appreciate it if you would complete the following questionnaire and please return it to me as soon as possible.

Enclosed you will also find a list of faculty to whom this questionnaire is being sent. If you know of other individuals who should receive this form but are not on the mailing list, please send me their names.

Hunt Institute for Botanical Documentation

CURRICULUM VITA FOR DIRECTORY USE BY THE MARINE SCIENCE CONSORTIUM

NAME ALFRED TRAVERSE TITLE PROFESSOR OF GEOLOGY

DEPARTMENTS GEO SCIENCES & BIOLOGY PHONE 545-2342 & BIOLOGY

BIRTH DATE 7-IX-25 CAMPUS MAIL ADDRESS DEIKE 529

EDUCATION: S.B. HARVARD
A.M. HARVARD
PH.D. HARVARD
M.DIV. EPISCOPAL THEOLOGICAL SEM. OF SW

COURSES TAUGHT IN MARINE SCIENCES AND RELATED AREAS:

PALYNOLOGY : GEOL. (BIOL) 423

PUBLICATIONS IN MARINE SCIENCES AND RELATED AREAS:

1) A. TRAVERSE & R.N. GINSBURG, 1966. Palynology of the surface sediments of Great Bahama Bank as related to water movement and sedimentation. Marine Geology 4: 417-459.

2) _____, 1967. Pollen and associated microfossils in the marine surface sediments of the Great Bahama Bank. Rev. Palaeobot. & Palynol. 3: 243-254

3) A. Traverse, in press. Palynological Investigation of WHOI Black Sea cores 1974-15 & 1974-17 in Woods Hole Black Sea Coll.

OTHER ACTIVITIES IN MARINE SCIENCES AND RELATED AREAS (CRUISES, COMMITTEES, SEMINARS, EDITING, ETC.):

EDITOR, CATALOG OF FOSSIL SPORES & POLLEN

RESEARCH INTERESTS IN MARINE SCIENCES AND RELATED AREAS:

SEDIMENTATION OF PALYNOMORPHS

Please return to A. L. Guber, 309 Deike.

Hunt Institute for Botanical Documentation

Please note change

MARINE SCIENCES FACULTY MAILING LIST

S. S. Alexander	Geophysics
J. Allen, Jr.	Aerospace Eng.
E. D. Bellis	Biology
B. H. Bissinger	Math (Capitol)
A. K. Blackadar	Meteo
C. Bursey	Biology (Shenango Valley)
R. J. Cuffey	Geology
W. A. Dunson	Biology
L. Eagleton	Chem Eng.
H. D. Gerhold	Forestry
D. P. Gold	Geology
A. Guber	Geology
C. J. Hillson	Biology
B. F. Howell	Geophysics
H. Panofsky	Meteo
S. Patton	Food Sci.
H. Rothanbacher	Vet Sci.
R. F. Schmalz	Geology
A. Traverse	~~Geology~~ Geosciences & Biology
R. Unz	Microbiol
R. Wagner	Biology
J. N. Weber	Geology
E. G. Williams	Geology
R. Lee	Food Sci.

AL: Also suggest you update your stationery! — Dept name is wrong.

Al T

Personnel at the Ordinance Research Laboratory

M.M. Sevik

H. Tennekes

Hunt Institute for Botanical Documentation

6 May, 1982

Dr. G. K. Guennel
6845 Penrose Court
Littleton, CO 80120

Dear Joe:

Thanks so much for yours of 26-IV re the Gray article. It is good to know that you had given her quite a severe critique. However, even you apparently didn't notice that the article by Strother and me, in which every single one of the things she illustrates had previously been described, and most of them named, was not referenced or even mentioned, though I know she was aware of it. That is very questionable science. However, you and I are good old friends, and I don't think we should waste any more hot air on that! Strother and I are planning to blister her in print about the whole paper and its ridiculous 'publicity stunt' nature.

Good to hear that you're "got it made" in life. Wow! I am not sure I can ever afford to retire (in real terms I make no more than when I came here 16 years ago).

People who live in CO have to be careful about issuing invitations!--some get taken up. I could sure use conversation with Hilda to practice my German--I got pretty good in Switzerland (even lectured auf Deutsch). Betty is now studying it--she's taking "German 3" at the moment.

If you could help us get some graduate student support from Marathon it would be very good news, needless to say. Would it help to have a specific project from a specific student? Please keep us in mind. One of my six students next year will have an NSF fellowship. That leaves me with only five to help! Biology will pick up one on a teaching assistantship, and Geology one other, if need be, but I am really scraping barrels.

All the best to you and your wife.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

Hunt Institute for Botanical Documentation

21 April, 1982

Dr. G. K. Guennel
Marathon Oil Co.
P.O. Box 269
Littleton, CO 80120

Dear Joe:

I notetthat you were a reviewer of Jane Gray's recent paper in Geology. What did you think of the fact that she didn't reference (or even mention) the paper in which most of the very same taxa were formally described and named (Palynology 3:1-21, 1979)? It seemed peculiar.

Hope you're thriving, old friend.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

Hunt Institute for Botanical Documentation

15 February, 1982

Dr. G. K. Guennel
Marathon Oil Co.
P.O. Box 269
Littleton, CO 80120

Dear Joe:

As you doubtless have heard and read, government sources of funding for university research, and thus for graduate student support, have shrivelled or even in some instances disappeared. Because undergrad enrollment is dropping, the backup source of funding for graduate students, which is teaching-assistantships, is also shrinking.

Inasmuch as my Ph.D. and M.Sc. students more often than not end up as employees of companies such as yours, I write to inquire whether it would not be appropriate for Marathon to help in some way with this problem. For example, could Marathon provide a grant-in-aid for graduate student research, or fund a research project that would provide amongoother things an assistantship for a student, or fund a graduate fellowship? Also important, could Marathon provide help for our lab toward the purchase of pieces of equipment that during my 16 years here almost always have come from the National Science Foundation: centrifuges, microscopes, etc.? It may surprise you to learn that most universities are not able to provide such things for the research of the faculty. In fact, about all the university does regularly provide is teaching equipment, a place with heat and light, and a (however inadequate) salary. Given the mood of state legislators, one must be grateful even for these favors.

Well, dddet met hear about what if anything your company could do, and to whom and how application should be made.

Thanks very much.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

Hunt Institute for Botanical Documentation

February 15, 1968

Dr. C.K. Guennel
Marathon Oil Company
Littleton, Colorado 80120

Dear Joe:

Thank you for your letter of 9 February. I can understand that you are puzzled by the bill, and I hope that this letter will help clarify any misunderstanding.

Marathon Oil Company is listed in the *Catalog* as a patronage subscriber and previously has paid us the $250 annual patronage subscription—for example, we have on file a letter of 24 December, 1964, from R. Dana Russell for W. Jacque Yost, conveying to us a check for $250 for 1965. As you may remember, the subscribers for 1965 were somewhat shortchanged, so when I came here in early 1966, it was decided to have the patronage subscriptions for 1965 carried through 1966 or to be more exact, through Vol. 26 (which actually appeared in 1967).

When Vol. 27 was shipped out, we billed all patronage subscribers for 1967 (which we are interpreting locally to mean Vols. 27, 28, 29 and 30 of the *Catalog*--whenever they may finally appear). While it is true that Marathon did not specifically take out a patronage subscription for 1967, neither did the company reply negatively to our letter early in 1967.requesting renewal. I believe it is standard procedure to assume the subscriptions are in force unless the subscriber asks that they be canceled. We have in fact listed Marathon as a patronage subscriber in Vol. 27 and the company is also listed as a patronage subscriber in Vol. 28 which is currently in press and in Vol. 29 which is in review. Therefore, we would regard it as encouraging if you could persuade your company to endorse our activities in the form of a check for $250 for the year 1967. If this is impossible, please let us know immediately so that we can strike Marathon's name from the list of patronage subscribers in the published volumes. Also if this most unfortunate decision is reached, we would appreciate the return of both options of Vol. 27 which were shipped to you.

Hunt Institute for Botanical Documentation

According to our records we have been sending two copies of each volume to Marathon, Littleton, which is the normal complement for a patronage subscriber. One of these cppies (Option A) has been going to you; the other (Option D) has been going to John L. Wray. You should not have received any personal complimentary copy of Vol. 27 because of the disbanding of the Advisory Committee. In other words, if you want to continue to receive a personal copy of the *Catalog*, you will need to subscribe. I believe it is clear from the forgoing that the $250 has nothing to do with the personal copy for you.

Heavens to Betsy! What a complicated situation! I do hope that it does not seem that I am unappreciative of all the help that you have rendered the *Catalog* all of these years. It is merely that the financial situation of *Catalog of Fossil Spores and Pollen* is extremely precarious indeed, and I am finding it necessary to be quite hard-nosed if I am to make it a going concern on its on footing.

With all good wishes and the sincere hope that this letter will result in a check for $250 for 1967 from Marathon and a personal subscription from you, I am

Yours very truly,

Alfred Traverse
Editor
Catalog of Fossil Spores and Pollen

AT:kwc

Hunt Institute for Botanical Documentation

MARATHON OIL COMPANY DENVER RESEARCH CENTER

LITTLETON, COLORADO 80120

February 9, 1968

Dr. Alfred Traverse, Editor
Catalogue of Fossil Spores and Pollen
The Pennsylvania State University
University Park, Penna. 16802

Dear Al:

I received a bill for $250.00 dated 1-12-68. I'm somewhat confused. I hope you can clarify the situation.

Is that bill actually for a patronage subscription? If so, can you check your files to determine when Marathon Oil Company committed itself to such a patronage subscription? Marathon has been receiving two copies of the CFSP volumes published in 1967.

I have also been receiving personal copies as CFSP volumes appeared. I assumed that this was a continuation of the policy that existed for some time, namely that the members of the Advisory Committee, of which I had been a member until the Committee was disbanded, received a copy of each volume as it appeared. I hope that the aforementioned bill is not a bill for these personal copies.

Please check these things out and let me know your findings at your earliest convenience.

Best personal regards,

Joe Guennel

G. K. (Joe) Guennel

GKG:jz

Hunt Institute for Botanical Documentation

bcc

October 30, 1967

To: Drs. Barghoorn, Cross, Grayson, Guennel, Hoffmeister, Kosanke, Loeblich, Schopf, Stover, Wilson

Dr. G.K. Guennel
Marathon Oil Company
Littleton, Colorado

Dear Joe:

Beginning with Volume 28, we are planning to discontinue the Advisory Committee of the Catalog of Fossil Spores and Pollen. The Advisory Committee has served the Catalog faithfully and well, and those of us on the regular staff of the Catalog wish to express our thanks to all of you for a job well done. "CFSP" is now established on a fairly firm, permanent footing at Penn State, and we feel that it is no longer necessary to bother so many people with the various problems connected with publication of the Catalog. We hope that we can still continue to call on you less formally when advice is necessary.

Hoping to see each of you in person before long, I am

Yours very truly,

Alfred Traverse
Editor
Catalog of Fossil Spores and Pollen

AT:kwc

Hunt Institute for Botanical Documentation

THE PENNSYLVANIA STATE UNIVERSITY
ORGANIC SEDIMENTS LABORATORY
UNIVERSITY PARK, PENNSYLVANIA 16802

College of Mineral Industries
Department of Geology and Geophysics

Area Code 814
865-6545
865-6543

October 21, 1966

Dr. G.K. Guennel
Member, Advisory Committee, CFSP
Marathon Oil Company
Denver Research Center
Littleton, Colorado

Dear Joe:

Good to see you in Utrecht, even though you mistook me for my boss. Your comment on Bullaspores (or however it is spelled) keeps me smiling. Your wit is a great gift.

I have proposed elimination of Option C (punch-cards) of the Catalog effective with Volume 26 (almost ready) as a step toward expedition of the operations here. The subscribers have responded slowly but mostly favorably to a questionnaire. Few (if any) people use the punch feature anyway. Any comments?

Yours very truly,

Alfred Traverse, Editor
Catalog of Fossil Spores and Pollen

AT:le

Hunt Institute for Botanical Documentation

February 26, 1962

Dr. G. K. Guennel
The Ohio Oil Company
P. O. Box 269
Littleton, Colorado

Dear Joe:

Regarding your letter of February 19, 1962, I must tell you that there does not seem to be any reasonable expectation that we could help Dr. Potonie. I deduce that you are talking about the possibility of financial help for the good doctor and that would be quite out of the question. Of course, I should be delighted to see him if he is coming this way.

Since we are expecting an addition to the household just a couple of weeks before the conference, I am very doubtful about attending. In fact, I have practically decided not to attend.

Best wishes to both of you.

Very truly yours,

Alfred Traverse

AT:nw

bc: Dr. Traverse
Dr. Higgs

Shell Development Company
Exploration and Production Research Division

Hunt Institute for Botanical Documentation

The Ohio Oil Co.

DENVER RESEARCH CENTER
W. JACQUE YOST, RESEARCH DIRECTOR
L. C. GIBBONS, CHEMISTRY
W. P. McKINNELL, JR., ANALYTICAL
FRED H. POETTMANN, ENGINEERING
R. B. RICE, PHYSICS
R. DANA RUSSELL, GEOLOGY

P. O. BOX 269
LITTLETON, COLORADO

February 19, 1962

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

Dear Al:

Professor Potonie had asked me to assist him in lining up some speaking and/or consulting engagements in conjunction with his attending the Tucson meetings.

I'm wondering whether your lab would be interested in accomodating Sir Robert. There's a chance to have him make some stops in Texas just before the meetings, i.e. April 18-20, or after the Tucson shindig. He does want to visit the Grand Canyon area after the meetings and thus would not be available until May 1 or thereabouts.

Please let me know right away whether you are interested. I must get his itinerary finalized.

Best regards.

Sincerely,

C. K. Guennel

Hunt Institute for Botanical Documentation

The Ohio Oil Co.

DENVER RESEARCH CENTER
W. JACQUE YOST, RESEARCH DIRECTOR
L. C. GIBBONS, CHEMISTRY
W. P. McKINNELL, JR., ANALYTICAL
FRED H. POETTMANN, ENGINEERING
R. B. RICE, PHYSICS
R. DANA RUSSELL, GEOLOGY

P. O. BOX 269
LITTLETON, COLORADO

Aug. 15, 1961

Dr. Alfred Traverse
Shell Development Co.
Houston, Texas

Make appropriate addres change.

Dear Al:

This is to inform you that I have changed jobs. I'm in the process of establishing a palynology laboratory at the Ohio Oil Research Center.

Please address correspondence to me via:

The Ohio Oil Company
P. O. Box 269
Littleton, Colorado

With highest personal regards,

Yours sincerely,

G. K. Guennel

GKG:mew

Hunt Institute for Botanical Documentation

December 5, 1960

Mr. G. K. Guennel
Paleobotanist
Indiana Geological Survey
Indiana University
Bloomington, Indiana

Dear Joe:

Regarding yours of November 23, 1960, about the NSF Conference on Geobotany: I will be able to present a lecture or two, as you suggest. Will you give me more details as soon as possible about the area you wanted me to cover, etc.? I understand that no publication is involved. Examples of topics I would enjoy attempting to cover and which would contribute to my own education would be (1) the role of palynology in plant taxonomy, (2) the role of palynology in fields outside of paleobotany (allergy studies, studies of pollen), (3) Quaternary history of vegetation of North America, and (4) chemistry of pollen.

Yours as ever,

Alfred Traverse

AT:nw

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

Shell Development Company
Exploration and Production Research Division

Hunt Institute for Botanical Documentation

SD-32 (1/54)—Printed in U.S.A.

REFERENCE

SHELL DEVELOPMENT COMPANY

DATE 29-XI-60

TO Dr. Higgs

FROM A. Traverso

SUBJECT Attached letter

Jon:

If it could be cleared, I would enjoy taking a crack at this.

Since I'll be in Indiana for the annual paleobotanical meeting at the same time, no extra trip would be required.

A

5-XII-60 Approved, by DH — to be presented without optional clearance

Hunt Institute for Botanical Documentation

STATE OF INDIANA

HAROLD W. HANDLEY, GOVERNOR

DEPARTMENT OF CONSERVATION,
GEOLOGICAL SURVEY

INDIANA UNIVERSITY CAMPUS
BLOOMINGTON, INDIANA

TELEPHONE 6811

November 23, 1960

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

Dear Al:

Would you be willing and able to present a lecture or two at an NSF-sponsored CONFERENCE ON GEOBOTANY at Indiana University, Bloomington, Indiana, sometime between August 10 and August 26, 1961?

The Conference is for college teachers of botany, geology, geography, and conservation. Dr. Bartoo ran a similar Conference at Western Michigan in 1959.

A post card is enclosed for your convenience.

Thank you very much.

Sincerely yours,

Joe Guennel

G. K. Guennel,
Paleobotanist

P.S.

Al — Had to switch to pencil; had trouble with post cards taking the ink. How are things? Had expected to see you at the BSA meetings. Regards to Mrs. Traverse —

Joe

GKG:mcb

Enclosure

Hunt Institute for Botanical Documentation

November 29, 1960

Mr. G. K. Guennel
Indiana Geological Survey
Indiana University
Bloomington, Indiana

Dear Joe:

Amusingly enough, I had not noticed that Ted's distributed minutes did not show my election as Chairman of P.S.B.S.A. Your memory of the event is, however, quite correct.

As far as I can determine, it is within my jurisdiction to appoint you the P.S.B.S.A. delegate to the Commission Internationale de Microflore du Paleozoique, May 11-14, 1961, at Krefeld, Germany, and I am happy to do so. Will you let me know to whom to send a letter informing the proper international authorities of your appointment?

I would think that you should be expected to present at the Purdue meeting in August, 1961, a formal report as our delegate. The best way to do it would be as a paper on the program. You would submit a title in May to Ted, per usual, for inclusion in the program.

Looking forward to getting the address to which I should send your official appointment, I am

Very truly yours,

Alfred Traverse

AT:mpd

cc. Dr. Theodore Delevoryas
University of Illinois
Urbana, Illinois

Hunt Institute for Botanical Documentation

STATE of INDIANA

HAROLD W. HANDLEY, GOVERNOR

DEPARTMENT OF CONSERVATION,
GEOLOGICAL SURVEY

INDIANA UNIVERSITY CAMPUS
BLOOMINGTON, INDIANA

TELEPHONE 6811

Nov. 25, 1960

Dr. Alfred Traverse
Shell Development Corporation
Research Department
Houston, Texas

Dear Al:

Although the fact is not recorded in the Minutes of the 1960 Business Meeting of the Paleobotanical Section, Botanical Society of America, I do believe that you were elected to the chairmanship at the Stillwater seance.

Assuming that my memory is more efficient than Ted Delevoryas' ear and pen, I should like to ask you for a favor. Dr. Cady has been after me to attend some of the international meetings for years. I finally decided to give it a try. As things stand right now, there are three meetings scheduled in May. The Commission internationale de Microflore du Paleozoique is to meet May 11-14 at Krefeld, Germany, the International Committee on Coal Petrography meets from May 15-18 at Krefeld and Essen, Germany, and the Colloque sur la Science du Charbon is being held at le Touquet, France May 30-31.

As it would be helpful in obtaining some financial help (I'm thinking of NSF), I should like to get official sanction from American representative groups to attend these meetings as delegate. Can you and would you send me a statement to the effect that I am to serve as delegate of the Paleobotanical Section at the C.I.M.P. meetings ? I would like to attach said statements to my application when I submit it to NSF. Needless to say, I'm in a hurry and would therefore appreciate it very much if you could act on this at your earliest convenience.

Thanks a million, Al.

With best personal wishes,

Yours sincerely,

Joe Guennel

G.K.Guennel

P.S. If you have heard rumors that I have been negotiating with some oil companies re employment, believe them.

Hunt Institute for Botanical Documentation

GS2-1058-10M

GEOLOGICAL SURVEY COMMUNICATION
INDIANA DEPARTMENT OF CONSERVATION

TO:

DATE: March 25, 1959

FROM:

SUBJ:

Dear Al:

My apologies for delaying the shipment of samples. Lloyd Terrell quit and for some time we were without help. Then Neavel pretty much monopolized them new fellow with teaching him sectioning techniques. When the lad was finally turned over to me I had him ship the stuff out, pronto. Glad it arrived in fine shape.

Believe it or not, I can't find that fellow's name in my files and needless to say I can't remember it. I intend to go down there some time soon. How about letting me know what you want and I'll obtain them for you. You can go through regular channels and order them through Darrell Zink, Hindostan Whtestone Co., Box 501, Bedford, Indiana.

Regards to Mrs. Traverse, please.

Best wishes,

Hunt Institute for Botanical Documentation

March 19, 1959

Mr. G. K. Guennel
Coal Section
Indiana Geological Survey
Indiana University
Bloomington, Indiana

Dear Joe:

Thanks to all concerned for sending me the boxes of samples from last August's travels-- all arrived in grand shape.

The whetstone from Hopper Quarry has been much admired. Could you tell me how to write to the guy in Orange to order a few more? I can't even remember his name.

Best wishes as ever.

Very truly yours,

Alfred Traverse

AT:pjd

Shell Development Company
Exploration and Production Research Division

Hunt Institute for Botanical Documentation

12-8-52 M9

GEOLOGICAL SURVEY COMMUNICATION
INDIANA DEPARTMENT OF CONSERVATION

TO:

DATE: Sept. 29, 1958

FROM:

SUBJ:

Dear Al:

Shell overwhelmed me this morning with mail. This is to acknowledge receipt of the following: 1 air mail letter, 1 mimeo letter on field trip analysis, 3 items on Paleobotanical Section business, and 1 package containing the smart-looking labels. Thanks a lot for those labels. That's a great idea.

