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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.

From: Martin.B.Farley@EUSA.EXXON.sprint.com
Return-path: <Martin.B.Farley@EUSA.EXXON.sprint.com>
To: bettyandal@juno.com
Date: Wed, 11 Nov 1998 18:13:35 -0500
Subject: Large cities
Message-ID: <0055670000981500000002L702*@mhs>
X-Status: Read

Exxon Exploration Co.
Hi, Alfred:

Back from Toronto, where I saw a few palynologists (Doug Nichols, Cortland Eble) but not the local one (Norris). Geoff wasn't at the last meeting I attended in Toronto (AIBS/BSA '89) either. The highlight of the Penn State alumni reception was a conversation I had with Tom Gardner, who had some nice things to say about you. Rudy merely mentioned that you weren't happy with his recent activities, which I already knew. Are there any biologists in Astrobiology or are ore deposit geochemists sufficient?

At the plankton people meeting, Jere Lipps led a reprise of his contentious talk of 15 years ago (What, if anything, is micropaleontology?). Then Lipps said that there was a problem that a large group of micropaleontologists (that is, those in industry) had no communications with rest of the scientific community. When he mentioned this in Toronto, I pointed out that that problem is effectively solved: there are almost no industrial micropaleontologists left. Some further discussion went on, but the whole thing was ended somewhat prematurely when the hotel fire alarm went off.

Desmond Collins of the ROM lent Kirk Johnson the counterpart of the only complete *Anomalocaris* specimen for display in Denver. This came in a ROM gift shop plastic bag "carefully" wrapped in three sheets of newspaper. So Kirk unwrapped it on the subway back to the hotel, so he, Brian Huber (Smithsonian foram curator), and I could have a look. Kirk did say he'd buy some bubble wrap before leaving for Denver. The informality of most paleo museum loans is astonishing.

For what it is worth, Ensenada is close to San Diego, which is larger than Boston, and it has a palynologist willing to organize a meeting. I assume Boston's most important educational institution of all is either MIT or Boston Latin.

Nick Butterfield gave a talk more or less identical in content to his paper in the new *Geology* on Neoproterozoic acritarchs and "possible dinoflagellates."

The evidence presented in both places on the "dinos" is inadequate. Just showing that some bodies tear in a way reminiscent of dino plate boundaries is no good unless you can show that these patterns are repeated on multiple specimens.

There is still a place for AASP and its meetings, because straight morphology/taxonomy is not given at GSA/Paleo Society. Essentially all talks embed such matters in discussion of evolution, phylogeny, or paleoecology. AIBS would be a reasonable locale for joint meetings too. Not only is there the Paleobotany Section, but at least for AIBS meetings that include ESA, its Paleocology Section (=Quaternary palynology) would be relevant.

They showed the Michigan debacle here but I didn't watch it all as I went out to walk in the woods and enjoy the mid-November opportunity to be attacked by large numbers of voracious mosquitoes.

Sincerely yours,
Martin Farley
(281) 423-7513
martin.b.farley@exxon.sprint.com

From: bettyandal
Full-Name: Alfred or Elizabeth I. Traverse
To: Martin.B.Farley@EUSA.EXXON.sprint.com
Subject: Re: Various
References: <0055670000719458000002L782*@mhs>
X-Status: Unsent

Hi, Martin:

Nice to hear. Give me a break. Woods Hole is a very major oceanographic institute in the IMMEDIATE vicinity of two or three major cities and at least ten major educational institutions, including the most important one of all. I never before heard of Ensenada.

When AASP was founded, I remember being one of those who was strongly against meeting jointly with anybody, but that was when we were feeling our oats, and I can recall feeling that GSA and AIBS meetings were already far too large. Your idea of meeting just ahead of another meeting (perhaps not on the same site, but preferably not clear across the continent either?) has many virtues. I would rather it was AIBS than GSA.

Funny things happen. Penn State joined the Big Ten so Joepa could go to the Rose Bowl at least once. Now you can go there without winning any conference championship, as it was long ago. By the way, it stinks that the Big Ten doesn't have its own playoff if two of the teams end up undefeated and haven't played each other, as may well happen this year.

I listened to the Juniata-Susquehanna game on radio while working on my place last Sat Juniata had a great finishing flurry to tie S. 48-48 at the end. The first overtime ended 55-55. In the second overtime S. scored first to make it 62-55. J. got the ball and also scored, but their extra point kick was blocked, to make final score 62-61 2OT. Bet the J. coach wishes he had gone for 2 pts. Brown beat Penn 58-51 in another defensive struggle. Most points ~~by~~ scored in an Ivy League game. Reminds me to ask if you knew that the I. L. has restored spring practice and has relaxed the scholarship situation for athletes. Hmmm. How about them Temple Owls?

Latest here: I am apparently going to lose the prep lab after Slingerland's earlier assurances that it wouldn't happen. Ohmoto "needs" it for his Astrobiology Institute (I am not making this name up).

Best. Alfred.

Juno e-mail printed Mon, 26 Oct 1998 14:36:19 , page 1

From: Martin.B.Farley@EUSA.EXXON.sprint.com
Return-path: <Martin.B.Farley@EUSA.EXXON.sprint.com>
To: bettyandal@juno.com
Date: Fri, 23 Oct 1998 12:52:58 -0400
Subject: Various
Message-ID: <0055670000719458000002L782*@mhs>
X-Status: Read

Exxon Exploration Co.
Alfred,

A brief note before I go off to Toronto tomorrow.

One of my colleagues from EPR saw an article in "Sky and Telescope" on coronas in telescopes created by high pollen concentrations in the atmosphere. I looked in the library but the only issue on the shelf wasn't it. Apparently, it is one of the most recent issues.

Tom Davies is going to the AASP meeting in Ensenada. I don't see anything particularly remarkable about it. Last year's meeting was in a resort town with an oceanographic institution in the northeastern part of the continent (Woods Hole), this year's is in a resort town with an oceanographic institution on the southwestern side. The real problem to me is that the meeting is exactly coincident with GSA.

One key question is the viability of a standalone AASP meeting as attendance has not been high recently (excluding the IPC in Houston). Now that oil companies no longer have big staffs to send, who will make up the bulk of the registrants?

I have felt for some time that we should use the vertebrate paleo meeting as a model: some years it is immediately before or after GSA in the same town so attendees can make a whole week of it (or just attend the vert paleo meeting), and some years it is immediately before or after in a different city. This allows interaction with a broader group of geologists and paleontologists on a regular basis. Something similar could be done in some years with the Paleobotanical Section of BSA.

Separate annual meetings of specialty societies strikes me as a "Let's hang separately" attitude these days.

Now that AASP is an associated society of GSA, we can try to forge better ties to the Paleo Society. This can be helped by Peter Crane's ascension to PS President and even more if Lucy Edwards is elected President-Elect this year.

Sincerely yours,
Martin Farley
(281) 423-7513

From: Martin.B.Farley@EUSA.EXXON.sprint.com
Return-path: <Martin.B.Farley@EUSA.EXXON.sprint.com>
To: traverse@ems.psu.edu
Date: Mon, 28 Sep 1998 11:48:28 -0400
Subject: SEM, et al.
Message-ID: <0055670000387763000002L732*@mhs>
X-Status: Read

Exxon Exploration Co.
Dear Alfred,

For some reason, they actually showed the Pitt-Penn State game on television here last weekend, and I was not impressed (the postgame Joepa interview showed he wasn't impressed either). The evidence is that the team hasn't beaten anybody good to date, so they'll have to play a lot better against Ohio State this week. (Southern Mississippi lost the next week to Texas A&M in Hattiesburg, and nobody thinks Texas A&M is a top team.)

Well, most nanno workers publish both SE- and L- micrographs. You should be careful what you say as it is clear that SEM and TEM produce more detail in palynomorphs than LM, so clearly EM is the way to go for all palynology work too. Your view would be correct probably if all light microscopy could offer to nanno workers was bright field (including plane-polarized light and Nomarski), but many nannos have such distinctive extinction patterns in cross-polarized light that the key observations can be made there. It is possible more morphologic detail could be discerned in SEM and allow for greater stratigraphic resolution, but in practice that is not what happens.

We pay so little attention to SEM technology that I was not aware that small SEM's are not outrageously expensive. Is that really true? Such a machine would still pose two problems for us: 1) the cost would be a capital expense for us, and Exxon Exploration is extremely reluctant to expend capital moneys on anything other than wells (I was surprised there was no problem in coming up with \$6000 to buy a rotating petrographic stage for my Zeiss Axiophot for nanno work); and 2) the maintenance would be a burden on our hourly internal charges. Actually if it used a computer other than a Sun workstation that would be a problem too.

The Houston Museum of Natural Science has an IMAX theater, and it has been showing the Everest film. In addition, Moody Gardens in Galveston has a 3-D IMAX theater. Not that I've been to either theater. Moody Gardens is a new, oddplace. The Moody's as a family are rather odd to begin with. Moody Gardens consists, at the moment, of a bayside beach, the IMAX theater, and the "Rainforest Pyramid," which is a large pyramid greenhouse with rainforest

*Last para:
As going to GSA
in Toronto*

From: Martin.B.Farley@EUSA.EXXON.sprint.com

X400-Received: by /PRMD=EXXON/ADMD=TELEMAIL/C=US/; converted (ia5-text); Relayed; Thu, 10 Sep 1998 10:50:09 -0400

X400-Received: by /PRMD=EXXON/ADMD=TELEMAIL/C=US/; converted (ia5-text); Relayed; Thu, 10 Sep 1998 10:50:09 -0400

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Date: Thu, 10 Sep 1998 10:50:09 -0400

X400-Originator: Martin.B.Farley@EUSA.EXXON.sprint.com

X400-MTS-Identifier:

[/PRMD=EXXON/ADMD=TELEMAIL/C=US/;0055670000160361000002L712]

X400-Content-Type: P2-1984 (2)

Priority: Non-Urgent

To: traverse@ems.psu.edu

Subject: Parking and other things

Exxon Exploration Co.
Alfred,

400 dollars a year for parking! I think that's more than my father paid at Temple (an urban school where of course parking is always in short supply). Do they charge ordinary faculty too? I had the impression that faculty parking was free when I was a student, but then I could have been wrong.

I hope Kalamazoo was nice. There is an indirect family connection there: my grandfather was briefly superintendent of schools (in the 20's).

I feel safe in saying all routine nanno biostratigraphic work is done solely in light microscope. This is true even of academic biostrat on things like ODP wells done by the likes of von Salis or Aubry. Steve Gartner was here a couple months ago and his advice was to ignore SEM micrographs if you want to do nannos in LM because they just show details you don't need and can't see. Percival has been working as a consultant (and before that for Mobil?) and I'm sure he does all his work in LM. Speed of processing and economy of examination in nannos would all disappear if you had to add the hourly charge for SEM.

Nannofossil algae are true pelagic plankton and don't like reduced salinities or turbidity/clastic influx. The former is probably a reason for their rarity in the Black Sea. Currently I'm looking at a reasonably deepwater Nigerian well, but the clastic influx is so great I've seen as many fungal spores in the nanno slides as nannos (palynology still has its influences).

Currently Tropical Storm Frances, whose center is still south of Brownsville, has been churning up the Gulf so that waves are wreaking havoc on the Texas barrier islands. Combined with the other recent storms, the beach is pretty much gone on much of Galveston Island and on down toward Freeport. Tom Davies

has a beach house on the bay side of the west end of Galveston Island, and while it is probably safe from the Gulf, he worries about his boat as tides are predicted as 4-5 ft higher than normal. (The boat is in a boathouse suspended above the water, but high water could be a problem.) Of course it is amusing to hear people on Galveston discuss the dunes that protect the bulk of the island. When I was first there I had to have them pointed out to me, because the average sandcastle on an Atlantic beach is taller.

I hope weather didn't interrupt your trip to DC or environs too badly. I didn't reply quickly as I couldn't think of anyplace you should see in the area you wouldn't already have known about.

Sincerely yours,
Martin Farley
(281) 423-7513
martin.b.farley@exxon.sprint.com

From: Martin.B.Farley@EUSA.EXXON.sprint.com

X400-Received: by /PRMD=EXXON/ADMD=TELEMAIL/C=US/; Relayed; Tue, 25 Aug 1998 12:29:42 -0400

X400-Received: by /PRMD=EXXON/ADMD=TELEMAIL/C=US/; Relayed; Tue, 25 Aug 1998 12:29:42 -0400

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Date: Tue, 25 Aug 1998 12:29:42 -0400

X400-Originator: Martin.B.Farley@EUSA.EXXON.sprint.com

X400-Recipients: traverse@ems.psu.edu

X400-MTS-Identifier: [/PRMD=EXXON/ADMD=TELEMAIL/C=US/;FPMAIL 980825122938904261]

X400-Content-Type: P2-1984 (2)

Content-Identifier: Reply

To: "FPEXMAIL-TRAVERSE *TRAVERSE, ALFRED" <traverse@ems.psu.edu>

Subject: Reply

Exxon Exploration Co.

Dear Alfred,

I must say that I fully support Betty's refusal to pick flowers in a state park. I'm not sure that I see buying tickets from a scalper as of similar moral import, but then I'm not Betty. What is Betty up to these days other than dried flower arrangements?

Yes, I received your note and clipping on McC. Right after I got it there was a very nice column in the NY Times about her as well.

The nannofossil work involves no SEM work at all. I'm not even sure there is an SEM at Exxon in Houston we could use even if we wanted to. The work we do is all in light microscope using the 100x objective exclusively (indeed that is the only objective my senior colleague has on his scope) in either cross-polarized light or bright field. Nomarski (=Zeiss DIC) can be useful too, but we tend to use it only for photography. To adapt my scope required only a rotating petrographic stage as the DIC setup effectively involves the polarizing filters.

Nannofossil work has arisen to prominence because of exploration on outer continental shelves and slopes and because processing is so cheap. A handicap for palynology these days is that processing is expensive (lab throughputs for palynology are ~8 samples/day/technician but ~60/day for nannos). This means that processing is about 40% (or more!) of budgets that involve palynology versus 10% for nannofossils.

The president of Exxon would have the advantage that the employees would know better than to blab about their activities to everyone within earshot. If it

became as public as this, then he wouldn't last. Adultery involving presidents is not new; I recall that Theodore White once wrote that he thought only two candidates (!) for President between 1948 and 1976 hadn't committed adultery. (...Truman and Romney).

Sincerely yours,
Martin Farley
(281) 423-7513
martin.b.farley@exxon.sprint.com

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

11 August, 1997

Dr. Martin B. Farley
Exxon Exploration Company
P. O. Box k4778
Houston, TX 77210

Dear Martin:

I guess a snail mail letter should respond to one of same kind. Besides, permits me to enclose a couple of reprints.

Thanks for kind words about the surgery. It is now four weeks since the operation. I still wear a bandage on the hand except at night, because the long suture is still sensitive, and, in the words of grandson, Guy, who was here last week to help me move out of the microscopy lab (which I've lost), "Poppy, that's yucky." I still have pain in the wrist tendons (which are sliced as part of the deal), but last evening I was out on the farm tractor for the first time, and I got along o. k.

Rice and/or UH library would have Kummel & Raup and even the Public Library could borrow it. Strange. When I was at Shell Development they had a FINE library with a talented librarian. But I certainly would try to utilize the local university facilities.

This coming up made me go to my bookshelf to check something in MY copy. It's missing. Somebody will have "borrowed" it and never returned it. A number of my books have disappeared that way, though I take draconian steps to keep track of what is borrowed. Rats.

The patent business is puzzling. I can't believe that it would stand up in court, and we all should ignore it--I GUESS. I need to read it in detail at the first opportunity. Many thanks for sending it. Has a couple of processing tricks that look interesting, and I intend to use them if I feel like it.

Also, thanks for the clipping about the TR--much enjoyed reading it. Jeez, it's been over 40 years since I started working along said river. Always was fun. Rent a boat at Anahuac some weekend and just go up and down looking at the marvellous vegetation, nutria, turtles, alligators, etc. Of course, the boat rental persons won't believe it that you don't want to ruin the day by

fishing.

How about the NLs being pre-season numero uno? All they have to do now is run the table and beat Washington in the Rose Bowl.

Yours very truly,

Alfred Traverse
Professor Emeritus of Palynology

encl.:reprints

Exxon Exploration Company
P.O. Box 4778
Houston, Texas 77210 U.S.A.
(281) 423-7513

15 July 1997

Alfred Traverse
Department of Geosciences
Pennsylvanian State University
University Park, PA 16802

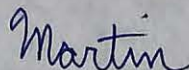
Dear Alfred,

I hope your surgery went well, and you are feeling better. So far I have been able to keep the problems at bay by limiting activities that aggravate the condition (typing mostly).

Here is the patent on palynological processing. One disadvantage of being at the exploration company is that the library here is deficient to put it mildly. They don't have much and what they do have is practically unorganized. I would like to look up Jane Gray's paper in Kummel and Raup because it is a laundry list of chemicals someone might possibly use in processing, and I'd like to see if it lists any of the chemicals covered by the patent. This is certainly a field where prior art is unlikely to be known to the patent examiner. You will also note that the patent refers to other applications pending by the Sheffield bunch.

I also enclose a clipping from the Houston Chronicle on the current status of Army Corps efforts on your favorite Texas river. I wasn't aware until I read this that the original idea was to create a navigable canal from Galveston Bay to Dallas. I was not surprised to find out that the idea was abandoned since Texas didn't want to pay anything for it. It's part and parcel of the general point that many of the 'self-reliant' advocates of free, unregulated markets in this country made their money with government subsidies.

Sincerely yours,



Martin B. Farley
martin.b.farley@exxon.sprint.com

To: martin.b.farley@eusa.exxon.sprint.com
From: traverse@ems.psu.edu (Alfred Traverse)
Subject: patent, etc.
Cc:
Bcc:
X-Attachments:

Dear Martin:

I well remember Houston rainstorms--one day we had 17 in. in 24 hrs. The water was lapping at our front door at the end of it.

Thanks for the typos. I have a long list of such, and I think I have those, but does no harm to check.

Yes, I'd like a copy of the patent, for the 2nd edit. of P., if I ever get around to it. I take a dim view of it unless they follow Hoffmeister in dedicating it to the public.

It's good to know that your work is interesting and productive.

We were turned down for football tickets again. Only 300 tickets or so were turned back this year. I wrote a letter to the office responsible pointing out that many people have tickets through long since deceased ancestors, and that should be stopped. I know this happens because Paul and sons come to games whenever they feel like it because one of Paul's doctor friends in Bing. has tickets by virtue of keeping up those of his deceased mother. Yesterday's paper quotes Paterno as saying that he is bringing pressure to bear to enlarge Beaver again. We are going to Florida for Jan. and Feb., thus avoiding the Lady Lion season for the most part. What a mess!

I go in tomorrow to have carpal tunnel surgery. Hope I'm doing the right thing.

Best. Alfred.

From: Martin.B.Farley@EUSA.EXXON.sprint.com
X400-Received: by /PRMD=EXXON/ADMD=TELEMAIL/C=US/; Relayed; Fri, 16 May 1997 17:07:55 -0400
X400-Received: by /PRMD=EXXON/ADMD=TELEMAIL/C=US/; Relayed; Fri, 16 May 1997 17:07:55 -0400
X400-Received: by /PRMD=EXXON/ADMD=TELEMAIL/C=US/; Relayed; Fri, 16 May 1997 17:07:55 -0400
Date: Fri, 16 May 1997 17:07:55 -0400
X400-Originator: Martin.B.Farley@EUSA.EXXON.sprint.com
X400-Recipients: traverse@ems.psu.edu
X400-MTS-Identifier: [/PRMD=EXXON/ADMD=TELEMAIL/C=US/;FPMAIL 970516170751829901]
X400-Content-Type: P2-1984 (2)
Content-Identifier: Brazil
To: "FPEXMAIL-TRAVERSE *TRAVERSE, ALFRED" <traverse@ems.psu.edu>
Subject: Brazil

Exxon Exploration Co.
Dear Alfred,

Thanks for your note. I had forgotten about your previous experience with cts. I hope your current treatment comes off well. I had an emg of both arms which proved to be normal so my problem is not too bad. The notable outcome is that I received a bill from St. Lukes Episcopal Hospital, where the test was done on an outpatient basis, that was nearly as costly as a single day's semi-private room....and I didn't even get any squares of green gelatin. (The neurologists bill was separate and larger).

I received an announcement, via e-mail, for the 9th Brazilian meeting of paleobotanists and palynologists in December. As Exxon has interest in Brazil now, my supervisor is interested in getting some notion of the contents of past meetings. I have a summary from the IOP newsletter of the last meeting by T.R. Fairchild, but I was wondering if you had some idea if and where proceedings of this meeting might have been published.

Joepa was in town a week ago today for the big spring bash of the local alumni association chapter, but I was in Wyoming to teach in Exxon's sequence stratigraphy field school and missed the event.

Sincerely yours,
Martin B. Farley
(281) 423-7513

martin.b.farley@eus, 10:07 AM 2/2/97 , weather, etc.

1

To: martin.b.farley@eusa.exxon.sprint.com
From: traverse@ems.psu.edu (Alfred Traverse)
Subject: weather, etc.

Dear Martin:

Nice to hear from you.

I have been in UK for close to two years, and I can say that about every fourth or fifth day, on average, is delightfully clear. Bill may have been right that it is worth waiting for good weather to make such photos.

You would be smart and have doubtless figured it out long ago to get into a position to move laterally within Exxon. You are admirably suited to pull it off. You could be a Vice-President for Research, or whatever.

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

1

From: Martin.B.Farley@EUSA.EXXON.sprint.com
X400-Received: by /PRMD=EXXON/ADMD=TELEMAIL/C=US/; Relayed; Fri, 31 Jan 1997 21:48:29 -0500
X400-Received: by /PRMD=EXXON/ADMD=TELEMAIL/C=US/; Relayed; Fri, 31 Jan 1997 21:48:29 -0500
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Date: Fri, 31 Jan 1997 21:48:29 -0500
X400-Originator: Martin.B.Farley@EUSA.EXXON.sprint.com
X400-Recipients: traverse@ems.psu.edu
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X400-Content-Type: P2-1984 (2)
Content-Identifier: Weather
To: "FPEXMAIL-TRAVERSE *TRAVERSE, ALFRED" <traverse@ems.psu.edu>
Subject: Weather

Exxon Exploration Co.
Dear Alfred,

I hope you are making your way through the current season reasonably and that you had a joyous holiday season.

I have just been amused by reading Chaloner's review of "Palaeozoic palaeobotany of Great Britain" in which he complains that the photos of the field sites 'seem universally to have been taken in the rain, or at best on days of heavy overcast.' I didn't know that they had weather of any other kind in the U.K. If he complained that photos of the Grand Canyon had been taken in the rain, I might understand it, but I would think only the independently wealthy or retired could hang around outcrops in the U.K. waiting for the weather to clear.

Tom Davies just came in to ask if I had any principles, and I of course replied that it should be obvious that I don't because I work for Exxon. What he actually wanted was to look at my set of the Jansonius & McGregor volumes.

Amoco's latest downsizing occurred this week; all I have heard to date is that except for "people who wanted to leave anyway," biostratigraphers were not affected in a major way. This is certainly better than earlier rumors which included the possibility that the majority of the staff would be laid off.

Here management has been attempting to assuage the discontent of the staff (illustrated most clearly by elevated numbers of resignations), although it is not clear what changes will actually occur.