I take it that you are settled down again at Shell as I am here at the Survey. I'm furiously working to get Canright's paper out. Everything is going its normal path otherwise.

Please convey my best wishes to your wife and the boys from Shell, should you run across them.

As ever,

Joe Gruenel

Hunt Institute for Botanical Documentation

September 25, 1958

Mr. G. K. Guennel
Coal Section, Indiana Geological Survey
Indiana University
Bloomington, Indiana

Dear Joe:

The labels for the photos are on the way to you under separate cover. I put a label on my copy, and report that it looks very nice. The label just fits the vacant part of the print at the bottom. The thing is printed on dry-stick, which works like a Band-Aid, as you probably know.

The field trip blurb gets out soon.

Very truly yours,

Alfred Traverse

AT:mpd

Shell Development Company
Exploration and Production Research Division

Hunt Institute for Botanical Documentation

September 12, 1958

Mr. G. K. Guennel
Indiana Geological Survey
Indiana University
Bloomington, Indiana

Dear Joe:

Now that the smoke has cleared, I hope you have mostly happy memories about the paleobotanical invasion (to use the Vincennes' paper's term) of Indiana. I would like to say that I enjoyed the whole thing enormously, and that I very much wanted it to be a good experience for you too. I hope it was.

I am still waiting for my box of samples. I appreciate your getting them ready for shipment and am expecting them to arrive Railway Express - collect.

Yours very truly,

Alfred Traverse, Secretary
Paleobotanical Section, B. S. A.

AT:pte

Hunt Institute for Botanical Documentation

June 17, 1958

Mr. G. K. Guennel
Indiana Geological Survey
Indiana University
Bloomington, Indiana

Dear Joe:

Alas, there is only one copy of the program for last year's trip - the one in the records. I am sending it with the understanding that you'll return it when you're finished with it. We had many extra copies run off, but there have been a good many requests for it, for some reason. The "book" was issued in a manila folder, with road maps, topographic maps, etc. in pockets of the folder.

I had in mind a two-day trip, Friday and Saturday (so as not to run into the Sunday council meetings, such as B.S.A. Council, as we did last year). I am planning to go to Bloomington some time ahead, far enough so I can give you a hand with getting the guide books and maps together and make the trip in preliminary fashion with you. Last year I did this with MacGinitie, and we made the reservations for all meals and lodging at the same time. After coming back from the preliminary trip, we put together the guide book, maps, etc. We had the book duplicated by the University stenographic bureau. The Department of Paleontology at University of California footed the bill, though the Paleo. Sect. was ready and willing to pay and is again this year. (We could charge a registration fee of $1 or so to pay for maps, etc. - might be a good idea to do so in order to point up how much work this is). If you are able to get the program ready before I come to Bloomington, so much the better. I'm sure there will be lots of last minute leg work to do, especially with the somewhat larger crowd this year.

As to lodging, it seemed to me that returning to Bloomington Friday night would not be wise since we would be down in the Devonian-Mississippian region probably. I was thinking in terms of New Albany, Evansville, or whatever.

There will be several ~~paleontologists~~ palynologists along, and the peat bog would be an interesting stop. I think a Devonian and a Mississippian stop are essential, if possible to arrange. Perhaps it would be good for me to say also at this juncture that our experience last year was that one tends to overestimate how much can be done in a day. It is better not to be too rushed. (That's another value of the preliminary trip. We cut the tour somewhat after we tried it out ourselves, watch in hand!)

Hunt Institute for Botanical Documentation

Last year we found that the participants were very interested in the squibs that Mac inserted about vegetation and life-zones, etc. Of course, that was largely because the locale was California.

I should be in Bloomington about August 14th.

Hope this helps.

Very truly yours,

Alfred Traverse, Secretary
Paleobotanical Section, B.S.A.

AT:mpd

Enclosure

Hunt Institute for Botanical Documentation

January 31, 1958

Mr. G. K. Guennel
Indiana Geological Survey
Indiana University
Bloomington, Indiana

Dear Joe:

Good to see you and your set-up. I am especially happy that we can count on you to help with the paleobotanical field trip in August and for some sort of a contribution for the Paleozoic spore program at the meeting. You will hear more from me about those items when I have more information.

I find on looking in my reprint collection that I do not have a copy of the Pleistocene (or Recent) pollen work that you did at Butler. Can you spare one?

Best wishes to Mrs. G. and to the boys at the Survey.

Very truly yours,

Alfred Traverse

AT:ml

Shell Development Company
Exploration and Production Research Division

Hunt Institute for Botanical Documentation

November 15, 1957

Mr. G. K. Guennel
Indiana Department of Conservation
Geological Survey
Bloomington, Indiana

Dear Joe:

Jim Canright may have already spoken to you about the proposed field trip to precede the meetings of the Paleobotanical Section in Bloomington next year. This letter is to make it formal--we should like to have you work with Jim in leading the trip.

Judging by the response to our California trip, there is widespread support for a rather extensive trip. Jim is talking a 2-3 day trip, visiting Devonian-Pennsylvanian sites.

I will come up to Bloomington a week or so before the meeting, to help set up the trip, get out the guidebooks, etc.

Let me know what you think. It would perhaps be a good idea to talk with Jim about this, if you haven't already. He will tell you, I think, that the people who made the California trip found it very profitable and enjoyable. I think this will be an equally good chance to get acquainted in the Indiana-Kentucky region.

Very truly yours,

Alfred Traverse, Secretary
Paleobotanical Section, B.S.A.

AT:hmp

Hunt Institute for Botanical Documentation

STATE of INDIANA

HAROLD W. HANDLEY, GOVERNOR

DEPARTMENT OF CONSERVATION,
GEOLOGICAL SURVEY

INDIANA UNIVERSITY CAMPUS
BLOOMINGTON, INDIANA

TELEPHONE 6811

Nxxx Dec. 1, 1960

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

Dear Al:

Thanks for the prompt reply. How about the following? Send the letter to Professor Robert Potonie, Pres., Commission Internationale de Microflore du Paleozoique, Geologisches Landesamt, Philadelphia Strasse 156, Krefeld, Germany. The dates are May 11-14, 1961.

As I should like to attach a copy of your letter to my application for travel aid, I would appreciate it if you would send me two carbons, one to attach and the other for my file.

Needless to say, Al, I'll be more than glad to report at the Purdue meeting.

Thanks again, Al.

With best personal regards,

Sincerely yours,

Joe G.

G. K. Guennel

Hunt Institute for Botanical Documentation

file Guggenheim

22 November, 1982

Mr. S. L. Schlesinger
Secretary, John Simon Guggenheim Memorial Foundation
90 Park Ave.
New York, NY 10016

Dear Mr. Schlesinger:

Here are the completed forms for Drs. Ash and Pfefferkorn. You also ask for a "comparative judgment". That is hard to do, as each man has his advantages for this honor. Unquestionably, the fellowship would help Ash's research more, as he is really trapped where he is. Pfefferkorn's research is more innovative and could even be dramatically important. On the other hand, there is some risk that Pfefferkorn's research would fail because of numerous possible, some unforseen, even political factors, whereas Ash will undoubtedly find out a lot about Southern Hemisphere fossil cycads—his research is more routine and results are practically quaranteed, if the time is put in. Pfefferkorn will get research done whether he gets this award or not. Ash will unquestionably remain in North America. Pfefferkorn could well return one day to Germany. If being an ambassador for the USA is part of the picture, you might therefore favor Ash, though he is certainly not a jingoistic American. Pfefferkorn is the better known paleobotanist-geologist on the international scene. I hope you can honor both men, because it's a difficult choice!

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

Hunt Institute for Botanical Documentation

File

JOHN SIMON GUGGENHEIM MEMORIAL FOUNDATION

90 PARK AVENUE, NEW YORK, N.Y. 10016
TELEPHONE: MURRAY HILL 7-4470
CABLE ADDRESS: GUGMEMORA

September 13, 1971

MEMORANDUM:

Mr. Kenneth J. Hsü

has suggested to us that you may wish to make application for a Guggenheim Fellowship, and we accordingly send you herewith a statement concerning our Fellowships and a set of application forms.

Our Fellowships are awarded on the basis of a national competition. We can, therefore, give no assurances concerning the result of any application here. If you choose to enter the competition, we shall be pleased to receive your application.

Gordon N. Ray

Gordon N. Ray
President

Mr. Alfred Traverse
Department of Geology
Pennsylvania State University
University Park, Pennsylvania

Hunt Institute for Botanical Documentation

CATALOG OF FOSSIL SPORES AND POLLEN

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



THE
INTERNATIONAL COMPENDIUM
OF
PALYNOLOGICAL SYSTEMATICS

August 1, 1967

Dr. John E. Guilday
112 McGiniley Drive
Glenshaw, Pennsylvania 15166

Dear John:

Your letter of the 25th of July awaited me on my return from a recent field trip to Texas. I am going to be here for a few days more, to clear the desk of correspondence and all that sort of thing, and then I have been prevailed upon by my family to take them on a many times postponed vacation trip of a couple of weeks. I should be back here about August the 18th. It is, therefore, obvious that I could not make it to New Paris during the third week in August, but I certainly would very much like to see the locality and I am looking forward to hearing from Frank Potter about the arrangements. It is interesting to know that he is a palynology student because I have yet to meet him, in fact until your letter came I had never heard of him. Please do keep me in mind regarding possible collaboration between us.

Very best wishes to you.

Yours very truly,

Alfred Traverse
Associate Professor of Geology

AT:kaw

Hunt Institute for Botanical Documentation

CARNEGIE MUSEUM
DEPARTMENT OF THE CARNEGIE INSTITUTE
PITTSBURGH, PENNSYLVANIA 15213, U. S. A.

July 25, 1967

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

Dear Dr. Traverse,

Just wanted to renew the invitation to visit our excavations at New Paris. There are camping facilities available. There are generally a few Penn State cavers represented each month.

Frank Potter, a palynology student of Dr. Kovar, is one of the mainstays of the group. He said he would get in touch with you and make some arrangements about this coming session--the third weekend in August--if you can make it. Hope so.

Sincerely yours,

John

John E. Guilday
112 McGinley Drive
Glenshaw, Pa. 15116

JEG:amg

Hunt Institute for Botanical Documentation

January 10, 1967

Dr. John E. Guilday
112 McGinley Drive
Glenshaw, Pennsylvania 15116

Dear Dr. Guilday:

Enjoyed yours of 2 December. Dr. Black, I gather, didn't make it up this way after all, so I decided to write in response in lieu of a personal message.

As far as I can find in the current chaotic state of my files (gradually, thank goodness, rounding into shape after the move up here), Paul hasn't sent me a copy of the "report on the New Paris No. 4 site". So, if you think it would help me to understand the sorts of problems that are available for work around here in the Quaternary, by all means send me one if you have one.

I should think that a visit to any of your sites would be educational for me, as a newcomer to the area, if for no other reason. So, please do invite me--you say when the weather warms. My family and I are about sick of northern winter already. So, as far as I am concerned, the warming trend could be next week. But my memory and calendar inform me that the trend in question is at least two months away.

Thanks again for your letter and interest.

Yours very truly,

Alfred Traverse
Associate Professor of Geology

AT:kaw

Hunt Institute for Botanical Documentation

CARNEGIE MUSEUM
DEPARTMENT OF THE CARNEGIE INSTITUTE
PITTSBURGH, PENNSYLVANIA 15213, U. S. A.

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Director — M. GRAHAM NETTING

Associate Director — JAMES L. SWAUGER

December 2, 1966

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

Dear Dr. Traverse,

It was very nice to hear from you. I haven't heard from Paul since a day last summer when we got together for a look-see at Trout Cave, West Virginia, a pre-Wisconsin mammal fauna (alas, pollenless, according to Paul) that we are working.

Did Paul give you a copy of the New Paris No. 4 site report? If not, let me know and I'll send you one.

We would like you to visit our field operation at New Paris this spring if you can. Fieldwork is usually done on the third weekend of every month by a volunteer crew including some Penn State students. If you would like to come, drop me a line when the weather warms and we'll make arrangements.

Yes, we definitely would welcome future collaboration. Most of our Recent cave deposits have proved distressingly pollen free, but we'll keep trying.

Dr. Craig C. Black, Curator of Vertebrate Paleontology here, will be up at Penn State sometime this month and will probably run into you.

Sincerely yours,

John E. Guilday

John E. Guilday
Associate Curator
Vertebrate Fossils

Please address all correspondence to:
112 McGinley Drive
Glenshaw, Pa. 15116

JEG:amg

Hunt Institute for Botanical Documentation

25 Nov., 1966

Dr. John Guilday
Division of Mammals
Carnegie Museum
Pittsburgh, Pa.

[redacted] Guilday:

I was recently in Tucson to give a small lecture on palynology as the guest of an old friend, Paul Martin.. Paul suggested that I write you to let you know that I am now in this area. He says that perhaps there would be a possibility of some future collaboration, and I would very much welcome that.

If you ever get up toward the center of the state, I would very much like to meet you. I haven't been to Pittsburgh yet during my (so far) brief sojourn here, but when I do, I'd certainly like to visit the Museum.

My interests range pretty well over the whole field of paleobotany--I have published on material from Pennsylvanian to Recent. At the moment we are working on Tertiary sediments from Texas. (As you can see, typewriting is not one of my strong points!)

Yours very truly,

Alfred Traverse
Associate Professor of Geology

Hunt Institute for Botanical Documentation

I appreciate your sending the guidebook so promptly, and have turned it over to our Order Department for payment. That will take a while, but I know you are familiar with such red tape! I will appreciate hearing from you as soon as possible. We are leaving for Mexico on May 21 and I have to get my copy in to the 2d edition before then.

THE UNIVERSITY OF TEXAS AT AUSTIN
THE LIBRARY
AUSTIN, TEXAS 78712

May 6, 1971

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

Dear Dr. Traverse:

I seem to be a worry-wart about the NAPC guidebooks, but I am confused about the first and second convention and hope you can help me.

In your letter you say only two guidebooks have been published, and I have two. They are:

no. 1, 1969. Shallow-water Precambrian and Paleozoic communities, Minn.& west. Wisconsin

and Sedimentation in the carboniferous of western Pennsylvania,

Is this #2 ← what is date?

the one you just sent me which also bears date of 1969; at least that's the date at the top of the cover. and was the 1st convention held then? Is there a guidebook for 1968?/ What I should like for you to do is to line up the meetings, 1st, 2d, 3d for me,/listing by place, the guidebooks (or no guidebook in the case of the 3d meeting in Toronto) so I can put this in our GEOLOGIC GUIDEBOOKS OF NORTH AMERICA, 2d edition, which now is in its final stages. The publisher told me last week I had the best bibliographical control of anyone in the US on guidebooks; I said,"I ought to have--I write enough letters!"

We just had Final Bedlam, a huge success, altho I had to miss it because of a death in the family. The boys gave me a subscription to PLAYBOY and a pair of hot pink hot pants!!!

Sincerely, Thelma

(Mrs.Thelma Guion, G.B.302, U.of Tex.)

Hunt Institute for Botanical Documentation

October 1, 1969

Mrs. Thelma Guion
Geology Librarian
G.B. 302
University of Texas
Austin, Texas 78712

Dear Mrs. Guion:

Perhaps you will remember or have a record that I borrowed through our library several months ago the book by D.V. Ager: Introducing Geology, a British elementary textbook in earth science. I borrowed this book for the purpose of making some illustrations for teaching purposes. It came while I was out of town, the illustrations were made, and the book was returned before I came back. Now the difficulty is that without the book I can't label my illustrations! I wonder if we could bypass all the business of interlibrary loan by having you send it either to me personally or to the library as soon as convenient?

In case you're wondering why we don't just go ahead and buy one--we are trying, but it seems to take an impossibly long time!

Best wishes as always.

Yours very truly,

Alfred Traverse
Associate Professor of Geology
and Biology

AT:kc

Hunt Institute for Botanical Documentation

Have you seen a copy of GEOLOGIC FIELD TRIP GUIDEBOOKS OF NORTH AMERICA [Phil Wilson, Houston, 1968]? That was based largely on my guidebook collection.

THE UNIVERSITY OF TEXAS AT AUSTIN
THE LIBRARY
AUSTIN, TEXAS 78712

September 17, 1969

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

Dear Dr. Traverse:

In the August AAPG I note that you are chairman of a field trip on October 22 of the American Association of Stratigraphic Palynologists to study plant micro and megafossils of the Appalachian Plateau.

If there will be a guidebook for this trip, please let me know how I may obtain a copy for our library. Also, have there been any other field trips with guidebooks by this Association? I don't remember having ever seen a trip listed before in the AAPG lists.

School is about to start and the campus is all torn up. There get to be more and more people and cars every year; I am beginning to wonder where it will all end! Already there is a sea of cars surrounding the campus, and still there's no place to park.

I hope you and your family are well and happy.

Sincerely yours,
Thelma Guion
(Mrs. Thelma Guion)
Geology Librarian
G.B.302
The University of Texas
Austin, Texas 78712

Hunt Institute for Botanical Documentation

CATALOG OF FOSSIL SPORES AND POLLEN

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



THE
INTERNATIONAL COMPENDIUM
OF
PALYNOLOGICAL SYSTEMATICS

May 12, 1969

Mrs. Thelma Guion
Library
Department of Geology
University of Texas
Austin, Texas 78712

550
A g 37i

Ager, Derek Victor.
Introducing geology: the earth's crust considered as history.

Dear Mrs. Guion:

When I was at UT I extracted several useful bits of information from a small British (I think) textbook of geology by a gentleman named Ager (or Agar?). I believe the title was "Introductory Geology", or something unimaginative like that. Could you drop me a line with the correct citation of the book? Warning--if you do, and I can't find it nearer at hand, you may get an ILL request from our librarian!

I still miss Austin and you, tho' I suppose in your new, air-conditioned splendor, you would be scarcely reocgnizable to me. You certainly were a good friend in 1965-66.

Best wishes.

Yours very truly,

5-2342
529 Deike

Alfred Traverse
Associate Professor of Geology & Biology

AT:kwc I didn't see you at GIS in Mexico City in November!

Dear Dr. Traverse:

Thank you for this nice letter! The information you want I have listed above, and if you don't have it you can order on ILL, using the call no. as given, noting that it is in Geology Library; the people in Extramural loan will appreciate the help.

We had Final Bedlam last week, on Thurs. night, in the form of Academy Awards (the Rudolph Awards). As usual it was lots of fun. Come to see our new building. Lib'y is better than ever!

Humboldt Institute for Botanical Documentation

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May 12, 1969

Mrs. Thelma Guion
Library
Department of Geology
University of Texas
Austin, Texas 78712

Dear Mrs. Guion:

When I was at UT I extracted several useful bits of information from a small British (I think) textbook of geology by a gentleman named Ager (or Agar?). I believe the title was "Introductory Geology", or something unimaginative like that. Could you drop me a line with the correct citation of the book? Warning--if you do, and I can't find it nearer at hand, you may get an ILL request from our librarian!

I still miss Austin and you, tho' I suppose in your new, air-conditioned splendor, you would be scarcely reocgniaable to me. You certainly were a good friend in 1965-66.

Best wishes.

Yours very truly,

Alfred Traverse
Associate Professor of Geology

AT:kwc

Hunt Institute for Botanical Documentation

12 June, 1981

Ms. Helen Guiragossian
5355 Henry Hudson Parkway
Bronx, NY 10471

Dear Ms. Guiragossian:

Dr. Traverse is out of the office until mid-July, so I am taking the liberty of answering your letter of 5 June.

You don't indicate whether or not you have a specific interest in palynology, or plant taxonomy, or whatever, so I get the impression that you are not ready to concentrate in any particular area yet, but are just collecting information.

At Penn State (incidentally, don't call it the "State University of Pennsylvania"--too easy to confuse with University of Pennsylvania, which is in Philadelphia and is a completely different institution), Dr. Traverse has a joint appointment with Biology and Geology, and his courses are co-listed. He is physically housed in the Department of Geosciences, so most of his students tend to be geology majors. However, his own training is mainly in botany and paleobotany--palynology occupies a valid position in either geology (because the microfossils we study come from rocks) or botany (because the microfossils are, of course, from plants). Dr. Traverse <u>does</u> have occasional graduate students from Biology and encourages prospective students with a background in plant science to apply. His research interests are wide-ranging as you already know. At the moment he and his students and colleagues are working mainly in three areas: 1. Early Silurian land plants of Pennsylvania, 2. Late Cenozoic vegetational studies based on Black Sea Cores, and 3.Paleopalynology of Upper Triassic-Lower Jurassic rocks of North America.

Enclosed is a xerox of a list of his most recent published papers.

Yours very truly,

Elizabeth I. Traverse
Research Assistant, Palynology

encl

Hunt Institute for Botanical Documentation

Arg - see Delaware

Helen Guiragossian
5355 Henry Hudson Parkway
Bronx, NY 10471

June 5, 1981

Professor Alfred Traverse
Department of Biology
The Pennsylvania State University
University Park, Penn. 16802

Dear Professor Traverse:

I recently received information on the graduate program in Biology at the State University of Pennsylvania, with a list of the members of the faculty and their principal areas of research.

Your work in " Palynology of sediments from Silurian to Recent Age, Nomenclature and taxonomy of fossil spores and pollen" caught my interest as I wish to continue my studies in Botany. Could you send me further information on your research along with a list of your published articles?

Thank you very much for your time and help.

Yours sincerely,

Helen Guiragossian

Helen Guiragossian

Note: I am a student of Barnard College at Columbia University, with a major in Biology. I will complete my fourth year this coming fall, 1981, and spring, 1982.

Hunt Institute for Botanical Documentation

October 16, 1967

Dr. B.M. Gullvåg
Norges Laererhøgskole
Trondheim, Norway

Dear Barbro:

Thanks for the reprint of "The fine structure of pollen grains and spores: a selective review from the last twenty years of research." This will be of considerable interest to me in my teaching and research.

Will you please change your address file for me to read:

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

(This last envelope was sent to a previous address in Texas and had to be forwarded three times before it got here!)

B Best wishes.

Yours very truly,

Alfred Traverse
Associate Professor of Geology

AT:kwc

Hunt Institute for Botanical Documentation

February 16, 1967

Dr. Barbro Gullvåg
Department of Botany, NLHT
Norges Laererhøgskole
Trondheim, Norway

Dear Barbro:

Good to hear from you again and to get the reprint of your always interesting work. Trondheim seems as remote to me as I am sure State College, Pa., does to you, and it is interesting to muse about electron microscopy of pollen going on in so Arctic a place. Dr. Schopf is concurrently doing palynology in Antarctic, so the subject is really pole to pole.

You may not know of my move here to be associate professor of geology and editor of the Catalog of Fossil Spores and Pollen. I hope you'll change your address card accordingly.

Missed you at the international conference in Utrecht last summer.

Best wishes as ever.

Yours very truly,

Alfred Traverse, Editor
Catalog of Fossil Spores and Pollen

AT:kaw

Hunt Institute for Botanical Documentation

Stockholm, University of Technology
17.2.56

Dear Dr. Travers,

Thank you very much for your letter. You must not think that I am too much of a pedant, It is more because I am very much interested in those things that I have been writing to you. I realize very well what you mean and what prof. Faegri wants to say. Only I think that the electron microscope is not the tool to be used for those experiments. For a long time I thou that the two layers examined by Faegri was the endexine and the rest of the exine respectively. If it is not so, it might well happen that xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx there is a real physico-chemical difference which cannot be observed at a resolution of about 40 Å. It might be demonstrated, however, by means of staining techniques, as we do not know very much of how the immersion fluids penetrate the material. When making staining experiments in Bromma we have not observed this demarcati line. I have not got the time to try to examine this problem more closely, and I do not know in which plants Faegri has observed this difference. Anyhow it is much more pleasant if we try to cooperate than if we just take different positions.

Yours sincerely

Bahs Apelias

Please excuse me this careless letter. I will write a more detailed one if we obtain some news on the subject. For the moment I am not working with electron microscopy but with interference measurements. It could be interesting to hear if you start with electron microscopy.

Hunt Institute for Botanical Documentation

PALYNOLOGISKA LABORATORIET
RANHAMMARSVÄGEN 22, BROMMA TEL. 26 13 14
PROFESSOR GUNNAR ERDTMAN

December 22, 1955

Dr. A. Travers,
Shell Development Company,
3737, Bellaire Boulevard,
H O U S T O N, 25, TEXAS,
U. S. A.

Dear Dr. Travers,

I was glad to have the opportunity recently to meet you in Stockholm, and I hope that your visit to Norway proved to be both enjoyable and profitable. You must not think that I am too much of a pedant but I do so want to add one or two remarks to your lines about the "microstructure" of the pollen wall in your letter to Professor Erdtman, in which you were kind enough to mention me. - I am not sure if either you or Professor Faegri realize that the thing we must call "microstructure" has been studied for years by means of the light microscope. If you wish to say that it is important to make sure whether or not there is a submicroscopic structure to be found in the pollen wall it might, therefore, be as well to bear in mind that such structures have already been described although, unfortunately, only by means of electron microscopy. Firstly, there is the laminated granular or granular-amorphous type of structure, characteristic of the sporopollenine itself, and found in all pollen grains and spores. Then there are of course, a lot of different channels and holes and bars and rods, in more or less complicated patterns (as has already been described in light microscopical works) also to be found in the submicroscopic region. These are merely morphological characters and differ between the different pollen types; much work remains to be done here if we want to look at the submicroscopic morphology of the walls of all types of pollen grains and spores.

With my very best wishes for the New Year,

Sincerely,

Bruno Ajelius

Hunt Institute for Botanical Documentation

January 26, 1956

Mrs. B. Afzelius
Palynologiska Laboratoriet
Ranhammarsvägen 22
Bromma, Sweden

Dear Mrs. Afzelius:

Thanks for yours of December 22, which awaited my recent return here. You are quite correct in calling attention to my inexactness of language. However, the point that I was trying to make still seems central, regardless of the words used to express it. That point is: Professor Faegri feels that there is a real, chemical and/or physical difference between the endexine and the ektexine. Professor Erdtman, if I understood correctly, feels that the evidence from your work and from his own observations is that the sexine and nexine are purely stratigraphic terms. When I spoke of homogeneous microstructure in my letter of 2 December, to which you refer, this is the frame of reference. Professor Faegri feels that there is a staining difference between ektexine and endexine, for example. He feels that a real submicroscopic difference in the substance of the two layers is probably indicated. As I am sure you recognize, this is quite unrelated to the existance of structural features such as columellae, etc. (When I used the work microstructural I did not mean to imply microscopic in contrast to sub-microscopic. I used the word microstructural in the non-committal sense of simply small-structural.)

To put this another way, the question is whether the submicroscopic granular or granular-amorphous structure to which you refer in your letter is in any consistent way related to the stratigraphic divisions. Or, if there is no such relation, is there a chemical distinction nevertheless between the granules members of the several stratigraphic layers? As I see it, this is the problem that Professor Faegri has raised.

Thank you for your New Year's greetings. Very best wishes to everyone at Ranh. 22.

Very truly yours,

Alfred Traverse

AT:hmp

Shell Development Company

Exploration and Production Research

Hunt Institute for Botanical Documentation

As correspondence

CURRICULUM VITAE

Name: Guo Yingting Marital status: Married

Sex: Male Date of birth: 15 Mar, 1962

Nationality: Chinese

Address: Department of Geology, Beijing Graduate School
China University of Mining and Technology
Beijing 100083 P.R. China Phone: (814) 867-4767 (H)
(814) 865-6543 (O)

Education:

Oct.1978-Jan.1982: Nanjing University, Nanjing, China, BS, Hons. Geology Specialising in Paleontology and Stratigraphy.

Feb.1982-Dec.1984: China University of Mining and Technology, Beijing China. MS, Hons. Coal Geology, Specialising in Paleobotany.

Research project: The study of the arborescent lycopods from coal balls of Late Permian in Western Guizhou, China.

Jan.1985-Dec.1987: China University of Mining and Technology. PH D, Hons. Coal Geology, Specialising in Paleobotany.

Research project: The systematic study of gigantopterids, Plagiozamites, Compsopteris and ecology of coal measure floras from the Upper Permian in Western Guizhou, China.

Teaching experience: Jan.1988-Feb.1991: Assistant Professor.

Mar.1991-date: Associate Professor.

Lecturing courses: Paleobotany (for graduate student)

Coal Geology (for undergraduate student)

Research areas: (1) Coal balls and petrified fossil plants

(2) Paleoecology and coal-forming plants

Hunt Institute for Botanical Documentation

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1. Guo Yingting, Li Honqi, 1984.
A special petrified plant fossil-colified concretion. Coal Geology and Exploration, No:5.

2, Guo Yingting, Tian Baolin, 1986.
The study of Stigmaria ficoides from the coal balls of Upper Permian in Western Guizhou. Journal of China Institute of Mining and Technology, No:4.

3, Tian Baolin, Guo Yingting, 1987.
A new species of lepidodendroides fructification---Achlamydocarpon sinense . Acta Botanica Sinica, No:2.

4, Guo Yingting, Li Youngjie, 1988.
The study of coal balls from the Upper Permian in Western Guizhou, China. Coal Geology and Exploration, No:5.

5, Guo Yingting, 1990.
The ecology of coal measure floras from the Upper Permian in Western Guizhou, China. Journal of Coal Society of China, No:1.

6, Guo Yingting et al., 1990.
The study of coal balls from the Upper Carboniferous in Southern Shandong, China. Research of Geoscience, No:3.

7, Guo Yingting, 1990.
The anatomical study of Plagiozamites oblongifolius and the systematic position of Plagiozamites. Acta Botanica Sinica, No:10.

8, Guo Yingting, 1990.
The Paleoclimate of Upper Permian in Western Guizhou, China. Coal Geology of China, No: 3.

9, Guo Yingting, 1991.
Ecology of gigantopterids from the Upper Permian in Western Guizhou China. Coal Geology and Exploration, No:2.

10, Guo Yingting, 1992.
The anatomical study of Compsopteris axis and the systematic position of Compsopteris. Acta Botanica Sinica, No:3.

11, Tian Baolin, GuoYingting, 1992.
The anatomical study of Psaronius wangii sp.nov.. Coal Industry Press of China, Beijing, P.R. China.

12, Guo Yingting, 1993.
The epidermal and anatomical study of gigantopterids leaves. Chinese Journal of Botany(in English), No:1.

13, Guo Yingting, 1993.
Coal balls and coal facies of China. Seeing(Coal Petrology of China). edited by Han Dexin. Coal Industry Press of China.

Hunt Institute for Botanical Documentation

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

4 August, 1991

Prof. Guo Shuang-xing
Nanjing Institute of Geology and Palaeontology
Academia Sinica
Chi-Ming-Ssu
Nanjing 210008
Peoples' Republic of China

Dear Colleague:

Your nice letter of 20 July came the other day. It was interesting to read about your work. We must be about the same age, judging from the fact that you have been active in the field since 1956. My first paleobotanical paper was published in 1950.

Regarding my book, **Paleopalynology**, I must tell you that when it was published I got a few (10) free copies. These were given away almost immediately to various people who had helped with the project. Now I must purchase copies from the publisher just like anybody else, although I do get a modest discount as the author.

However, I should tell you that the paperback version is now selling for $45 a copy. The hardback version (same paper except for the cover), which is much more durable is $85 (!) but has also been sold out (there won't be any more until the book is reprinted, if it ever is). I have a few copies of the hardback version that I bought at author's discount. I would send you one of these postpaid to China for $35.

The book on Cenozoic plants of China is available in our library, and I am running out of shelf space, so I think I'll get along with the library copy.

I would indeed like to visit China and hope to do so after the next International Botanical Congress, which will be held in Tokyo in the summer of 1993.

Best regards to you.

Yours very truly,

Alfred Traverse

Hunt Institute for Botanical Documentation

中国科学院南京地质古生物研究所

NANJING INSTITUTE OF
GEOLOGY AND PALAEONTOLOGY
ACADEMIA SINICA

中华人民共和国
南京　鸡鸣寺

Chi-Ming-Ssu, Nanjing
People's Republic of China

Professor Alfred Traverse,
Palynological Laborarories,
The Pennsylvania State University,
345 Deike Building,
University Park,
Pennsylvania 16802,
USA.

July 20, 1991
Nanjing 210008
P. R. China

Dear Professor Traverse,

I have received your post card. I hope we can exchage publications continuously each other. I have been mainly studying the Cenophytic plants sinne 1956. I often read some importan paleopalynological papers. I know you have publushed a huge publications and a value and impotant book"Paleopalynology " in 1988. If you have spare of it. Please present me one copy. That is great helpful for my study. If you like the book "Cenozoic Plants from China" written by Chinese with 149 plates and 232 pages. I am very glad to present you one. If you like to visit China you are warmest welcome.

With my best wishes,

Yours very truly,

Guo Shuang-xing

Guo Shuang-xing
Prof. of Palaeobotany

Hunt Institute for Botanical Documentation

13 December, 1983

Dr. H. P. Gupta
Indian Association of Palynostratigraphers
Janki Bhawan, Narhi
Lucknow 226001, India

Dear Dr. Gupta:

As I mentioned in my letter to you of 8 June, I like to see Patrika and would like to be on the mailing list, and would be willing to pay to be on the list. However, I am not in a position to buy the Proceedings Volume at $60, and I was somewhat startled to get your bill for that, which I did not order.

All the best.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

Hunt Institute for Botanical Documentation

BIL 6

INDIAN ASSOCIATION OF PALYNOSTRATIGRAPHERS

iap

Janki Bhawan, Narhi
Lucknow 226 001, India

Dated 16.11.83

Reference your order/letter no. 8 June, 1981

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Professor Alfred Traverse
Professor of Palynology
The Pennsylvania State University, College of Earth and Mineral Sciences
University Park
PENNSYLVANIA 16802, U.S.A.

H P Gupta
Business Manager

Note : All cheques/drafts, etc, to be made payable to INDIAN ASSOCIATION OF PALYNOSTRATIGRAPHERS LUCKNOW and forwarded alongwith a duplicate copy of this bill to Dr. H. P. Gupta, Business Manager, Indian Association of Palynostratigraphers, care of Birbal Sahni Institute of Palaeobotany, 53 University Road, Lucknow 226001, India.

Payment of this bill be made in Advance.

Hunt Institute for Botanical Documentation

THE PENNSYLVANIA STATE UNIVERSITY
COLLEGE OF EARTH AND MINERAL SCIENCES
UNIVERSITY PARK, PENNSYLVANIA 16802

Department of Geosciences
Palynological Laboratories

Area Code 814
865-2342

8 June, 1981

Dr. H. P. Gupta
Birbal Sahni Institute of Palaeobotany
P.O. Box 106
Lucknow 226007, India

Dear Dr. Gupta:

Thanks so much for the copy of the IAP Newsletter, Patrika. I enjoyed it very much and greatly appreciate your thinking of me. If possible, I would like to see it regularly and would be glad to pay for the privilege if you will let me know how much and to whom to pay!

All the best.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

Hunt Institute for Botanical Documentation

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

27 January, 1987

Dr. Sujoy Gupta
9915 Golden Meadow
Houston, TX 77064

Dear Sujoy:

Yours of 20 January in hand. The recommendation letter has gone out to Dr. Mohr at U. of MD. Sounds like an interesting assessment.

Too bad about Houston, per your letter. But an investment newsletter I saw the other day says one should buy housing in H. now, as it is dirt cheap, and H. "will rise again"! Hmmm.

Best.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

P.S. I have two former grad students unemployed in H., plus at least two former students who are just hanging on.

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27 January, 1987

Dr. Lois A. Mohr
Assistant to the Chancellor, Overseas Programs
University of Maryland
University College
University Boulevard at Adelphi Road
College Park, MD 20742-1642

Dear Dr. Mohr:

An old friend and colleague, Dr. Sujoy Gupta, has written me asking me to send off to you a letter regarding his application for your position as a teacher in your program.

Dr. Gupta has been well known to me for years as a hard-working and talented geologist, with a speciality in stratigraphy and paleopalynology. He is a very versatile individual, is a good teacher who has also had plenty of experience in administration and government. He is widely travelled and is an internationally known researcher in his field. He has taught general courses in both geology and biology, and there is no doubt in my mind that he would be a good choice for your position.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

Hunt Institute for Botanical Documentation

9915 Golden Meadow
Houston, Texas 77064
January 20, 1987

Dear Al :

I have been applying for jobs everywhere but they are saying that I will not hear any news before April. So I am continuing mt search. Perhaps I will be able to go back to the Middle East, although it will be only a few months from the War Front. Any way one of the several places I have applied so far is the University of Maryland Overseas Programs to teach basic and non-lab courses on geology, biology (fundamentals) and botany (ecology mostly). I taught these courses before, so it wouldn't be any problem. The courses would be taught, as you peobably know, in the US bases in Europe and Asia. I believe, I will enjoy doing this if I can a chance. They need recommendation letters exclusively from academic sources to evaluate me "as a scholar and a teacher." Could you send a few good words for me to the following address :

Dr. Lois A. Mohr
Assistant to the Chancellor, Overseas Programs
University of Maryland
University College
University Boulevard at Adelphi Road
College Park, Maryland 20742-1642.

Hope you are doing well. Houston is a dead city now. More later.

With best regards

Sincerely

Sujoy

Sujoy Gupta

Hunt Institute for Botanical Documentation

OSU

Oklahoma State University

T. BOONE PICKENS, JR. SCHOOL OF GEOLOGY

STILLWATER, OKLAHOMA 74078
PHYSICAL SCIENCES BUILDING 151
(405) 624-6358

October 29, 1986

Alfred Traverse
Professor of Palynology
Pennsylvania State University
Deike Building
University Park, PA 16802

Dear Dr. Traverse:

Thank you for your letter in support of the application of Dr. Sujoy Gupta who has applied for the Professor/Director position in the School of Geology.

We appreciate your comments and assure you that his application will receive careful consideration.

Sincerely,

Wayne A. Pettyjohn

Wayne A. Pettyjohn
Sun Professor & Head

WAP/kh

CENTENNIAL DECADE
1980 • 1990

Hunt Institute for Botanical Documentation

24 October, 1986

Dr. Sujoy Gupta
Natural Resources Authority
PetrolemmmExploration Directorate
P.O. Box 7
Amman, Jordan

Dear Sujoy:

Letter to Oklahoma went off, but not quite by the deadline--yours didn't get here in time. I asked them for special consideeation.

Best.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

Hunt Institute for Botanical Documentation

22 October, 1986

Chairman, Selection Committee
School of Geology
Oklahoma State University
Stillwater, OK 74078

file

Dear Friend:

An old friend and colleague, Dr. Sujoy Gupta, has written me asking me to send off to you a letter regarding his application for your position as Professor/Director. Unfortunately, his letter just reached me, with a deadline for this letter of 15 October.

Dr. Gupta has been well known to me for years as a hard-working and talented geologist, with a specialty in stratigraphy, paleopalynology. He is a good teacher, and has plenty of experience with administration too (especially in government and industry). His research is good and widely recognized. He would be a somewhat unusual choice for you all to make, but there is no doubt in my mind that he would be good at the job.

Thank you for reading.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

Hunt Institute for Botanical Documentation

Natural Resources Authority
Petroleum Exploration Directorate
P. O. Box 7
Amman, Jordan

September 27, 1986

Dear Al:

Thank you for your letter. I know it dangerous over there, specially in Houston. Don't know what to do. I am sending applications, in case my luck favors. I have included your name as one of the references. I hope you woildn't mind to help me. I need to send three letters to the following address by October 15, 1986. Could you kindly do this for me, please.

Chairman, Selection Committee
School of Geology
Oklahoma State University
Stillwater, Oklahoma 74078

The position is Professor/Director. Needed qualifications are:

1. Good teacher (which I am, 1965 to 1976)
2. Researcher
3. Administrator (Director, STM Corp., Manager, GeoChem, and World Bank Consultant and administrator in Amman, Jordan)

I am scared to death to come back home, also afraid to live here. Things are rough on both sides.

More later,
Regards,

Sincerely

Enjoy

Hunt Institute for Botanical Documentation

4 September, 1986

Dr. Sujoy Gupta
Natural Resources Authority
Petroleum Exploration Directorate
P.O. Box 7
Amman, Jordan

Dear Sujoy:

Of course, I remember you! Yours of 23 August just came and was most interesting. I would write letters or whatever to help you, but I must confess to knowing little that will be comforting. Three of my own ex-students in Houston alone are more or less unemployed. Academic jobs are scarce as hens' teeth. I would advise you to try to get your present overseas job extended again, or get another one, or whatever, and then send for ~~family~~family! Houston is a disaster economically at the moment. If you return to North America, maybe you could go into another line of work?

Best wishes as always. Remember Disneyland?