Say hello to Betty for me.

Sincerely yours,
Martin B. Farley
(281) 423-7513

From: Martin.B.Farley@EUSA.EXXON.sprint.com
X400-Received: by /PRMD=EXXON/ADMD=TELEMAIL/C=US/; Relayed; Fri, 15 Nov 1996 12:39:52 -0500
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Date: Fri, 15 Nov 1996 12:39:52 -0500
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X400-MTS-Identifier: [/PRMD=EXXON/ADMD=TELEMAIL/C=US/;FPMAIL 961115123939016401]
X400-Content-Type: P2-1984 (2)
Content-Identifier: PNAS
To: "FPEXMAIL-TRAVERSE *TRAVERSE, ALFRED" <traverse@ems.psu.edu>
Subject: PNAS

Exxon Exploration Co.
Dear Alfred,

Since I don't normally peruse the Proceedings of the National Academy of Science (for some reason, they don't carry it on my local newstand), it wasn't until recently that I saw the title page of the Visscher, et al. paper on fungi and the end-Permian extinction. How did such an august group of authors unite on this project? (You wouldn't happen to have a reprint?) Does this mean that you have altered your opinions on the relationship between the animal mass extinctions and plants?

I guess we'll find out if the team that played Northwestern or the team that played Iowa is the one that plays Michigan tomorrow. Purdue probably didn't do PSU a favor by beating Michigan last week.

Although many oil companies are now hiring geologists (including Exxon, which thinks it can hire 60 geologists/geophysicists), Amoco is about to downsize again. The stories I've heard give about 15% decrease overall, and especially hard in paleo where losses could reach 50%.

Say hello to Betty for me.

Sincerely yours,
Martin B. Farley
(281) 423-7513

From: Martin.B.Farley@EXXON.sprint.com
X400-Received: by /PRMD=EXXON/ADMD=TELEMAIL/C=US/; Relayed; Thu, 12 Sep 1996 15:48:54 -0400
X400-Received: by /PRMD=EXXON/ADMD=TELEMAIL/C=US/; Relayed; Thu, 12 Sep 1996 15:48:54 -0400
X400-Received: by /PRMD=EXXON/ADMD=TELEMAIL/C=US/; Relayed; Thu, 12 Sep 1996 15:48:54 -0400
Date: Thu, 12 Sep 1996 15:48:54 -0400
X400-Originator: Martin.B.Farley@EXXON.sprint.com
X400-Recipients: traverse@ems.psu.edu
X400-MTS-Identifier: [/PRMD=EXXON/ADMD=TELEMAIL/C=US/;FPMAIL 960912154850262721]
X400-Content-Type: P2-1984 (2)
Content-Idenfier: Farley (046) Com
To: "FPEXMAIL-TRAVERSE *TRAVERSE, ALFRED" <traverse@ems.psu.edu>
Subject: Farley & Company

Exxon Exploration Co.
Dear Alfred,

Thanks for the letter and enclosures. I had not heard of "Farley & Company" before. My first guess is that they're not related, because most Farleys you've heard of are not related. Most Farleys in this country are Irish Catholics, but my Farleys are Scotch-Irish (i.e., Orangemen).

By the way, you should update my mailing address now that I've moved. The new address is: Exxon Exploration Co., P.O. Box 4778, Houston, TX 77210.

I'm just about to leave for Exxon's "Advanced Clastic Facies" school, which is basically a traverse along the Book Cliffs. This is my first trip to the Book Cliffs since I cracked my fibula there four years ago.

Tom Davies is about to depart on one week's notice for the Tarim Basin in far west China to do wellsite biostratigraphy (Paleozoic-age sediments, unusual for us).

I hope fall is going well for the Traverse clan in State College.

From: Martin.B.Farley@EXXON.sprint.com

X400-Received: by /PRMD=EXXON/ADMD=TELEMAIL/C=US/; Relayed; Fri, 16 Aug 1996 09:21:41 -0400

X400-Received: by /PRMD=EXXON/ADMD=TELEMAIL/C=US/; Relayed; Fri, 16 Aug 1996 09:21:41 -0400

X400-Received: by /PRMD=EXXON/ADMD=TELEMAIL/C=US/; Relayed; Fri, 16 Aug 1996 09:21:41 -0400

Date: Fri, 16 Aug 1996 09:21:41 -0400

X400-Originator: Martin.B.Farley@EXXON.sprint.com

X400-Recipients: traverse@ems.psu.edu

X400-MTS-Identifier: [/PRMD=EXXON/ADMD=TELEMAIL/C=US/;FPMAIL 960816092138234971]

X400-Content-Type: P2-1984 (2)

Content-Identifier: Castle

To: "FPEXMAIL-TRAVERSE *TRAVERSE, ALFRED" <traverse@ems.psu.edu>

Subject: Castle

Exxon Exploration Co.

Dear Alfred,

Thanks for your note about the castle, about which I had not heard before. I doubt that "Farley" is a corruption of "Family," although I'm not sure I can put an exact origin on it. I had the impression that "Farley" was a simplified "Farleigh." My paternal grandfather spent years researching family history culminating in a book he wrote summarizing it all (4-5 copies to family members; one copy to the Library of Congress). In theory, my uncle is gradually typing the book into a word processor now and my father is proofing the results, but progress seems slow so I don't have a copy yet myself.

I am glad to hear about the pigs on College Avenue. I have seen the photo that must be the inspiration, and I also recall that like many small towns the first ordinance dealt with free-running pigs. Now all State College needs is an ordinance regulating free-running fraternity members.

I am also glad that Paterno found it possible to blame last winter for his traditional something's wrong early season pronouncement. I'm sure that the late start means the team still isn't sure how many players are allowed on the field at a time.

I always found Ag Progress days fun, although the diversity of exotic animals seems to have increased from my days there. I always like the commercial tents with their demonstrations of knitting machines and other valuable items, which of course I'd never purchase. The demonstration plots were also interesting as I was left wondering how US Steel got into the hybrid seed business.

I'm glad to see that you're having fun at home since I've heard that Paul Grun

now has experimental pepper plots all over the Eastern Seaboard, which no doubt require visits, and you have no such travel excuses.

Sincerely yours,
Martin B. Farley
(713) 423-7513

From: Martin.B.Farley@EXXON.sprint.com

X400-Received: by /PRMD=EXXON/ADMD=TELEMAIL/C=US/; Relayed; Thu, 25 Jul 1996 12:34:09 -0400

X400-Received: by /PRMD=EXXON/ADMD=TELEMAIL/C=US/; Relayed; Thu, 25 Jul 1996 12:34:09 -0400

X400-Received: by /PRMD=EXXON/ADMD=TELEMAIL/C=US/; Relayed; Thu, 25 Jul 1996 12:34:09 -0400

Date: Thu, 25 Jul 1996 12:34:09 -0400

X400-Originator: Martin.B.Farley@EXXON.sprint.com

X400-Recipients: traverse@ems.psu.edu

X400-MTS-Identifier: [/PRMD=EXXON/ADMD=TELEMAIL/C=US/;FPMAIL 960725123403744401]

X400-Content-Type: P2-1984 (2)

Content-Identifier: Unsolicited advi

To: "FPEXMAIL-TRAVERSE *TRAVERSE, ALFRED" <traverse@ems.psu.edu>

Subject: Unsolicited advice

Exxon Exploration Co.

Dear Alfred,

As you have been working on a revision of Paleopalynology, I am emboldened to offer you some unsolicited advice based on some events of the past few days.

I have been in the habit of picking up the book to use as a handy summary to information on palynology in various areas and times when I can't get immediately at primary literature. Now is such a time as I'm in a temporary office, still mostly packed, before moving into a more permanent office next week, as I may have mentioned.

At any rate, I had to do a little rush job on the Neogene in southeast Asia and I picked up Paleopalynology as a shortcut to Germeraad, et al and related papers. I see, however, that your coverage of Neogene pollen and spores is limited to the temperate Euramerican record (more or less), and the tropics aren't included. Therefore, my unsolicited advice would be to include some of the tropical stuff if it is at all practical. There is of course much more data than there used to be, from Morley in SE Asia for the Neogene generally and from people like Mark Bush for the South American Quaternary. I could do a search on my bibliographic database if you're interested.

I see that Germeraad, et al is in the references, so I assume you cite it for historical purposes or somewhere in taphonomy, but I'm not sure where.

Your comments on Harvard's early disdain for athletic endeavors reminds me of a quote I once read about Cornell's president forbidding students from traveling 300 miles to Michigan to "agitate a bag of wind," that is, play football. Sports in even the more limited Harvard/Yale manifestation remains

important else they would have gone the route of the University of Chicago and abolished intercollegiate sports altogether.

Sincerely yours,
Martin B. Farley
(713) 423-7513

From: /DD.ID=HOUHCCV1.EPRMBF/@EXXON.sprint.com
X400-Received: by /PRMD=EXXON/ADMD=TELEMAIL/C=US/; Relayed; Wed, 17 Jul 1996 11:34:05 -0400
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Date: Wed, 17 Jul 1996 11:34:05 -0400
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X400-Content-Type: P2-1984 (2)
Content-Identifier: Lady Lions, etc.
To: "FPEXMAIL-TRAVERSE *TRAVERSE, ALFRED" <traverse@ems.psu.edu>
Subject: Lady Lions, etc.

Exxon Production Research, ST-2110
Dear Alfred,

It was interesting to hear about the "points" system for Lady Lion tickets. I assume that it was modified from whatever is used for football tickets. I always thought that assigning points to such things as contributions was a clever method of extortion. It proves that some parts of a university's operations are carried on as if it were a business not an educational institution. Imagine the reaction, however, if such a practice were carried over to admissions, say, or we could even cut out the middlemen and connect it to awarding of degrees.

As to plagiarism: Bruce had no beef about reproduction of a photo from a jointly authored paper as long as you credited the paper (and maybe even if you didn't). There is no real comparison between what Mary D. is supposed to have done and Norma's publishing a paper without you as co-author, however. Permitting a graduate student to publish alone is rather different from publishing information developed by someone else (even if in collaboration with you) without listing the someone else as an author. Barghoorn's actions would also be plagiarism, although as an oral presentation, it could be said to get away with more ("verbal contract isn't worth the paper it's written on...").

>From a copyright point of view, which doesn't precisely match questions of plagiarism, unpublished works have always belonged to the author in this century. If I send you a letter (perhaps even this e-mail), the paper (electrons?) itself belongs to you and you can do with it what you please, except that you don't own the rights for publication. The most famous recent example of this was the legal fight over J.D. Salinger's letters, which a

biographer wanted to quote extensively (there being no other source of information about a recluse). I remember Al Davis commenting that he didn't allow graduate students to copyright their dissertations; he was just ignorant of the law (the work is copyrighted in the name of the student whether the student puts a notice on it or not).

Addenda on the IPC: Canright was in a foul mood at the beginning of the meeting because someone misspelled his name on the Congress materials (including the name badge) as Canwright. I handed him his materials, so I recognized this as I handed it to him. Owen Davis whispered to me that there was a history of errors, but I didn't get any details. I'm surprised there weren't more errors of this sort given the travails Vaughn Bryant went through in the months leading up to the meeting.

I thought there were a large number of good talks, and the meeting went fairly smoothly except for a couple of session chairmen I wish to disembowel because they moved up talks from their scheduled time to fill earlier holes. One of the talks I missed as a result was on "focused microwave" maceration, which may be a more efficient (in chemicals and maybe even time) method for processing. John Wrenn has purchased one of these machines for use in Antarctica so I hope he will be able to give us an evaluation soon.

I better get back to work shifting boxes. I'm in a temporary office for July, so unpacking is not a sensible choice yet. While I packed so I could get work done, things always come up that require finding stuff that is buried at the bottom of a pile of boxes.

Sincerely yours,
Martin
(713) 965 4033

To: martin.b.farley@exxon.sprint.com
From: traverse@ems.psu.edu (Alfred Traverse)
Subject: advice, etc.

Dear Martin:

Regarding revision of Paleopal.: your advice is most welcome. Although the original purpose of the book (carefully explained in Forward, I think) was for teaching and learning basic paleopalynology, it has been used by many the way you do, and I must try to recognize that as fact.

Just finished my study of the core from Honduras. Very disappointing, but the archeologists are getting some mileage out of the maize pollen record, which is more extensive than they expected. Now I am well into the Devonian project that is next up--dating Ted Daeschler's (Phil. Acad. Nat. Sci.) amphibian find near Renovo.

Betty is in Chicago for a mini-reunion of her closest neighborhood friends from Indianapolis--none has connections in Indy now. Betty's closest friend (best woman at our wedding) became a college president--small college in Minnesota. She lives in Hawaii in retirement and is flying in for the reunion.

About Harvard athletics--did you note that the Harvard women's team (not calling itself Radcliffe, for a wonder) made it into the NCAA field of 64 and gave one of the top teams a very good game in the first round--Georgia, I think?

Joe Paterno is bewailing his bad luck that the great flock of snow days in PA caused PSU to postpone the beginning of Summer School a week. This meant, in turn, that football practice was delayed a week--just when Joe needs to get ready for USC, two weeks from this coming Sunday, if I'm not mistaken. We'll see.

State College Centennial has been a big celebration. Special exhibit at Palmer Mus. Some of the photos were very interesting. Shots on Allen St. taken in 1915 were quite recognizable. The Centennial sculpture of a sow and her two (three?) piglets, across from the Tavern Rest. is memorable. You need to come and rub her nose. It is already said to be lucky. There was a huge parade, on which it unfortunately rained tumultuously.

Back to work. Love hearing from you. Alfred.

To: martin.b.farley@eusa.exxon.sprint.com
From: traverse@ems.psu.edu (Alfred Traverse)
Subject: IFPS report, etc.
Cc:
Bcc:
X-Attachments:

Dear Martin:

How nice to get a report (per yours of 8 July) on the IFPS Congress. I just got a message from Jim Canright about it as well. (Did you know that we were graduate students at the same time in same lab? Betty also worked in that lab, along with Taylor Steeves, Bill Spackman, and others.)

It would have been difficult for me to attend the meeting, as the Adirondack property is an obligation, and we couldn't take care of it earlier.
On the way back we celebrated our 45th wedding anniversary in the Catskills.

Interesting story about Mary D. Of course, I had a nasty letter and phone call from Bruce Cornet because I used a photo of Corollina that he took, in Paleopalynology. I was co-author of the paper in which it was published. Why should I get permission to use an illustration from one of my own papers? There is a wide spectrum of practice in this area, and it is hard to establish what is "right." For example, I think I probably should have been co-author of Norma Johnson's paper on the Tuscarora, but I didn't insist on it. Also Barghoorn clearly didn't do right by giving my Ph. D. dissertation at a palynological meeting in 1952 without listing me as co-author, or even informing me beforehand. Nowadays that would be actionable because it has become established that the candidate "owns" his diss. In those days I didn't, and it was merely unethical. Is Mary's student sure that Mary didn't help develop the ideas in question? I suppose co-authorship would have taken care of the problem, had it been anticipated.

The field trip in Alabama sounds interesting. I'd rather go in April, however.

New phone number registered.

Back to work. Trying to get my analysis of the Copan, Honduras, cores completed.

All the best. Alfred.

P. S. We applied again for season tickets to the football games, again as prof and as member of Nittany Lion club. Same result as before: 0.. They report 99% retention. Oh well. We also had to apply all over again for tickets to the Lady Lions Basketball games. We were assigned "points" as holders of season tickets in Rec Hall, as members of the NLC, as contributors to Rene's List, as members of the Booster Club. Result: end zone tickets. Incredible. Jordan Center is an amazing success. The LLs will surely set national attendance records--they were third in the country last year when they played half of the season in RH.

From: Martin.B.Farley@EUSA.EXXON.sprint.com
X400-Received: by /PRMD=EXXON/ADMD=TELEMAIL/C=US/; Relayed; Mon, 8 Jul 1996 16:22:11 -0400
X400-Received: by /PRMD=EXXON/ADMD=TELEMAIL/C=US/; Relayed; Mon, 8 Jul 1996 16:22:11 -0400
X400-Received: by /PRMD=EXXON/ADMD=TELEMAIL/C=US/; Relayed; Mon, 8 Jul 1996 16:22:11 -0400
Date: Mon, 8 Jul 1996 16:22:11 -0400
X400-Originator: Martin.B.Farley@EUSA.EXXON.sprint.com
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X400-MTS-Identifier: [/PRMD=EXXON/ADMD=TELEMAIL/C=US/;FPMAIL 960708162205112311]
X400-Content-Type: P2-1984 (2)
Content-Identifier: Details
To: "FPEXMAIL-TRAVERSE *TRAVERSE, ALFRED" <traverse@ems.psu.edu>
Subject: Details

Exxon Production Research, ST-2110
Dear Alfred,

I hope you had a nice trip to the Adirondacks, although you missed a lot of interesting goings-on at the IPC here in Houston, apparently climaxed (I wasn't there) by a talk by a graduate student of Mary Dettmann's who accused Dettmann of plagiarizing her work.

Ron Litwin was at the meeting for a couple of days. It's the first time I've seen him at a meeting in years.

I also picked a copy of the Jansonius and McGregor Jubilee set, thus saving the \$15 postage. It looks very nice, given what I've seen so far.

I went on the Fred Rich / Bob Gastaldo / Gail Chmura pre-meeting swamp trip, which was a lot of fun. Someday you must ask me what Chinese think of as suitable souvenirs to obtain in Mobile, Alabama and how easy it is to explain to the Dutch what a dry county means.

Some additional info on my transfer: My new office phone number is (713) 423-7513, although my office stuff doesn't actually move across town until tomorrow.

Sincerely yours,
Martin
(713) 965 4033

To: martin.b.farley@eusa.exxon.sprint.com
From: traverse@ems.psu.edu (Alfred Traverse)
Subject: commiseration
Cc:
Bcc:
X-Attachments:

Dear Martin:

Thanks for your sm letter of 12 June. As my computer was (apparently--it's what the police think) vandalized, I don't have my WP capacity, so I'll see if this still works, as you suggested it might.

The big nature news when we were at the DMZ was that recruit practice gunnery had started a terrible forest fire, and the nice (artificial--planted where there had been no vegetation worth mentioning) forest was black for square miles. Had happened only a couple of weeks before and still smelled. Virtually all forests in Korea are planted in rows of trees, because in the fifties the people were so poor that they all went out and cut firewood. Duck Choi says that his family had to do it too.

It's bad news in a way that you won't be doing paleontology directly, but it's good news that you have a job! With me it worked the other way around. I had to do service work in coal petrology for the first five years after my Ph. D. Palynology was a sparetime and home activity.

We are now getting packed to go to the Adirondacks for the annual foray in the Spring. Diesel truck is loaded with the usual goodies--all the bedding, and sundry new items--electric fan, chair, frying pan, refrigerator dishes, chain saw, ten pails of crushed rock, posthole digger, new sign, etc. We leave day after tomorrow and will be back on 2 July.

Lauren Wright just dropped in. First time I've seen him since we spent a marvellous day in Death Valley with him in January.

Take care. It's nice that you keep in touch. Few of my former students do. I owe you a lot for introducing me to Lady Lion basketball. Betty and I are now sweating out where our permanent seats are in the Jordan Center. We also applied again for football tickets, with probably slightly better chances than last year. We applied again for two as a prof and two as Nittany Lion Club members. We have bought a one br condo in downtown S. C. so that we can stay overnight when we have a game, play or just bad weather.

Best. Alfred.

Exxon Production Research Company

P.O. Box 2189

Houston, Texas 77252 U.S.A.

(713) 965-4033

(713) 965-7279 fax

12 June 1996

Alfred Traverse
435 Deike Building
University Park, PA 16802

Dear Alfred:

I hope you had a good trip to the Far East, and since I heard no news of hostilities in Korea, I will assume that your visit to the DMZ failed to provoke a violent response from the North Koreans. I've read that the DMZ is quite the wildlife refuge because it has been free from the mundane human intrusions that destroy wildlife habitat, although you presumably didn't get much of a look (especially for botanizing).

I'm writing to let you know of a change going on here. Management has decided that paleontology is a mature field. This means that paleontologic research is being shut down, and I'm being transferred to Exxon Exploration Company's (EEC) Biostratigraphy Group effective 1 July 1996. The writing has been on the wall for some time as resources have gradually drained out of the "Global Stratigraphic Framework" project I've worked on. My current supervisor, furthermore, has never really understood what the project is about, which is never a good sign. As an example, he has asked me to get others to review my research reports for content since he doesn't feel competent to do so.

There will still be some room for research at EEC, but it will be directly related to the areas where Exxon operates and it is called not research but "strategic projects." The work I have been doing lately is pretty much along these lines, but the move to EEC takes a fair bit of potential flexibility out of the setup. Further, opportunities for collaborative work on paleoenvironments and paleoclimates with people in source rock research are probably dead, although I have a fair assortment of samples that could be worked on if I can get the time.

It remains to be seen how much I like this arrangement. There are some aspects of how biostratigraphy operates in the exploration company that do not appeal to me. For example, there is definitely a narrow attitude towards what computer software is permitted. This move also requires a significant increase in commuting distance (4 miles, most days by bus at present versus 20 miles via car at EEC). However, I always think it is dangerous to pre-judge a situation, so I am waiting to see what the situation actually is.

My new address will be: Exxon Exploration Co., P.O. Box 4778, Houston, TX 77210. I have no phone number yet, but my e-mail address ought not to change (that is, there is no reason for it to change, but bureaucracies work in peculiar ways). I'll get in touch with the unknown details as I find them out.

Say hello to Betty for me.

Sincerely yours,



Martin B. Farley
martin.b.farley@exxon.sprint.com

Received: from reston-mx1.telemail.net (reston-mx1.telemail.net [199.184.38.193])
From: Martin.B.Farley@EUSA.EXXON.sprint.com
X400-Received: by /PRMD=EXXON/ADMD=TELEMAIL/C=US/; Relayed; Fri, 22 Mar 1996 10:
X400-Received: by /PRMD=EXXON/ADMD=TELEMAIL/C=US/; Relayed; Fri, 22 Mar 1996 10:
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Date: Fri, 22 Mar 1996 10:41:51 -0500
X400-Originator: Martin.B.Farley@EUSA.EXXON.sprint.com
X400-Recipients: traverse@ems.psu.edu
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Content-Identifier: Traverse Effect
Message-ID: <"FPMAIL 960322104146284861*/I=B/G=Martin/S=Farley/O=EUSA/PRMD=EXXON
To: "FPEXMAIL-TRAVERSE *TRAVERSE, ALFRED" <traverse@ems.psu.edu>
Subject: Traverse Effect
Content-Type: text

Exxon Production Research, ST-2110
Dear Alfred,

Did you know that there is now a "Traverse effect" in palynology? I can't tell you exactly what it is, because its description in the paper's abstract is inadequately explained and the body of the paper is in Japanese.

The paper is "Paleotemperature obtained from pollen fossils" by Tohru Yamanoi and was published in 1993 in a journal called "Fossils" v. 54, p. 53-60.

The relevant sentences of the abstract read: " 'Traverse Effect' is found as a general rule between productions and sedimentations of pollen grains (Traverse, 1988). This Traverse effect will be the key to the solution of the problems for allochthonous pollen fossils."

The paper itself is about paleotemperature estimation in the Neogene of Japan.