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

Hunt Institute for Botanical Documentation

NATURAL RESOURCES AUTHORITY
PETROLEUM EXPLORATION DIRECTORATE
P.O. BOX 7
Amman, Jordan
August 23, 1986

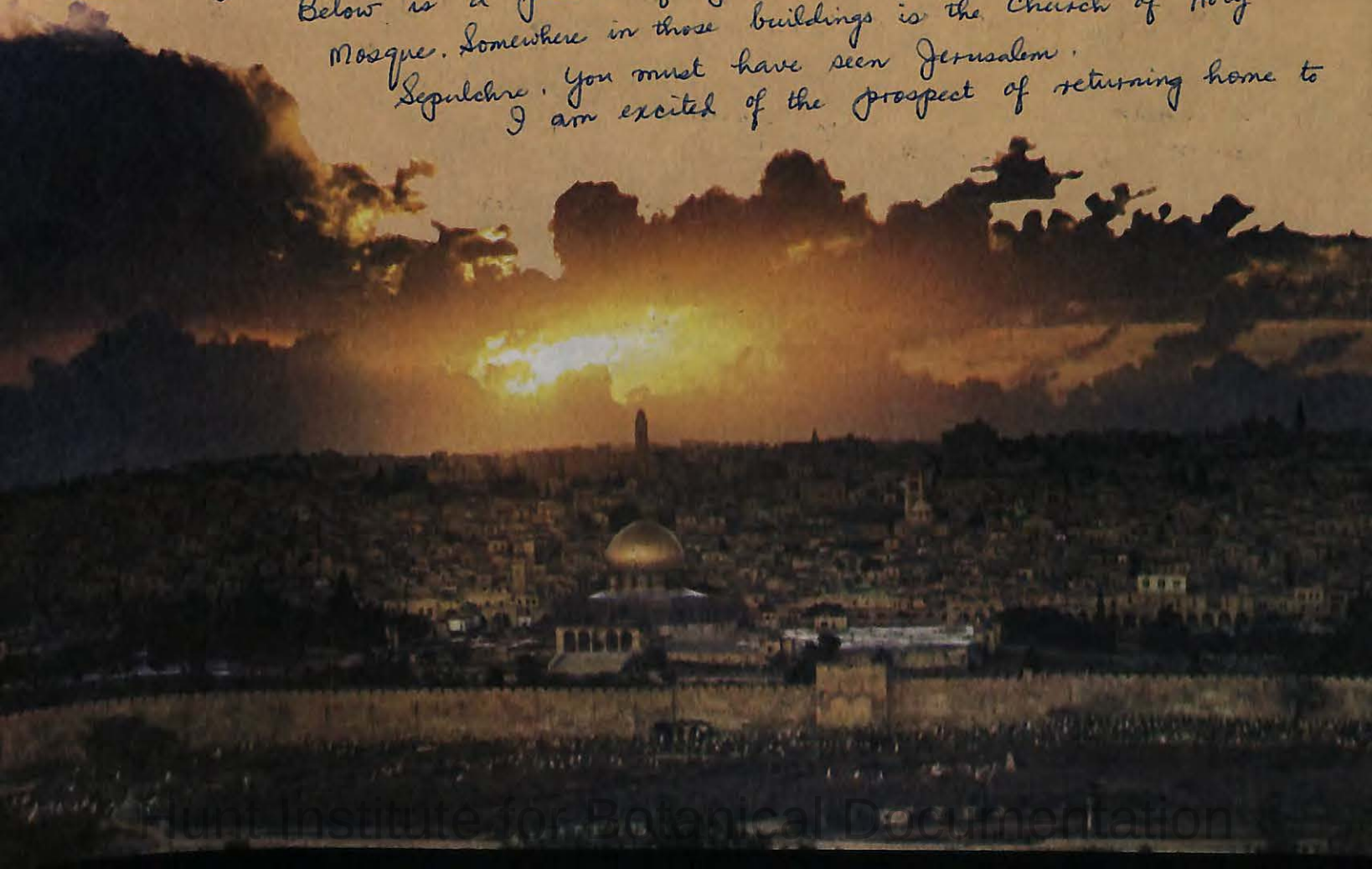
Dear Al:

This is Sujoy. Hope you remember me. Since my return from Rio de Janeiro, I probably talked to you once on the phone. I ended up in Amman, Jordan on ~~one~~ an ~~one~~ year contract (through World Bank), and ~~the~~ for another year which will expire in November. I have set up a palynology Lab, and an organic maturation studies lab; trained a number of Arab idiots, and am ready to come back home. It was an experience would never forget. No wonder, Allah forgot them! I can write a comic book on my experience. I am also afraid of my life. Life is cheap here, but not the American aid and dollars. More when we meet.

With all my experience in the universities and oil industry, and in management, I may be ready for a suitable position in a university (doors ~~are~~ of industry are closed for everyone now!). It is difficult for me to hunt for a job from the deserts of the Middle East. You may be able to give me a few tips. Would you?

Below is a picture of Jerusalem, and the Dome of the Rock Mosque. Somewhere in those buildings is the Church of Holy Sepulchre. You must have seen Jerusalem.

I am excited of the prospect of returning home to



Plant Institute for Botanical Documentation

Houston. My children are 14 to 16. They need me but I have been away for 2 years. But I also need money to support them.

I know you will help me, if you can. Please try. Write to me.

With best regards,

Sincerely

Sujoy Gupta

Hunt Institute for Botanical Documentation

SIU

Southern Illinois
University at Carbondale
Carbondale, Illinois
62901

Office of the Vice President for
Academic Affairs and Research
618/453-5744

March 20, 1984

Professor Alfred Traverse
Palynological Laboratories
Department of Geosciences
College of Earth and Mineral Sciences
The Pennsylvania State University
Deike Building
University Park, Pennsylvania 16802

file

Dear Professor Traverse:

Thank you for your letter of recommendation of Dr. Sujoy Gupta to fill the position of Dean of the College of Science at Southern Illinois University at Carbondale.

We appreciate your cooperation in helping us to fill this important position. If you have further suggestions to make with regard to this candidate, please do not hesitate to contact me.

Sincerely yours,

Donald Ugent/sas

Donald Ugent
Chair, Search Committee
618-536-2331

DU:sas

Hunt Institute for Botanical Documentation

University of Northern Iowa

Cedar Falls, Iowa 50614

March 20, 1984

Alfred Traverse
Prof. of Palynology
Dept. of Geosciences
Deike Building
The Pennsylvania State University
University Park, PA 16802

Dear Dr. Traverse:

The Search Committee for Dean of the College of Natural Sciences at the University of Northern Iowa has received your letter of recommendation for the application of Dr. Sujoy Gupta.

We are grateful for your willingness to assist the Committee in its task of selecting the best qualified candidate for this important position.

Thank you.

Sincerely yours,

Wayne I. Anderson

Wayne I. Anderson, Chair
Search Committee for CNS Deanship
Department of Earth Science
University of Northern Iowa
Cedar Falls, IA 50614
Phone (319) 273-2759

WIA:cw

Hunt Institute for Botanical Documentation

15 March, 1984

Dr. Sujoy Gupta
9915 Golden Meadow Dr.
Houston, TX 77064

Dear Sujoy:

Thanks for yours of 16 February, which unaccountably took 7-8 days to get here. You may use my name with anybody you like. I have very positive feelings about you. Of course, a clever reader will probably pick up that I have never worked with you and know you only from your work and a few social contacts. Nevertheless, I have written an upbeat letter that might help.

I have just sent off the "dean letters". Don't forget to pull the "minority preference, special consideration, etc." bit. Could help.

Best wishes. I am optimistic that you'll end up on your feet, like a cat.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

Hunt Institute for Botanical Documentation

14 March, 1984

Dr. Sujoy Gupta is well known to me from days when we both worked in Texas, through contacts in national societies, as well as from occasional phone conversations and visits we have had at scientific meetings. (We have done things together such as spending a day at Disneyland.) He has always impressed me as a highly talented individual, who despite occasional disappointments has never lost his sense of humor nor his ability to cope. He is by far the most thoroughly americanized person from India I have ever known. You would have to look far for a man with more variety of experience--government, industry, university. He also knows the world. I would look for him to do very well in seeking outside funding for your research programs--he knows much about how to get such funding. He is a good and imaginative teacher and will understand the problems of your faculty, particularly of your younger faculty-members concerned about getting established. Sujoy has been there--it was hard to be a non-white faculty member in rural eastern Texas in the 60s and 70s.

I think you should interview this man and give him very serious consideration. I heartily recommend him to you.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

Hunt Institute for Botanical Documentation

9915 Golden Meadow
Houston, Texas 77064
2/16/84

Dear Al:

Thank you for your letter informing me about the position in the U. of South California. The latter was redirected to me from the GeoChem. Lab, and I got it two days ago. Anyway, I applied for it. Then I noticed the ad. in the Geotimes. May I use your name as a reference?

I probably told you I went to Brazil with a temporary contract from GeoChem Lab. to teach the Brazilian geologists vitrinite reflectance, Kerogen analysis, and palynology.

Now, I am back to the job market.

I am also applying desperately for a Dean's position. Why not? I have many years (1954-1976) of teaching experience in Universities (Calcutta & East Texas), and many years of industrial experience (1976 - present) as a researcher and manager (STM GeoChem, GeoChem Lab, Brazil).

Would you be kind enough to send a recommendation letter in each of the following two universities:

1. Professor Wayne I. Anderson, Dean Search Committee
Department of Earth Science
Univ. of Northern Iowa
Cedar Falls, Iowa 50614

2. Dr. Donald Vgent, Science Dean Search Committee
Office of V.P. for Academic Affairs & Research
Southern Illinois Univ.
Carbondale, Ill. 62901

DR. SUJOY GUPTA

P.T.O.

Hunt Institute for Botanical Documentation

I donot know what will happen to me and my family. There are no openings in the industry. People are losing jobs.

You are a minister. Please say a prayer for us.

With regards,

Sincerely,

Sujoy.

Hunt Institute for Botanical Documentation

20 January, 1984

Dr. Sujoy Gupta
Geochem Laboratories Inc.
1143-C Brittmore Road
Houston, TX 77043

Dear Sujoy:

I just heard there's an opening in the Department of Geology, University of South Carolina, Columbia, SC 29201, for an "organic geologist", which I gather they would expand to include palynologist if he had experience with geothermal maturation. Perhaps you should apply?

As ever.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

Hunt Institute for Botanical Documentation

21 June, 1978

Dr. Sujoy Gupta
Reika Enterprises (Renin)
Solar Center, 12115 Self Plaza, Suite 211
Dallas, TX 75218

Dear Sujoy:

Thanks for yours of 14 June. I am happy to have your support vis-a-vis the Srivastava letter. Unless you read Satish's original letter you couldn't understand the reason for my responding as I did. I just couldn't let that go unchallenged as it was full of untruths and was in part pretty malicious. I am not personally angry with Srivastava, and you need have no fear of my tarring all Indians with the same brush! Indeed, I am still as interested in India as ever and hope still to get there one day. It was a dreadful disappointment not to be able to make the Congress in Lucknow where I was elected President of the ICP (formally, that is). I have already moved on to other matters now that the record has been set straight, and am not worrying about the Srivastava flap any more. I must confess to you as a friend, however, that I wish I had taken some other tack than to become President of the ICP. It does me no good professionally and takes most of my time that would better be devoted to research. However, I suppose somebody had to do it!

I am disappointed to hear about what happened on the Behrend Campus job. I don't see how they managed to fill it by "internal promotion", but perhaps I'll hear on the local "grapevine". You would have been a good man for the job, and I gave you a strong personal endorsement to the various Deans.

I'm a little startled to hear that the job of paleobotanist at Auburn is open, because I thought that Ruth Stockey had gone there? Not so? Nevertheless, I will certainly dash off the sort of letter you want to Dr. Carrington. All the best to you.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

Hunt Institute for Botanical Documentation

file Gupta

21 June, 1978

Dr. Thomas J. Carrington
Head, Geology Department
Auburn University
Auburn, AL 36830

Dear Dr. Carrington:

I've had a letter from an old friend, Dr. Sujoy Gupta, asking me to recommend him to you for a position you have open for palynologist-paleobotanist. I didn't know that you had such a position available still, but if you do you ought to consider Gupta. He is young enough to have considerable energy and a youthful approach to things and yet old enough that he is already quite well known. I have heard a little bit about what happened to him in his job at East Texas, and I suspect that there was not a little racism involved, though I admit this is only a suspicion. I know Sujoy well enough to know that it is hardly likely that he didn't do a good job there.

Gupta has a very good general education in both botany and geology, though he is primarily a geologist. He is capable of doing a really thorough job on the biostratigraphy of any area he goes into and can be counted on to produce a well-coordinated monograph on the work concerned. He is a careful and very competent scientist. I have no direct experience with his teaching but would judge from the presentation of his papers at national meetings that he would be at least acceptable if not better than that. In addition to professional competence Gupta can also claim a very good sense of humor, fairly rare among Indians, at least in my experience, and he is just all around good company from a social point of view.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

Hunt Institute for Botanical Documentation

1833 Timbercreek Drive
Garland, Texas 75042
6/14/78

Dear Al:

After reading the A.A.S.P. newsletter and your reply to Srivastava I had a strong urge to call you and express my strong support and respect for you. You are a distinguished scientist and fit to lead ICP to a "sound footing." I know somehow your feelings got hurt (I donot know the inside story) but, as a person of Indian origin, I ~~want~~ you to know that I will always follow your bold leadership and admire you as a gentleman, person, scientist, and leader.

I hope you will forget these little things, and do whatever you have been doing for the advancement of palynology.

The position in Erie, Pa, has been filled by internal ~~pro~~ promotion. The law suit is yet to come to trial. In the meantime, I am still searching for a position and "hanging on." All Indians are not bad. Could you please send a recommendation for the position of palynologist and paleobotanist to:

Dr. Thomas J. Carrington
Head, Geology Department
Auburn University,
Auburn, Alabama 36830.

I wish I could get the position in Pa. More later,

Sincerely,
Sujoy Gupta

Hunt Institute for Botanical Documentation

March 2, 1976

Dr. Sujoy Gupta
Department of Earth Sciences
East Texas State University
Commerce, TX 75428

Dear Sujoy:

I am very sorry that it has taken me over a month to get around to answering your nice letter of 17 January. The reason for the delay is that I turned the letter over to Spackman and others for their consideration and have waited until I heard from them before answering.

I am sorry to tell you that Spackman feels that it is not, at the moment, feasible for you to come here under the conditions and for the purposes which you outline in your letter. The primary reason for this is that a new building for this college (Earth and Mideral Sciences) will be completed in the near future, and although we are not moving into the new building, there will be a game of "musical chairs" for office and laboratory space going on throughout much of the next year. Another problem is the question of financial support. There apparently is nothing that would be really suitable for you to do here that would carry with it ~~the~~ the necessary stipend. It is too bad that we are so short on space, as this really is the primary problem, Even if you were self-supporting it would be almost impossible to take you on. I have had the same trouble with palynologists who wanted to come here. I often find myself envious of the older institutions with those cavernous buildings. They can always find a corner someplace for a person to sit, but I don't even have room for my own filing cabinets!

It is good to know that you do not have your hopes riding too high on this proposal and that you will still be my friend! For my part, I have always had the highest regard for you, and I am sure my Guggenhiem evaluation will get you the award if any one recommendation would! Best wishes to you as always.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT:jb

Hunt Institute for Botanical Documentation

EAST TEXAS STATE UNIVERSITY
EAST TEXAS STATION
COMMERCE, TEXAS 75428

DEPARTMENT OF EARTH SCIENCES

GEOGRAPHY
GEOLOGY
METEOROLOGY
OCEANOGRAPHY
PALEONTOLOGY

January 17, 1976

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

Dear Al:

Greetings for the new year. I always seem to bother you with my little problems. But I am sure you will understand sometimes a man needs help from people he admires and considers as friends.

I am sure you received and evaluated my research proposal for the Guggenheim Foundation. I do not wish to know your evaluation of the proposal (I wouldn't dare), and it is not the reason I am writing to you now. I will be informed of the results in March. To be frank with you, at this moment, I am not too eager to work on that kind of project. After attending the symposium in Houston, I have been seriously studying anything I could find on vitrinite and related subjects. This morning it occurred to me to write to you to explore the possibility of my coming to you and Bill Spackman, and spend three months in the summer (June through August) and work on some projects. It will give me a tremendous opportunity to receive practical training I do not have. Do you have any funds to accomodate me? Or can you provide me with any kind of job to support myself for this period?

Please let me know if such possibilities exist. I know you are very candid about your opinion, and I respect you for that. Believe me, it would not hurt me too much to be rejected. You will still be my friend. Please convey my deepest regards to Ted Ames. It was a previlige to know him closely in Houston.

Awaiting your earliest reply. Please forgive me for asking this favor.

Sincerely yours,

Sujoy Gupta

Sujoy Gupta

Hunt Institute for Botanical Documentation

JOHN SIMON GUGGENHEIM MEMORIAL FOUNDATION

Confidential Report on Candidate for Fellowship

Requested of:
Mr. Alfred Traverse
Deike Building
Pennsylvania State University
University Park, Pennsylvania 16802

Name of Candidate: Gupta, Sujoy

20:2

REPORT:

Dr. Gupta is well-known to me personally and professionally. He is a very capable palynologist and, as far as I can tell, a good, sound geologist. I have read all of his papers, and they are well conceived and accurately done, though done under less than optimum conditions — very heavy teaching loads and not particularly stimulating surroundings. He recently has had a near brush with death but (I saw him two weeks ago in Houston at the annual palynological meetings) seems to have made a complete recovery from heart surgery. I would say that Sujoy is a good bet to accomplish the goals he has set for himself and would recommend that he be funded, if possible. I am, of course, ready to answer further questions if it would help.

Signed Alfred Traverse Date 19 Nov., 1975

Position or Title Professor of Palynology, P.S.U.

Address Deike 529, University Park, PA 16802

(Please return to John Simon Guggenheim Memorial Foundation, 90 Park Avenue, New York, N.Y. 10016, at your earliest convenience. An addressed envelope is enclosed.)

Hunt Institute for Botanical Documentation

September 12, 1975

Dr. Sujoy Gupta
Department of Earth Science
East Texas State University
Commerce, Texas 75428

Dear Sujoy:

Thanks for yours of 1 September. I was shocked to hear about your open-heart surgery, but very glad to hear that you are doing all right, certainly enough so to be campaigning for good old "D.C.", and be writing other letters! That's great!

I certainly am willing to be a referee for your Guggenheim Fellowship application. It would be interesting to know where you propose to do the work. Perhaps I can hear about that in more detail at Houston.

Very best wishes to you for a rapid and complete recovery. Hoping to see you in Houston, I am with best wishes

Yours very truly,

Alfred Traverse
Professor of Palynology

AT:jb

Hunt Institute for Botanical Documentation

EAST TEXAS STATE UNIVERSITY

Department of Earth Science
East Texas State University
Commerce, Texas 75428
September 1, 1975

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

Dear Al:

Received your reply of August 12. I fully understand your point on "D.C." problem. Inspite of being "so unhelpful," I liked to feel the personal warmth in your letter. Perhaps you are not aware of my recent (April) open-heart surgery. I am doing very well but am still in a recuperating stage. They say that I will be completely out of danger by October.

I am asking for a personal favor, and it is very important for me and my family at this stage of my life. I have written a research proposal on world-wide Carboniferous palynostratigraphy. I wish to submit it for a Guggenheim Fellowship. It will provide me an opportunity to get out of the present environment atleast for seven months. I wish to use your name as one of the four experts to evaluate my proposal. I can assure you that it will be worth recommending. If you have any objections, please let me know at your earliest convenience. The last date for submission of the application is October 1, 1975.

Hope to see you in Houston.

With my best regards,

Sincerely yours,

Sujoy

Sujoy Gupta

Hunt Institute for Botanical Documentation

August 25, 1975

Dr. Sujoy Gupta
Department of Earth Sciences
East Texas State University
East Texas Station
Commerence, Texas 75428

Dear Sujoy:

Thank you so much for yours of 12 August. It was a great pleasure to hear from you again. I have very fond memories of our last time together!

Regarding the proposed visit of "D.C."--the problem is that he was here and gave a couple of lectures during his last visit, and that was not long enough ago that I think I could justify promoting a formal lecture-giving visit. I like "D.C." very much, but I really don't think that there is any thing I can do for him at the time. Sorry to be so unhelpful

Best wishes.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT:jeb

Hunt Institute for Botanical Documentation

EAST TEXAS STATE UNIVERSITY

August 12, 1975

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

Dear Al,

I received a letter dated July 29 from Dr. Bharadwaj, Lucknow, India, indicating a possibility that he might be able to come to U. S. to attend the Houston A.A.S.P. Conference.

I am writing to you on his behalf to explore the possibilities of arranging special lectures in a few universities on palynostratigraphy and paleoclimatology of lower Gondwanas. If you could arrange something in your institution, please let me know at your earliest convenience. I will work out a schedule. I think, he expects a small honorarium to cover his living expenses in the United States.

Awaiting your earliest reply,

Sincerely,

Sujoy

Sujoy Gupta, Professor
Department of Earth Sciences

DEPARTMENT OF EARTH SCIENCES/GEOGRAPHY, GEOLOGY, METEOROLOGY, OCEANOGRAPHY, PALEONTOLOGY
EAST TEXAS STATION, COMMERCE, TEXAS 75428

Hunt Institute for Botanical Documentation

EAST TEXAS STATE UNIVERSITY
EAST TEXAS STATION
COMMERCE, TEXAS 75428

DEPARTMENT OF EARTH SCIENCES

GEOGRAPHY
GEOLOGY
METEOROLOGY
OCEANOGRAPHY
PALEONTOLOGY

December 18, 1973

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

Dear Al:

Thank you very much for sending me the slide. Looking at it I remembered what a wonderful time we had in Anaheim. I will always cherish that memory.

Dr. Bharadwaj visited our campus and gave a talk on palynology. He is now back to India. I received a letter from him the other day.

Hope we will meet again soon. Are you still interested in attending the Palynology Congress in Lucknow in 1976? Maybe we can go together.

With my best wishes to you for the holiday season.

Sincerely,

Sujoy

Sujoy Gupta, Professor
Department of Earth Sciences

SG:pb

Hunt Institute for Botanical Documentation

March 7, 1969

Dr. Sujoy Gupta
Department of Earth Sciences
East Texas State University
Commerce, Texas 75428

Dear Sujoy:

It is perhaps superfluous to be one's own PR man, but in an effort to leave no stones unturned, I thought it wise to state modestly that graduate students in palynology are being trained here under my direction, and that we would therefore appreciate being grafted into the grapevine along which information about various job opportunities is said to travel.

Also, I would appreciate it if you would consider advising prospective graduate students in palynology who want to sample education elsewhere to keep the possibility of Penn State in mind. We have laboratory and library facilities as good as any, located in the new Deike Building (College of Earth & Mineral Sciences). The personnel and library of the Catalog of Fossil Spores and Pollen and our "palynological data project", as well as the various research projects, make ours a stimulating place palynologically. We now have three full-time professional palynologists (H.T. Ames, R.B. Sanders, A. Traverse), as well as a paleobotanist with a strong collateral interest in palynology (W. Spackman). Spackman and I now both have joint appointments in biology and geology, so graduate students can organize work here toward degrees in palynology-paleobotany in either biology or geology. In terms of flexibility of requirements, this is a very desirable arrangement. For example, a botanically oriented palynologist can now enroll in biology at Penn State and does not need to satisfy the various local requirements for a degree in geology. Yet such a student has available to him at Penn State first class instruction, facilities and contacts in all those area of geology which may be pertinent to his work and interests.