Sincerely yours,
Martin
(713) 965 4033

Received: from merit-mx1.telemail.net (merit-mx1.telemail.net [198.70.61.62]) by
From: Martin.B.Farley@EUSA.EXXON.sprint.com
X400-Received: by /PRMD=EXXON/ADMD=TELEMAIL/C=US/; Relayed; Wed, 13 Mar 1996 17:
X400-Received: by /PRMD=EXXON/ADMD=TELEMAIL/C=US/; Relayed; Wed, 13 Mar 1996 17:
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Date: Wed, 13 Mar 1996 17:19:06 -0500
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To: "FPEXMAIL-TRAVERSE *TRAVERSE, ALFRED" <traverse@ems.psu.edu>
Subject: NO SUBJECT
Content-Type: text

Exxon Production Research, ST-2110
Dear Alfred,

Your problem with basketball tickets is you think that the games are arranged for the benefit of the fans/students or the team members. That was true until money reared its head. I imagine it is still true with college sports untainted by TV or mobs of fans (fencing or rifle comes to mind).

Sincerely yours,
Martin
(713) 965 4033

Date: Wed, 13 Mar 1996 16:10:50 -0500 (EST)
From: "Alfred Traverse" <traverse@ems.psu.edu>
To: martin.b.farley@eusa.exxon.sprint.com
Cc:
Bcc:
Subject: Aquila-
X-NUPop-Charset: IBM 8-Bit

Dear Martin:

Hey, however you did it, this message from you (12 Mar.) was only one page and no "shirttail."

That Aureal is only married 51 years I find strange info, as Betty and I visited them in Morgantown in 1951, and they already had a house full of kids. Timothy was 4, I remember. He was not the oldest. I guess it's marginally possible.

O. K., I should have said "Siberia and adjacent countries." Triprojectates in general are another story.

Re basketball there is a huge flap here that for the men's tourney in RI PSU allocated zero (0) tickets for students. Other places allocate a token number (100-300) and have a lottery. Here they go to administrators, Nittany Lion Club, etc. Further, those of us with season tickets for the LL games were assigned to other, much less satisfactory seats for the NCAA games this weekend. At Rec Hall we always could have our regular seats. Furthermore, we all got a notice in today's mail that for season tickets for next year assignment will no longer be made merely on the basis that one has been for x years a season ticket holder. One must have Nittany Lion Club points, contributions to the booster club, membership in Rene's List (contributions of cash to help the basketball program specifically) and I believe other things. It's all getting pretty much out of hand. We noted in the Big Ten tourney program that PSU had the largest single game attendance last year (12,950), and the average was second only to WI (by a few hundred--9300)--and that was because we played a number of games in Rec Hall before moving over.

You're right about the tourney in Providence: the tickets were sold out in two hours when they were put on the market November 1, 1995! Before the season even began. The women's Final Four in North Carolina has been sold out for two years.

Back to work. Alfred.

Received: from reston-mx1.telemail.net ([199.184.38.193]) by pangaea.ems.psu.edu
From: Martin.B.Farley@EUSA.EXXON.sprint.com
X400-Received: by /PRMD=EXXON/ADMD=TELEMAIL/C=US/; Relayed; Wed, 13 Mar 1996 15:
X400-Received: by /PRMD=EXXON/ADMD=TELEMAIL/C=US/; Relayed; Wed, 13 Mar 1996 15:
X400-Received: by /PRMD=EXXON/ADMD=TELEMAIL/C=US/; Relayed; Wed, 13 Mar 1996 15:
Date: Wed, 13 Mar 1996 15:51:35 -0500
X400-Originator: Martin.B.Farley@EUSA.EXXON.sprint.com
X400-Recipients: traverse@ems.psu.edu
X400-MTS-Identifier: [/PRMD=EXXON/ADMD=TELEMAIL/C=US/;FPMAIL 960313155131941451]
X400-Content-Type: P2-1984 (2)
Content-Identifier: Index
Message-ID: <"FPMAIL 960313155131941451*/I=B/G=Martin/S=Farley/O=EUSA/PRMD=EXXON
To: "FPEXMAIL-TRAVERSE *TRAVERSE, ALFRED" <traverse@ems.psu.edu>
Subject: Index
Content-Type: text

Exxon Production Research, ST-2110
Dear Alfred,

Dave Goodman (Arco) asked for the full reference of the organic particles book (another eager buyer), and that reminded me of something I wanted to ask you.

One of my glorious tasks as an editor of a forthcoming SEPM Special Publication (on the Sequence Stratigraphy of European Basins) will be to prepare the index. Do you have any tips on constructing indexes, especially from multi-authored volumes?

Just contemplating the job makes me respect the skill that fulltime indexers (if there are any left) bring to the job. One problem that you must have dealt with in the organic particles book is indexing only the key occurrences of terms whose total occurrences are extremely numerous (organic matter comes to mind for the organic particles book).

At any rate, any advice you can provide will be most appreciated.

Sincerely yours,
Martin
(713) 965 4033

Received: from reston-mx1.telemail.net ([199.184.38.193]) by pangaea.ems.psu.edu
From: Martin.B.Farley@EUSA.EXXON.sprint.com
X400-Received: by /PRMD=EXXON/ADMD=TELEMAIL/C=US/; Relayed; Tue, 12 Mar 1996 17:
X400-Received: by /PRMD=EXXON/ADMD=TELEMAIL/C=US/; Relayed; Tue, 12 Mar 1996 17:
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Date: Tue, 12 Mar 1996 17:04:34 -0500
X400-Originator: Martin.B.Farley@EUSA.EXXON.sprint.com
X400-Recipients: traverse@ems.psu.edu
X400-MTS-Identifier: [/PRMD=EXXON/ADMD=TELEMAIL/C=US/;FPMAIL 960312170428892531]
X400-Content-Type: P2-1984 (2)
Content-Identifier: Aquila, etc.
Message-ID: <"FPMAIL 960312170428892531*/I=B/G=Martin/S=Farley/O=EUSA/PRMD=EXXON
To: "FPEXMAIL-TRAVERSE *TRAVERSE, ALFRED" <traverse@ems.psu.edu>
Subject: Aquila, etc.
Content-Type: text

Exxon Production Research, ST-2110
Dear Alfred,

Sorry about the shirrtailing of messages by Exxon's system; that's the way IBM's system works. I have to start a whole new message to avoid it, and then I can't have your message onscreen.

Your mentioning today's anniversary reminds me that when I talked to Aureal Cross yesterday it was exactly one year since the flu he caught at AAPG here in Houston prevented him from taking part in the party his daughter threw in Austin to celebrate his 50th wedding anniversary.

About Aquila's distribution: what brought this up in the first place was Tom Davies' ID of it in the East China Sea. Separately I found references to Aquilapollenites attenuatus in Japan, China, and Kazakhstan in Bob Ravn's TAXON database, and Farabee (93 Bot Rev) reports triprojectates from every continent except Antarctica.

What the arrangement of the women's brackets reveals is the merger of the old system in which teams were placed according to their geographic location without trying to evenly stock the four brackets with the system used in the men's tournament where for years teams have been shifted all around the country to get the seedings spread out as evenly as possible. Now the women's tournament is fully seeded, but they still feel a need for placing early rounds in places where attendance will be high. For the men's tournament, they believe (correctly) thousands will show up in Providence, R.I. even though no local teams will appear (I will assume that UConn isn't local).

Sincerely yours,
Martin
(713) 965 4033

Date: Tue, 12 Mar 1996 12:34:08 -0500 (EST)
From: "Alfred Traverse" <traverse@ems.psu.edu>
To: martin.b.farley@eusa.exxon.sprint.com
Cc:
Bcc:
Subject: aquila, again
X-NUPop-Charset: IBM 8-Bit

Dear Martin:

Aquilapollenites occurs only in western N. Amer. and Siberia, so "worldwide" is a little odd as a way to express it, but yes, in that sense, it was worldwide.

The Texas A & M coach is right, but it's merely a semantic problem. How about Texas and SW Missouri playing at Lawrence, KS. in the "East?"--I am not making this up.

As I've commented before, I find it annoying that your machine sends MY message back to me, along with your new one, usually putting it into two pages when I print it.

This a. m. it was 8 degrees at our place. Three years ago tomorrow we had that huge snow--30 inches at our place. Betty was trapped in Indianoplace.

Cheers. Alfred.

Received: from reston-mx1.telemail.net ([199.184.38.193]) by pangaea.ems.psu.edu
From: Martin.B.Farley@EUSA.EXXON.sprint.com
X400-Received: by /PRMD=EXXON/ADMD=TELEMAIL/C=US/; Relayed; Fri, 2 Feb 1996 09:4
X400-Received: by /PRMD=EXXON/ADMD=TELEMAIL/C=US/; Relayed; Fri, 2 Feb 1996 09:4
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Date: Fri, 2 Feb 1996 09:40:03 -0500
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X400-Recipients: traverse@ems.psu.edu
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Content-Identifier: Boom, etc.
Message-ID: <"FPMAIL 960202093957447031*/I=B/G=Martin/S=Farley/O=EUSA/PRMD=EXXON
To: "FPEXMAIL-TRAVERSE *TRAVERSE, ALFRED" <traverse@ems.psu.edu>
Subject: Boom, etc.
Content-Type: text

Exxon Production Research, ST-2110
Dear Alfred,

The weather today is very Northeastern. It was about 35 degrees when I got up this morning and raining. The temperature is supposed to gradually fall throughout the day with the rain continuing, which will make for excitement on the roads with people who don't really know that ice can form naturally. This will continue through the weekend with highs about 30 and lows in the teens.

We have been fitfully sending out reprints of a paper by Lew Stover and Jan Hardenbol on dinoflagellates and depositional sequences of the Boom Clay (Rupelian) of Belgium. Your name is on the reprint mailing list we got from Graham Williams. Would you like a copy or is this outside the spectrum that you are interested in today?

Sincerely yours,
Martin
(713) 965 4033

Received: from reston-mx1.telemail.net (reston-mx1.telemail.net [199.184.38.193])
From: Martin.B.Farley@EUSA.EXXON.sprint.com
X400-Received: by /PRMD=EXXON/ADMD=TELEMAIL/C=US/; Relayed; Tue, 30 Jan 1996 12:
X400-Received: by /PRMD=EXXON/ADMD=TELEMAIL/C=US/; Relayed; Tue, 30 Jan 1996 12:
X400-Received: by /PRMD=EXXON/ADMD=TELEMAIL/C=US/; Relayed; Tue, 30 Jan 1996 12:
Date: Tue, 30 Jan 1996 12:51:35 -0500
X400-Originator: Martin.B.Farley@EUSA.EXXON.sprint.com
X400-Recipients: traverse@ems.psu.edu
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X400-Content-Type: P2-1984 (2)
Content-Identifier: Hochuli
Message-ID: <"FPMAIL 960130125130310961*/I=B/G=Martin/S=Farley/O=EUSA/PRMD=EXXON
To: "FPEXMAIL-TRAVERSE *TRAVERSE, ALFRED" <traverse@ems.psu.edu>
Subject: Hochuli
Content-Type: text

Exxon Production Research, ST-2110
Dear Alfred,

I just received an email message from Peter Hochuli so he is now hooked up. (I told him when he left Esso-REP that he should get an email address because it so greatly simplifies overseas communication.) This arrangement is with his and your old stomping grounds at ETH.

The address is apparently

hochuli@eurasia.ethz.ch

We have a front coming through so today's high near 80 will decline to a high in the mid-50's tomorrow.

Sincerely yours,
Martin
(713) 965 4033

Date: Sun, 28 Jan 1996 12:01:03 -0500 (EST)
From: "Alfred Traverse" <traverse@ems.psu.edu>
To: martin.b.farley@eusa.exxon.sprint.com
Cc:
Bcc:
Subject: reply to 17 & 24 Jan.
X-NUPop-Charset: IBM 8-Bit

Dear Martin:

As you probably knew, Betty and I left on 26 Dec. for California and back via 23 states (among other places we drove through Houston in the wee hours of one morning, enroute to Bastrop, where we spent a day with an old friend from our Houston days--a physician who recently was widowed--I'm so glad we went because he was in great shape but has since fallen, broken his leg very badly and probably will never be really mobile again). Purpose was deliver a truckload of plant fossils to Nan Arens at UCB. Also all my notes and lit. and slides about fossil plants. What a time to be gone--three blizzards and then, just days before our return, terrible flooding. PA 26 was closed for two days, and one of the reasons was that Horn Run (on our property) flooded two feet deep across the road. We got back on 25 Jan.

The literary source you should consult for in-depth coverage of womens' basketball ~~coverage~~ is USAToday. It's amazing--box scores and short stories about all games of top-25. We missed many games, of course, including the first ones in the new place. We were there day before yesterday for the Illinois game, which we won, 105-77 or some such score. Christine Portland scored two three pointers at the end of the game that sent us over the 100 level. We have very mixed emotions about Jordan Center. It is magnificent, but the scoreboard is hard to read, there is zero leg room, and one is miles from the action. In the future I will bring field glasses. Also, it involves very complex maneuvers to get there. Our initial strategy is to park about halfway there and walk the rest of the way. However, at that first game it didn't work too well, as a dreadful sleetstorm with high winds came up during the game, and it was just awful on the way back to the car.

Now for yours of 24-I. Ye gods, you are hard to please: the Nits are 15-1, having lost one game, on the road, to a very good team by a total of one point. A friend who was there says we were robbed at that--the winning basket by UM should have been disallowed as Michigan committed a very flagrant foul on the play. Anyhow, the NLs dismantled the Hoosiers, just blew them away, yesterday. This is one year when the men are better relatively than the women. Who would have thought it?

Thanks for the news of friends Hochuli and Zippi.

Thanks also for the info for the second edition of Paleopalynology. And, yes, I would like further such items. I have a very thick set of (3) notebooks containing such matters. Nevertheless, I continue to get about one letter a week from somebody who has picked up something of value from the book. It really is packed with information.

I do not intend to take part in the palynological meetings in TX later in the year. I now, of course, will pay personally for the whole cost of such ventures, and am not motivated to do so unless the meeting is in a desirable venue--which involves considerations of novelty and timing. Houston doesn't qualify on either score. Why didn't they have it in the Big Bend at a conference center?

It's really nice to be in touch with you, old friend. I have most happy recollections of our relationship. The trip west with you was a great occasion for example.

Best. Alfred.

Received: from merit-mx1.telemail.net (merit-mx1.telemail.net [198.70.61.62]) by
From: Martin.B.Farley@EUSA.EXXON.sprint.com
X400-Received: by /PRMD=EXXON/ADMD=TELEMAIL/C=US/; Relayed; Wed, 24 Jan 1996 14:
X400-Received: by /PRMD=EXXON/ADMD=TELEMAIL/C=US/; Relayed; Wed, 24 Jan 1996 14:
X400-Received: by /PRMD=EXXON/ADMD=TELEMAIL/C=US/; Relayed; Wed, 24 Jan 1996 14:
Date: Wed, 24 Jan 1996 14:22:13 -0500
X400-Originator: Martin.B.Farley@EUSA.EXXON.sprint.com
X400-Recipients: traverse@ems.psu.edu
X400-MTS-Identifier: [/PRMD=EXXON/ADMD=TELEMAIL/C=US/;FPMAIL 960124142207110571]
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Content-Identifier: Paleopalynology
Message-ID: <"FPMAIL 960124142207110571*/I=B/G=Martin/S=Farley/O=EUSA/PRMD=EXXON
To: "FPEXMAIL-TRAVERSE *TRAVERSE, ALFRED" <traverse@ems.psu.edu>
Subject: Paleopalynology
Content-Type: text

Exxon Production Research, ST-2110
Dear Alfred,

Your inquiry a couple of months ago derived from your current revision of "Paleopalynology" came to my mind this morning when I was paging through the current edition and noticed an annotation in the book.

It refers to p. 311 of the current edition on Cenophytic botanical relationships, where you cite Crepet and Daghljan (1981) as linking Pistillipollenites with flowers of Gentianaceae. As you probably know, subsequent work has shown that whatever family the flowers belong to, it is not the Gentianaceae. I'll look for other annotations, but your book just didn't reach the standards of Tom Taylor's original paleobotany text. My favorite in that was the famous Spanish lycophyte, the sigillarina.

In industry news, I've heard that Pierre Zippi is being transferred from Anchorage to Plano to handle coordination of the contractors for Arco's international paleontology. This is roughly the job Ray Christopher did.

Peter Hochuli called me the other day. He said he was very busy, but as he had a specific request to deal with and he was paying for the call, I didn't get a complete explanation. At least he didn't complain about the weather being so bad in Switzerland that the cows had to be fed by having hay airlifted to them by helicopters.

So, I hope you're preparing your abstracts for the upcoming IPC to be held in an exotic high-altitude, high-relief locale near here. We can only hope that the local weather will cooperate.

The Penn State-Michigan men's game last Sunday was televised here. The Lions performance at the end left something to be desired, but it was not a bad performance.

Sincerely yours,
Martin
(713) 965 4033

Received: from reston-mx1.telemail.net ([199.184.38.193]) by pangaea.ems.psu.edu
From: Martin.B.Farley@EUSA.EXXON.sprint.com
X400-Received: by /PRMD=EXXON/ADMD=TELEMAIL/C=US/; Relayed; Wed, 17 Jan 1996 19:
X400-Received: by /PRMD=EXXON/ADMD=TELEMAIL/C=US/; Relayed; Wed, 17 Jan 1996 19:
X400-Received: by /PRMD=EXXON/ADMD=TELEMAIL/C=US/; Relayed; Wed, 17 Jan 1996 19:
Date: Wed, 17 Jan 1996 19:47:14 -0500
X400-Originator: Martin.B.Farley@EUSA.EXXON.sprint.com
X400-Recipients: traverse@ems.psu.edu
X400-MTS-Identifier: [/PRMD=EXXON/ADMD=TELEMAIL/C=US/;FPMAIL 960117194705886891]
X400-Content-Type: P2-1984 (2)
Content-Identifier: Organic particle
Message-ID: <"FPMAIL 960117194705886891*/I=B/G=Martin/S=Farley/O=EUSA/PRMD=EXXON
To: "FPEXMAIL-TRAVERSE *TRAVERSE, ALFRED" <traverse@ems.psu.edu>
Subject: Organic particle sedimentation, etc.
Content-Type: text

Exxon Production Research, ST-2110
Dear Alfred,

When I was home for Christmas, My father mentioned to me that he had seen a review of "Sedimentation of Organic Particles" in the American Scientist. I didn't know what he was talking about because I hadn't seen any such review in my copies. I knew that it was unlikely he saw it in any other journal because he only gets the Notices of the American Mathematical Science and perhaps one FASEB (Federation Amer. Societies for Experimental Biol.) journal, and both seemed unlikely places for such a review. At any rate, I received the Jan-Feb 96 issue of American Scientist today, and lo and behold there is a review. Now I wonder how my father got his copy so early.

I assume that you have dug out of the great blizzard of '96 even though this is the first semester you are retired in the sense of no classes to teach. My parents were stranded for several days, and my mother called last Saturday to implicitly inform me how lucky I am she is still alive: she had just finished wading through the yard to refill the suet feeder for the birds; she was admiring the scene from the front porchlet and then the gutters (and accompanying ice) fell off the front of the house with a loud crash.

I wonder how many people would have thought that Penn State men's basketball would be the highest ranked team in the Big 10 within 3 years of entering the league. Of course, they played a fairly weak pre-league schedule so we will have to wait to see how good they really are. Now that they are in the top 25 their games actually get coverage (fractions of a column inch) in the Houston Chronicle. The women are also doing well, but I can only tell from the weekly polls as women's basketball outside the Southwest Conference gets almost no coverage. The most recent men's coverage also mentioned the inauguration of the Jordan edifice.

Say hello to Betty for me.

Sincerely yours,
Martin
(713) 965 4033

Received: from merit-mx1.telemail.net (merit-mx1.telemail.net [198.70.61.62]) by
From: Martin.B.Farley@EUSA.EXXON.sprint.com
X400-Received: by /PRMD=EXXON/ADMD=TELEMAIL/C=US/; Relayed; Mon, 18 Dec 1995 11:
X400-Received: by /PRMD=EXXON/ADMD=TELEMAIL/C=US/; Relayed; Mon, 18 Dec 1995 11:
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Date: Mon, 18 Dec 1995 11:45:06 -0500
X400-Originator: Martin.B.Farley@EUSA.EXXON.sprint.com
X400-Recipients: traverse@ems.psu.edu
X400-MTS-Identifier: [/PRMD=EXXON/ADMD=TELEMAIL/C=US/;FPMAIL 951218114456896551]
X400-Content-Type: P2-1984 (2)
Content-Identifier: What practical u
Message-ID: <"FPMAIL 951218114456896551*/I=B/G=Martin/S=Farley/O=EUSA/PRMD=EXXON
To: "FPEXMAIL-TRAVERSE *TRAVERSE, ALFRED" <traverse@ems.psu.edu>
Subject: What practical use...for paleontology?
Content-Type: text

Exxon Production Research, ST-2110
Dear Alfred:

Direct from the floor of the U.S. House of Representatives:

"If this House is bound at all by its repeated promises to reduce expenditures, we ought to begin on this Geological Survey...What practical use has the Government for paleontology? What function of the Government is carried on by means of paleontology? Not only has the Government no use for it as government, but paleontological work is not even necessary to the proper construction of a geological map."

Direct but no immediate, because although this sounds like someone might have said it just yesterday, it is actually a speech given by a Congressman Hilary Herbert in May 1892. Apparently Herbert got two paleontology positions and expenses of \$36,000 cut out of the Survey budget.

I found this in a sidebar to an article in the Dec 1995 AAPG Explorer on a manuscript on Yellowstone geology that was not published by the USGS in the 1890's because of budget cuts. This ms, long presumed lost, was recently located in the National Archives. David Love, among others, is trying to raise money to get it published now. In addition, a botanist named Setchell at UC-Berkeley had written a chapter on the hot spring algae; this manuscript had also been presumed lost, but was recently located bound in a notebook in the herbarium at Berkeley. How many other fields are there in which 100 year old manuscripts could still be technically viable?

This is not an isolated case. There are certainly other unpublished manuscripts that would be valuable if they could be located today. I remember finding a listing in the Nebraska Geol. Survey Publication catalog of an unpublished (for budget cuts of course) manuscript dating from at least 75 yrs ago on fossil leaves and mudstones of the Dakota Formation. I wrote to the Survey to ask if I could get a copy even if the ms wasn't technically published (the locality info alone would be of great interest), but got a reply saying that they didn't know why they listed the ms in the catalog because they didn't actually have a copy. The ms could of course easily still exist somewhere but perhaps in a form or place where it is hard to recognize. Even the E&MS Library had publications that were not in the catalog, so I had the pleasure of showing the librarians where to find a couple of things they insisted they didn't have. This is why it is important to know libraries intimately: it is a lot easier to find something if you know they have it than if you are just trying to look it up in a catalog.

Sincerely yours,



Received: from reston-mx1.telemail.net (reston-mx1.telemail.net [199.184.38.193])
From: Martin.B.Farley@EUSA.EXXON.sprint.com
X400-Received: by /PRMD=EXXON/ADMD=TELEMAIL/C=US/; Relayed; Thu, 14 Dec 1995 14:
X400-Received: by /PRMD=EXXON/ADMD=TELEMAIL/C=US/; Relayed; Thu, 14 Dec 1995 14:
X400-Received: by /PRMD=EXXON/ADMD=TELEMAIL/C=US/; Relayed; Thu, 14 Dec 1995 14:
Date: Thu, 14 Dec 1995 14:37:47 -0500
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X400-Recipients: traverse@ems.psu.edu
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To: "FPEXMAIL-TRAVERSE *TRAVERSE, ALFRED" <traverse@ems.psu.edu>
Subject: Honors
Content-Type: text

Exxon Production Research, ST-2110
Dear Alfred,

I hope you're enjoying the seasonal weather in your neck of the woods. Down here we actually had two nights of hard freezes last week, but now we're back to warmer weather (lows in the 60's and highs in the upper 70's). I suppose you have also completed (or nearly completed) another Palynology class.

Incidentally, I have been spending occasional Friday afternoons drinking beer with a geologist who took your Palynology class at UT-Austin, Giff Kessling. (He is also connected to Tony Prave.)

I was at Rice last weekend looking through the botanical journals at the library, and I picked up a copy of the Rice student newspaper, The Rice Thresher. The lead article concerned the faculty vote on changes in the numbers of graduation honors awarded to the senior class. The general faculty voted 34-33 (out of 450 eligible faculty voters) to raise the number from 20% to 30%. Among the justifications listed in the article was the fact that at 30% Rice now matches Yale, but trails Princeton at 45% and Harvard at 85%. I take from this that Harvard follows what I might call (with reference to Alice in Wonderland) the principle of "All have won and all must have prizes."

Not much else exciting to report.

Sincerely yours,
Martin
(713) 965 4033

Date: Thu, 9 Nov 1995 15:23:06 -0500 (EST)
From: "Alfred Traverse" <traverse@ems.psu.edu>
To: martin.b.farley@eusa.exxon.sprint.com
Cc:
Bcc:
Subject: darvan
X-NUPop-Charset: IBM 8-Bit

Hi, Martin!

Your answer reminds me of the typical feminine answer to a question. She answers not the question you asked, but the question she thinks you should have asked. "What's for supper?" Ans.: "I haven't had time to go shopping."

I am interested in your response, and we'll try it out in the lab. However, I was hoping you could contact an Exxon CHEMIST who would inform you if there is a product out there that is the same as Darvan, the name of the compound being in my last missive of this genre. If feasible, I'd still like that.

This weekend is pretty empty, being an open date for the NLs. (I remember once in the long ago when the Harvard schedule showed a Sat. as "Open." The Lampoon organized a mock game between H. and Open U., with bands, etc. Att. rivalled that of the real games.) I'm driving down to Lamont Doherty for a conf. with Paul Olsen and Sarah Fowell about mutual Triassic interests.

Hang in there. You lapsed: no greeting. Best. Alfred.

Received: from reston-mx1.telemail.net ([199.184.38.193]) by pangaea.ems.psu.edu
From: Martin.B.Farley@EUSA.EXXON.sprint.com
X400-Received: by /PRMD=EXXON/ADMD=TELEMAIL/C=US/; Relayed; Thu, 2 Nov 1995 16:0
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Date: Thu, 2 Nov 1995 16:08:00 -0500
X400-Originator: Martin.B.Farley@EUSA.EXXON.sprint.com
X400-Recipients: traverse@ems.psu.edu
X400-MTS-Identifier: [/PRMD=EXXON/ADMD=TELEMAIL/C=US/;FPMAIL 951102160756554191]
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Content-Identifier: darvan
Message-ID: <"FPMAIL 951102160756554191*/I=B/G=Martin/S=Farley/O=EUSA/PRMD=EXXON
To: FPEXMAIL-TRAVERSE <traverse@ems.psu.edu>
Subject: darvan
Content-Type: text

Exxon Production Research, ST-2110
Dear Alfred:

I'll ask the technicians in the processing lab, and I am mulling over who else I could ask here at EPR. You might also consider asking Merrell Miller or one of his cohorts at Amoco as they have the other major processing lab.

I don't know about long e-mail addresses. Exxon's system makes addresses of all kinds (internal and external) hard to remember, so I have to make use of the feature that allows you to assign "nicknames" to people. Thus, when I want to send you a note, I just address it to "Alfred" and the system sticks in the actual address.

It just goes to show how fast and much things can change that we will see what sort of football team Penn State has this year by its performance against Northwestern. But then who would have believed just a couple years ago that Columbia would be an Ivy League contender while Harvard and Yale would have to improve to be also-rans.

Sincerely yours,
Martin

(713) 965 4033

*** Reply to note of 11/02/95 10:36

To: EPRMBF --HOUHCCV1 Farley, Martin

Subject: darvan

*** Message Part 1: Text *****

RFC-822-Headers:

X-NUPop-Charset: English

*** Message Part 2: Text *****

Dear Martin:

In connection with revision of "Paleopalynology" I need to respond to frequent messages from here and there that "Darvan" is no longer available (Darvan no. 4 was never easy to get hold of, for that matter). Could one of the Exxon chemists tell you of a commercially available product that is a kissing cousin? Surely there must be a laundry additive, or septic system cleaner or whatever that would be about the same stuff (Darvan No. 4=mono-calcium salt of polymerized alkyl-aryl sulfonic acid).

Down with long e-mail addresses. They make it more likely that I'll flub up. Also down with addresses that contain both 1 and l. For that matter

because of the danger of confusion, they BOTH should be avoided!
I realize that you're only chargeable for the first offense.

Cutting firewood, planting trees, digging dahlias and glads, putting up bird feeders, bringing in the orange tree, etc., remind me that frigid weather isn't far off. Palynology course has only a month to go, and this year's class is the farthest behind in lab of any class yet. Discouraging.

All the best. Alfred.

Received: from merit-mx1.telemail.net (merit-mx1.telemail.net [198.70.61.62]) by
From: Martin.B.Farley@EUSA.EXXON.sprint.com
X400-Received: by /PRMD=EXXON/ADMD=TELEMAIL/C=US//; Relayed; Wed, 25 Oct 1995 12:
X400-Received: by /PRMD=EXXON/ADMD=TELEMAIL/C=US//; Relayed; Wed, 25 Oct 1995 12:
X400-Received: by /PRMD=EXXON/ADMD=TELEMAIL/C=US//; Relayed; Wed, 25 Oct 1995 12:
Date: Wed, 25 Oct 1995 12:48:56 -0400
X400-Originator: Martin.B.Farley@EUSA.EXXON.sprint.com
X400-Recipients: traverse@ems.psu.edu
X400-MTS-Identifiler: [/PRMD=EXXON/ADMD=TELEMAIL/C=US//;FPMAIL 951025124852299081]
X400-Content-Type: P2-1984 (2)
Content-Identifiler: two notes
Message-ID: <"FPMAIL 951025124852299081*/I=B/G=Martin/S=Farley/O=EUSA/PRMD=EXXON
To: FPEXMAIL-TRAVERSE <traverse@ems.psu.edu>
Subject: two notes
Content-Type: text

Exxon Production Research, ST-2110
Dear Alfred,

The rheumatic fever not only saved you from sleeping at times in other than an ordinary well made bed in 1943-1945, but also from sleeping in an ordinary well made bed (without maids). The Army apparently sets great store by well made beds in barracks life (I have no firsthand knowledge myself of course).

You might never have left a well made bed in the Army though. Just look at Serge Mamay's Army career: 18 months playing triangle in an Army band, and then the rest of the war learning Japanese (he finished just in time to occupy Japan).

Sincerely yours,
Martin
(713) 965 4033

*** Reply to note of 10/24/95 16:35
To: EPRMBF --HOUHCCV1 Farley, Martin

Subject: two notes

*** Message Part 1: Text *****
RFC-822-Headers:
X-NUPop-Charset: English

*** Message Part 2: Text *****
Dear Martin:

Plants are, of course, invertebrates. But not invertebrate animals. They are also featherless, for example.

I have secured another copy of PS Research, having chucked my original one, in order to read the article about up-to-date feminism and see what you were talking about. Well, I can only say that I do not do laundry. On one or two occasions (perhaps with you in Wyoming?) I have successfully, but with much trepidation, visited a laundromat. I have never ever operated a home washing machine or dryer. I have also never in my entire 70 years made a bed, having been prudent enough to have arranged an unbroken skein of female persons to do that for me: Mother--Harvard maids--Cambridge maids--Harvard maids again--wife. It was necessary to spend nearly a year in bed with rheumatic fever in 1938-39 in order to pull this off. Without that I would have probably been compelled to sleep in other than an ordinary well made bed for some period between Sept. 1943 and Aug. 1945. I also cannot to this day fold a dress shirt for the purpose of packing it. My mother and wife have

been so talented in this chore that I never needed to learn. Other than those things I can do most anything needed to get along in life, from driving a tractor to cooking dinner. Best. Alfred.

Received: from reston-mx1.telemail.net ([199.184.38.193]) by pangaea.ems.psu.edu
From: Martin.B.Farley@EUSA.EXXON.sprint.com
X400-Received: by /PRMD=EXXON/ADMD=TELEMAIL/C=US/; Relayed; Tue, 24 Oct 1995 12:
X400-Received: by /PRMD=EXXON/ADMD=TELEMAIL/C=US/; Relayed; Tue, 24 Oct 1995 12:
X400-Received: by /PRMD=EXXON/ADMD=TELEMAIL/C=US/; Relayed; Tue, 24 Oct 1995 12:
Date: Tue, 24 Oct 1995 12:56:14 -0400
X400-Originator: Martin.B.Farley@EUSA.EXXON.sprint.com
X400-Recipients: traverse@ems.psu.edu
X400-MTS-Identifier: [/PRMD=EXXON/ADMD=TELEMAIL/C=US/;FPMAIL 951024125610261451]
X400-Content-Type: P2-1984 (2)
Content-Identifier: But plants are i
Message-ID: <"FPMAIL 951024125610261451*/I=B/G=Martin/S=Farley/O=EUSA/PRMD=EXXON
To: "FPEXMAIL-TRAVERSE *TRAVERSE, ALFRED" <traverse@ems.psu.edu>
Subject: But plants are invertebrates
Content-Type: text

Exxon Production Research, ST-2110
Dear Alfred,

I don't know whether to laugh or cry upon seeing that the page in the 1995-1996GSA catalog that lists the available volumes of the "Treatise on Invertebrate Paleontology" is illustrated with a Mazon Creek nodule of fernlike foliage.

Of course, whether plants are invertebrate or not, they aren't covered by the Treatise.

Sincerely yours,
Martin
(713) 965 4033

Received: from merit-mx1.telemail.net (merit-mx1.telemail.net [198.70.61.62]) by
From: Martin.B.Farley@EUSA.EXXON.sprint.com
X400-Received: by /PRMD=EXXON/ADMD=TELEMAIL/C=US//; Relayed; Thu, 5 Oct 1995 12:3
X400-Received: by /PRMD=EXXON/ADMD=TELEMAIL/C=US//; Relayed; Thu, 5 Oct 1995 12:3
X400-Received: by /PRMD=EXXON/ADMD=TELEMAIL/C=US//; Relayed; Thu, 5 Oct 1995 12:3
Date: Thu, 5 Oct 1995 12:30:34 -0400
X400-Originator: Martin.B.Farley@EUSA.EXXON.sprint.com
X400-Recipients: traverse@ems.psu.edu
X400-MTS-Identifier: [/PRMD=EXXON/ADMD=TELEMAIL/C=US//;FPMAIL 951005123029730461]
X400-Content-Type: P2-1984 (2)
Content-Identifier: Male Harvard Ph.
Message-ID: <"FPMAIL 951005123029730461*/I=B/G=Martin/S=Farley/O=EUSA/PRMD=EXXON
To: "FPEXMAIL-TRAVERSE *TRAVERSE, ALFRED" <traverse@ems.psu.edu>
Cc: "HOUECSVA-EECTDD *Davies, Thomas D." <Tom.D.Davies@EXXON.sprint.com>
Subject: Male Harvard Ph.D.'s
Content-Type: text

Exxon Production Research, ST-2110
Hello, Alfred:

I see by the Sept 95 Research/Penn State that "It is not true that male Harvard
Ph.D.'s are genetically incapable of doing laundry, they just need mentoring in
how to care for fine linens and silks." (p. 4)

I was just wondering what your laundry knowledge of fine linens and silks is.
Maybe it would be a good idea to get an independent assessment from Betty.

Sincerely yours,
Martin
(713) 965 4033

Received: from merit-mx1.telemail.net (merit-mx1.telemail.net [198.70.61.62]) by
From: Martin.B.Farley@EUSA.EXXON.sprint.com
X400-Received: by /PRMD=EXXON/ADMD=TELEMAIL/C=US/; Relayed; Mon, 18 Sep 1995 15:
X400-Received: by /PRMD=EXXON/ADMD=TELEMAIL/C=US/; Relayed; Mon, 18 Sep 1995 15:
X400-Received: by /PRMD=EXXON/ADMD=TELEMAIL/C=US/; Relayed; Mon, 18 Sep 1995 15:
Date: Mon, 18 Sep 1995 15:03:52 -0400
X400-Originator: Martin.B.Farley@EUSA.EXXON.sprint.com
X400-Recipients: traverse@ems.psu.edu
X400-MTS-Identifiler: [/PRMD=EXXON/ADMD=TELEMAIL/C=US/;FPMAIL 950918150345233501]
X400-Content-Type: P2-1984 (2)
Content-Identifiler: Palynology refer
Message-ID: <"FPMAIL 950918150345233501*/I=B/G=Martin/S=Farley/O=EUSA/PRMD=EXXON
To: "FPEXMAIL-TRAVERSE *TRAVERSE, ALFRED" <traverse@ems.psu.edu>
Subject: Palynology references.
Content-Type: text

Exxon Production Research, ST-2110
Hello Alfred:

Perhaps you can provide some assistance with this request on references. I
have already pointed out that de Jersey is found under "J."

Sincerely yours,
Martin

(713) 965 4033

*** Forwarding note from EECPPM --HOUECSVA 09/18/95 13:26 ***

To: EECTDD --HOUECSVA Davies, T.D. EECYVC --HOUECSVA Chen, Y.Y.
EECNSI --HOUECSVA Ioannides, N. S. EPRMBF --HOUHCCV1 Farley, M.B.

From: Pete McLaughlin
EEC Biostratigraphy Group / GP8 Rm 760
Phone (713) 423-5988 / FAX 423-5896
Subject: Palynology references.
Any ideas? You can send to me of fpexmail(paleonet).

Regards, Pete

=====
Pete McLaughlin / Exxon Exploration Company / Technology Dept
P.O. Box 4778 / Houston, TX 77210-4778
*** Forwarding note from MICROPAL--FPEXMAIL 09/18/95 13:16 ***
To: EECPPM --HOUECSVA McLaughlin, Pete

Subject: Palynology references.

*** Message Part 1: Text *****

RFC-822-Headers:

Errors-To: jlipps@ucmpl.Berkeley.EDU

Originator: micropal@ucmpl.berkeley.edu

Precedence: bulk

X-Listprocessor-Version: 6.0b -- ListProcessor by Anastasios Kotsikonas

X-Comment: micropaleontology mailing list

X-Mailer: <PC Eudora Version 1.4>

*** Message Part 2: Text *****

Dear Palynologists,

I am trying to track down a few references that are cited
in "Paleopalynology" (Traverse 1988). Although quoted in the text,
I can't find these references in either the main reference list at
the back of the book, or the supplementary reference list at the

end of chapter one.

If anybody can give me the full (or abbrev.) reference for any of the following it would be much appreciated;

EHRENBERG, C.G. 1836.

GOEPPERT 1838.

MULLER 1773 and 1786.

De JERSEY 1965. (re: migration of palynomorphs with hydrocarbons)

Thanks in advance,

Phil Dolding
Department of Geological Sciences
University College London
Gower Street
London
WC1E 6BT
UK

ucfbjpd@ucl.ac.uk

Received: from merit-mx1.telemail.net (merit-mx1.telemail.net [198.70.61.62]) by
From: Martin.B.Farley@EUSA.EXXON.sprint.com
X400-Received: by /PRMD=EXXON/ADMD=TELEMAIL/C=US/; Relayed; Mon, 11 Sep 1995 16:
X400-Received: by /PRMD=EXXON/ADMD=TELEMAIL/C=US/; Relayed; Mon, 11 Sep 1995 16:
X400-Received: by /PRMD=EXXON/ADMD=TELEMAIL/C=US/; Relayed; Mon, 11 Sep 1995 16:
Date: Mon, 11 Sep 1995 16:48:26 -0400
X400-Originator: Martin.B.Farley@EUSA.EXXON.sprint.com
X400-Recipients: traverse@ems.psu.edu
X400-MTS-Identifier: [/PRMD=EXXON/ADMD=TELEMAIL/C=US/;FPMAIL 950911164823043381]
X400-Content-Type: P2-1984 (2)
Content-Identifier: various
Message-ID: <"FPMAIL 950911164823043381*/I=B/G=Martin/S=Farley/O=EUSA/PRMD=EXXON
To: FPEXMAIL-TRAVERSE <traverse@ems.psu.edu>
Subject: various
Content-Type: text

Exxon Production Research, ST-2110
Hello Alfred!

I'll take into account your point about salutations. I'll admit I hadn't thought of it. Of course internally, our email looks like a memo with From: and To: and you don't ordinarily put a salutation on a memo. The closing is automatic (uniformly added to all my notes). At one point, I had added my e-mail address to it, but one of my colleagues informed me that he had done so and then had been asked by his boss what the meaning of adding the address was (there is some ambivalence about access to external e-mail at Exxon). Therefore, I decided to leave my e-mail address off to avoid possible unpleasantness.

Until Saturday's football telecast (Texas Tech is after all practically a local team), I had not known that Parkhill resigned. The timing indeed seems peculiar. The explanation Parkhill gave in the TV interview was not exactly convincing (his daughter moved away from home?).

The football game proves that if you make as many and as serious a set of mistakes as the NLs did, you must be very good and very lucky to still win. The team never seems at its best in the first game of any season, and I'm sure that Joe is (secretly) happy that the team's performance gives him something to yell about in practice this week.

I have found the necessary information for ordering the Ivory Coast atlas (the catalogs I have from ORSTOM, which is the "French Scientific Research Institute for Development through Cooperation," are a little confusing even if most of the introductory material is in both French and English).

The address for mail orders is: Orstom Editions-Diffusion, 72, route d'Aulnay, F-93143 Bondy cedex. The atlas is by J.-P. Ybert, 1979, Atlas de pollens de Cote-d'Ivoire: Initiations- Documentations Techniques No. 40, 40 p., 25 plates. ISBN 2-7099-0545-0. 53.50 FF

The main 1992 catalog says that all orders for less than 200 FF require an additional 10% postal and invoice charge, with a minimum of 10 FF. The 1994 supplement indicates that the standard postal charge covers surface mail, and that "the airmail supplement applied systematically for delivery outside Europe is paid by the customer." Therefore, your notion of a traveler's check for slightly more than the required amount seems sensible (and a good idea; I assume from your note that you send the TC with pay-to-the-order-of left blank).

For what it is worth, the catalog says "Orders should be paid by International

Hunt Institute for Botanical Documentation

Giro Transfer to Le Regisseur d'avance et de recettes de l'Orstom Bondy, CCP Paris 9152-54X, or by bank cheque made out to the same order." Incidentally, the supplement has an indication that certain credit cards could be used obliterated by hand with a Sharpie or other felt tip marker. Credit cards are indeed an international lifesaver (an advantage for AASP in hosting the IPC), but apparently for Orstom, the experiment didn't work out.

I will be coming to State College in October as I mentioned last summer. My current itinerary has me driving over to State College from Williamsport on 8 October and returning to fly out from Williamsport on the 10th. (My final itinerary may depend a little on my mother's plans for me if any.) I understand you may have to be in the Adirondacks around that time, but my great-aunt's 100th birthday party on Saturday afternoon is the one fixed point.

Sincerely yours,

Martin

(713) 965 4033

*** Reply to note of 09/10/95 10:30

To: EPRMBF --HOUHCCV1 Farley, Martin

Subject: various

*** Message Part 1: Text *****

RFC-822-Headers:

X-NUPop-Charset: English

*** Message Part 2: Text *****

Hi Martin!

As you see I am trying to make converts to the idea that even an e-mail message should have a salutation--just seems rude not to say at least hi. A bye of some sort at the end also seems polite. Hmmm. You do the latter.

I was sure such a long missive would comment on the Parkhill resignation, which stunned us all. It accomplishes something that I've predicted for years--a black coach. We are really pulling for him, but he was handed a tough job by Bruce leaving--in September?!

The NLs almost got knocked off by TT, which horrifies the locals, but TT just may be a very good team. The NLs made too many mistakes.

Please send info on the French African pollen atlas. And now I'll share a tip--the way I purchase books from most foreign sources that don't want \$ is to send a traveller's check in about the right amount. E. g., I'm subscribing to the Kew journal tomorrow. They want L18. I'll buy a L20 traveller's check and tell them to keep the change. Much cheaper than a check in pounds. I would send the French place a TC for F50. In theory there is danger that the TC will be purloined. In fact, it doesn't happen.

Greetings. Alfred.

Received: from merit-mx1.telemail.net (merit-mx1.telemail.net [198.70.61.62]) by
From: Martin.B.Farley@EUSA.EXXON.sprint.com
X400-Received: by /PRMD=EXXON/ADMD=TELEMAIL/C=US/; Relayed; Fri, 8 Sep 1995 09:3
X400-Received: by /PRMD=EXXON/ADMD=TELEMAIL/C=US/; Relayed; Fri, 8 Sep 1995 09:3
X400-Received: by /PRMD=EXXON/ADMD=TELEMAIL/C=US/; Relayed; Fri, 8 Sep 1995 09:3
Date: Fri, 8 Sep 1995 09:35:57 -0400
X400-Originator: Martin.B.Farley@EUSA.EXXON.sprint.com
X400-Recipients: traverse@ems.psu.edu
X400-MTS-Identifier: [/PRMD=EXXON/ADMD=TELEMAIL/C=US/;FPMAIL 950908093553369221]
X400-Content-Type: P2-1984 (2)
Content-Identifier: spore books
Message-ID: <"FPMAIL 950908093553369221*/I=B/G=Martin/S=Farley/O=EUSA/PRMD=EXXON
To: FPEXMAIL-TRAVERSE <traverse@ems.psu.edu>
Subject: spore books
Content-Type: text

Exxon Production Research, ST-2110

Actually, the books seem expensive to me too. Since there seems to be no advantage to ordering both at once (like a discount on shipping), I'm inclined to order the angiosperm pollen book first, and then consider the pteridophytes. Of course, I can also cheat by having the EPR library order both for its collection.

I am inclined to believe that you can never have too many pollen atlases especially for areas of the world that are new and may involve palynological work in young sediments. This certainly is potentially true of China, although Exxon's work in general so far has concentrated on much older rocks (i.e., Tarim Basin Paleozoic). Even if the Neogene section is not of direct exploration interest, it usually turns up on the biostratigraphic list eventually because the thickness and timing of Neogene deposition so often has great effect on thermal maturation timing. It is striking how much work has been done in palynostratigraphy here lately on the highest portions of wells that were ignored originally because the original study was geared to the expected reservoir or source interval (some of these wells were drilled as long as 30 years ago).