Please keep us in mind.

Yours very truly,

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

Hunt Institute for Botanical Documentation

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

15 September, 1992

Dr. Swati Gupta-Bhattacharya
Bose Institute
93/1, Acharya Prafulla Chandra Road
Calcutta 700 009, India

Dear Dr. Gupta-Bhattacharya:

Thank you so much for your kind invitation (your letter of 1 Sept. 92) to contribute to the Sunirmal Chanda volume.

Because of many other obligations at this time, I regret that I cannot take part in this project. Thank you for thinking of me.

Best wishes.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

Hunt Institute for Botanical Documentation

Felicitation to Sunirmal Chanda
on Sixtieth Birth Celebration

BOSE INSTITUTE
93/1, Acharya Prafulla Chandra Road,
Calcutta-700 009, India
PBX : 50-2402/03 50-6619 Telex-021-2646
50-6702 50-6790 Gram-BOSTUTE
Fax No. 91-3334-3886

Convener :
Dr. Swati Gupta Bhattacharya
Division of Palynology and
Environmental Biology

Date Sept. 1, *19* 92

To
Prof. A. Traverse
Department of Geosciences
435 Deike Building
Pennsylvania State Univ.
University Park, Pennsylvania
United States 16802

Dear Sir,

With persistent effort and lifelong dedication of a number of Indian palynologists, India may now claim to be one of those countries where palynological and related researches have reached a proud position. In this respect Sunirmal Chanda is a name we would like to put into record.

My friends, admirers and students including us feel that as a token of our gratitude in recognition of his long and devoted service rendered to the advancement of Indian palynology vis-a-vis his contribution to this subject beyond the geographical limits of our country, we should bring out a "Festschrift", a Felicitation volume on the occasion of Prof. Chanda's attaining 60th year of eventful and fruitful life. The proposed volume is expected to cover the recent advancement done in palynology and allied disciplines in a global perspective.

A Committee has been formed to do the needful in this connection. The Committee has carefully prepared a list of prospective contributors from all over the world, those who were and are directly or indirectly connected with Prof. Chanda or with his work.

We have the pleasure to inform you that your name stands a prestigious position in the list. We will be highly obliged if you would kindly agree to contribute a paper of your choice, which, we are sure, will enrich the proposed volume enormously.

Messrs Today & Tomorrows Printers and Publishers, New Delhi, an Indian publication concern of repute, have agreed to take all care to bring out a volume of international standard befitting to the occasion. The style of preparing the manuscript would be the same as is followed in the Journal of Palynology. However, for your convenience, enclosed please find a sheet of "Instructions to Authors".

We expect to bring the volume out by the middle of 1993. Your early compliance and confirmation with the proposed title of your paper will be highly appreciated.

Yours sincerely,

S. Gupta Bhattacharya
(Swati Gupta-Bhattacharya)

Hunt Institute for Botanical Documentation

November 4, 1957

Dr. A. H. Gustafson
Department of Biology
Bowdoin College
Brunswick, Maine

Dear Al:

How's this for a voice out of the past? Haven't seen you for so long that I don't know whether you knew that I am now doing pollen research for Shell.

In the course of some of my work with Recent sediments, I have got interested in the possibility that some of the odd spinose things I am getting as microfossils might be desmid zygospores. I got a few of the things and put them through the same treatment as I use for my fossils. It looks interesting, but the desmids I got were species of Staurastrum and Cosmarium, neither of which seems to have the elaborate ornamentation I have read that some desmid zygotes have. (I got the material from R. Starr, U. of Ind.)

Am I right in remembering that you have some interest in the desmids? If so, could you advise where to obtain zygotes of several other genera? Micrasterias sounds as if it would be especially interesting.

Very truly yours,

Alfred Traverse

AT:ml

Shell Development Company
Exploration and Production Research Division

Hunt Institute for Botanical Documentation

BOWDOIN COLLEGE
DEPARTMENT OF BIOLOGY
BRUNSWICK, MAINE

May 27, 1954.

Dr. Al Traverse,
617 Lincoln Drive,
Grand Forks, North Dakota.

Dear Al:

I hope you will forgive the informality of the address for I couldn't for the life of me think of your first name. My guess is Alfred but I am not sure that I ever did know. At amy rate, I trust this note has reached its destination.

Naturally, I will be willing to serve as a reference and hope I can do something to further your intent of getting back into teaching. I can appreciate some fo the disadvantages of a life of research and can well imagine that some features of life in North Dakota cannot compare with life in the effete East.

I do not happen to know of any openings in either Biology or Botany at present but will certainly keep my eyes and ears alerted for such signs. I do know that quite a number of PhD's (this June's crop) from such places as Minnesota, Wisonsin, and Illinois are not yet placed. There should be an upward swing in college enrollments, however, next year and this should be followed by an increasing number of candidates for some time to come. Jobs should open up.

We are in the last week of classes trying frantically to finish up the varied odds and ends whoch inevitably accumulate. I will be appreciative when the last class is done and only final exams remain.

Good hunting for a job.

Sincerely,

A. H. Gustafson

Hunt Institute for Botanical Documentation

BOWDOIN COLLEGE
DEPARTMENT OF BIOLOGY
BRUNSWICK, MAINE

March 21, 1952.

Dear Al:

Good to hear from you. I have been wondering what fate had befallen you. I had guessed that you would be in double harness by now--dongratulations and all best wishes. I missed my guess on your occupation by quite a bit for I had assumed you would become one of the academic boys immediately. Along about 1959 or 1960 there should be a shortage of teachers and perhaps the colleges will be forced to raise salary scales enough to compete with Uncle Sam and industry. You can probably make your pile in oil by then and become a professor on an independent income--I recommend it as the best way(rumor is responsible for my viewpoint, not actual experience).

I remember Joe Fitzgerald as a good guy and a pretty fair student. I could scarcely appraise him thoroughly for I saw too little of him. I am afraid your letter will have to do unless he should send a request to me in which case I would say all I can for him. Interestingly enough, I have written letters to medical schools for three members of that class. Miss Luria has been accepted at Penn. and Jim Tillotsonbapplied to Boston University and Vermont. I do not know how successful he was. The third name slips my mind. I should have supposed the medical schools would have been more interested in hearing from instructors who knew them better than I did.

Spring is officially here after a long series of ups and downs of snow and thaw. We still have a foot of snow on the ground but the temperature today hit 45 degrees. I took a trio to the shore to gather some marine algae for it may snow again tomorrow. Perhaps in another month we can hope for some decent weather.

We are busy as can be for our laboratory is to be renovated this summer and we have been actively drawing plans for weeks. A lot of midnight oil has been burned for it is difficult to find time for such an activity while carrying a full teaching schedule in a small college. We have to do too much routine work without benefit of stenographers, technicains, etc.

I get a half year sabbatical next spring and look forward to a change in the southland. Have tentative plans to take most of the term at the University of Mimmi Marine Lab.

Hope your work is going well. Best of luck.

Al Gustafson

Hunt Institute for Botanical Documentation

BOWDOIN COLLEGE
DEPARTMENT OF BIOLOGY
BRUNSWICK, MAINE

Jan. 17,1951.

Dear Al:

Our Bellavista conversation re marriage et al does stick in my mind but as I recall you did not exhibit more than academic interest in the subject. I am happy to learn, however, that you do have immediate prospects or more than a passing interest in such matters. Congratulations and best wishes. As an old hand I give the following advice--do not wait until you have money enough to get married for that day will never come--take the plunge and carry on from there.

The academic world should be seriously concer concerned over the salary problem. A short article in Science two weeks ago calls attention to the disparity between teaching salaries on the one hand and governmental and industrial salaries on the other. Young fellows simply cannot afford to teach at preent salary levels and in the not too distant future this will have important influences on the recruiting of college faculties. Those of us who are in the mill are caught in a sort of viscious circle or economic vice, If a person my age and with my experience decided to leave teaching he would have few alternatives which promise anything better economically and would leave a vacuum which would be almost impossible to fill with respect to his own life.

Best of luck on completing your thesis and in taking care of all the last minute things.

Sincerely,

Art Gustafson

Hunt Institute for Botanical Documentation

Biological Laboratories
Harvard University
Cambridge, Massachusetts

10 January, 1951

Dr. A. H. Gustafson
Department of Biology
Bowdoin College
Brunswick, Maine

Dear Al:

It was good to hear from you, and I hasten to return your felicitations of the season. I am sorry to hear that you had the holidays somewhat marred with one of those things; fortunately, my only bout so far has kept me under only two days. In a way, I was almost glad for the change. I have been keeping pretty much at it, even through the vacation.

Thank you for your help on the National Research business. I have just been offered a very lucrative job with the Bureau of Mines, lucrative by comparison with academic jobs, that is. I am very much tempted to take it, though I enjoy teaching and am loathe to leave it permanently. Once into government work, one is probably unlikely to leave it for an academic position. But here is something definite, and I have had nothing but feelers otherwise. The Research Council fellowship would be an interesting alternative. It seems to me that there is a message here for the future of the quality of instruction in our universities and colleges unless something can be done to raise the ante a bit.

I have often thought of you relative to a bit of news I have. The night we had dinner at the Bellavista, which I enjoyed very much incidentally, the conversation centered around marriage, family life and so forth. You may remember that I was late for a date after the dinner. The girl and I decided the next night that we would get married and have been secretly engaged ever since. We have kept the secret until the last few weeks when it had to be bared because of my job applications. We still look to have about a year to wait, unless I go to Sweden, in which case we shall be married before, i. e. in June. I have many times wondered if it appeared that my interest in the subject was more than academic.

Many thanks once again. Perhaps I shall need to call on you again as a reference. I know from bitter experience just how much time it takes to do a good job on one of those things, and I very much appreciate your help.

Sincerely,

Hunt Institute for Botanical Documentation

BOWDOIN COLLEGE
DEPARTMENT OF BIOLOGY
BRUNSWICK, MAINE

January 5, 1951.

Mr. Alfred Traverse Jr.,
Biological Laboratpries,
Harvard University,
Cambridge, Massachusetts.

Dear Al:

Holiday greetings and best wishes for the New Year. I was unable to send out greetings at the proper season because a grippy cold kept me in bed for about ten days. It was not serious--just inconvenient and awkward coming at the height of a busy season.

We had a fine Xmas in site of the uncertainties of the time and my illness. Eric was home from Exeter, of course, and it was good to have all the family together.

I dropped in at the laboratpries near the end of November on a Friday afternoon but found y ur quarters locked up. I did see a few people I knew and had a pleasant visit.

Miss Casey's report on Botany S1 was an interesting bit of work. She was very kind in her criticism as far as I am concerned. You should be pleased at her observations concerning your part in the course .

It will be a pleasure to serve as a reference for you. In fact, I have just sent in a form I received from the National Research Council. I hope you do get the opportunity to study in Sweden.

I do not envy you the job of finishing a thesis. It still seems like a nightmare to me but I do wish you luck and after all June is only six months off.

Sincerely,

A. H. Gustafson

Hunt Institute for Botanical Documentation

8 March, 1982

Prof. Todd Gustafson
Biology Department
Juniata College
Huntingdon, PA 16652

Dear Todd:

I forgot to mention that last time I heard, Pete Trexler still wanted several (2-3?) lectures about boundary problems in geology. I suppose that should be checked out re "sharing-the-wealth". All the best.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

Hunt Institute for Botanical Documentation

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

Dr. Pedro Raul Gutierrez
Departamento de Ciencias Geologicas
Facultad de Ciencias Exactas y Naturales
Universidad de Buenos Aires
Pabellon II, Piso 1 -Ciudad Universitaria
(1428) Buenos Aires, Argentina

Dear Colleague:

It seemed to me that a "snail mail" answer was indicated here, because there will be enclosures.

I am glad to be in touch with you, and have immediately made a file card with all of your address information.

Regarding your list of publications: All of these are no longer available in my reprint files, some of them haven't been there for a couple of decades! It would appear that all of the papers are from standard publications that should be available in your university library. The exceptions might be the ones in Geoscience and Man. You could make xerox copies of them with my permission. However, I will hang on to a copy of your list. If the journals are not available to you, send me another e-mail telling me which ones you couldn't get, and I'll have xerox copies made here. In the e-mail you need only give the first author and date, because I will post your list: thus, Ash et al., 1982.

In the meantime I am sending you copies of the reprints I still have.

All the best to you.

Yours very truly,

Alfred Traverse

encl.:reprints

Hunt Institute for Botanical Documentation

Eaton
Fidelity Onion Skin
100% COTTON

May 9, 1969

Dr. C.C.M. Gutjahr
Shell Development Company
P.O. Box 481
Houston, Texas 77001

Dear Chris:

I know that you aren't in Houston anymore, but this is the only address I have for you--perhaps you can supply me with a more up-to-date one.

Is there any chance that you could spare me one more copy of your paper re carbonization, from your thesis? Students keep borrowing mine, and at the moment mine is not at hand. If I can have another, I'll put it under lock and key. As you may know, Penn State has been working for some time on the use of reflectance, ala coal petrography, for study of carbonization in organic residues. Hence, there is considerable interest in the subject here.

Best wishes to Metty. Hope I can visit you in the Netherlands one of these years; it is my favorite European country and always has been.

Yours very truly,

Alfred Traverse
Associate Professor of Geology & Biology

AT:kwc

Hunt Institute for Botanical Documentation

April 28, 1967

Dr. C.C.M. Gutjahr
Shell Development Company
P.O. Box 481
Houston, Texas 77001

Dear Chris:

Thanks for yours of 17 April.

There has been a more recent development regarding the pollen data I requested. I just unpacked a box that I have been overlooking and lo and behold, viola, the data on cards I had been seeking. That covers everything with a Tr- number and leaves only the relatively few things represented by 400,55 etc numbers. I would still like to have those, since I know that my sample book with those numbers was left at Shell. As it turns out, however, the ones that I do have are all of the critical ones. I hope this letter gets to you before anybody has wasted any time on the thing. If, when somebody has a spare moment, the appropriate data could be gleaned from the sample book for the few things not represented by Tr- numbers, I would be grateful, but it is not critical.

Glad to have the news about Mart. John Grayson apparently was considering him too, judging from a recent phone call.

Dr. Bally presented a very fine address here yesterday.

Yours with greetings,

Alfred Traverse
Associate Professor of Geology

AT:kaw

Hunt Institute for Botanical Documentation

-293
/63

3737 BELLAIRE BOULEVARD
HOUSTON, TEXAS

MAILING ADDRESS
P. O. BOX 481
HOUSTON, TEXAS 77001

April 17, 1967

Dr. Alfred Traverse
The Pennsylvania State University
University Park, Pennsylvania 16802

Dear Al:

Thanks for returning the 40X Neofluor objective and the dictaphone case. Both arrived in good condition.

Concerning your request on the data of your reference collection, we will work on it as soon as the work load decreases. At the moment we have a backlog of samples to run. Two assistants are working full time to catch up. If this trend continues, I can see no end to it. But let's be optimistic, between high work load times there are times of slumps, and then we will tackle your request. However, if your data are urgently needed in the future (if you have a deadline to meet) let us know.

Griffin is indeed with Gulf, and Mart Schemel will join Sinclair Oil Company in Tulsa.

Very truly yours,

C. C. M. Gutjahr

CCMG:pjh

SHELL DEVELOPMENT COMPANY
Exploration and Production Research Division

Hunt Institute for Botanical Documentation

April 6, 1967

Dr. C.C.M. Gutjahr
Shell Development Co.
P.O. Box 481
Houston, Texas 77001

Dear Chris:

I am gradually wading through the business of getting all of my various boxes unpacked and my things operational again. I keep thinking that I have completed the parts of the job that necessitate my writing you, but new things keep popping up. I do hope that you got the leather case for the Dictaphone, by the way--I don't recall having heard of its arrival.

Under separate cover I am sending you a 40x Neofluar objective which I failed to include with the returned microscope stuff last year.

Enclosed with this letter is a list prepared by Betty (Traverse) of pollen slides from my reference collection for which I apparently have no data. These are all items that were run while I was in Houston. They are mostly from herbarium material, either from my herbarium or from the S.M.U. herbarium, but a few of them are (as indicated by numbers 400.55, etc.) from samples of spores I obtained from various other sources. The data (for the latter only) would be in my sample book, which I left at Shell.

The items that came from herbarium materials would be represented by cards in the card file for the pollen reference collection.

Could you possibly have somebody write the data (collector, number, location, date of collection, herbarium) on the enclosed sheets and return them to me? For a few of these, the information is particularly critical, because I am trying to make a study of pollen variability within a species and the slides without the data are of no use. The items concerned are Tr2-1584 through Tr2-1608, all of which represented collections made from sheets representing a variety of habitats. How I failed to integrate cards for these things in my own card file, I don't know. I certainly would appreciate these data if you can provide them. It would be good to have the dope for all of the slides, but for nos. 1584 through 1608 it is really critical.

Hunt Institute for Botanical Documentation

Hope all goes well by you. Unfortunately, we no longer have much of a grapevine going between us. I was surprised to hear recently about George Griffin being back in Houston with Gulf.

Greetings and best wishes, as always.

Yours very truly,

Alfred Traverse
Associate Professor of Geology

AT:kaw

Enclosure: List of pollen slides

Hunt Institute for Botanical Documentation

Houston, Sept 30, 1966

Dear Al.

I am glad to know that you got a good job.
Concerning my publication, I am sending one to you this morning. I have only few left, because the prof. in Holland printed only 100.
However a little bit later on the paper will be published in our University paper and I'll receive another 100 samples.

For your exine report release, I advise to route to Dr. A. Bally, who has replaced Higgs.

Wish you a lot of luck and many fine publications.

kind regards

Gutjahr

P.S. The carbonization paper is old now, we have developed other methods. I hope they will release the results some time!

Hunt Institute for Botanical Documentation

10 October, 1966

Dr. C. C. M. Gutjahr:
Shell Development Co.
P. O. Box 481
Houston, Texas 77001

Dear Chris:

Under separate cover I am sending you the dispatch case sort of thing in which the Dictaphone that I had on loan is supposed to be kept when not in use, or when being used as a portable. (You may remember that I used it occasionally in the field for botanical notes.)

I seem to recall that the Dictaphone in question was sent to Charlie Trotter, but I thought it best to send the case on to you. If you like, you could simply have it readdressed to Trotter without opening it.

Certainly appreciated receiving a copy of your carbonization paper. I have already made good use of it in a graduate seminar on palynology that I am attempting to teach.

Yours very truly,

Alfred Traverse

Hunt Institute for Botanical Documentation

O-432 (REV. 4-54) PRINTED IN U.S.A.

INTEROFFICE MEMORANDUM

TO Dr. Alfred Traverse	DATE Sept 22 1965
FROM Department of Geology University of Texas Austin, Texas	SUBJECT
COPIES TO	REPLYING TO YOUR LETTER / FILE NO.

Dear Al

Here are the photo's. Please return those photo's you want in your report. Keep the rest. Send the Photo's either to Mark or me and we take it up from there.

Kind regards

Gutjahr

DWH

Hunt Institute for Botanical Documentation

23 September 1965

Mr. C. C. M. Gutjahr
Shell Development Company
P. O. Box 481
Houston 1, Texas

Dear Chris:

I am enclosing the four photographs which I have selected for the famous lost figure. I think that the loss of the original has resulted in improving the figure considerably, with your kind help. You or somebody will need to check the number of the figure which I remember to have been figure 2. You also will need to check the magnification which can easily be done in an approximate way from your microscope. I am attaching a proposed caption for the figure. I suppose that Judy Breeding will send me the completed figure and caption along with the rest of the report which still has to be checked.

I also would like to thank you for sending me the zerox copy of my maceration symbols.

I had a very nice time with you and Mart last week and I hope I can return sometime before too many months have elapsed.

Yours very truly,

Alfred Traverse
Assistant Professor
of Geology

AT:mg
enclosure

Hunt Institute for Botanical Documentation

O-432 (REV. 4-54) PRINTED IN U.S.A.

INTEROFFICE MEMORANDUM file

TO A. Traverse.	DATE Feb 11 1965.
FROM C.C.M. Gutjahr Cutjahr	SUBJECT
COPIES TO corresp.	REPLYING TO YOUR LETTER / FILE NO.

Al

Yesterday I phoned Higgs and he told me that your Trinity River + Bay report is in Editorial – and/or – printing stage. I had no time to call Mrs. Breeding, but I'll try to contact here as soon as possible.

To day I hope to get some bits (dictaphone) to you.

Let me know whether we can help you in other matters or not.

Kind regards.

C.C.M. Gutjahr

Hunt Institute for Botanical Documentation

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

17 September, 1966

Dr. C. C. H. Gutjahr
Shell Development Co.
P. O. Box 481
Houston, Texas 77001

Dear Chris:

As I wrote you on a card from Netherlands, which I hope you got, I was delighted to hear that you got the degree on your carbonization stuff. The first inkling I had about it (as far as I know) was when several of the speakers on the program at Utrecht referred to your results in some detail. I hadn't known that it had been released. Could I have a reprint of the published paper? If you sent me one already, it must have got mis-forwarded in the course of my musical chairs performance of late.