In the general pollen atlas line, I discovered that the French "Third World" research organization ORSTOM published a pollen atlas of the Ivory Coast. The problem is have had is that it only costs 53 FF and ORSTOM only takes payment in FF. Therefore, my cost for obtaining a FF money order would exceed the value of the publication. I thought I'd arranged a way around this by having Peter Hochuli obtain it for me, but I guess he forgot about it in the anticipation of resigning from Esso-REP and moving back to Switzerland. Perhaps I'll bring it up again the next time I fax him (which is fairly frequently at the moment). I told him he should get an e-mail connection (I would think that would be practically de rigueur for a modern consultant), but it hasn't happened yet.

I'm glad to hear that "Palynology" is underway again. It seems one constant in an ever changing world.

Sincerely yours,

Martin

(713) 965 4033

*** Reply to note of 09/06/95 22:51

To: EPRMBF --HOUHCCV1 Farley, Martin

Subject: spore books

*** Message Part 1: Text *****

RFC-822-Headers:
X-NUPop-Charset: English

*** Message Part 2: Text *****
Dear Martin:

Thanks for the info. I may order the books, though that's a lot of cash for a "retiree." I am not very retired. Palynology course going for 31st straight year, with 11 aboard.

Best. Alfred.

Received: from merit-mx1.telemail.net (merit-mx1.telemail.net [198.70.61.62]) by
From: Martin.B.Farley@EUSA.EXXON.sprint.com
X400-Received: by /PRMD=EXXON/ADMD=TELEMAIL/C=US//; Relayed; Fri, 1 Sep 1995 09:1
X400-Received: by /PRMD=EXXON/ADMD=TELEMAIL/C=US//; Relayed; Fri, 1 Sep 1995 09:1
X400-Received: by /PRMD=EXXON/ADMD=TELEMAIL/C=US//; Relayed; Fri, 1 Sep 1995 09:1
Date: Fri, 1 Sep 1995 09:14:13 -0400
X400-Originator: Martin.B.Farley@EUSA.EXXON.sprint.com
X400-Recipients: traverse@ems.psu.edu, cjm@geosc.psu.edu
X400-MTS-Identifier: [/PRMD=EXXON/ADMD=TELEMAIL/C=US//;FPMAIL 950901091405205741]
X400-Content-Type: P2-1984 (2)
Content-Identifier: NOTE 08/31/95 21
Message-ID: <"FPMAIL 950901091405205741*/I=B/G=Martin/S=Farley/O=EUSA/PRMD=EXXON
To: FPEXMAIL-CJMAGEOS *CJM <cjm@geosc.psu.edu>,
"FPEXMAIL-TRAVERSE *TRAVERSE, ALFRED" <traverse@ems.psu.edu>
Subject: NOTE 08/31/95 21:51:57
Content-Type: text

Exxon Production Research, ST-2110

I don't know if you are connected to any e-mail mailing list that notifies you of such things, so I am forwarding this for your information.

Sincerely yours,

Martin

(713) 965 4033

*** Forwarding note from PALEONE1--FPEXMAIL 08/31/95 21:51 ***

To: -- RFC-822!paleonet(a)nhm.ac.uk;;P:internet,A:telemail,C:us

Subject: NOTE 08/31/95 21:51:57

*** Message Part 1: Text *****
RFC-822-Headers:
Precedence: bulk

*** Message Part 2: Text *****
BOOK NEWS:

(1) Pollen Flora of China, 2nd edition, by Wang Fuhsiung et al., 1995.
Beijing: Science Press. 461pp, 205 plates (Chinese version). Price: 89US\$.

THE MAIN CONTENTS INCLUDE: Descriptions of pollen morphology, and their distribution in China, ecological habitat; 121 families, 912 genera and over 1400 species of pollen are described and illustrated (with both Chinese names and Latin names).

(2) Spore Morphology of Chinese Pteridophytes, by Zhang Yulong et al., 1990.
Beijing: Science Press. (English version: 592pp, 101 plates, price: US\$100.
Chinese version: 451pp, 101 plates, US\$40)

In this book, the authors systematically described the morphology of spores of over 1000 species representing 175 genera and 52 families. The illustrations include 119 text-figures (line-drawings) of spore types, 89 plates of photomicrographs of extant spores, and 12 plates of fossil spores. The main contents are: geographic distribution of extant pteridophytes in China; distribution of fossil fern spores in geological periods; general spore morphology of pteridophytes; spore types of pteridophytes; description of spore morphology in all families of pteridophytes.

Postage: surface mail: \$15 (each book)
air mail: \$25 (each book)

Hunt Institute for Botanical Documentation

If you are interested in any one of the books, please contact:

Dr Changqing Song
Paleobotany Section
Institute of Botany
Beijing 100093
P.R. China

or

Dr Qinhu Jiang
Geology Dept.
Peking University
Beijing 100871
P.R. China
E-mail: qjiang@geoms.geo.pku.edu.cn

Received: from merit-mx1.telemail.net by pangaea.ems.psu.edu
(4.1/PSU_ESSC/GEOSC-2.02) id AA10890; Tue, 11 Jul 95 21:26:03 EDT
X400-Received: by /PRMD=EXXON/ADMD=TELEMAIL/C=US/; Relayed; Tue, 11 Jul 1995 17:
X400-Received: by /PRMD=EXXON/ADMD=TELEMAIL/C=US/; Relayed; Tue, 11 Jul 1995 17:
X400-Received: by /PRMD=EXXON/ADMD=TELEMAIL/C=US/; Relayed; Tue, 11 Jul 1995 17:
Date: Tue, 11 Jul 1995 17:15:21 -0400
X400-Originator: Martin.B.Farley@EUSA.EXXON.sprint.com
X400-Recipients: traverse@ems.psu.edu
X400-Mts-Identifier: [/PRMD=EXXON/ADMD=TELEMAIL/C=US/;FPMAIL 950711171517876431]
X400-Content-Type: P2-1984 (2)
Content-Identifier: Rhynie
From: Martin.B.Farley@eusa.exxon.sprint.com
Message-Id: <"FPMAIL 950711171517876431*/I=B/G=Martin/S=Farley/O=EUSA/PRMD=EXXON
To: "FPEXMAIL-TRAVERSE *TRAVERSE, ALFRED" <traverse@ems.psu.edu>
Subject: Rhynie

Exxon Production Research, ST-2110

There is a paper by Rice, et al (one of the et al is DJ Batten) in Jour Geol Soc London (1995, vol. 152, p. 229-250) on the geochemistry and mode of formation of the Rhynie chert, which they interpret as the result of a gold-bearing hot spring that you might be interested in.

I'm sorry it was not practical to drop by State College when I was in Philadelphia last month, but there is a possibility that I will be in upstate Pennsylvania in early October so perhaps I will be able to drop by then.

Sincerely yours,
Martin
(713) 965 4033

Received: from sprintf.merit.edu (sprint.com) by pangaea.ems.psu.edu
(4.1/PSU_ESSC/GEOSC-2.02) id AA16461; Thu, 1 Jun 95 03:20:21 EDT
X400-Received: by /PRMD=EXXON/ADMD=TELEMAIL/C=US/; Relayed; Wed, 31 May 1995 15:
X400-Received: by /PRMD=EXXON/ADMD=TELEMAIL/C=US/; Relayed; Wed, 31 May 1995 15:
X400-Received: by /PRMD=EXXON/ADMD=TELEMAIL/C=US/; Relayed; Wed, 31 May 1995 15:
Date: Wed, 31 May 1995 15:31:26 -0400
X400-Originator: Martin.B.Farley@EUSA.EXXON.sprint.com
X400-Recipients: traverse@ems.psu.edu
X400-Mts-Identifier: [/PRMD=EXXON/ADMD=TELEMAIL/C=US/;FPMAIL 950531153119837221]
X400-Content-Type: P2-1984 (2)
Content-Identifier: PH
From: Martin.B.Farley@eusa.exxon.sprint.com
Message-Id: <"FPMAIL 950531153119837221*/I=B/G=Martin/S=Farley/O=EUSA/PRMD=EXXON
To: FPEXMAIL-TRAVERSE <traverse@ems.psu.edu>
Subject: PH

Exxon Production Research, ST-2110

I am startled to learn that you have applied for football season tickets. Who is going to handle the traditional Saturday estate management if you are off frittering your time away at football games?

Incidentally, I will mention that what with various retirements and transfers, I am now the chief research paleontologist at Exxon. "Chief" in this case is primarily a synonym for "only." (Chief sounds better although of course there is nothing official about the term.) The transfer means that Tom Davies is no longer "Chief Palynologist" at Exxon Exploration Company in the same sense of "chief."

Sincerely yours,

Martin

(713) 965 4033

*** Reply to note of 05/31/95 14:47

To: EPRMBF --HOUHCCV1 Farley, Martin

Subject: PH

*** Message Part 1: Text *****

RFC-822-Headers:

X-Nupop-Charset: English

*** Message Part 2: Text *****

Dear Martin:

I'll pass the congrats on.

Peter Hochuli was a dear friend in 80-81 in Zurich. His wife was already then a well known Swiss archeologist.

My last month as a full scale PSU prof starts tomorrow. I just found out that the palynology course is, however, fully enrolled for Fall already.

You will be startled to learn that I've applied for four football season tickets. Two as PSU prof (last chance) and two as Nittany Lion Club member (but I prob. don't have enough points in my first year).

Best regards from us both. Alfred

Received: from sprintf.merit.edu (sprint.com) by pangaea.ems.psu.edu
(4.1/PSU_ESSC/GEOSC-2.02) id AA04825; Wed, 31 May 95 11:53:09 EDT
X400-Received: by /PRMD=EXXON/ADMD=TELEMAIL/C=US/; Relayed; Wed, 31 May 1995 10:
X400-Received: by /PRMD=EXXON/ADMD=TELEMAIL/C=US/; Relayed; Wed, 31 May 1995 10:
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Date: Wed, 31 May 1995 10:32:39 -0400
X400-Originator: Martin.B.Farley@EUSA.EXXON.sprint.com
X400-Recipients: traverse@ems.psu.edu
X400-Mts-Identifier: [/PRMD=EXXON/ADMD=TELEMAIL/C=US/;FPMAIL 950531103232827781]
X400-Content-Type: P2-1984 (2)
Content-Identifier: Various
From: Martin.B.Farley@eusa.exxon.sprint.com
Message-Id: <"FPMAIL 950531103232827781*/I=B/G=Martin/S=Farley/O=EUSA/PRMD=EXXON
To: "FPEXMAIL-TRAVERSE *TRAVERSE, ALFRED" <traverse@ems.psu.edu>
Subject: Various
Status: U

Exxon Production Research, ST-2110

I hope the festivities surrounding Betty's graduation were a success, and you of course should offer her my (now somewhat belated) congratulations.

In other news: Peter Hochuli has resigned from Exxon, if you haven't heard this already. His wife got a job starting last January as some sort of archaeological museum director in Avenches, an old Roman town outside Fribourg. Peter, I think, was frustrated by the inability of the exploration company's management to decide if the paleontologists remaining in Bordeaux should stay there or be transferred to Houston. He intends to consult and perhaps do some teaching at the University of Zurich.

It's too bad to lose him, but that seems to be the way things go in the oil industry these days. Now we wonder what will become of the remaining palynologist in Bordeaux, Nicos Ioannides.

Sincerely yours,
Martin
(713) 965 4033

Date: Mon, 8 May 1995 15:59:11 -0500 (EST)
From: "Alfred Traverse" <traverse@ems.psu.edu>
To: martin.b.farley@eusa.exxon.sprint.com
Cc:
Bcc:
Subject: touch base
X-NUPop-Charset: IBM 8-Bit

Dear Martin:

Good to hear from you, but don't go too public with that WWW business. Intended as internal. I have enough troubles. Lately it's taken the form of our car being vandalized. We have to park in a secret location. However, this week the major concern is graduate commencement, at which said Dr. Thomas will convey on EIT the Ph. D. We're hosting two big parties, and relatives and friends are already beginning to assemble--even five members of Wellesley '49 will be here. Hang in there. Alfred.

Received: from sprintf.merit.edu (sprint.com) by pangaea.ems.psu.edu
(4.1/PSU_ESSC/GEOSC-2.02) id AA22170; Sun, 7 May 95 15:24:12 EDT
X400-Received: by mta merit in /PRMD=internet/ADMD=telemail/C=us/; Relayed; Sun
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X400-Received: by /PRMD=EXXON/ADMD=TELEMAIL/C=US/; Relayed; Sun, 7 May 1995 15:
Date: Sun, 7 May 1995 15:21:12 -0400
X400-Originator: Martin.B.Farley@EUSA.EXXON.sprint.com
X400-Recipients: traverse@ems.psu.edu
X400-Mts-Identifier: [/PRMD=EXXON/ADMD=TELEMAIL/C=US/;FPMAIL 950507152107231881
X400-Content-Type: P2-1984 (2)
Content-Identifier: New pollen taxa
From: Martin.B.Farley@eusa.exxon.sprint.com
Message-Id: <"FPMAIL 950507152107231881*/I=B/G=Martin/S=Farley/O=EUSA/PRMD=EXXO
To: "FPEXMAIL-TRAVERSE *TRAVERSE, ALFRED" <traverse@ems.psu.edu>
Subject: New pollen taxa

Exxon Production Research, ST-2110

As I'm sure you must know, there is a little article in the Penn Stater about the taxon you named for Thomas. It's a pity they missed the opportunity to include a picture. Enough publicity for this already, isn't it time for you to find an appropriate new form to name for the wicked witch of the west?

Sincerely yours,
Martin
(713) 965 4033

Received: from sprintf.merit.edu (sprint.com) by pangaea.ems.psu.edu
(4.1/PSU_ESSC/GEOSC-2.02) id AA06849; Mon, 13 Mar 95 08:57:54 EST
X400-Received: by mta merit in /PRMD=internet/ADMD=telemail/C=us/; Relayed; Mon
X400-Received: by /ADMD=TELEMAIL/C=US/; Relayed; Mon, 13 Mar 1995 08:48:12 -050
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Date: Mon, 13 Mar 1995 08:46:27 -0500
X400-Originator: Martin.B.Farley@EUSA.EXXON.sprint.com
X400-Recipients: traverse@ems.psu.edu
X400-Mts-Identifier: [/PRMD=EXXON/ADMD=TELEMAIL/C=US/;FPMAIL 950313084622939721
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Content-Identifier: Addresses and Ph
From: Martin.B.Farley@eusa.exxon.sprint.com
Message-Id: <"FPMAIL 950313084622939721*/I=B/G=Martin/S=Farley/O=EUSA/PRMD=EXXO
To: "FPEXMAIL-TRAVERSE *TRAVERSE, ALFRED" <traverse@ems.psu.edu>
Subject: Addresses and Phila.

Exxon Production Research, ST-2110

There are at least a couple of addresses that work for me at least in theory.
As the address you used did not come through to me, I'll give you both the
ones I know work:

martin.b.farley@eusa.exxon.sprint.com

martin.b.farley@exxon.sprint.com

The first is the 'official' address, and knowledgeable colleagues who have
experimented claim that messages using it seem to get delivered faster than
those without the eusa (short for Exxon USA). In our case that doesn't seem to
be a controlling factor (one of my colleagues's wife is a faculty member at
Rice so speed is perhaps more important there).

Although I enthusiastically decided it would be fun to attend the meeting in
Philadelphia, I have subsequently actually checked my calendar and I have
discovered that that weekend is the one I have to fly to Wyoming to teach in a
company sequence stratigraphic field school. As a result, I also will not be
able to attend (unless the school is canceled, which is possible).

As far as stratigraphic units go, I think it is dangerous to depend on
'original intent.' In modern parlance, Lyell's definition of the original
Cenozoic epochs is inadmissible as the definitions were based on fossil
zonation evidence and not on rocks (Berggren is forever railing about this
point in regards to say the stages in the Mesozoic as evidently defined by
ammonite zones, but it is clear that a number of the stages, as defined by
Berggren, in the Cenozoic are also based on fossil zones. It is also difficult
for Berggren to act as a stratigraphic purist as he resurrected the Selandian
and then altered its definition when the magnetostratigraphy made clear that
the Selandian as he originally conceived it would only be about 400 thousand
years long (and who could take a 400 ky stage seriously). As far as the Neogene
and the Quaternary go, I see (from the most recent Geotimes) that the Italians
seem to think that the Neogene ends at the base of the Quaternary.

I guess I would say that I am not a stratigraphic purist (I don't see how
anyone can be). If we're not going to apply the rule of priority (else
Quaternary and Tertiary would rule), then original definitions made prior to
modern views of how stratigraphic units should be defined don't amount to much
either.

Sincerely yours,

Martin

(713) 965 4033

Date: Sun, 12 Mar 1995 13:22:51 -0500 (EST)
From: "Alfred Traverse" <traverse@ems.psu.edu>
To: martin.b.farley@eusa.exxon.sprint.com
Cc:
Bcc:
Subject: geol. time, etc.
X-NUPop-Charset: IBM 8-Bit

Dear Martin: We are just back from the Big Ten Women's Basketball Tournament in Indy (Butler's Hinkle Fieldhouse, in which Betty had seen games when she was a girl)--PSU won, Missy Masley was MVP, and she and Pothoff and Nicholson were 3 of the all-tourney team of 5. # Betty passed her thesis defense just before we left. # Celia had our 7th grandchild yesterday--a girl, and all is well. # Regarding the subject of your message I was a little startled that you didn't seem to know that I endorse Berggren's point of view completely and discussed it at length and in several places in my textbook. I am opposed to using Tertiary, Quaternary and Holocene. We are now living in the Present Interglacial of the Pleistocene. The Neogene runs to the present (Berggren long ago convinced me that ending it with the Pliocene was not the original concept thereof). I would speak of the Mz/Cz boundary, or less satisfactorily, of the K/Pg. I agree that Quaternary will be difficult to stamp out, but it is wrong as a concept as well as unsatisfactory for terminological reasons. # I was invited to be the keynote speaker for the Phila. meeting you mention, but alas it conflicts exactly with the PSU Spring Commencement at which Betty fulfills the first part of your dream--that she get her doctorate, and I retire and become her assistant. The second part occurs on 1 July. She's already lectured at Princeton (on peasant violence in the Middle Ages), and is shopping for publishers for the book that her thesis will become. Best. Alfred.

Received: from sprintf.merit.edu (sprint.com) by pangaea.ems.psu.edu
(4.1/PSU_ESSC/GEOSC-2.02) id AA21678; Wed, 8 Mar 95 11:32:50 EST
X400-Received: by mta merit in /PRMD=internet/ADMD=telemail/C=us/; Relayed; Wed
X400-Received: by /ADMD=TELEMAIL/C=US/; Relayed; Wed, 8 Mar 1995 11:14:50 -0500
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Date: Wed, 8 Mar 1995 11:20:57 -0500
X400-Originator: Martin.B.Farley@EUSA.EXXON.sprint.com
X400-Recipients: traverse@ems.psu.edu
X400-Mts-Identifier: [/PRMD=EXXON/ADMD=TELEMAIL/C=US/;FPMAIL 950308112052845481
X400-Content-Type: P2-1984 (2)
Content-Identifier: Inappropriate na
From: Martin.B.Farley@eusa.exxon.sprint.com
Message-Id: <"FPMAIL 950308112052845481*/I=B/G=Martin/S=Farley/O=EUSA/PRMD=EXXO
To: "FPEXMAIL-TRAVERSE *TRAVERSE, ALFRED" <traverse@ems.psu.edu>
Subject: Inappropriate names

Exxon Production Research, ST-2110

Bill Berggren is in town for AAPG/SEPM and stopped by to look at our current (and nearly final) Cenozoic chronostratigraphic chart (for which he has supplied the recalibration of the planktonic forams to the magnetostratigraphy). When he saw the chart he went ballistic, because we include the dreaded (to him) stratigraphic terms "Tertiary" and "Quaternary."

I already knew of his opinions on this subject but I didn't know he was so rabid about the cause. I would certainly agree that the original derivation of Tertiary and Quaternary (from the sequence including Primary and Secondary) is now obsolete. Where I disagree, however, is that this is germane to the usefulness of the terms now. The Cretaceous, after all, is not made up of chalk everywhere (and there is even chalk in the North Sea that is not Cretaceous in age), and the Triassic is not always divisible into the original three parts.

People are used to the K/T boundary (Berggren is for the K/P boundary although when spoken this has an unfortunate allusion to American military practice).

While the derivation of the name Tertiary is now outdated, I recall the parallel with taxonomic nomenclature where it is invalid to reject a name merely because it is inappropriate. In any case, Berggren may have success in converting people on "Tertiary" at least within the "paleoceanographic" community, but "Quaternary" will not be stamped out so easily.

Other items: A thunder and wind storm came through Houston about 4 am yesterday and, among other things, ripped down a horizontal paneled "garage" door in the Houston convention center, wreaking havoc on the International Pavilion in the AAPG exhibits. In particular, the Australian Geological Survey Organization booth was hard hit. When they salvaged their material and moved to another location, their chief exhibitor put a sign saying "First you sink our boat, now you've wrecked our booth."

I just got an announcement of the "Mid-Continent" paleobotanical meeting in Philadelphia in May, and I am tempted to attend on the basis that I have a cheap place to stay in the area.

Sincerely yours,
Martin
(713) 965 4033

Received: from sprintf.merit.edu (sprint.com) by pangaea.ems.psu.edu
(4.1/PSU_ESSC/GEOSC-2.02) id AA23491; Wed, 8 Mar 95 13:55:19 EST
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X400-Received: by /ADMD=TELEMAIL/C=US/; Relayed; Wed, 8 Mar 1995 13:52:36 -0500
X400-Received: by /PRMD=EXXON/ADMD=TELEMAIL/C=US/; Relayed; Wed, 8 Mar 1995 13:
Date: Wed, 8 Mar 1995 13:51:15 -0500
X400-Originator: Martin.B.Farley@EUSA.EXXON.sprint.com
X400-Recipients: traverse@ems.psu.edu
X400-Mts-Identifier: [/PRMD=EXXON/ADMD=TELEMAIL/C=US/;FPMAIL 950308135058849761
X400-Content-Type: P2-1984 (2)
Content-Identifier: Additional note
From: Martin.B.Farley@eusa.exxon.sprint.com
Message-Id: <"FPMAIL 950308135058849761*/I=B/G=Martin/S=Farley/O=EUSA/PRMD=EXXO
To: "FPEXMAIL-TRAVERSE *TRAVERSE, ALFRED" <traverse@ems.psu.edu>
Subject: Additional note

Exxon Production Research, ST-2110
Jean-Pierre Loule said to say hello. He also said he would try to call you
while he was still in Houston, but I don't know if he has managed that.

Sincerely yours,
Martin
(713) 965 4033

Received: from sprintf.merit.edu (sprint.com) by pangaea.ems.psu.edu
(4.1/PSU_ESSC/GEOSC-2.02) id AA05172; Mon, 6 Feb 95 12:06:50 EST
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Date: Mon, 6 Feb 1995 10:01:50 -0500
X400-Originator: Martin.B.Farley@EUSA.EXXON.sprint.com
X400-Recipients: traverse@ems.psu.edu
X400-Mts-Identifier: [/PRMD=EXXON/ADMD=TELEMAIL/C=US/;FPMAIL 950206100146194291
X400-Content-Type: P2-1984 (2)
Content-Identifier: further experime
From: Martin.B.Farley@eusa.exxon.sprint.com
Message-Id: <"FPMAIL 950206100146194291*/I=B/G=Martin/S=Farley/O=EUSA/PRMD=EXXO
To: FPEXMAIL-TRAVERSE <traverse@ems.psu.edu>
Subject: further experiment

Exxon Production Research, ST-2110
My address can be construed as either martin.b.farley@eusa.exxon.sprint.com
or

martin.b.farley@exxon.sprint.com

The formally correct address is the one with "eusa" (which is the company abbreviation for Exxon Company, USA, the domestic operating unit). One of my colleagues who uses the system to communicate with his wife who is a faculty member at Rice says that he thinks the two versions are equivalent, except that using "eusa" makes the message arrive faster.

I saw the women's score this morning. Much to my surprise they actually showed the men's game against Iowa on Saturday. It was a good game from the point of view that Penn State won. The announcers also mentioned that Rec Hall was designed by the same architect who designed the Palestra in Philadelphia. I wasn't actually surprised to hear this although I would say the Palestra is a better basketball arena, primarily because Penn never installed acoustic ceiling tiles (they really deaden the sound).

>From my time in Indiana, I know about India-noplace. At the time, the city fathers used the slogan "Crossroads of America" because of the great confluence of interstate highways. I agreed because it was the place everyone went through on their way to somewhere else. I also remember the incredulity of one IU faculty member at hearing what was planned for spouse activities at the (then) upcoming GSA annual meeting: a visit to the racetrack museum. Well, what do you expect as it probably was just too far to take them to a museum in Chicago.

Sincerely yours,
Martin
(713) 965 4033
*** Reply to note of 02/05/95 17:12
To: EPRMBF --HOUHCCV1 Farley, Martin

Subject: further experiment

*** Message Part 1: Text *****
RFC-822-Headers:
X-Nupop-Charset: English

*** Message Part 2: Text *****
Dear Martin: Your message of 30 Jan. gives your address (in the body of the

message) as:martin.b.farley@exxon.sprint.com, but all other versions of the address include "eusa" as I'm using for this. Perhaps you could fire back an answer confirming that "eusa" is necessary and that you just slipped up. Just listened to the Lady Lions get their clocks cleaned at Purdue. We beat them by 20 here. Betty and I are going to the Big Ten tourney in Indiana-noplace, her home town. Best. Alfred.

Received: from sprintf.merit.edu (sprint.com) by pangaea.ems.psu.edu
(4.1/PSU_ESSC/GEOSC-2.02) id AA04247; Tue, 31 Jan 95 19:58:42 EST
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X400-Received: by /ADMD=TELEMAIL/C=US/; Relayed; Mon, 30 Jan 1995 09:29:10 -050
X400-Received: by /PRMD=EXXON/ADMD=TELEMAIL/C=US/; Relayed; Mon, 30 Jan 1995 09
Date: Mon, 30 Jan 1995 09:29:17 -0500
X400-Originator: Martin.B.Farley@EUSA.EXXON.sprint.com
X400-Recipients: traverse@ems.psu.edu
X400-Mts-Identifiler: [/PRMD=EXXON/ADMD=TELEMAIL/C=US//FPMAIL 950130092914054921
X400-Content-Type: P2-1984 (2)
Content-Identifiler: MBF e-mail addre
From: Martin.B.Farley@eusa.exxon.sprint.com
Message-Id: <"FPMAIL 950130092914054921*/I=B/G=Martin/S=Farley/O=EUSA/PRMD=EXXO
To: FPEXMAIL-TRAVERSE <traverse@ems.psu.edu>
Subject: MBF e-mail address

Exxon Production Research, ST-2110

I have discovered why the address you originally used didn't work: it used "m"
as my "first name" and Internet does not permit first names to be only one
character long. Therefore my "first name" has been changed so that the
following address will be valid:

martin.b.farley@exxon.sprint.com

Not much else new to report.

Sincerely yours,
Martin

(713) 965 4033

*** Reply to note of 01/22/95 11:01
To: EPRMBF --HOUHCCV1 Farley, M

Subject: MBF e-mail address

*** Message Part 1: Text *****
RFC-822-Headers:
X-Nupop-Charset: English

*** Message Part 2: Text *****

Hi Martin! Yours of 19 Jan. ostensibly came from the address I just used,
though I must say it seems as unlikely as Leo Hickey's, in which the word
Yale (ugh, foey) occurs three times. So, the purpose of this is to see if
this works, for your and my edification. I don't have a copy of the first
message, as I was educated to think that e-mail is by definition
existential. Lately, however, I have been making copies of incoming and
outgoing messages that seem important. Our son Paul sends an average of 1.5
messages per day--such as Harvard hockey scores, stock tips, etc. The Lady
Lions beat Purdue yesterday on national (CBS) TV, and I wondered if you were
"there." It was fun, and I owe it all to you. We are about to join the
Nittany Lion Club (an interesting legal extortion scheme of PSU) in order to
apply for football tickets and new Lady Lion season tickets in the new
arena, which was supposed to be ready for next season, but now is slated for
the season after that. The mens' team is now also a factor. They have lost
two Big Ten games (MN and IN) by a total of 4 pts. They have won three!
All the best. Who knows, maybe you won't get this. Alfred.
PS: we had a great time at the Rose Bowl and attendant festivities.

Received: from sprintf.merit.edu (sprint.com) by pangaea.ems.psu.edu
(4.1/PSU_ESSC/GEOSC-2.02) id AA05014; Mon, 23 Jan 95 11:42:09 EST
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Date: Mon, 23 Jan 1995 09:51:53 -0500
X400-Originator: /I=B/G=M/S=Farley/@EUSA.EXXON.sprint.com
X400-Recipients: traverse@ems.psu.edu
X400-Mts-Identifler: [/PRMD=EXXON/ADMD=TELEMAIL/C=US/;FPMAIL 950123095149916341
X400-Content-Type: P2-1984 (2)
Content-Identifler: MBF e-mail addre
From: /I=B/G=M/S=Farley/@eusa.exxon.sprint.com
Message-Id: <"FPMAIL 950123095149916341*/I=B/G=M/S=Farley/O=EUSA/PRMD=EXXON/ADM
To: FPEXMAIL-TRAVERSE <traverse@ems.psu.edu>
Subject: MBF e-mail address
Status: U

Exxon Production Research, ST-2110

Got your message. I'll have to check when I got home if the Lady Lion game was on here as the local CBS affiliate has not been carrying any of the network Sunday sports since the beginning of the NFL season (they can make more money showing something else). Obviously I didn't look yesterday.

I hope you limit making copies of e-mail to important things; my immediate past supervisor printed copies of every e-mail message he got, no matter how trivial the subject. This included the daily multi-page news bulletins issued by the French Embassy in D.C. (He is originally Venezuelan, was educated in Spain (and married a Spanish woman), and spent many years working in Exxon's Bordeaux office.)

I see by the new AASP directory that the stories I heard about Elsik returning to Snook, Texas are correct. I wonder about his health though, because Snook is only about 10 miles from College Station, and he didn't attend the AASP meeting there in the fall.

I also see that Steve Jacobson has left Chevron and Rosemary Askin and he are now in Columbus at Ohio State.

Sincerely yours,

Martin

(713) 965 4033

*** Reply to note of 01/22/95 11:01

To: EPRMBF --HOUHCCV1 Farley, M

Subject: MBF e-mail address

*** Message Part 1: Text *****

RFC-822-Headers:

X-Nupop-Charset: English

*** Message Part 2: Text *****

Hi Martin! Yours of 19 Jan. ostensibly came from the address I just used, though I must say it seems as unlikely as Leo Hickey's, in which the word Yale (ugh, fooey) occurs three times. So, the purpose of this is to see if this works, for your and my edification. I don't have a copy of the first message, as I was educated to think that e-mail is by definition existential. Lately, however, I have been making copies of incoming and outgoing messages that seem important. Our son Paul sends an average of 1.5 messages per day--such as Harvard hockey scores, stock tips, etc. The Lady Lions beat Purdue yesterday on national (CBS) TV, and I wondered if you were

Received: by pangaea.ems.psu.edu

(4.1/PSU_ESSC/GEOSC-2.02) id AA00625; Sun, 22 Jan 95 10:57:53 EST

X-Nupop-Charset: English

Date: Sun, 22 Jan 1995 11:00:26 -0500 (EST)

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

Sender: traverse@ems.psu.edu

Reply-To: traverse@ems.psu.edu

Message-Id: <39629.traverse@ems.psu.edu>

To: /I=B/G=M/S=Farley@eusa.exxon.sprint.com

Subject: MBF e-mail address

Status: U

Hi Martin! Yours of 19 Jan. ostensibly came from the address I just used, though I must say it seems as unlikely as Leo Hickey's, in which the word Yale (ugh, fooy) occurs three times. So, the purpose of this is to see if this works, for your and my edification. I don't have a copy of the first message, as I was educated to think that e-mail is by definition existential. Lately, however, I have been making copies of incoming and outgoing messages that seem important. Our son Paul sends an average of 1.5 messages per day--such as Harvard hockey scores, stock tips, etc. The Lady Lions beat Purdue yesterday on national (CBS) TV, and I wondered if you were "there." It was fun, and I owe it all to you. We are about to join the Nittany Lion Club (an interesting legal extortion scheme of PSU) in order to apply for football tickets and new Lady Lion season tickets in the new arena, which was supposed to be ready for next season, but now is slated for the season after that. The mens' team is now also a factor. They have lost two Big Ten games (MN and IN) by a total of 4 pts. They have won three! All the best. Who knows, maybe you won't get this. Alfred.

PS: we had a great time at the Rose Bowl and attendant festivities.

Received: from sprintf.merit.edu (sprint.com) by pangaea.ems.psu.edu
(4.1/PSU_ESSC/GEOSC-2.02) id AA19360; Thu, 19 Jan 95 19:19:40 EST
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Date: Thu, 19 Jan 1995 14:17:13 -0500
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Content-Identifier: Discovery
From: /I=B/G=M/S=Farley/@eusa.exxon.sprint.com
Message-Id: <"FPMAIL 950119141703858751*/I=B/G=M/S=Farley/O=EUSA/PRMD=EXXON/ADM
To: "FPEXMAIL-TRAVERSE *TRAVERSE, ALFRED" <traverse@ems.psu.edu>
Subject: Discovery

Exxon Production Research, ST-2110

If you tried to send me a message, it didn't get through to me. It did result, however, in getting your name in Exxon external directory (I looked you up on a whim.) There is some problem in what my email address is precisely. I even sent myself a message from my home computer, but it didn't get through.

In the meantime, you can answer to this, and (so I am told) I will be able to figure out the right answer.

Sincerely yours,
Martin
(713) 965 4033

Received: from sprintf.merit.edu (sprint.com) by pangaea.ems.psu.edu
(4.1/PSU_ESSC/GEOSC-2.02) id AA13799; Sun, 8 Jan 95 12:05:07 EST
Received: from gateway.sprint.com by sprintf.merit.edu id <29884-1@sprintf.merit
X400-Received: by mta merit in /PRMD=internet/ADMD=telemail/C=us/; Relayed; Sun,
X400-Received: by /ADMD=TELEMAIL/C=US/; Relayed; Sun, 8 Jan 1995 11:56:03 -0500
X400-Received: by /PRMD=EXXON/ADMD=TELEMAIL/C=US/; Relayed; Sun, 8 Jan 1995 12:0
X400-Mts-Identifier: [/PRMD=EXXON/ADMD=TELEMAIL/C=US/;FPMAIL 950108120125615541]
From: postmaster@gateway.sprint.com
To: traverse@ems.psu.edu
Subject: Delivery Report (failure) for m.b.farley@EXXON.sprint.com
Message-Type: Delivery Report
Date: Sun, 8 Jan 1995 12:04:18 -0500
Message-Id: <"FPMAIL 950108120125615541"@gateway.sprint.com>
Content-Identifier: connection ex...

This report relates to your message:
connection ex...

Your message was not delivered to m.b.farley@EXXON.sprint.com
for the following reason:
Unknown Address
Unable to deliver mail as specified recipient is invalid

This is the Internet Gateway for Sprint.

Sprint customers should contact Sprint Messaging Support for
assistance; others should contact their service provider.

Send mail to help@gateway.sprint.com for more information.

***** The following information is directed towards the local administrator
***** and is not intended for the end user

*

* DR generated in /PRMD=EXXON/ADMD=TELEMAIL/C=US/
* at Sun, 8 Jan 1995 12:01:26 -0500

*

* Converted to RFC 822 at sprintf.merit.edu
* at Sun, 8 Jan 1995 12:04:18 -0500

*

* Delivery Report Contents:

*

* Subject-Submission-Identifier: [/PRMD=internet/ADMD=telemail/C=us/;<43227.trav
* Content-Identifier: connection ex...

* Content-Type: p2

* Recipient-Info: m.b.farley@EXXON.sprint.com,

* /I=mb/S=farley/PRMD=EXXON/ADMD=TELEMAIL/C=US/;

* FAILURE reason Unable-To-Transfer (1);

* diagnostic Unrecognised-ORName (0);

* supplementary info "Unable to deliver mail as specified
* recipient is invalid";

***** End of administration information

The return of the original message was not requested

Received: by pangaea.ems.psu.edu

(4.1/PSU_ESSC/GEOSC-2.02) id AA13780; Sun, 8 Jan 95 11:58:08 EST

X-Nupop-Charset: English

Date: Sun, 8 Jan 1995 12:00:24 -0500 (EST)

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

Sender: traverse@ems.psu.edu

Reply-To: traverse@ems.psu.edu

Message-Id: <43227.traverse@ems.psu.edu>

To: m.b.farley@exxon.sprint.com

Subject: connection experiment

Dear Martin: We're just back from the Rose Bowl and attendant monkey-business and have received your card of "21 Dec." Our physician son in Binghamton has e-mail through Compuserve and sends about a message a day--stock tips, Harvard hockey scores, etc. So, you could have it at home if you wanted to. Enough. This is just to see if it works. You have to respond, of course, for me to know. Best. Alfred.

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

13 December, 1994

Dr. Martin B. Farley
Exxon Production Research
P. O. Box 2189
Houston, TX 77252

Dear Martin:

How nice to hear from you! While I think of it, I can hardly believe that you don't have e-mail, but I see no mention of it either in the AASP Directory or in your letterhead. It can be handy, and it can be a huge time-waster. I'm amused that our son, Paul, uses it the way he used to use ham radio when he lived with us. I get, on average, one message a day from him--stock tips, Harvard hockey scores, word on tooth loss by one of the grandkids, etc.

Thanks for the stamps. Keep your eyes open for them. Your mailroom should be a real treasure trove.

Glad you liked the book. I've only heard from 3-4 of the authors. Oh, well.

I would have profitted from the graphic correlation meeting. Of course, nowadays I have to pay for all such trips personally, and I am reluctant to go unless it's a place that might be fun extracurricularly. (By the way, EIT and I are going to the Rose Bowl. For one thing, I always wanted to see that parade. We're going early, in order to have a few more days in LA. We missed a lot of things the last time.) Your comments on the gc method were interesting. I recall that Nichols and Srivastava had a ruckus about the range of Corollina when both were working for an oil company. If I remember right, SS wanted C. to range into the Paleocene. It is very abundant in some rocks, and seems to be quite robust structurally as pollen goes, so reworking would be almost expected.

You don't mention sports at all. We are still big fans of the LL basketball team, a thing I totally owe to you. We belong to the booster club, subscribe to Rene's list (but not for the \$1000 they wanted us to contribute!). The team is 7th at the moment. They lost two days ago to Tennessee, 78-74, but Tenn. was no. 1. One of the 16 folks in the palynology course is the star or at

least a star of the ice hockey team. He asked us to go, but the games don't start until 9:00 p. m.!

Don't miss a chance to visit. If you ever came for a homecoming, you could stay with us. You should have come this year--it was the OSU game on a really glorious fall day, and PSU just obliterated them.

This year's palynology class is a very fine group of young people. And I guess they like me too. The paleobotany course had only 4 in preregistration, but a bunch of my fans from 423 changed over to 420 from something else, and now I have 14.

I guess you know that Mike Arthur found a way to compell me to retire, effective 1 July, 1995. I don't think it's going to change my activities much for a while at least. My checks will come from the retirement system instead of from PSU, and I'm not going to offer the paleobotany course any more. I believe I'll give the teaching collections to Nan Arens at UC Berkeley. I have it in writing that I can use my lab facilities until 1 July, 1998, at least, and the palynology course will be offered, at least for a while.

We are both o. k. Betty plans to finish her dissertation later this month, and we are going to celebrate her degree on 11 May, 1995, with a big dinner at the NLI.

She joins me in wishing you all the best.

Yours very truly,

Alfred Traverse

encl.: reprints, xerox of Joepa note--
I had chided him about saying (quoted as saying)
"Kerry should have went for some of the short ones."

EXON PRODUCTION RESEARCH COMPANY

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(713) 965-7279 fax

7 December 1994

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

Dear Alfred:

It has been a while since we've been in touch, so I hope things are going well with you. I enclose some botanically related stamps for you, fruits of my role as chairman of the AASP ballot committee.

I received the "Sedimentation of organic particles" book (in August, I think), and it looks good. At any rate, I haven't found any sideways figures.

Things are fairly stable: budgets were seriously cut in June for the rest of the year, but now we're in the standard bureaucratic mode of spending leftover money before the end of the fiscal (=calendar) year. This year for the first time the budget-cutting led to real frustration about one aspect of this job. When I was in academia, I could go to any meetings I cared to as long as I paid my own way. Now, when I have money to attend almost any meeting I would like to, I may not be able to go (on company time) unless the company picks up the bill because my time is too valuable(?!).

Otherwise things are going well. The new "Exxon" cycle charts (actually two of us here at EPR, with many, mostly European, collaborators) are well along and we have now advanced to wrangling over the billing with the French coordinators. Much of the problem is that people working entirely separately are not precisely aware of what contributions each is making.

I attended the SEPM Research Conference on Graphic Correlation last week here in Houston. There were a number of interesting talks and a couple of people were there who you know, namely Keith Mann from Juniata and Willi Ziegler from

Senckenberg. The meeting was particularly interesting for the insight it provided on Amoco's use of the technique. Although the idea of a global graphic composite standard sounds attractive in theory, in practice it just isn't useful. Amoco's global composite has a fairly large number of the markers for the standard Cenozoic nannofossil and planktonic foram zonations in the wrong stratigraphic order. This is bad, and these are the cosmopolitan marine planktonic forms. For more provincial groups, the problems are even greater. As an example, the top of Corollina shows on their range chart as Lower Maastrichtian. While I realize that some people recognize its occurrence as in place at least that high (I wonder myself), it is nonetheless true that there are geographic areas where its youngest occurrence is not remotely that young. Use of a global top in such an area would generally result in considering the top of Corollina of no use stratigraphically because its top would always occur far below where it was "supposed" to occur. Having said all this, there is no question that this approach can be highly valuable when applied to the right sort of datasets.

I hope things have been going well for Betty and you, and that winter so far has not been as snow-filled as last year (as for us, we're still stuck in the warmth: yesterday's high was close to 80).

Sincerely yours,



Martin B. Farley

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17 May, 1994

Dr. Martin B. Farley
Exxon Production Research
P. O. Box 2189
Houston, TX 77252-2189

Dear Martin:

How nice to hear from you per yours of 6 May, presumably 1994. We so often speak of you. Most recently in connection with F.-M. Schneider from Germany. His interests would mesh well with yours, and I suggested he contact you, really in the hope that he could study with you (could you have an arrangement with Rice or UH?).

Thanks for letting me know about Dr. Pollen! I'm going to look at his publications in Pattee to see if there's a possible slide in them somewhere.

President Thomas has resigned here after only four years. Of course, he always said he wanted to leave before he had to replace Joe Paterno. As president of U. AL he had to replace Bear Bryant and eventually lost the presidency there as a result. (The coach he hired seems to have lost a game once.)

All the best.

Yours very truly,

Alfred Traverse

6 May, 1994

Dear Alfred,

I don't know if the enclosed clipping really constitutes "parapalynology," but I thought you might like to see it anyway. At any rate, the guy certainly missed his calling. There still might be hope though if he has any children.

Not much new to report. We're working madly to get ready our chronostratigraphic charts for a poster at AAPG/SEPM next month. We're also planning our research for the next 2 yrs, which may consume as much time as we're allowed to do it.

Any word on the book?

Martin B. Farley

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1 February, 1994

Dr. Martin B. Farley
Exxon Production Research
P. O. Box 2189
Houston, TX 77252-2189

Dear Martin:

Thanks for the Hsü review. Actually, it sounds like typical Ken.

You would be amused know that I finally had eight more thin sections of Rhynie chert made, as you urged a while back. Charlie Thornton is now retired and makes thin sections, among other things, for a very modest charge. He made wonderful sections. The particular chunk is from Harlan Banks and full of interesting things.

The Lady Lions are numero uno in the USA, and all's well. Betty and I took in the defeat of Wisconsin by about 20 yesterday. PSU must be really good, because they had a bad game against a very creditable team and still won by plenty. It was Portland's 400th victory as a varsity coach.

Hang in there.

Yours very truly,

Alfred Traverse

10 Jan. 94



Dear Alfred,

Here is a copy of Hsü's book review.

Thanks also for your copy of Bruce's Christmas letter. This side of Bruce, which I was only dimly aware of before, is sad.

Martin

Farley

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20 December, 1993

Dr. Martin B. Farley
6102 Winsome Lane #33
Houston, TX 77252

Dear Martin:

It was so good to hear from you. With a botanical subject on the card too.

I haven't seen Hsü's review, but I will now go out and get it. I hope Ken didn't make too much of an ass of himself, as I really have affection for him, despite the fact that he called me a "running dog of the darwinians," or some such thing. (P.S.: I apparently threw out the thing with Hsü's review without noticing it--could you send a xerox?)

In two weeks how do you know the leaves in B-C won't be covered with snow?

We had a nice ten days in UK over the Thanksgiving weekend--I was keynote speaker at the retirement dinner for Chaloner.

Come see us and take in a LL basketball game. This may be the year to go to the Final Four. Our new freshmen are super. Susan Robinson seems to be doing great as new assistant coach. Christine Portland is now the star of girls' basketball on the prep scene around here, but surely we won't see her at PSU, will we?

Happy holidays and all the best for 1994 from us both.

Yours very truly,

Alfred Traverse

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5 November, 1993

Martin B. Farley
Exxon Production Research Co.
P.O. Box 2189
Houston, TX 77252, USA

Re: Page proofs for Sedimentation of Organic Particles

Dear Martin:

Betty and I have proof-read the entire book, using the only method that really works: one person (Betty) reading aloud from the typescript as submitted, the other person (AT) following each word of the typesetters' proof with a ruler. I hope we have caught all errors. I do not wish to bore you with unnecessary details, but, as most of you discovered, it is clear the CUP had a computer-glitch of some sort: e.g., (1) frequently the word at the bottom of a typescript page was run into the word at the top of the next page; (2) hundreds of hyphens were dropped; (3) rendering of special letters in foreign languages was frequently botched, etc.

After our go-through of the book, we went back to compare our markings with yours. Re "Wyoming" paper: thanks for the things you caught--we, of course, caught still others. We missed the botched number in Table 20.3. On the other hand, you missed the "w.f." in caption to Fig. 20.4. On the whole, this was a very clean job; only the screamer re Fig. 20.2 is a big problem for CUP to solve! Re "Annotated....": it will comfort you to know that we caught and corrected about 5x as many minor glitches as you did, including most of the ones you also eagle-eyed. However, we are very grateful for the boo-boos you got that we had missed, e.g. Orange "river" and the run-on in the McAndrews & Power paragraph. I hope you are continuing to expand the biblio.