At the Utrecht meetings a medical doctor gave a paper on chemmistry of pollen in which he reported findings somewhat similar to mine of five years ago on the chemistry of sporopollenin. There also has been a paper recently in Grana Palynologica (I believe that's where it was) touching on the matter. I think the time is propitious for the gist of my report to be published. What do you think? Now that DVH is no longer about, to whom would I write about it?

After the Utrecht meetings I went for a couple of days to Whitby, Yorkshire, to collect some Jurassic samples and look a bit further into the matter of "jet." A graduate student at Univ. Tex. and I are doing a little joint paper on an American occurrence of jet. I drove up to Whitby in a rented car from London. THAT was an experience.

Regards to mutual friends. I suppose you all will have heard that Ken Hsu remarried (a friend of his former wife) yesterday, in California.

Yours as ever,

Alfred Traverse
Associate Professor of Geology

Hunt Institute for Botanical Documentation

File CCM Gut. hr

THE UNIVERSITY OF TEXAS Department of Geology
AUSTIN 12, TEXAS

23 Oct., 1965

Dear Chris:

Bad penny again--did I ever tell you that the additional sheets of chart paper came? They did.

In going over the pollen-water paper, my memory was jarred that I analysed several samples of bottom sediment in connection with that study. Those six analyses ought to be added to these I did for the present study. Could you send me Xerox copies? Should be handy in the files: Macerations 547 and 603 (station 0), Macerations 544 and 600 (station 4), Macerations 550 and 606 (station 9).

By the way, I found the slides of coal sections I asked about, but not those from Muller's paper that I asked to borrow. They were not from company reports but were his diagrams from the paper in Micropaleontology on which I had inked in some color. If possible, I would still like to borrow 'em.

Hope Mart is better. Regards to you and all,

As ever,

P. S.: What about the observations by Altman for use in writing this report? Was that a complicated request?

Hunt Institute for Botanical Documentation

O-432 (REV. 4-54) PRINTED IN U.S.A.

INTEROFFICE MEMORANDUM

TO Alfred Traverse	DATE Oct 7 19 65
FROM Chris Sutjahn	SUBJECT
COPIES TO C.Tjahn	REPLYING TO YOUR LETTER / FILE NO.

Dear Al

Here is some information

1) I have added a scale to the pine photo's. There are now in reproduction. Everything is going in the right direction!

2) Mickey Brown has forwarded to you (yesterday) the drafts you wanted

3) Sample goo. 153: Bituminous coal, Pennsylvanian collected 26 – VIII – 1961, Cardiff Coal, Peabody Mine PS. B.S.A field trip to Illinois. (see guide book)

Kind regards

CTJr

Hunt Institute for Botanical Documentation

THE UNIVERSITY OF TEXAS *Department of Geology*
AUSTIN 12, TEXAS

11 October, 1965

Dear Chris:

Thanks for the word to the wise. I expect I'll be seeing the report for corrections one of these days. Meanwhile, we are plowing along with the work on the surface sediment samples.

Please tell Micky that the charts arrived in good shape (but they were sent to the wrong address--my home, which would be all right, but to the old home address). They are very fine indeed, and I should be able to do some good work with them. I trust that the original is being preserved by Micky, so that additional copies could be run off, if needed.

I am writing a little note to Tom Altman, asking him to put in writing before it gets any staler, any information he may have about the techniques that were used in collecting the samples. If you have time, I would appreciate your telling his supervisor that this is o. k.

50% of my students flunked my first quiz. Oh, woe!

Oh, yes, thanks for the dope on the coal sample. Now I can use it in my teaching. I may have similar

Hunt Institute for Botanical Documentation

requests in the future.

Best wishes and kind regards,

Hunt Institute for Botanical Documentation

EPR-293
6/63

3737 BELLAIRE BOULEVARD
HOUSTON, TEXAS

MAILING ADDRESS
P. O. BOX 481
HOUSTON, TEXAS 77001

November 8, 1965

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

Dear Al:

I am sorry for the delay in answering your letters of October 11, and 23, 1965. However, I have a good excuse, I was on vacation.

Concerning your requests in those letters it may be better to channel these through Dr. D. V. Higgs in the future, because most of the requests need his approval.

I am enclosing maceration sheets 547, 603, 544, 600, 550, and 606 in this letter.

Kind regards,

C. C. M. Gutjahr

CCMG:kmw

Enclosures - 6

SHELL DEVELOPMENT COMPANY
Exploration and Production Research Division

Hunt Institute for Botanical Documentation

Department of Geology
University of Texas
Austin, Texas 78712

27 July, 1965

Messrs C. C. M. Gutjahr and M. P. Schemel
Shell Development Co.
etc.

Dear Chris and Mart:

The joint greeting covers in case of summer vacation of one of you!

Several small items of business:

1. Had a letter the other day from Pat Hyatt, re my report on the pollen in the water of Trinity River. Says originals of three figures are missing. I pointed out that correspondence between me and the office about the manuscript made it clear that I don't have any of the manuscript material. I also indicated that two of the figures, being line drawings, can be easily re-drafted, if desired, from the copies that are in existence. The other figure, however, is from a Polaroid print (photomicrograph). This one could be duplicated in essentials from the copies we have (though they are poor) by a draftsman under my direction. My notes and the copies would permit drawing of an ink reproduction that would be all right--perhaps even better than the photos. I have as yet heard nothing further about this. It would be necessary for me to confer with the draftsman.

2. At the current rate of production, I should finish the analysis of the Galveston-Trinity-Gulf etc. surface sediments in about three weeks. In my opinion, the story looks pretty interesting already. When I get done, I would like to discuss with the appropriate persons what we could do to process the data in modern fashion. It looks to me as if this sort of information would be almost uniquely suited to data-processing techniques. I see paleontologists around here using such techniques, and it makes me sad that I haven't been using them long ago. I assume that Shell's facilities are at least as good as UTs for this.

3. How difficult would it be to have size analyses run on the duplicate material of the samples (George Griffin got a cut of everything three years ago when these samples were collected--my accession numbers 500.185, etc. They all begin 500.-- He may have had anaylyses run already. If not, can such analyses be run from old samples?)? If we go the data-processing route, it would be better to be able to score the cards numerically than to try to work from our natural-history type of notes: "slightly sandy clay", etc.

In brief, shouldn't I come down sometime in August on this? Greetings all around.

A. over.

Hunt Institute for Botanical Documentation

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

29 September, 1998

Dorothy Guy-Ohlson
Swedish Museum of Natural History
Box 50007
S-104 05 Stockholm, Sweden

Dear Dorothy:

Just read an abstract of your paper on Botryococcus (the subject of one of my earliest papers, many decades ago!). Hope you'll favor me with a reprint. I enclose a few of mine that (according to my records) you haven't as yet received.

Hope you're flourishing and have cut back on the coffee (ha!--my physician son, hearing that I had long ago given up both tea and coffee because of their perceived affect on various bodily functions "prescribed" pure caffeine, which I now carry with me always and take in small amounts when I need a lift. He actually "prescribed" 200 mg., but I found that 100 mg. is enough for me, so I split the tablets. I used the quotes because in this country it is an over the counter drug.)

This has been a hellish summer. The department gave me notice to vacate my office space by 1 July on 15 June. I screamed because we were committed to go to the Adirondacks until 5 July at that time, and they gave me an extension to 15 July. With the help of a grandson and Betty I made it by the night of 14 July. We have had an addition put on our home to provide a home office. I am allowed to keep the prep lab indefinitely, and we have a condo in State College, where Betty has her (medieval German) office. I also have a cubicle in the Deike Bldg., which I share with another emer. prof. So, it will be o. k. when I get it all sorted out, but at the moment it is shear chaos--can't find anything.

We hope you are going great guns and would love to hear. One of these years we plan to visit Stockholm (and other places in Scandinavia!). Hope you are home when that happens.

Very truly yours,

Alfred Traverse
Professor Emeritus of Palynology

enclosures:reprints

Hunt Institute for Botanical Documentation

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E-Mail: traverse@ems.psu.edu

15 Feb., 1996

Dr. Dorothy Guy-Ohlson
The Swedish Museum of Natural History
Box 50007
S-104 05 Stockholm, Sweden

Dear Dorothy:

Enjoyed your nice letter of 17 Jan. 96 very much indeed. At the time you wrote it we were in about the middle of a month's trip to California and back--we were in 23 different states. Purposes of the trip included 1. delivery of several tons of plant fossils to my former student, Nan Arens, who now teaches paleobotany at the Univ. California-Berkeley--and 2. having some fun--visits to Death Valley and Las Vegas were high points for me (for vastly different reasons!), as I had never been to either one.

Do you have an e-mail address? It's marvellous for quick queries and the like. No good for sending reprints. By the way, I never find time for general shipping of reprints, so send them when the spirit moves me, usually in connection with answering letters.

Thanks for the papers you sent, which I enjoyed reading in the back seat of the car this a. m. You may recall that it's set up as an office for me. (The fossils were delivered to CA in my new diesel truck, and I drove the whole 8000 miles--no reading on <u>that</u> trip.)

You have seen a lot of <u>Botryococcus</u>! As you may know, it was one of my first ports of call in palynology, almost 50 years ago.

Betty got her Ph. D. (mediaeval German) in May. Her dissertation will be published as a book, sooner or later. She is also working on papers based on her master's thesis, and other matters.

We are both fluent in German and try to keep it up. I have been studying Turkish for several years now, just for the fun of it. Took on T. mostly because "it was there"--probably the most difficult language of Europe. I have learned a heck of a lot of Turkish and still can't read anything except children's stories and can only answer the simplest of questions, mostly with "evet" (yes) or "hayir" (no).

Your duties as a political scientist sound rewarding--you must

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meet very interesting folks.

How's your son doing?

I guess you know I became emeritus in July '95. We have more time to travel--who knows, we may even turn up in Scandinavia one of these years.

All the best. We have very fond memories of your visit here.

Yours very truly,

Alfred Traverse

enclosures: publications

Hunt Institute for Botanical Documentation

Stockholm, 17/1/96

Dear Alfred,

It is such a very long time since there was any communication between us. For this I must apologise & take the blame. I simply do not manage to keep up-to-date with life, least of all my mail !!

I was pleased to receive your paper on fungal spores. I'm sure there is a great deal more to be done in this field of palaeopalynology & I hope it will attract young scientists starting out on their careers. Your paper also brought back happy memories of my visit to you a few years ago. It was a most enjoyable stay & from time to time I wonder how you & your wife are progressing with

(over)

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German conversation etc!

I have very little time for research these days. Since Sweden became a member of the European Union I have been given a lot of administrative duties & asked to be a member of the Earth Science Panel in Brussels (for the Directorate for Science, Research & Development). It means I commute to Brussels & participate in all too many meetings there. It is interesting, but a great deal of hard work.

I enclose some reprints. If I have already sent them to you, please forgive & pass them on to some-one else.

Every good wish for 1996 and kind regards to yourself & to your wife.

Sincerely,

Guy-Nilsson

(P.S. Please keep me on your mailing list for reprints. I still haven't given up all hope of doing some more research when time permits. :)

Hunt Institute for Botanical Documentation

Guy-Ohlson

SD 226
BOTANICAL GARDENS, BALBOA PARK

California Scene™
POSTCARDS



SAN DIEGO
25 OCT

AIRMAIL

22/10/91

Dear Alfred, I thought you might like to have this greeting from the 24th Annual Meeting of the AASP. It has been a most enjoyable & stimulating meeting with an emphasis on sequence stratigraphy & Devonian marine/non-marine correlation. All good wishes to yourself & Betty. Dorothy

Prof Alfred Traverse,
Palynological Laboratories,
485 DEIKE BUILDING,
UNIVERSITY PARK,
PENNSYLVANIA
PA 16802.

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18 October, 1991

Dr. Dorothy Guy-Ohlson
Naturhistoriska Riksmuseet
Paleobotaniska Sektionen
S-10405 Stockholm, Sweden

Dear Dorothy:

Holy Smokes! You are hard to keep track of. I'm always astonished when people who travel as much as you do get as much accomplished as you do.

Thanks for your WWF card from Paris, dated 29.IX.91. Wish I could hear some high points about the Jurassic conference!

Re Trilobosporites, etc.--I hope I got it into shape that won't offend you. As I said in my previous letter, I had no hope of using the miserable sporomorphs to date the rock exactly, but I hoped you'd agree that they weren't in conflict with the ±Early-Middle boundary Jurassic date suggested by other data.

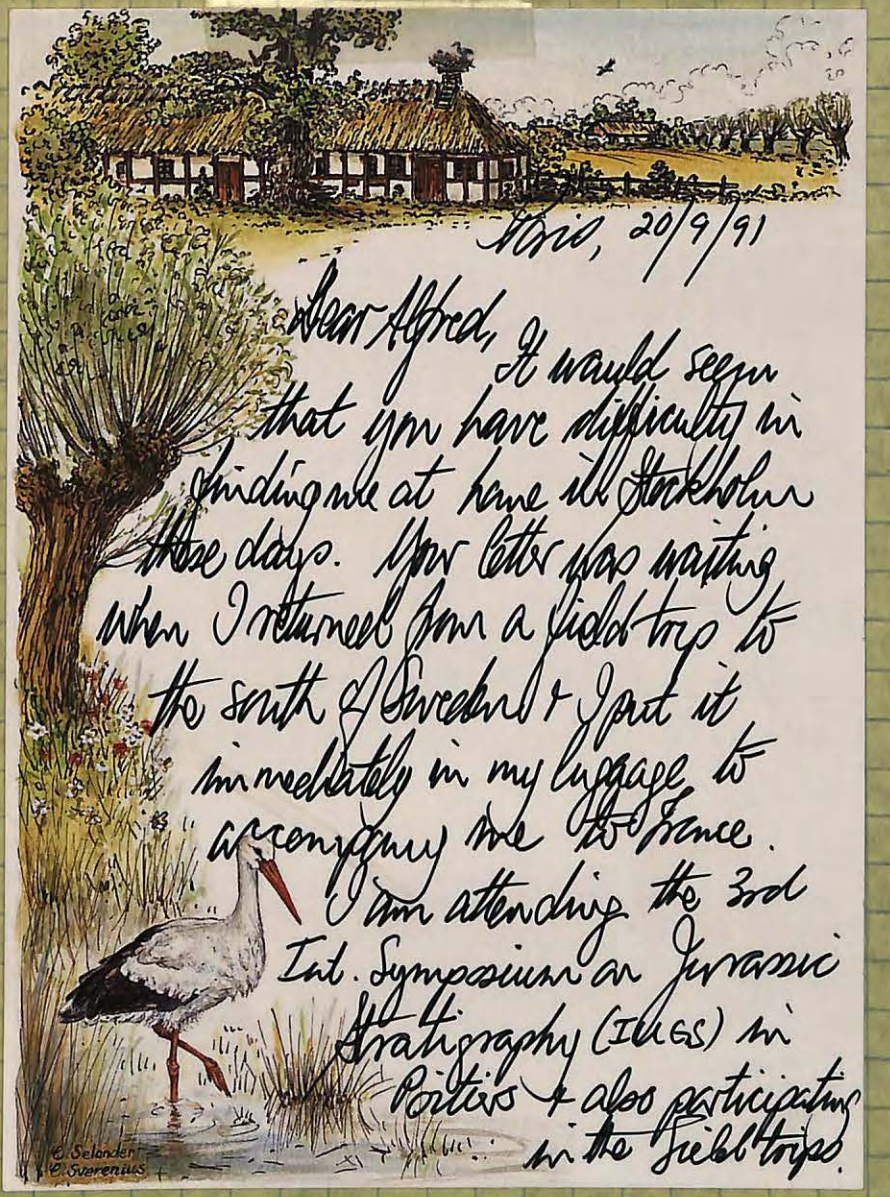
All the best.

Yours very truly,

Alfred Traverse

AT/et

Hunt Institute for Botanical Documentation



Oslo, 20/9/91

Dear Alfred, It would seem that you have difficulty in finding me at home in Stockholm these days. Your letter was waiting when I returned from a field trip to the south of Sweden & I put it immediately in my luggage to accompany me to France. I am attending the 3rd Int. Symposium on Jurassic Stratigraphy (ICGS) in Poitiers & also participating in the field trips.

D. Ohlson

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9 August, 1991

Dr. Dorothy Guy-Ohlson
Swedish Museum of Natural History
Section of Palaeobotany
S-104 05 Stockholm, Sweden

Dear Dorothy:

The MS with comments and your airborne letter of 3.VIII.91 came today. I just completed my revision of the thing, in view of your comments, and those of Bill Elsik about the fungal spores, and those of Sid Ash about the geology. Your comments were very useful, especially in getting me to state more clearly what I thought the pollen and spores show stratigraphically--i.e., not in conflict with an age of Early-Middle boundary J. However, I was a little perplexed by what seemed a conflict between my notes on our telephone conversation from Stockholm and the MS comments. Over the phone you said that if I corrected the Trilobo. to Matoni., the proposed age was not unbelievable. On the MS there is no comment about the the Matoni. business, and expression of grave doubts about the age. The revised MS has now gone back to Ash, as the co-author, and there's still time for you to respond to this problem. It was interesting to observe that Matonisporites is practically indistinguishable from Dictyophyllidites, and I was co-author of a paper with Ash showing that it is produced by Phlebopteris, one of the prominent plant megafossils in the flora associated with this palynoflora! Your suggestion of a palynofacies picture or two is a good one, but not really practical at this juncture for this paper. However, there is another paper in the works on another similar flora from the same bunch of suspect terranes (one of your geologists can explain this odd term for you!). I believe I can wangle a color plate for that one, and I'll take your suggestion at that point.

That covers it except to say thanks again.

Yours very truly,

Alfred Traverse

FAX FROM THE SWEDISH MUSEUM OF NATURAL HISTORY,
BOX 50007, S-104 05 STOCKHOLM, SWEDEN: FAX: --46/ 8 666 4085.

TELEFAX

Bestående av 1 *sidor inklusive denna*

Till: FAX: 0091/ 814 863 7823

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

Ärende:

Dear Alfred,

Just arrived back to Stockholm after being out of town for several weeks - been working away from the museum due to unforseen circumstances. Found a big pile of mail waiting for me on my return. Both your fax and manuscripts were among them. I'll read the manuscript this evening and return as soon as possible. Very sorry about this dealy. All good wishes as always

(21st July, 1991).

Från:

DR D. GUY-OHLSON, FAX No. --46/ 8 666 4085

Naturhistoriska riksmuseet
Box 50007
104 05 STOCKHOLM
Tel:(08) 666 40 00
Fax:(08) 666 40 85

Hunt Institute for Botanical Documentation

NATURHISTORISKA RIKSMUSEET
SEKTIONEN FÖR PALEOBOTANIK
104 05 STOCKHOLM
Tel. 08/15 02 40 Växel
08/15 23 50 Sektionschef

SWEDISH MUSEUM OF NATURAL HISTORY
SECTION OF PALAEOBOTANY
S-104 05 STOCKHOLM
SWEDEN

D. Guy-Ohlson

On a plane between
WASHINGTON, DC, and N.C (Durham)
3/8/91

Dear Alfred, This letter may be somewhat illegible — but I hope you can read it. I enjoyed reading your manuscript and find it interesting — especially the fungal finds seem to be excellently preserved. I am a bit more apprehensive about the dating. Many of the typical ('so called') genera are missing for a really good dating. You have only very slight indications apart from the certain marine dating in the sediments above your samples.

I've pencilled in comments here & there & hope that you will find them of interest & help. Most of them I took up with you on our telephone conversation. Can you possibly connect the micro/macro-vegetation — e.g. do your palynomorph species represent (botanical affinity) the megafossils that your co-author has found in the same samples? Has he found any spores 'in situ' in his megafossils?

I hope to be back in Stockholm after 18th August, as I will go to Oslo for the "Mesozoic Terrestrial Ecosystems & Biota" meeting directly after this Phycology Meeting. Best regards & all good wishes to you & Betty.

In great haste, Dorothy.

COPY

FAX FROM THE SWEDISH MUSEUM OF NATURAL HISTORY,

BOX 50007, S-104 05 STOCKHOLM, SWEDEN: FAX: --46/ 8 666 4085.

TELEFAX

Bestående av 1 *sidor inklusive denna*

Till: FAX: 0091/ 814 863 7823

Prof. Alfred Traverse

The Pennsylvania State University

Department of Geosciences

Palynological Laboratories

435 Deike building

University Park, PA 16802, U.S.A.

Ärende:

Dear Alfred,

Just arrived back to Stockholm after being out of town for several weeks - been working away from the museum due to unforseen circumstances. Found a big pile of mail waiting for me on my return. Both your fax and manuscripts were among them. I'll read the manuscript this evening and return as soon as possible. Very sorry about this dealy. All good wishes as always

Dorothy (21st July, 1991).

Från:

DR D. GUY-OHLSON, FAX No. --46/ 8 666 4085

Naturhistoriska riksmuseet
Box 50007
104 05 STOCKHOLM
Tel:(08) 666 40 00
Fax:(08) 666 40 85

Alfred, I have tried to send this to you 5 times on Sunday, but your machine wasn't receiving. DGO

PENNSTATE

The Pennsylvania State University
Department of Geosciences
503 Deike Building
(814) 863-7823 [FAX]
Date: 7/16/91

FAX TRANSMISSION

☐ Marked here if urgent reply is requested.