All has now gone off to CUP, and we await the next development (for us probably the index and the final proofs; for you, the book itself). Thanks very much for your expertise, patience and encouragement.

Yours very truly,

Alfred Traverse

AT/et
encl: copy of letter to Paul Strother

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19 October 1993

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

Dear Alfred:

Here are the proofs of my two contributions to the CUP volume. Sorry I didn't send them earlier but I've been very busy at work and the Phillies' presence in the playoffs and World Series has hampered work at home.

I have ignored the instructions to use different colors for typesetter and publisher corrections; in the absence of a manuscript copyedited by Cambridge, how am I to tell the difference?

I have made no corrections on the Author's affiliation on the first page of each ms as I assume "to come to come" means exactly that.

As I mentioned on the phone, Figure 2 in the concentration paper is sideways. It appears to me that it can be righted without a net loss of space, so that the typesetting won't be screwed up. However, if resetting large segments of the ms is what's required, then it had better be done.

The copyeditor changed the reference to my paper in Palaios in the concentration paper to Farley (1989). This is correct and incorrect: the paper appeared in the 1989 volume but that issue didn't appear until 1990. For convenience and because 1989 is the obvious date on the paper, I have left this unchanged.

In the annotated bibliography, a number of taxonomic names are not in italics, but I believe I've caught them all (the original ms was correct, so this was introduced at a later stage than mine). In addition, there is one problem that I haven't marked because I am not sure how to deal with it. In the papers by Andersen (1970), Hafsten (1960), and Tauber (1965), there appears a Scandinavian letter, the o with a slash

through it (\emptyset). (This letter must have a name but I don't know what it is.) In the proof, this has been produced as the Greek letter phi (Φ). My manuscript used an "o" for this. Ideally the phi should be replaced by the Scandinavian letter, but I don't know how to get this across. Perhaps you can arrange it.

Proofreading my manuscripts has been time-consuming enough that I can certainly sympathize with your burden in trying to catch errors in the whole thing. I certainly appreciate your efforts in putting this volume together.

Sincerely yours,

A handwritten signature in blue ink that reads "Martin". The script is cursive and elegant, with a prominent initial 'M'.

Martin B. Farley

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21 September, 1993

Dr. Martin B. Farley
Exxon
P. O. Box 2189
Houston, TX 77252

Dear Martin:

Thanks for the nice note of 15 September. The bad news is something I can only shake my head over.

I don't intend to go to the AASP meeting for a variety of reasons. For one thing, the palynology course, with 20 members, is very demanding. For another, I would have to pay personally. In addition, there is the pain of being reminded too dramatically of the miscarriage of justice in the "chair" going to BR.

I had seen the announcement, but thanks anyway. What we need to see, however, is the PROOFS. Maddening.

This town is agog over the annual quarterback problem. The seeming incumbent (John Sacca) has probably permanently cooked his goose by giving a press conference in which he said "I am fed up" and Joepa was "ruining my career," etc., etc. Mr. P. simply can't tolerate prima donnas. The players don't even have their names on their uniforms. Unfortunately, most super qbs, including Joepa himself, are big egos. Too bad, because except for qb, this is a potentially great team. And Betty and I were all set to make reservations in the LA area for late Dec./early Jan.

Hang in there.

Yours very truly,

Alfred Traverse

EXXON PRODUCTION RESEARCH COMPANY

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15 September 1993

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

Dear Alfred:

I thought I'd bring you up-to-date on various news from the oil patch. At the exploration company (Exxon Exploration Co.), they had another in a periodic series of downsizings, and the net effect was the loss of 4 foram biostratigraphers to voluntary early (or in 2 cases, not so early) retirement, and subsequently the "involuntary separation" (the current euphemism) of two younger paleontologists, including one palynologist (Mike Melia). This reduces the number of active paleontologists throughout the corporation worldwide to about 15. The supervisor allowed as how "Exxon is now staffing biostratigraphy for the valleys rather than the peaks."

The news internally is, however, not the most dismal currently in the business. Shell (USA) is cutting drastically from about 18 paleontologists in the U.S. to about 5, and neither of Shell's palynologists (Peter Griggs, Steve Dittrich) will be left. I don't know how many palynologists worked in North America for Shell in your day, but when these cuts take effect, there will be none.

I enclose, for your ^{amusement?} information, the first announcement I have seen for "Sedimentation of Organic Particles" from CUP.

I hope that everything is going well with Betty and you. I don't suppose that there is any chance that I will have a chance to see you at AASP in Baton Rouge next month.

Sincerely yours,

Martin



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6 July, 1993

Dr. Martin B. Farley
Exxon Production Research
P. O. Box 2189
Houston, TX 77252

Dear Martin:

Enclosed is a little item to demonstrate that PSU never gives up!

You will remember the flap about this because you were a prime suspect.

Summer is racing by. Betty and I just used two freq. flyer tickets Betty earned by assiduously visiting her mother, to celebrate our 42nd wedding anniversary in style--we went to Los Angeles and had a nice time. She put up with three botanical gardens, and we visited the La Brea pits and museum (I didn't know the tar is still active and that modern animals, mostly birds and rabbits, but the occasional dog or cat, get trapped.) LA County Art Museum is on the same location. It is currently suffering from museumitis, of which the primary symptom is lack of cash. Only half of the galleries are open at any one time, as the security staff is too small for them all to be open.

We had a rent car and drove 390 miles in 5 days without ever leaving greater LA. The morning we left there were 9 fatalities on the interstates in the town.

Hope you continue to flourish. It would be good to see you again.

Yours very truly,

Alfred Traverse

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31 May, 1993

Dr. Martin B. Farley
Exxon Production Research
P. O. Box 2189
Houston, TX 77252

Dear Martin:

How nice to hear from you! I really miss our conversations-- that's beginning to be a long time ago.

The Dazzy Vance card was neat. I remember him as a pitcher in the twilight of his career. If I recall correctly he, as Luke Appling, was a great talent, never with the good fortune to be on a decent team. Nowadays that wouldn't happen. He'd sell himself to the Yankees or whomever.

I never knew Stover very well. I thought he was already retired at the time of his death. Please greet Peter Hochuli for me. He'd be amazed by the improved German I now command. I'm learning Turkish in my spare moments now.

Yes, I know that I owe PH some sporopollenin, and I feel guilty about it. Trouble is that I also owe Leo Hickey, John Bridge, Bruce Tiffney, Paul Strother, Rob Fensome, to name some but not all of my creditors. I keep plugging away but am beginning to feel like the Red Queen.

Betty passed her comps with flying colors. She already has a publisher for her dissertation, though she hasn't written it yet! In the German dept. the comps last a month--ten days for the written (every other day), then a pause while they correct THAT, then the orals. Stupid.

All the best.

Alfred Traverse

Dear Alfred,

Thanks for your letter on "Sedimentation of Organic Particles."

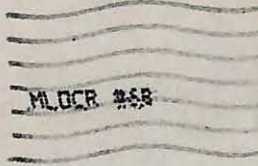
Things are particularly busy here especially since Lew Stover's death means we have to finish several projects without his assistance. In fact, we've imported Peter Hochuli from Bordeaux for 2 months to finish one urgent project. By the way, I hear Pat Hatcher is waiting for more

CLARENCE ARTHUR (DAZZY) VANCE. Pitcher, active 1915-1935. Hall of Fame, 1955. First to lead National League in strikeouts seven consecutive years, 1922-1928.

Whisch bodies.

Martin Farlow

19 May 93



Alfred Traverse
435 Deike
Univ Pk, Pa. 16802

From Great Baseball Players of the Past. Thirty-Two Picture Postcards. Edited by Bert Randolph Sugar. ©1978 by Dover Publications, Inc.

TO AT

DATE 17. VII. 93 TIME 10:15

WHILE YOU WERE OUT

M. Martin Farley

Of _____

Phone _____

TELEPHONED *(not really nec.)* PLEASE RETURN CALL
CALLED TO SEE YOU WILL CALL AGAIN
RETURNED YOUR CALL RUSH

MESSAGE Lew Stover died
Sat. - never recovered
from operation few
weeks ago to remove
lung that had huge
(growing) benign tumor.

Signed 13

The Standard Register Company

EXON PRODUCTION RESEARCH COMPANY

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23 June 1992

Alfred Traverse
c/o Dr. F. Schaarschmidt
Paläobot. Abt.
Senckenberg Forschungsinstitut-Naturmuseum
Senckenberganlage 25
6000 Frankfurt a.M. 1
Germany

Dear Alfred:

I enclose a clipping to show that even deep in the heart of Texas major news about Penn State makes the papers. I assume that all faculty will be issued smocks to wear while lecturing or meeting the public with the Pepsi logo prominently emblazoned on it.

Commercial sponsorship at colleges has not gone far enough. For example, the field itself at Beaver Stadium is devoid of advertising. Just think how much money could be made by selling areal "billboards" on the active playing surface.

Think how excited students would be to get a final exam with the notation "brought to you by ..." on every page. The possibilities seem endless. Maybe Benno Schmidt is just getting in on the ground floor after all.

Not much news to report otherwise.

Sincerely yours,

Martin

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19 May 1992

Alfred Traverse
c/o Dr. F. Schaarschmidt
Paläobot. Abt.
Senckenberg Forschungsinstitut-Naturmuseum
Senckenberganlage 25
6000 Frankfurt a.M. 1
Germany

Dear Alfred:

I hope Pete McLaughlin's response to your fax was satisfactory. I don't have anything more specific than Ravn's phone number at hand.

I got back from the field late last week earlier than expected because a week ago today I managed to break my leg. I was traversing a slope when a rock ledge I was standing broke off, I fell about 2 feet (into a sandy pit), and a rock dislodged by the broken one fell on the outside of my right leg. The bad news is a "green twig" fracture of the right fibula. The good news is that if you have to break a bone in your leg, the fibula seems to be the best choice. While I am on crutches at the moment, because the fibula is not the load-bearing bone, there is no cast, and as soon as the pain subsides I can resume light walking and even driving. Still I don't recommend this to anyone else.

I enclose a copy of Cronquist's obit from the NY Times for your use. While the NCU proposition has its advantages, I'm not sure what is to be gained from rushing into it.

I'll mail a copy of Elsik's manual to Univ. Pk. with instructions to hold as soon as my mobility has improved.

I hope the strikes have been resolved and your life can get back to euronormal.

Sincerely yours,

Martin

Farley

FORSCHUNGSINSTITUT UND NATURMUSEUM SENCKENBERG
PALAEBOTANISCHE SEKTION
SENCKENBERGANLAGE 25
6000 FRANKFURT A.M. 1, DEUTSCHLAND (Germany)
fax: 069-794-004-37; phone: 069-794-004-50

faxed to: 001-713-965-7279

5 May, 1992

Dr. Martin B. Farley
Exxon Production Research Co.
Houston, 77252 USA

Dear Martin:

Could you fax me a fax number for Robert L. Ravn, BP,
Anchorage? We've got a mail (and garbage, rail, etc.!)
strike, and his stationery includes no fax #. Thanks.

Yours as ever,



Alfred Traverse

EXON PRODUCTION RESEARCH COMPANY

POST OFFICE BOX 2189 • HOUSTON, TEXAS 77252-2189

(713) 965-4033
(713) 965-7279 fax

7 April 1992

Neenah Opaque
25% COTTON FIBER 2/3

Alfred Traverse
c/o Dr. F. Schaarschmidt
Paläobot. Abt.
Senckenberg Forschungsinstitut-Naturmuseum
Senckenberganlage 25
6000 Frankfurt a.M. 1
Germany

Dear Alfred:

Thanks for your letter. I'm sure you're glad to be finished with the book. Did you take the train in the end, or find some economical shipping method? I am still curious about how you used my annotated bibliography in the end.

In various sports news: Lake Superior State won the NCAA ice hockey championship over one of the other Michigan teams (no eastern team reached even the semifinals this year). The Lady Lions got a first round bye in the NCAA's, won their first game, and then lost to Mississippi in the regional semifinals in Boulder, Colorado. The men didn't make the NCAA's, and from what I could tell didn't deserve to (recall that last year they only made it because they won the Atlantic 10 tournament). Their glittery won-lost record this year wasn't as glittery as that of some other teams that didn't make the NCAA, and when they played good teams they lost. Proof that they didn't belong in the NCAA came with their loss in the first round of the NIT to Pitt (Big East also-also ran) at Rec Hall.

I wonder if you might be interested in a set of the course materials for Elsik's short course on fungal palynomorphs. I have a limited number of leftovers available for US\$90. The course materials collected in a 3-ring binder include:

Manual (190 pages including description of fungal palynomorph genera, their stratigraphic and paleoenvironmental occurrence, and a taxonomic key)
Bibliography of fungal palynomorphs (97 pages): paper copy and 3½" diskette in Word for Windows or WordPerfect 5.1 formats

100 35mm slides illustrating 100 of the genera

Although comprehensive in coverage, I should warn you that Bill has used dozens (approx.) of unpublished names, so that use of his nomenclature is not possible for publication. Bill is supposed to be using this manual as a springboard for a book-length manuscript that would validly publish the names, but when he'll be finished with it is anyone's guess. There is also some discussion of repeating Bill's course at either the Baton Rouge ('93) or College Station ('94) AASP annual meetings.

I heard from Dale who seems to be settling in in New Orleans, although he is concerned about employment cuts at Chevron (certain) and their size (only rumored).

I assume that you have heard Arthur Cronquist died, in the herbarium at BYU. In other bad news, I just heard yesterday, from Tony Prave, that Dan Habib had a heart attack about a week ago. As of yesterday, he was still in the hospital but apparently stable.

Hope that you are working on German paleobotany now that the book is done. Give my best to Betty.

Sincerely yours,

Martin

Frankfurt a. M.

26 Feb. 92

Dear Martin,

Yours of 15 Feb. came yesterday - the package. # We have made your abstract corrections. # You are wrong about my non-use of ^{AGI} Bit-And. I was, as they say, using it and its "Vorgänger" "before you were born." However, you are quite right that I never checked out the abbreviation list, or anything else in the intro. - I just use it and really believe in it. Yesterday I took the doctoral student here over to the main library to indoctrinate her. # I believe I am going to write that Trautwein can get along with no further references. The project is now 79.5% done - only a few diagrams are still being worked on by a draftsman here. # Thanks for various news. Your clipping from H.C. explained an enclosed item from PSU president that we found baffling. # Germany is no "3rd world country" - if it is, USA is 4th world. The ^{L.D.}no-telephone business stems from foreign-abuse of the system. One guy left

30 000 000 telephone numbers

Back to Git - Sunday for a minute -

The library here keeps the newly
deals as they come and has them bound
so that for each year there are the bound
volumes from AOT and these crazy extra
volumes. I tried to convince several librarians
that they were wasting space & dollars -
no luck. "Ordnung ueber sein!"

Thanks very much for your help. I
can't imagine that there will be more
appeals. I am now trying to figure out how
to get the MSS to England - might
hand carry them. UPS wants 400 dollars -
close to a ticket by rail.

All the best,

Aspen

EXXON PRODUCTION RESEARCH COMPANY

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(713) 965-7279 fax

15 February 1992

Alfred Traverse
c/o Dr. F. Schaarschmidt
Paläobot. Abt.
Senckenberg Forschungsinstitut-Naturmuseum
Senckenberganlage 25
6000 Frankfurt a.M. 1
Germany

Dear Alfred:

Sent a fax today with my abstract for my paper on the book. Two alterations that might be made (in post-fax hindsight): see enclosed copy.

Your abbreviation of the Univ. of Texas publication is a little hard to follow. Although you may have been using Georef, you clearly haven't used the Bibliography and Index often enough to know that all abbreviations are spelled out in the first bibliography volume of each annual set. Therefore "Tex., Univ., Cent. Res. Water Resour., Tech. Rep., No. 163" is really "Texas, University, Center for Research in Water Resources, Technical Report. Austin." Finding out its abbreviation is, however, be easier than getting a copy. I am currently holding off pending your evaluation of your needs.

Somewhat sorry about the delay, but this is a busy period for me (and partly indirectly of your making): abstract deadline is soon for the IPC and as a co-convenor there are things to be done, I have other abstract(s) to write for the IPC, and I am handling the logistics for the Elsik fungal palynomorphs short course preparation for which is in the home stretch.

You may have heard that Dick Hedlund retired from Amoco rather than move from Tulsa to Houston.

Paul Olson was in town this week consulting with Exxon's Chad group about the Cretaceous rifts and their lakes that make up the basins being explored. He gave a

couple of talks about his recent Newark Basin cores. His case for Milankovitch cycles is now among the best I've seen, although I am not completely won over yet. Even Paul has let some of it go to his head: the interactions of planets can produce (at least theoretically) cycles of almost any period, so people should beware of assigning any "cycle" they find to a celestial cause. I gather that Bruce is OK although he would very much like to find a permanent job.

As to your remark about inability to make long distance calls from office or home: that's what you should expect for going to a Third World country.

As to your remark about "your son, the doctor's" collection of telecommunications devices: I'll only be impressed when he gets a fax machine for his car.

I enclose a clipping from the Chronicle showing that even the Collegian can get into the news in Texas.

Say hello to Betty for me.

Sincerely yours,

Martin Farley

Page 1 of 2

EXXON PRODUCTION RESEARCH COMPANY
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HOUSTON, TEXAS 77252-2189

Date: 2/15/92

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NAME Alfred Traverse c/o F. Schaarschmidt Phone: 714 004-50
COMPANY Senckenberg Mus. (Palaeobot. Abt.) FAX NO. 69 746238
CITY Frankfurt a.M. STATE Germany

FROM

ORIGINATOR Martin Farley
TYPED BY

PHONE 713 965 4033
MAIL DROP

FAX NUMBER 713/965-7279
IN THE EVENT OF INCOMPLETE OR ILLEGIBLE TRANSMISSION.
PLEASE CALL 713/965-4719

MESSAGE:

Abstract follows here
Galveston Bay book photocopy + Matty et al
follow by airmail Monday

Analysis of samples from seven depositional environments in the Paleogene of the Bighorn Basin, Wyoming (U.S.A.) reveals the value and limitations of palynomorph concentration (i.e., number of grains per gram dry sediment). Total concentration varies among environments in a statistically significant way with ponds and swamps (average about 15,000 grains per gram) being richer than levee/crevasse splay and reduced floodplain environments (averaging about 1100 grains per gram). Residuals from the environment means, when arranged by locality, reveal that locality is a strong control on palynomorph concentration. This suggests the importance of local physical conditions (edaphic effects) in palynomorph accumulation and preservation. Total concentration provides valuable insight, therefore, on local changes on the depositional landscape not obvious from sedimentologic analysis.

Canonical variates analysis of taxon concentration separates the depositional environments successfully. This separation is primarily based on taxon abundance rather than presence/absence. Taxon concentrations are relatively imprecise, so the separation of depositional environments is not as successful as using taxon counts. Taxon concentration is, therefore, appropriate for more specialized uses than counts or total concentration.

Beethovenstr. 36, Nr. 25

6000 Frankfurt a.M. 1

Deutschland (Germany)

6. Feb. 1992

Jean Martin

Yours of 23 January just in - mail is
hopelessly slow. Fax messages are far
too much trouble unless need is urgent (I
have to go to the main museum building,

Vauxhallstraße and find Frau

Bassman - 1/2 mile walk, long wait.

It's only costs 2 Jcl. But do not to get
the other way - the only one for (me?)

By now you have the fax number. Not that it
matters, but our phone in the "apartment" (=

bedroom) is 069-798-8535. We are

here 6 p.m. - 8 a.m. almost always. We share
the phone with the same Indian family as with the kitchen.

At the office: 069-794 004-50 (private
line). Fax 069-746.238. We can't

use either phone for calls outside of Frankfurt.

I don't mean that we have to get permission to
give a card no. - I mean that it's impossible.

To make a long-distance call we have to go
to a post-office.

You don't understand the W.P. 5.1 problem -
my fault, probably. We couldn't get

it installed with our new printer - we used

only got 5.0 software here - ^{didn't work} ^{except haltingly}
v. 5.1 installed on our hard disk. Roy
Greenfield finally came through with a
copy of our installation software from
home - and we're in business*. The local W.P.
man is hopeless. For example, he put on
a demo for our lab, or tried to, but he
hadn't bothered to check out whether his
stuff would work in the auditorium assigned
- and it didn't - at all - complete flop!

Thanks for the various literature pieces - because
of the time frame, I'm going to go with it - plus
whatever I can find in the (much better) geological
library report work in Zürich (I'm giving
a lecture at ETH and visiting this week.)
I have finished my chapter, except for figures being
drafted by a draftsperson here "in Haus."
I'm writing the introduction, leaning heavily
on your advice (two different letters) from
you - you may have forgotten that?
02-400 444 - 400
355 344 - 400

So, thanks a lot - I'm now waiting for your
abstract (very!).

All the best,

Reford

* contacts were only one problem - Betty is studying
Mittelhochdeutsch here, and I have a half-dozen
volumes ^{for example} (a little bit, not the
French one) etc. v. 11.5.1 usually has in vol.

Abs. Alfred Traverse
(Paläobot. Abteilung)

J. MARTIN B. FARLEY
EXXON BASIN EVOLUTION
P.O. Box 2189
HOUSTON, TX 77252-2189
FAX NO. 713-965-7279
(Phone 713-965-4719)

At the eleventh hour I have decided that abstracts are needed for the chapters. Most chapters have them (though not requested!). Your biblio doesn't need one, but the concentration chapter does. I don't feel comfortable with writing it for you - though I did it for others! So - could you please produce an abstract and fax it back? It should be no longer than one page double-spaced; perhaps a little shorter is possible?

Best, Alfred

Traverse/f/o Dr. Paarschmidt *Vinkwaldstraße*

Page 1 of 1

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HOUSTON, TEXAS 77252-2189

Date: 1/27/92

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TO **NAME *Alfred Traverse (Falaöbot)*
COMPANY *Forschungsinstitut Senckenberg* FAX NO.
CITY *Frankfurt a. M.* STATE *Deutschland*

FROM

ORIGINATOR *Martin B. Farley* PHONE *713 965 4033*
TYPED BY MAIL DROPFAX NUMBER 713/965-7279
IN THE EVENT OF INCOMPLETE OR ILLEGIBLE TRANSMISSION.
PLEASE CALL 713/965-4719

MESSAGE:

Second (handwritten) letter received today. I had already sent a letter based on 20 min work last Friday. My fax number is above.

Martin

EXON PRODUCTION RESEARCH COMPANY

POST OFFICE BOX 2189 • HOUSTON, TEXAS 77252-2189

(713) 965-4033
(713) 965-7279 fax

23 January 1992

Alfred Traverse
c/o Dr. F. Schaarschmidt
Paläobot. Abt.
Senckenberg Forschungsinstitut-Naturmuseum
Senckenberganlage 25
6000 Frankfurt a.M. 1
Germany

Dear Alfred:

Received your letter today, but cannot fax back as you omitted a fax number or a even a telephone number for that matter. I include some references I got out of guidebook Bernard and LeBlanc published in 1970 (still in print by Bureau of Economic Geology), and some related material in the guidebook. I also looked in the Biblio and Index of Geology through 1978, but assumed that pre-1970 stuff was covered in the guidebook (and its reprinted papers). There doesn't seem to be much primary data out there. There is one publication from the Houston Geological Society (early 70's) with a paper of LeBlanc's, that I thought I had, but don't (and at the moment I don't have time to go back to the library for the reference). LeBlanc is still around here in Houston and I enclose a copy of his card from the Houston Geological Society Bulletin if you want to get in touch with him.