Transmission to:

Name: Dr. Dorothy Guy-Ohlson
Company/Institution: Naturhistoriska Riksmuseet, Stockholm
Department: Paleobotaniska Sektionen
Fax Number: 4618 666 4312
Phone Number: 4618 666 4142

Transmission from:

Name: Alfred Traverse

Phone Number: 814-863-3419

Total Number of Pages (Including Cover Page): 1

Message: Dear Dorothy—
Just wanted to be sure you received a draft MS from me for you to critique. Elsik agrees with me that the fungal spores are real and important, but he disagrees with most of my fungal systematics!
Best, Alfred

*If any portion of this transmission is unclear, please call 814-8631051

Hunt Institute for Botanical Documentation

Washington DC.
13th July, 1989.

Dear Alfred,

I have just spoken to Dr Carmen May. She tells me that she will drive back to Penn State on Tuesday, 18th July in the afternoon. She has invited me to travel with her. This invitation I have willingly accepted as my talk should be over in the early morning.

Dr May tells me that she will drive me to your lab

and that we should arrive if all goes well around 5.00pm. She has asked me to tell you to wait there please. I do hope this will not be inconvenient for you.

With best wishes and looking forward to meeting you again.

Dorothy.

Hunt Institute for Botanical Documentation

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23 June, 1991

Dr. Dorothy Guy-Ohlson
Naturhistoriska Riksmuseet
Paleobotaniska Sektionen
S-10405 Stockholm, Sweden

Dear Dorothy:

Enclosed is a copy of a first draft of a paper re a foray of mine into your area. Would you read and comment?

All the best.

Yours very truly,

Alfred Traverse

AT/et
encl: MS

Hunt Institute for Botanical Documentation

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19 March, 1991

Dr. Dorothy Guy-Ohlson
Naturhistoriska Riksmuseet
Paleobotaniska Sektionen
S-10405 Stockholm, Sweden

Dear Dorothy:

Yours of 5 March is in hand. It will be a pleasure to be of help, if I'm called on.

It is stunning to know that I'm old enough to be your father. I suppose it was obvious, but I'd never really thought of your age.

As to available jobs, I'll keep my ears open, but there are even students of mine who are also looking. American jobs tend to demand USA citizenship, but there are exceptions. I think you'd make a great professor.

The Permian of Antarctic paper appears to be the usual elegant piece of DGO work. Seems as if you should have been first author.

Best regards as ever, from us both.

Yours very truly,

Alfred Traverse

AT/et

Hunt Institute for Botanical Documentation

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

6 March, 1991

Dr. Dorothy Guy-Ohlson
Stockholm, etc.

Dear Dorothy:

Betty is taking care of a sick grandchild, so I am fending for myself--so, watch out! As I told you over the phone, I was in the teaching lab administering the mid-semester exam to the paleobotany class and keeping myself occupied by writing a letter to you when you called! Betty usually types my letters from my handwritten notes. This time I'm transcribing it myself.

Thanks for your reprints from the ICP volume and from Ore Geology Reviews- I still find it weird to find palynology there! Both were read with interest. Also, thanks for the musk-oxen card with message. When I was a small boy we had a "buffalo robe" that came to Michigan with us when my parents moved from Canada. It was for covering the feet and legs when driving a horse and sled in P. E. I., where I was born. It was actually a musk-ox hide made into a wonderful blanket.

We'll probably see you in 1992, as I'm determined for Betty to see something of Scandinavia during our sabbatical in Frankfurt.

All the best.

Yours very truly,

Alfred Traverse

P. S. I certainly hope "they" call on me for a reference for you. I'll get you in!

AT:at

PENNSTATE

Hunt Institute for Botanical Documentation

NATURHISTORISKA RIKSMUSEET
SEKTIONEN FÖR PALEOBOTANIK
104 05 STOCKHOLM
[redacted]

SWEDISH MUSEUM OF NATURAL HISTORY
SECTION OF PALAEOBOTANY
S-104 05 STOCKHOLM
SWEDEN

5th March, 1991.

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

Dear Alfred,

I should like to tell you how much I appreciate the fact that you allow me to use your name as a reference. I am not sure by any means that you will ever be contacted as procedures seem to vary from country to country.

In Sweden, one must select 15 papers which are representative of one's total production and write a brief account of one's experience in scientific research, teaching and other relevant activities. One must also enclose a curriculum vitae, a complete publication list, 4 copies of the 15 selected papers and one copy of all the other publications. For your own orientation I have enclosed copies of the account, the C.V. and the publication list. I presume you have the majority of my publications.

I have been pondering over the matter for some time and I feel this is perhaps an opportune moment to keep my eyes open and apply for jobs which come up in the next year or two. At 47 years of age I still feel full of energy, but carry the scars of having learnt a lot along the way. I thoroughly enjoy teaching at all levels and have had my share of administrative duties over the years. It would be nice to be able to pass on something to the next generation of students if the possibility arose. My son will be 18 years old this month and leaves school in June. I no longer am bound to stay in Stockholm for his school terms as obligatory military service awaits him and therafter a career and life of his own choice. I therefore intend to apply overseas as well. There are not many jobs around these days, but one never knows! If you happen to hear of any thing or see any advertisements which

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you think might interest me I'd be very pleased if you passed them on.

I was delighted to hear your news about a sabbatical in Germany. I'm sure that both you and Betty will make the most of every single moment. I sincerely hope it will be my pleasure to be able to welcome you to Sweden. There have been rather a lot of changes in Stockholm since your last visit so it would be interesting to hear your comments now! When exactly do you plan to commence your stay in Frankfurt?

With all good wishes to both of you and my sincere gratitude,



Dr Dorothy Guy-Ohlson.

Hunt Institute for Botanical Documentation

Stockholm
31/1/51

Dear Alfred, I appreciated your letter and the photos, but I was somewhat saddened by the contents. Life is strange — it was such a happy dinner together and the prospects of a such a happy future for all of you. Do you have any new research students? I'm sorry this card comes late — but the Museum didn't get them printed till after I left for New Zealand. I have now returned to the snow & extreme cold of winter which contrasts greatly to picking citrus

Gott Nytt År!

A Happy New Year!

D. Guy-Ohlson

Hunt Institute for Botanical Documentation

fruits in my father's garden!

I am busy working on several projects & dead-lines loom up in front of me. I hope to get back to my Triassic studies by mid April and will keep your suggestions in mind.

Naturhistoriska riksmuseet
Swedish Museum of Natural History
Stockholm

All good wishes to you & to Betty.

Dorothy.

Hunt Institute for Botanical Documentation

Sala-tryckeriet AB

THE PENNSYLVANIA STATE UNIVERSITY

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18 September, 1990

Dr. Dorothy Guy-Ohlson
Naturhistoriska Riksmuseet
Paleobotaniska Sektionen
Stockholm S-10405, Sweden

Dear Dorothy:

Many thanks for the very nice letter and its enclosures. The newspaper will be read carefully. We get a German-language paper from New York, but it's not in the same class as a real German paper, of course! (Betty just noticed that the paper is dated 7-IX-90--my 65th birthday!)

It was good to get the news of the Gee-Sander wedding. I remember him quite well from APP, but couldn't come up with his name. Carole is a truly international person and very nice withal. Thanks for the photo of them.

Re the Ginkgo seedlings: I have kept them in (bigger) pots outdoors in a protected location during the summer. Nine are still alive and seem ok. I plan to plant the survivors outdoors next summer (after keeping them in the garage partly covered with peat during the winter). We'll see! They are a nice souvenir of your visit here!

Have recently decided not to retire, despite 65th birthday as mentioned above. Have applied for sabbatical and Fulbright professorship to go to Frankfurt in Spring Semester, 1992. Am required to stay on here for two years after that, so won't retire until I'm at least 70.

All the best.

Yours very truly,

Alfred Traverse

AT/et (who thanks you very much for the congratulatory note re my M.A.! Can't seem to stop working, so am forging ahead--slowly, to be sure--on Ph.D.)

The Swedish Museum of Natural History
Section of Palaeobotany
Box 50007
S-104 05 Stockholm
Sweden.

5th September, 1990.

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

Dear Alfred,

Thank you for your letter dated 16th August and also for the one prior to that. I have a ***very*** bad conscience about not replying and keeping up to date with all the mail. It would seem that I am totally incapable of getting any order whatsoever into my life despite all my good intentions.

I was simply delighted to hear the ***good*** news about Betty! This is ***wonderful*** and I offer Betty my most sincere and profound ***C O N G R A T U L A T I O N S.*** I'm sure you must be very proud of her indeed! Thank you ever so much for sending me the newspaper clippings. I did appreciate that. It was a very good photo of Betty and in colour too. I expect, having reached this goal, that Betty will have yet more plans in mind and that together you will continue to study to even greater depths in German literature. I have such happy memories of my visit to Penn State and to your home last year. I can well imagine you both in your 'habitat'. You always seemed to me such a happy couple and got along so well together. It has been a privilege to meet you both. I know not whether our paths will cross again, but I wish you both continued joy, happiness and well deserved relaxation in your busy lives.

Yes, the card was from Carole Gee and her husband's name is Martin Sander. Carole spent a year of her Ph. D. studies here in Stockholm. During that time Martin came to visit her so I know them both rather well. I attended their wedding in Freiburg and enclose a photo which you might like to see. Martin graduated with his doctor's degree (speciality is palaeozoology if I remember correctly) from Zurich and Carole finished her post doctorate work at ETH. They have now moved to Bonn and seem to be settling down to their respective research at the Palaeontological Institute. They toured Scandinavia for their honeymoon, and visited me towards the end of their trip, hence I was also able to sign the postcard to you. I greatly appreciated Carole's enthusiastic company when she studied in Stockholm and we became firm friends and have kept in contact over the years since then. Carole told me that she met you at the APP meeting last year and that you spoke German with each other.

Hunt Institute for Botanical Documentation

I am wondering if you were able to plant any of these Ginkgo seedlings in your garden this year? I have thought about them often and pondered as to their progress.

I was sorry to hear about all the trouble with your mother. It is not an easy task and I feel for you. For my own part I seem to have found sorrow difficult to cope with. Since my own mother passed away I often find myself in deep thought about things of the past, and wishing I could speak to her and tell her things which have happened recently and which I know she would have liked to hear about. I phone my father regularly, but New Zealand is so very far away from Sweden that it seems sometimes almost as if he is in another world!

I try to concentrate on some scientific work, but I'm behind my time schedule so things are not going so well as I had hoped. When I get round to my analyses and approach the Triassic - Jurassic boundary I'll remember your interest and let you know.

Thank you once again for all your news. I appreciate more than words can tell that you keep in touch.

As always, my sincere best wishes,

Dorothy.

Dorothy Guy-Ohlson

(P.S. Please excuse all "misses" in this printout. I've got a new computer & I'm not quite familiar with it nor the printer. D.)

Hunt Institute for Botanical Documentation

THE PENNSYLVANIA STATE UNIVERSITY
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phone: 814-863-3419; fax: 814-865-3191

16 August, 1990

Dr. Dorothy Guy-Ohlson
Naturhistoriska Riksmuseet
Paleobotaniska Sektionen
Stockholm, Sweden S-10405

Dear Dorothy:

Just got a postcard from you, "Carole" and (illegible). I guess from context it's from Carole Gee?? She says she was on her honeymoon. I'd like to respond if my guess is correct, but is the man the boyfriend I remember from 1989? Do you know his (illegible's) name? Carole is a very nice person.

Hope you're flourishing. I am still in the throes of getting Mother's house sold, after getting her to a nursing home and the house cleared in May-July. Meanwhile we must begin our "Fall" Semester next week!

Betty got her M.A. last Saturday (see enclosure).

Yours very truly,

Alfred Traverse

AT/et
encl: clipping

Hunt Institute for Botanical Documentation

THE PENNSYLVANIA STATE UNIVERSITY
DEPARTMENT OF GEOSCIENCES
PALYNOLOGICAL LABORATORIES
435 Deike Building
University Park, PA 16802
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18 May, 1990

Dr. Dorothy Guy-Ohlson
Naturhistoriska Riksmuseet
Paleobotaniska Sektionen
S-10405 Stockholm, Sweden

Dear Dorothy:

How nice to hear from you! As I write I sit again in my mother's kitchen. My sister and I were summoned here by the nursing agency because they are giving up, irrevocably. We are trying to get Mother into some sort of care-facility, but it's difficult under the circumstances.* It's also sad, because with just a little more patience on the part of neighbors, Mother could probably have stayed where she knows her way around, etc.

On a more cheerful note--10 of the D-A ginkgos have leafed out and are alive.

I enclose the filled-out questionaire--am not sure I did it "right"!

All the best.

Yours very truly,

Alfred Traverse

*As of last Friday, I drove Mother to my sister's town near St. Louis, and she is now in a nursing home there--she's (or was when I left) very upset, but there was nothing else we could do. The place is quite nice as those places go, and my sister will be able to visit often.

AT/et
encl: questionaire

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Inez Ahlson

Stockholm,
17/4/90

Dear Alfred, Thank you for your card. I'm afraid I don't really feel in equilibrium with life! I find myself very tired & often despondent – perhaps a normal reaction to sorrow. I managed to pull myself together & present two papers –

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fax: 814-865-3191

6 February, 1990

Dr. Dorothy Guy-Ohlson
Naturhistoriska Riksmuseet
Paleobotaniska Sektionen
S-10405 Stockholm, Sweden

Dear Dorothy:

Yours of 16 January was a shock. I am very sorry to hear about your mother. I remember your discussing her when you were here. It's fortunate that you and your son were able to arrange to go to New Zealand for the funeral. Too bad it couldn't have been possible to have given your mother a few years from each of our mothers. Their lives have become a travesty on what life should be.

Perhaps your father will now spend time with you in Sweden?

It was a great pleasure to have you here last summer, and I hope you can come back one day.

All the best.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

Hunt Institute for Botanical Documentation

Stockholm
16/1/90

Dear Betty & Alfred,

I returned to the Museum yesterday after a 4-week-absence and find I must now handle an overpowering amount of mail. My Mother passed away on 18th december and this necessitated rapid transport to the otherside of the world. This was an almost impossible task at Christmas time, but my son & I were able to attend the funeral in New Zealand, where my parents have resided for the past 18 years. It has been a sad time for us and I am still feeling the effects of 12 hours jet lag.

I wish to thank you for all your kindness to me last year & for my stay at Penn State. I enjoyed my academic visit as well as appreciating to get to know you better. I hope you have had a happy, peaceful & relaxing festive season and I wish you all the best in the year to come.

Happy New Year,

Dorothy.

Dry-O.

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Stockholm
18/10/89

Dear Betty,

I'd just like to say a special thank-you to you for packaging and sending all the books and printed matter to me. I appreciate very much all the time and energy you have spent on this task. All the literature will be put to good use – I assure you. Everything seems to have arrived safely though

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the postage times between the U.S. and Sweden seem to vary considerably!

I hope you are able to find time for your German studies and that you continue to enjoy them.

With sincere thanks for all you have done for me.

Dorothy.

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NATURHISTORISKA RIKSMUSEET
SEKTIONEN FÖR PALEOBOTANIK
104 05 STOCKHOLM
~~Tel. 08/15 02 40 Växel~~
~~08/15 22 50 Sektionschef~~

SWEDISH MUSEUM OF NATURAL HISTORY
SECTION OF PALAEOBOTANY
S-104 05 STOCKHOLM
SWEDEN

18/10/89

Dear Alfred,

Time passes so quickly and I don't ever manage to get up-to-date with the incoming mail. I thank you for your letter and reports on the progress of the Ginkgo biloba seedlings. I regret to see that not so many are surviving. Perhaps with the remainder you might like to divide them up into several different groups and treat them differently. Perhaps you could get some more top cover soil from their original habitat! I'll be interested to have a further report from you when time permits.

I'm pleased to be able to tell you that all the mail from Penn State has arrived safely. Thank you very much indeed for arranging this for me. I note from the daily newspaper two days ago that the Swedish Postal Service has signed a completely new contract

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with a new air distributor so we will hope that the service between the U.S. & Sweden will improve greatly.

I look forward in the future to being able to work with you on a Triassic/Jurassic boundary project if at all possible. When I've gone through all my core samples I'll let you know. So far they are still in preparation. We've had a lot of trouble with our fume cupboards & have had to close them for repair during the last month.

I trust all goes well at your department and with your family.

Thank you for all the happy memories I have of Penn State.

Best wishes,

Bentley.

Guy-Ohlson

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DEPARTMENT OF GEOSCIENCES
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435 Deike Building
University Park, PA 16802
(814)863-3419

12 September, 1989

Dr. Dorothy Guy-Ohlson
Naturhistoriska Riksmuseet
Paleobotaniska Sektionen
Stockholm S-10405, Sweden

Dear Dorothy:

Well, now we've heard from you in some depth! We really enjoyed the encomiums, perhaps partly deserved. I wish I could spread the message that selection of a mate is a project, the most important of a lifetime. We both wonder if Korean match-making by the families is not better than the lottery some of our children have tried.

However, we'd still like, when you have a minute, to hear about the New York bit. Did you meet other Swedes at the Aberdeen? Were you mugged? How did the train trip go? Etc.

The coffee table book about Sweden in German will be fun--will be read in the car, as soon as Exerzierplatz von Siegfried Lenz zu Ende gegangen ist. The little book about the Swedes will also be good sport. Many thanks!

I also want to hear about whether we could do a joint thing somehow on the Tr/Jr boundary.

I am, you'll be glad to know, started on the cleanup of 434--boxes being opened and contents sorted, etc.

All the best from us both.

Yours very truly,

Alfred Traverse

AT/et

Hunt Institute for Botanical Documentation

Stockholm,
20th August, 1989

Dear Betty and Alfred,

I have just returned to Stockholm after spending 3 weeks on continental Europe with my son. Settling down again here at the museum is difficult after such a long absence (8 weeks) & it would appear that a thousand things await my attention all at once!

I have reflected much over the happy time I spent with you at Penn State. For me it was stimulating to be able to work in an academic environment so very different from my own. I value, more than words



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can tell, your enthusiastic welcome to your department and your willingness to allow me to examine the slide collections of particular interest to me. I was specially pleased to see specimens of species which were quite unfamiliar to me, and I now feel better equipped to look at the Swedish Triassic.

It was a very wonderful insight for me into the working relationship between two people in their home and at their place of employment. I admire you both very much for what you have been able to achieve together. You both seem to understand each other, get on very well together and complement each other. I feel



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privileged to have been able to witness such a remarkable union! Despite all your trials & tribulations you are able to pull through together in splendid harmony. It was so refreshing to observe you together, a combination which works not just in theory but also in practice! It was simply wonderful! I only wish more couples could find together what you have.

Both of you have spent much time, energy & money both helping and entertaining me. I truly appreciate all your thoughtful kindness & hospitality.

It is my earnest hope that one day I will be able to welcome you both to my own home, no matter where that

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may be in this world.

With deep gratitude for all you have done for me.

Dorothy.

P.S. 1) On my desk there is a huge pile of mail from Penn State – still unopened. I will answer in due course of time.

2) Please give my kind regards to all your students.

3) The enclosed booklet might bring back some amusing memories for Alfred.



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3 August, 1989

Dr. Dorothy Guy-Ohlson
Naturhistoriska Riksmuseet
Paleobotaniska Sektionen
S-10405 Stockholm, Sweden

Dear Dorothy:

It was fun to have you. I should have discussed an important matter--I have a big interest in the Triassic/Jurassic boundary. Does any of your "Rhaeto/Liassic" stuff offer a possibility of independent control of that boundary? If so, I'd very much like to study the stuff jointly with you from several points of view. Enclosed a sheet from Bailey's "Cyclopedia of Horticulture" re the plants you gave me. (Thanks again.)

You will be interested to know that I finally solved the problem of the source of my two pages of notes--Charlie Beck's "Origin and evolution of gymnosperms" (1988).

Once again, we enjoyed having you. You'll always be welcome.

Yours very truly,

Alfred Traverse

AT/et

Hunt Institute for Botanical Documentation

Washington, D.C.
July 9-19, 1989

11th July, 1989

Prof. Alfred Traverse,
The Pennsylvania State University,
Palynological Laboratories,
University Park,
Pennsylvania.

Dear Alfred,

I appreciated so much receiving your express letter before I left Stockholm. Thank-you very much indeed. I have now arrived safely in Washington D.C. and found it difficult to find Dr Carmen Moy among 6000 geologists from over 100 countries. (!) I left messages at the message centre - but to no avail to begin with.

At last, this morning we bumped into each other. I have explained that though I would love

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-2-

to travel back with her on the 16th July, I regret that I must stay until the morning of the 18th July as my lecture is on that day! Dr Riley says that she may stay on until the 18th - but will let me know on Thursday. If she stays I will gladly travel with her as it would be a wonderful opportunity to see a part of the U.S. I've never seen before.

If Dr Riley does not stay then I will book a flight for the 17th July and will write & give the details of time of arrival to you. I hope this does not cause you too much inconvenience.

Looking forward to my visit to you.

Dorothy.

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PENNSTATE

INTER-OFFICE CORRESPONDENCE

Date: July 10, 1989

From: Donna McClain

To: A. Traverse

Nittany Apartments

This memo is to confirm the housing arrangements for Dr. Dorothy Guy-Ohlson during the period July 20 through August 3, 1989.

Her stay will be for 14 nights at $30.00 per night and the total cost will be $420.00. 14 = $420.00

When she arrives on campus, she should come to our office located at 101 Shields Building to make payment and obtain a copy of the guest invoice which she will take to the Nittany Community Center to obtain a key. The operating hours are from 8:00 a.m. to 5:00 p.m.

The apartment rate will include only bed linen and electricity. No cooking or eating utensils will be provided.

If there are any additional questions or concerns, please feel free to contact me.

dm
cc: L. DuBois
M. Yarnell

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

Date: 3 July, 1989

From: A. Traverse, 435 Deike

To: Donna McClain, 101 Shields

Re: Visit of Dr. Dorothy Guy-Ohlson

Please reserve a room with bath and kitchen facilities for the abovementioned Swedish scientist for 20 July - 3 August. We understand that the price of $30/night includes everything except telephone and towels.

Dr. Guy-Ohlson will be working in our laboratoy and can be reached during her visit through me at 434-435 Deike, phone 863-3419.

AT/et

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NATURHISTORISKA RIKSMUSEET
SEKTIONEN FÖR PALEOBOTANIK
104 05 STOCKHOLM
Tel. [redacted]
[redacted]
46/8 666 4142

SWEDISH MUSEUM OF NATURAL HISTORY
SECTION OF PALAEOBOTANY
S-104 05 STOCKHOLM
SWEDEN

22nd June, 1989.

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

Dear Alfred,

I apologise for the very long silence which unfortunately has been partly due to unexpected illness, which has made my normal every day life somewhat impossible. I have tried to contact you by phone several times in the last few days, but so far have been completely unsuccessful.

Sad to say, I did not receive the larger amount of money I had applied for in order to make a six week visit to you. I postponed writing to you with such negative news until the results of another application became available. The news there was positive, but only funds for a two week visit I'm afraid. I write now to enquire if it would be still convenient for me to come and visit you at Penn. State but only for the two weeks directly following the 28th International Geological Congress in Washington D.C.? I realise this is not exactly what was planned and I am willing to try for more money another year or perhaps could come in connection with some other meeting in the States which is more convenient during the academic term. If you do approve and agree, however, to my two week visit would you please be so kind as to book some kind of cheap room for me from the 20th July until the 3rd of August.

I apologise most profoundly for any inconvenience I have caused you. I hope you and your wife had a happy and successful trip to Europe and I look forward to meeting you again, at least in Washington.

Yours sincerely,

Dorothy

Dorothy Guy-Ohlson.

Hunt Institute for Botanical Documentation

PENNSTATE

(814) 865-6711

Department of Geosciences

503 Deike Building
The Pennsylvania State University
University Park, PA 16802

435 Deike Building

June 30, 1989

863-3419

Dr. Dorothy Guy-Ohlson
Swedish Museum of Natural History
Section of Palaeobotany
S-104 05 Stockholm,
Sweden

Dear Dorothy:

Yours of 22 June just in. Of course, you are welcome 20 July - 3 August. It is disappointing that you can't be here during the Fall Semester, which starts in late August. But I understand.

Because of my nearly two-month absence in Europe, and two further family-necessitated trips, I have decided that I just can't go away again and will not attend the IGC.

However, several of my graduate students and my post-doc, Dr. Carmen Moy (who says she knows you), will be at the meeting. Dr. Moy will be driving her own car, and she says you would be most welcome to return here with her, if you like. She may, however, leave DC as early as Sunday, 16 July. This is just a thought - a more interesting way to get here than flying. You can look up Carmen at the meeting.

We will arrange suitable housing for you. Betty (my wife) and I would like to have you for the first few days as guests at our home in the country.

See you in a few weeks. Have a good and safe trip.

Yours very truly,

Alfred

Alfred Traverse

cc: Dr. Carmen Moy

/jb

P.S. 1) I tried phoning, but we got an "automatic disconnect each time.

2) It would be nice to hear from you at the IGC re your arrival [illegible] etc.

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1 March, 1989

Dr. Dorothy Guy-Ohlson
Naturhistorika Riksmuseet
Paleobotaniska Sektionen
Stockholm 50, Sweden

Dear Dorothy:

It was good to hear from you per yours of 4 Feb., which took an awfully long time getting here and then arrived during my absence (I was in Michigan with my Mother).

I'll answer your queries by the numbers:

1. The only time that would be impossible is 20 April-5 June, as I will be in Europe (Switzerland, Austria, Germany) for conferences (and some actual vacation).

2. I am arranging a formal invitation for you from the Head of the Department of Geosciences, per your #6. Presumably this letter itself will substantiate that Traverse welcomes your visit!

3. Housing for 6 weeks is a somewhat difficult thing--2 months would be easier, especially if we're talking about sub-letting an apartment in town. However, there are a few university rooms for visitors, and I'll get onto that, if it would be agreeable. Sublet of a small furnished apartment in town would be around $400 per month, but availability would depend entirely on when you come. Our Fall Semester begins shortly after 20 August and students begin arriving then to reclaim their apartments. Sublets are usually arranged before students leave for summer holidays in early May, and students prefer to sublet for the entire summer. Still, worth investigating. My daughter is a rental agent by profession and will be helpful to you as a resource person. An inexpensive but o.k. motel room, possibly (but not usually) with cooking facilities would be about $200 per week, and the on-campus housing is about $150 a week. These are very rough estimates. I am sure we can arrange something that will be agreeable. What is your $ ceiling? Also, the sooner we know the exact dates, the more easily we can make arrangements.

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4. Food would be almost your only other expense. You will be able to walk most places, get rides, or take the town or campus bus. I see no reason why all this should cost more than $10 per day, much less if you get a place where you can cook. This is not an expensive area, except for town rents.

5. No "bench fee." If you were to get into processing hundreds of rock samples, we would like a few $ to buy chemicals. But, within reason, I'd be able to absorb even a modest amount of that. (Incidentally a "lab-warming" gift of a few very productive samples for me to work on with students would be much appreciated.)

6. See #2.

7. If you will be here after 20 August, please bring some slides, so that you could give a talk to the palynology class, and perhaps a public lecture as well. Actually, I am a little worried that "6 weeks" will mean you will see almost nothing of our normal university life, since the abbreviated Summer Session (in which I am not involved) ends 1 Aug. and the Fall Semester doesn't begin in earnest until right after 20 Aug.

I will go ahead and get this off. The formal letter from Dr. Alexander, Department Head, will follow.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et
cc: S. Alexander

Hunt Institute for Botanical Documentation

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SEKTIONEN FÖR PALEOBOTANIK
104 05 STOCKHOLM
[redacted]

— 46/8 666442

SWEDISH MUSEUM OF NATURAL HISTORY
SECTION OF PALAEOBOTANY
S-104 05 STOCKHOLM
SWEDEN

4th February, 1989.

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

Dear Alfred,

Thank you for your letter dated 28th December which I received two weeks ago. I should like very much to spend approx. 5 to 6 weeks at your department if it can be arranged and if I receive the grant of money for which I intend to apply. I have awaited the arrival of grant application forms before replying to you as I suspected I would like to ask you some specific questions after reading them through.

I am now pondering over the following points:

1) Is there any particular time which is definitely inconvenient for you or for that matter definitely convenient? Must my visit be during the academic year, i.e. September to May, or would it be possible for me to visit your department the 6 weeks directly following the 28th International Geological Congress which is being held as you probably very well know in Washington, D.C., from the 9th to 19th July, 1989?

2) Do I require to have anyone else's permission to visit you and your laboratory, e.g. do I have to write to the head of the Department of Geosciences?

3) What kind of accomodation is available? I am naturally interested in a cheap, relatively clean room for myself. Approx. how much money would I need to apply for to be able to pay for accommadation for 6 weeks in Pennsylvania?

4) How much money (excluding that for accomadation) do you think I would need to be able to exist for a 6 week period (no luxuries - only a minimum amount)? Any time I have visited the U.S. it has been for conferences in large cities and to me it has always seemed frightfully expensive!

5) Do you charge a so called "bench fee" from visiting scientists who occupy space in your lab and use a microscope to look at reference slides, and if so, how much is it per week please?

6) If it is necessary for me to provide evidence that I am actually welcome to visit you, at your convenience naturally, would you be willing to supply an official letter of invitation or at least be willing to confirm my statements?

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7) Is there anything that you would like me to do specifically for you during my proposed visit?

I think these are all the questions I have at the moment. I will await your reply before completing the application forms, which incidently I intend to submit by the end of March. Please let me know your thoughts on the matter.

With kind regards,

Yours sincerely,

D. Gaston Guy-Olson

P.S. My sincere thanks for sending me your reprint "Plant evolution dances to a different beat". I am interested in the subject but so far have not been able to find the time nor the energy to commit myself to detailed study of it. Your talk in Australia aroused my interest again and I am extremely grateful to have my own copy of such a good comprehensive and well thought out synopsis.

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SWEDISH MUSEUM OF NATURAL HISTORY
SECTION OF PALAEOBOTANY
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SWEDEN

14th December, 1988

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

Dear Prof. Traverse,

You will recall that in Berlin (1987) I spoke to you briefly about my interest in spending some time away from Stockholm. I feel much in need of "sabbatical leave" from here in order to concentrate on writing up some almost complete research projects and if possible I'd like to get some new impulses and stimulating ideas from visiting another geoscience department.

I am considering at present applying for external funding which would make such leave possible, but I naturally need to have contact with a professor and institute who would be willing to have me as a guest and provide me with working facilities. I should like to enquire if there is any possibility of coming to your department? I would be interested to work under you and am open to all suggestions, though I would appreciate being able at least part of the time to examine microscopical slides of Triassic pollen grains and spores for reference purposes as I have recently commenced work on Swedish early Late Triassic drill core material.

I trust you do not find my enquiry presumptuous and I will fully understand if you do not wish to commit yourself in any way. If you are not personally interested I would appreciate it if you could suggest some other scientists and/or institutes who may be interested in having such a visitor.

With sincere good wishes,

Dorothy

Dorothy Guy-Ohlson.

P.S. I enclose a publication list for the past five years in order to give you some idea what I've been working on recently.

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(The references are arranged in chronological order.)

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24. Guy-Ohlson, D., Ohlson, N.G. & Lindqvist, B., 1986: Fossil palynomorph deformation and its relationship to sedimentary deposition. 17:e Nordiska Geologmötet, Helsinki University, Finland. Abstract volume: 52.

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26. Guy-Ohlson, D. & Lindqvist, B., 1986: The presence and significance of reworked Carboniferous spores in Swedish Mesozoic sediments. 19th Annual Meeting of American Association of Stratigraphic Palynologists combined with the Commission Internationale de Microflore du Paleozoique. Abstracts volume: 14 (published also in 1987 in Palynology 11: 231).

27. Guy-Ohlson, D., 1987: Jurassic palynology of the Vilhelmsfält Bore No. 1, Scania, Sweden. Toarcian-Aalenian. British Micropalaeontological Society Meeting, Aberdeen, Scotland.

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32. Guy-Ohlson, D., 1988: Reconstruction of a Toarcian ecological profile. Third International Organization of Palaeobotany. University of Melbourne, Melbourne, Australia. Abstracts volume: 10.

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34. Lindqvist, B. & Guy-Ohlson, D., 1988: A Classopollis potpourri. 7th International Palynological Congress, Brisbane, Australia. Abstracts volume: 96.

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37. Guy-Ohlson, D., 1983: Book review of Klaesson, P. & Olsson, B.O.: Vindelfjällen. The animals and nature of Sweden's largest nature reserve. Bonniers Fakta, 1983, 96 pages with illustrations. Fauna och flora 78 (6): 297-298 (in Swedish).

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

28 December, 1988

Dr. Dorothy Guy-Ohlson
Naturhistoriska Riksmuseet
Paleobotaniska Sektionen
Stockholm 50, Sweden

Dear Dorothy:

Thanks for your nice letter of 14 December. First of all, please don't be so respectful--just "Al" (what 99% of the population calls me) or "Alfred" (which I prefer, in vain) would be nice.

I was somewhat startled and flattered to learn that you might want to work here. I would have thought I should take direction from you! Your interest in Triassic palynomorphs, of course, is a strong bond between us. We have pretty good collection of such here, as well as ongoing research effort.

Of course, if you wish to come here it could be arranged. (It surely would be a contrast with Stockholm!) Most of such (rather frequent) ~~such~~ requests I have to turn down because the enquirer also seeks funding, and I am not good at finding dollars. But apparently you would come with your own funding.

Other persons and places to consider for Triassic/Jurassic would be Visscher at Utrecht, Norris at University of Toronto, Schweitzer at Bonn (and other Germans nearby), Chaloner at London, the Playford-Dettmann-de Jersey axis at Brisbane, Doubinger-Adloff, etc., at Strasbourg, to mention the ones that just pop into my mind.

Thanks for the reprint, etc., which are the start of a Guy-Ohlson folder.

Yours very truly,

Alfred Traverse

AT/et

Hunt Institute for Botanical Documentation

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

29 November, 1988

Dr. Dorothy Guy-Ohlson
Naturhistoriska Riksmuseet
Paleobotaniska Sektionen
Stockholm 50, Sweden

Dear Dorothy:

Can't recall for sure thanking you for the copy of your Tasmanites life cycle paper and the nice aerial photo-card of the Naturhistoriska Museet and vicinity. Just reread the paper with interest and admiration.

The bad cold is history, but it dogged me for, all told, about three weeks. As we say, it was "a lulu!".

Yours very truly,

Alfred Traverse

AT/et

Hunt Institute for Botanical Documentation

THE PENNSYLVANIA STATE UNIVERSITY
COLLEGE OF EARTH AND MINERAL SCIENCES
UNIVERSITY PARK, PENNSYLVANIA 16802

Department of Geosciences

Palynological Laboratories

Area Code 814
865-2342
863-3419

July 25, 1988

Dr. Dorothy Guy-Ohlson
Naturhistoriska Riksmuseet
Sektionen För Paleobotanik
104 05 Stockholm 50
Sweden

Dear Dorothy:

Thanks fo much for the reprints. I found the palynomorphs deformation paper especially interesting. You may be on the track of a whole new field of work!

All the best! Perhaps we'll see you in Brisbane.

Yours very truly,

Alfred Traverse

/jb

Hunt Institute for Botanical Documentation

SCIENCE

Author/Title: Guy-Ohlson, D. 'The Life History of [redacted]imitive Green Microalgae from [redacted] Jurassic of Sweden'

RE12954

Corresp.

Comments for transmittal to author

(Please restrict comments regarding acceptance of the paper to space below the perforation)

ugh I am recommending publication, I believe that the paper was put together a little too edly and could be greatly improved. Abstr. sent. 2, It is not true that green algae in al have no previous fossil record, except as cysts. Botryococcus could be mentioned as just xample; sent. 4 seems to say that pyrite replacement helped in the detection of the phases. ything (fide figs.), it hurt!; the statement that the work facilitates comparison of fossil xtant prasinophytes is a truism. Perhaps it should be enlarged upon in the text if there is to it than meets the eye. p. 2, para. 4, 2nd sentence is run-on and prob. should be divided o better statements.; Same p., para. 5--what acids? Why refer to Mädler here? Just describe ethods fully, unless standard, in which case they can be so characterized, e. g., "HF digestion." para. 4, l. 4 How was it shown? X-ray? Better state it; p. 4, para. 1 This paragraph seems oat free. It needs to be introduced by a sentence or so that knits it into the rest of the . para. 2, l. 3, reference to fig. 1C seems wrong--it doesn't look "deformed"; p. 5, para. 2, What does the statement "found freely" mean?; p. 6, para. 2, l. 5, alaband should be explained Do the authors really mean that larger numbers of pyritized masses are known in extant genera? s what the sentence says, but I doubt that's what meant; Fig. 1 seems to us to be in need of vement. The individual pictures should not be so closely cropped. 1-B is of poor quality. enlargement of critical sections of a few of the photos would improve the presentation. A e of pictures of extant phycomata would probably be helpful, though this is not cal.

(Continue on additional sheet if necessary)

Overall evaluation

- ☐ Excellent and exciting, merits rapid publication.
- ☒ Above average, publish if space is available.
- ☐ Mediocre or poor, should not be published.
- ☐ Belongs in a more specialized journal.

If you recommend publication in Science, please check one or more of the following:

- ☐ Opens a new and significant area of research.
- ☐ In an established field, rates in the upper: _____1% _____5% _____10% _____20%
- ☐ Provides important information of broad interest to the scientific community.
- ☒ Is important to specialists in three or more disciplines, namely: palynology algology Paleobotany

Confidential comments:

armen Moy, who is a post-doc in our lab, has also read the paper. I asked her to is because she is studying acritarchs, and this work was "down her alley". I am nsible for the framing of the above critique, however.

Alfred Traverse

Advisor's name: Dr. Alfred Traverse

13750

Date

Hunt Institute for Botanical Documentation

16 August, 1985

Dr. Dorothy Guy-Ohlson
Sekt. för paleobotanik
Naturhistoriska riksmuseet
Box S-104 05 Stockholm,
Sweden

Dear Dr. Guy-Ohlson:

Thanks so much for the marvellous packet of things you sent. The note on the back of the stunning aerial photo of your building was most kind (and the card itself a nice addition to my collection of picture postcards).

The Jurassic-Triassic papers we can and will use directly in our work. I am giving the extra copy of the Rhaeto-Liassic paper to Ronald Litwin. I especially liked the range charts from the Cambridge, Dec., '84 meeting.

The contribution on reworking in the Tornquist book was very interesting. I read all papers with profit.

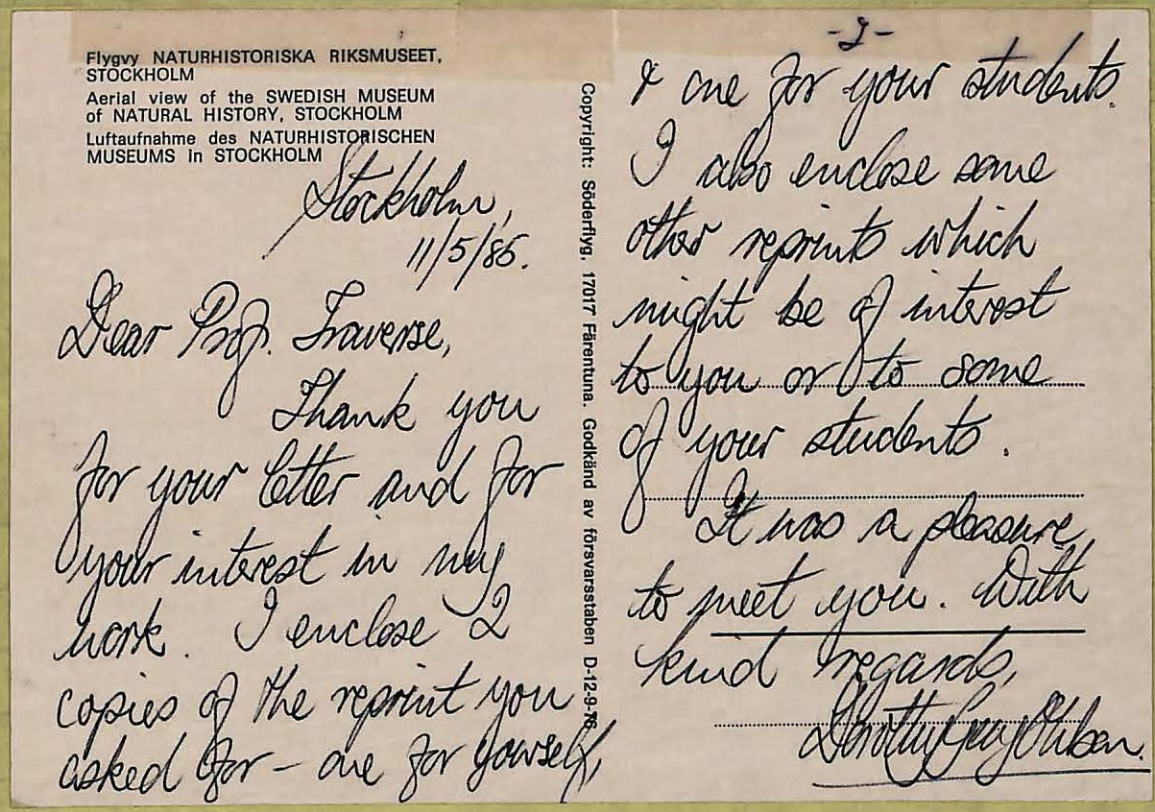
Best wishes.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

Hunt Institute for Botanical Documentation



Flygvy NATURHISTORISKA RIKSMUSEET, STOCKHOLM
Aerial view of the SWEDISH MUSEUM of NATURAL HISTORY, STOCKHOLM
Luftaufnahme des NATURHISTORISCHEN MUSEUMS in STOCKHOLM

Copyright: Söderflyg, 17017 Färentuna. Godkänd av försvarsstaben D-12-9-76

Stockholm,
11/5/86.

Dear Prof. Traverse,

Thank you for your letter and for your interest in my work. I enclose 2 copies of the reprint you asked for - one for yourself,

-2-

& one for your students. I also enclose some other reprints which might be of interest to you or to some of your students.

It was a pleasure to meet you. With kind regards,

Yours sincerely,
Lennart Gerhard Olsson.

Lars-Olsson

Hunt Institute for Botanical Documentation

25 April, 1985

Dr. Dorothy Guy-Ohlson
Sektionen för paleobotanik
Naturhistoriska riksmuseet
Box 50 007
S-10405 Stockholm, Sweden

Dear Dr. Guy-Ohlson:

Is there a chance you still have a reprint of your 1981 paper, "Rhaeto-Liassic palynostratigraphy of the Valhall bore No. 1, Scania"? I am using a xerox copy I made from the library, but a reprint would be more useful to my students and me.

Best wishes.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

Hunt Institute for Botanical Documentation