I'm surprised that you're having trouble making umlauts if the trouble is WordPerfect itself. (ä,ë,ï,ö,ü from the extended ASCII character set: Alt+xxx [3-digit number on the numerical keypad: 132,137,139,148,129 respectively]; I enclose a photocopy of my handy list of such special characters from my bibliographic database program). A WordPerfect-printer problem is another matter.

Hope that Betty and you are settling in well.

Sincerely yours,

Martin

Beethovenstr. 36, Nr. 25—
6000 Frankfurt a. M. 1
Deutschland

Jan 20. Jan. 92

Dear Martin

On the third day.... I'm beginning to get the
act organized. I still don't have your
fax number, but I've sent you mine.
("my son, the doctor," can you believe, has a personal
fax machine at home, but of course, he has
a phone in his car too....)

Now, here's the final story:

1. They don't have the USGS bit for
North America, so the story is that they have
only the A&E bit., which begins about 1968, as
I recall. So I still need you to try to
check for me in some bit. or whatever, if the
Barnard - LeBlond paper ever actually published
any of their Galveston - Trinity Bay (etc.) stuff.
If so, unless it's in a common U.S. or world
journal, I'll need a xerox (for which I'll pay,
of course). I have up. to only abstracts.

2. Could you get me a xerox of
McCowan, M.C. 1969. Sedimentary facies of the
modern Trinity delta, in: Holocene Geology
& the Galveston Bay Area; Houston Geological
Survey, pp. 53-77. (So it possible that

I really should love this whole thing - I'd be happy
to pay for a copy thereof! (No more than 10¢
still in print, is that?)

2. In the same place; Reikemper, L.G. 1969.
Sedimentation of Holocene estuarine deposits,
Galveston Bay: loc. cit., 12-52.

(Which makes it such a symbol of
the whole thing, that I'd very please try to
arrange a copy of the whole thing - I am
happy to pay - unless, as I say, one can buy a copy
still.

3. I also need a copy of: Beard, L.R.
1979. Sediment aspects of headwater
and reservoirs, Trinity River, Texas: Tex.
Univ. Cont. Res. Water Resour., Tech.
Rep. 163, 29 pp.

Sorry about
algebra -
that's what
I'm giving

the Dicto for: Matty, J.H. & B.
and Anderson & R.B. Jubber 1977.
Suspended sediment transport, sedimentation,
and resuspension in Lake Houston, Texas,
implications for water quality: Environmental
Geology and Water Sciences 10(3): 175 -
186.

As you doubtless understand, I desperately need these
for completing my chapter for the book - the more
or less final toward a the thing. It is, of course,
unfortunate that I didn't complete me - Frankfurt.
On the other hand, I have a wonderful opportunity
to work like mad here!

I know this is a fair in the books for you - maybe
I can do a huge return for some day! ?
Best, Alfred

FORSCHUNGSINSTITUT UND NATURMUSEUM FRANKFURT
PALAEBOTANISCHE SEKTION
SENCKENBERGANLAGE 25
6000 FRANKFURT A.M. 1, DEUTSCHLAND (Germany)

17 January, 1992

Dr. Martin B. Farley
Exxon Production Research Co.
P.O. Box 2189
Houston, TX 77252

Dear Martin:

Hope all goes well with you.

I have a big favor to request: Geo-Ref doesn't exist here. (You probably can't credit it, but I got very adept with it in EMS library.) They have AGI Bib & Index, but it doesn't go back far enough. I very badly need to know if Hugh Bernard, Rufus LeBlanc et al. of Shell Development Co. (They were respectively my boss and co-worker.) ever published anything on their Trinity River-Trinity Bay-Galveston Bay-Buffalo Bayou, etc., recent sediment work, and if so, what. Could you from some biblio source, or whatever, find out and send me references? Airmail letters seem to be taking 5-7 days, which is o. k. No need to fax back. Address: c/o Dr. F. Schaarschmidt, Paläobot. Abt., Senckenberg Forschungsinstitut-Naturmuseum, Senckenberganlage 25, 6000 Frankfurt a. M. 1. (As you can see, we brought my 386 laptop and have bought a printer. It still hasn't learned how to make umlauts, but the local WP guy is working on the problem. We'll have to use the computers in the Mus. for Tilia, which we use for pollen diagrams, as the laptop isn't math-ready, or whatever the term is.) All the best.

Yours very truly,

Alfred Traverse

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

18 December, 1991

Dr. Martin B. Farley
Exxon Production Research Co.
P.O. Box 2189
Houston, TX 77252

Dear Martin:

Many thanks for stamps (neat!) and clipping. The latter will interest Betty more than me. The Anglican Communion has always had centrifugal tendencies (has already spawned Methodism, Presbyterianism, Congregationalism, the Reformed Episcopal Church, etc., etc.). The current splintering is almost comical. Some of the many splinters have more bishops than parishes.

Chaloner has invited me to take part in the sporopollenin (etc.) symposium he's organizing for the IPC--I really feel bad about the situation, but I just can't go. Regarding your advice on meetings, I agree, but I'm sure you realize that for some years, until 1991, my family obligations were absorbing all of my spare time. Meetings were one time-consuming luxury that could be avoided.

It is very nice to know that you care, old friend!

All the best, especially for a great 1992.

Yours very truly,

Alfred Traverse

AT/et

10 Dec. 1991



Dear Alfred:

Thanks for your letter about the "Palynofacies" symposium. I can see why you might not be so eager to attend. I do think, however, that you should get out more to geologic meetings in the U.S.: palynology needs all the publicity it can get.

I enclose a clipping that may be of interest and as I remember that you collect botanical stamps, here are some that came into my possession.

Have a Merry Christmas + Happy New Year.

Martin

Fowler

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

4 December, 1991

Dr. Martin B. Farley
Exxon Production Research Co.
P.O. Box 2189
Houston, TX 77252

Dear Martin:

Back from India with the medal and "Delhi-belly" (Actually, I'm almost over it).

Yours of 25-XI just in. What a flattering invite! However, I had long ago made the difficult (disappointing) but correct decision that the 8-IPC is impossible for me--will be just back from Europe (about mid-July), and the meeting conflicts with too much of too vital a part of Fall Semester and the palynology course here. Sorry--it surely is a temptation!

As to other contributors, you know the people as well or better than I. You've thought of Caratini, Streel, Kerp, van Bergen, etc., I suppose--all connected with the book project. How about Carmen's friend, Maria Lorente, in Venezuela, who did a big palynofacies study down there? Svein Manum would love to be invited--he really is mad at me for "leaving him out" of the book. I mewt him on a plane in India.

Basketball: men are 3-0, women 3-1 (lost to Purdue by 2 pts.). We went to the women's opener here Monday night--bench very deep and effective. Should be a good season (and we'll miss most of it!).

Yours very truly,

Alfred Traverse

AT/et

EXON PRODUCTION RESEARCH COMPANY

POST OFFICE BOX 2189 • HOUSTON, TEXAS 77252-2189

(713) 965-4033

(713) 965-7279 fax

25 November 1991

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

Dear Alfred:

I assume you are now in the hectic period between the return from the festivities in India and your departure for Germany in December, so in this letter I just include the form letter for the IPC symposium that I am sending out.

Dave Batten, Gail Chmura, and I are convenors of a symposium for the 8th IPC in Aix-en-Provence on the subject "Palynofacies, modern analogs and ancient examples." We intend to highlight the differing views of what a palynofacies is and to present as complete a set of examples as possible.

As proponent of a somewhat different view of palynofacies than that taken by, say, Habib or Batten, I think it only appropriate that you should consider giving a talk in the session. The fact that you have a relevant modern dataset is an additional advantage because there are so relatively few of those extant.

I would be most interested to hear your comments or suggestions for other contributions. Late Note: I see that you are now a Chapman & Hall author as they have acquired the Unwin Hyman Academic list.

Sincerely yours,



Martin B. Farley

EXON PRODUCTION RESEARCH COMPANY

POST OFFICE BOX 2189 • HOUSTON, TEXAS 77252-2189

(713) 965-4033

(713) 965-7279 fax

25 July 1991

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

Dear Alfred:

Here is the floppy with the additional listings for my annotated bibliography (in WordPerfect 5.1). As you will be able to tell, there are only a couple of additions that don't derive from the Brisbane proceedings volume. Inclusion of Brisbane entries by authors in your volume is up to you. I don't know what your current plan for the bibliography or for linking the papers and sections together is, but the most useful thing you could do is to write introductions to the units that link the contributions together and place them in the broader context (i.e., fill in the holes that you would have to fill if you were writing a textbook on the subject). This is a lot of work but would help to produce a coherent single manuscript.

In oil industry news: Amoco is shutting down its palynology research operation in Tulsa; F.X. Miller is retiring, Merrell Miller is being transferred to Houston, and Dick Hedlund's disposition (retirement or transfer) is unknown at this time. John Wrenn, transferred here from Tulsa last year, is not now working in palynology. On the other hand, Amoco has hired David Pocknall. Shell is going to cut its staff by 15%, and Peter Griggs is apparently worried that his job is not secure.

Week after next, I am going to the AIBS meeting in San Antonio, so I will have a chance to see the paleobotanical community including that inveterate meeting attendee, Aureal Cross, who has, according to my sources, at least 3 major research projects underway.

I see that Litwin, Traverse, and Ash is out at last, so you must be happy that this work is finally out.

Dale called me to talk about statistics in his dissertation analysis, and I hope he found my advice helpful. I suggested that he might want to use Warren Kovach's program (I sent him my copy of the old version, and Kovach's brochure for the new version). I'd be happy to discuss this with him more down the line.

Say hello to Betty and the PSU gang for me.

Sincerely yours,



Martin B. Farley

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

13 May, 1991

Dr. Martin B. Farley
Exxon Production Research Co.
P.O. Box 2189
Houston, TX 77252

Dear Martin:

Good to hear your voice the other day. Your name still frequently surfaces around here.

Enclosed is the Hart et al. chapter, to replace "Classification of particulate organic matter...south Louisiana deltaic systems." Please assess carefully, in comparison with that MS, which you previously reviewed for me. Does the new MS embody the essentials of Hart's classification? What do you think of the paper in general? Please review as if a "new" MS for boo-boos. A marked-up MS to send George, for approval of minor changes and provision of major corrections would be appreciated.

When (if?) the Nichols chapters come back in revised form, I want you to look at them too.

All the best, and many thanks.

Yours very truly,

Alfred Traverse

AT/et
encl: MS from Hart

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

4 February, 1991

Dr. Martin B. Farley
Exxon Production Research Co.
P.O. Box 2189
Houston, TX 77252

Dear Martin:

The big package from you with letter dated 24 January came on 1 Feb. My first reaction was, "That couldn't possibly be the DJN papers already." It wasn't. In fact, as of 24 January, those hand't even arrived at your office.

Thanks for the Pal.x3 reprint, the nice acknowledgment in it, and the further eucomium in your letter. Nice piece of work, that's for sure!

Interesting to know about the Andrews list update. You're right that it's just the sort of thing Smithsonian should support.

Congratulations on your promotion and raise. Wow!

Thanks for the batch of reprints of our article, and the totally unexpected but very welcome batch of xerox copies thereof. I haven't had a major reprint mailout in several years--it always is lower priority than something. But when I do, your list will be a life-saver! I do respond to reprint requests and there have been many more than normal for papers in Rev. Pal. Pal. 64-65--it all seemed flattering until I discovered that the volume costs \$337.25. That's about twice its weight in silver.

Sorry about your computer-robbery. Such theft does occur around here. I am contemplating getting a lap-top for me because one reason I don't use at least a word-processor is that my working style precludes sitting in the same place all the time.

Thanks for the slide. It's been returned to where it belonged.

Thanks also for the various clippings, all of interest. It would have been helpful on the odd chance I wanted to quote them to have the dates for the Chronicle articles. They and the New Scientist article on pollinosis were very useful. The responses

in Nature to the "abolish herbaria" bit were gratifying. I must look up the Czech late Ordovician paper--may be difficult to run down.

So--on with the day's activities.

Best regards, old friend.

Yours very truly,

Alfred Traverse

AT/et

THE PENNSYLVANIA STATE UNIVERSITY
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phone: 814-863-3419; fax: 814-865-3191

24 January, 1991

Dr. Martin B. Farley
Exxon Production Research Co.
P.O. Box 2189
Houston, TX 77252

Dear Martin:

Enclosed is a xerox copy of Doug Nichols' letter to me re the two MSS, and copies of the MSS.

I hope you will give both manuscripts a very careful review, plus ~~g~~giving me a judgment as to whether they belong in our volume.

Did you know that the Lady Lion basketball team was (briefly) No. 1 in the country and is now No. 2? They are 14-1. They knocked of Virginia, then No. 1, by one point on a Caplinger 3-pointer at the buzzer. I owe my interest to your taking me to one of their games--then PSU had a diminutive player who was one of the best athletes I've ever seen.

All the best.

Yours very truly,

Alfred Traverse

AT/et
encl: letter xerox; MSS copies

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(713) 965-4033

24 January 1991

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

Dear Alfred:

It was nice to talk to you earlier this week, and I await the arrival of the Nichols' papers.

I enclose a reprint of the P³ paper. I sent you a reprint of the Palaios paper earlier (see below about our RPP paper). Once again, many thanks for all your assistance that made these possible.

I noticed in Paleopalynology that you mention Andrew's Index of generic names of fossil plants is now a little out of date (which it is). You will be interested to know that Art Watt (Serge Mamay's retired technician) has nearly finished an update. Since neither Watt or Mamay has any official connection with the USGS (and the USGS is no longer interested in things paleobotanical), Serge and Bill DiMichele were attempting to arrange to have the Smithsonian publish Art's update. There was a hangup when I was there because some members of the publishing committee don't see this kind of thing as important. In my view, however, the Smithsonian is just the sort of place that should handle this, and if they don't, who will? In any case, I think that this obstacle will be overcome in the long run.

As of 1 January, I have been promoted to Senior Research Geologist with a substantial raise. Much of the raise is an award for 'high merit.' I think this is because I didn't ruin the division safety record, burn any buildings down, or break any expensive pieces of equipment this year.

My supervisor ordered 4 new PC's from Compaq in December in an effort to use up his capital expense budget for 1990 (one for him, one for our new supervisor, one for another palynologist, and one for me). We were notified that the computers had arrived in Receiving but then there was a long delay during which we received and heard nothing. Then we heard that one whole computer, the supervisor's cpu chassis, and my monitor were lost and presumed stolen. This apparently happened between their delivery on the afternoon of the 20th and the morning of the 21st. Makes you wonder a little about security around here. Of course one problem we have is that the fiscal and calendar years coincide, so that the end-of-fiscal-year budget spending matches the period when the most people throughout the company are on vacation. In the government (Penn State = quasi-government) you don't at least have this problem.

Say hello to Betty and the rest of the PSU gang.

Sincerely yours,

Martin

Martin B. Farley

The slide holder contains a slide you found on a microscope stage + sent to me in Washington, but I've determined it should be part of the MBF dissertation collection at Penn State.

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30 December, 1990

Dr. Martin B. Farley
Exxon Production Research Co.
P.O. Box 2189
Houston, TX 77252

Dear Martin:

Ye gods, I'm just getting to yours of 6 December! Must have come at end of the semester. We finished our exams, etc., from our two different perspectives and took off for the Midwest on the afternoon of 13 Dec.--Betty's mother (depressing) in Indianapolis, conference with my sister in St. Louis area re Mother's estate, visit to son John and family in Memphis, then home to provide Christmas for the local contingent. Now just back from a brief business trip to Ohio. [I wrote this just before PSU-FSU football game and was looking forward to it--misplaced optimism!]

No, I still haven't seen our paper. In fact, Betty and I were just discussing it in connection with a necessary update of my CV. I would like the 25 copies. It would be nice to have the photocopies you generously offered. Your suggestion of coordination of mailout is a good one. I'll try to remember to write it down as it occurs and perhaps you could do the same. I don't see me having time for a general mailout for a while. I am just responding to requests until I get a little more spare time.

You (as always) raise very interesting and important questions! Re Lake Livingston--are you sure that flood control and water supply were not part of the original proposal? I'd like to get to the bottom of that. As to citability of Shell reports--could I note in the future: "free copies available on request"? Perhaps with an asterisk?

Ray Christopher is o.k. for the chair. Will be a good teacher, etc. But the whole thing smacks of being a "done deal" from word go.

Thanks for the introductory pages for the A.B. I am hoping to get that project nailed down soon.

Info re Exxon interesting. When I was with Shell such stuff made me very nervous and contributed to my leaving.

Geosciences curriculum changes are like the poor--always with us. The main problem is that it's much too long a program for 4 years. The present change is a small step in the right direction, but I doubt that it will effect 423. We had 12 this year, by the way--mostly biology

We join in wishing you all the best for 1991! Come and see us if you can.

Yours very truly,

Alfred Traverse

AT/et

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6 December 1990

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

Dear Alfred:

I have seen the first volume of IPC proceedings in RPP which contains our joint paper, and I assume you have too. I have also received the reprints. I will be glad to send you half (25), but I intend to make photocopies for additional distribution purposes. If you like I could have some photocopies made for you too. We should also coordinate on our regular mailing lists so that we can avoid unnecessary duplication in sending out the reprints.

I have a couple of comments on your Trinity River paper. As a trivial matter of historical record, the Corp of Engineers built Lake Livingston for recreation and only subsequently did it occur to someone that it might be useful as a water supply. The second note is more serious: I wonder about the citability of your Shell reports. Are they available for public inspection? If so, where? This parallels my mention of Hart citing his Hartax consulting reports in his paper. It would be my view that unless it is public information (at least in theory), then you shouldn't cite it. Otherwise, it is not much different from the claim-staking of the wicked witch of the west.

Word here has it that Ray Christopher is a shoo-in for the Chair of Excellence at LSU. Apparently, the day after AASP decided on the school, Christopher flew to Baton Rouge to confer with Joe Hazel et alia.

I enclose a revised version of the first two pages (Title plus acknowledgments) for the annotated bibliography. The change in address was imposed by the lawyer here at EPR who reviewed the ms. I don't know that this will have any actual impact, because Cambridge appears to list addresses

at the beginning of the book, and only lists the current one.

I see from the current (to me) issue of Science that Michigan is hiring a paleobotanist. People will be coming out of the woodwork for this. In the ad, Charlie Beck is not listed as one of the current faculty members, so I assume he must be retiring.

We are reorganizing here at EPR (connected to the new overall research plans). Effective 1 December, I am no longer in the Biostratigraphy Group in the Basin Frameworks Section in the Exploration Concepts Division. Now I am in the Global Tectono-Stratigraphic Framework Group in the Basin Evolution Section in the Integrated Basin Analysis Division. I am just glad they don't put group names on business cards. As far as we can tell (details are still fuzzy), there will be no changes in the makeup of my group, and effectively none in the section except our getting a new supervisor. In this respect, industry is more fun than academe where some administrative units don't change title or makeup for decades.

I see from the EMS Bulletin that the Geosciences undergraduate curriculum has been revised again. Is this window-dressing or has improvement accidentally slipped in? I see that at least formally the number of specified courses in geology has declined. Does this bode well for enrollments in 423?

Sincerely yours,

Martin

Martin B. Farley

Say hello to Betty.

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12 November, 1990

Dr. Martin B. Farley
Exxon Production Research Co.
P.O. Box 2189
Houston, TX 77252

Dear Martin:

Your letter of 26 October, the Jackson review, the two MS, the annotated biblio and the floppy, all arrived in apple pie order a few days ago. Many thanks. Jackson will, I am sure, appreciate your careful work. I'll get that off to him later today. More before too long on your two contributions re the book project. You'll be glad to hear that one of the local gurus was finally able to retrieve your MSS in WP 5.0, so all is well! (As far as the book project as a whole is concerned, I have days of being very discouraged about it--10x more difficult than producing one's own book!).

I have noted your flattering encouragement to me re the west coast meetings in late '91, and will consider it. Maybe I really will be "caught up" by then. Only Betty knows how much my Mother's affairs have put me in arrears since November, 1987. I had resolved to avoid meetings until I really have time. Since Mother died on 11 October, I have already been able to see a lightening of the load, despite the fact that I lost the whole month of October and also that there is a lot of legal and other stuff still to be attended to.

We have enjoyed your postcards very much. All the best.

Yours very truly,

Alfred Traverse

AT/et

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26 October 1990

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

Dear Alfred:

I enclose the paper by Jackson with appended comments, a current version of the annotated bibliography, and a floppy that contains WordPerfect files of both the annotated bibliography and the manuscript of my concentration paper. The concentration paper was translated from Volkswriter, and I have made only the most obvious corrections to the translation so further corrections may be necessary to format the text (the headings, for example).

Jackson's paper is really in excellent shape, and the vast majority of my comments are minor, and I don't think that the major comments affect his conclusions or need affect the paper as a whole much. I think it would be useful to add a few comments making clear that some parts of the paper (i.e.,) refer primarily to lakes of interest to Quaternary workers and are less true of most lake sediments in the pre-Quaternary. Where applicable, it would be useful too to have Jackson refer to other papers in the volume that touch on the same topic (I note where this could be done). This will help unify the papers and make the entire volume more coherent. One last thing is that Jackson apparently is reproducing a large number of figures; I assume he can finesse any copyright questions concerning figures of his own, but Figures 2,4,6, and 9 are "reproduced" from other authors' work, so copyright releases may be in order. Figure 8 is modified from Prentice, so I assume that is all right. Just thought I should point this out to a busy editor. As usual, you can reveal that the review is my handiwork to Jackson.

Things are going well here: on Monday I go into another course, Basic Clastic Facies. (This one I was scheduled for all along; for the previous one I was added as a replacement for an affiliate attendee who canceled.) The new research plans have been announced and ranked; there is to be a project on nonmarine source rocks, and I have put in my bid to be attached to it. The operating affiliates pulled this project from a lower ranking to a higher one.

I would like to make a pitch to you to submit an abstract for the 1991 GSA in San Diego. As you know, AASP will meet the previous week there, so you can get two meetings for the price of one and a half. Further, GSA has a tentative theme session scheduled on "Devonian nonmarine to marine correlation" which you have much to contribute to. I feel strongly that palynologists need to infiltrate geological (and biological) meetings to get their message out, else the profession runs the risk of going extinct because it is viewed as irrelevant by the geological community at large.

Sincerely yours,

Martin

Martin B. Farley

The paper by Jackson is in excellent shape; my comments do not suggest major changes are necessary.

My most important general observations are that some of his statements are entirely appropriate applied to Quaternary settings but may not be so appropriate in pre-Quaternary sediments. This is particularly true of p. 47-49 in the ms. Quaternary paleoecologists sample the lakes and bogs they do for sound reasons, but it is dangerous to extrapolate their conclusions from these environments to superficially similar environments in quite different depositional settings. I think there is good reason to believe that oxbow lakes on the Mississippi River floodplain differ considerably from upland lakes isolated from the local drainage network. I have indicated a couple of places in the ms where it would be helpful to make this point; in a book with a pre-Quaternary emphasis, it would be useful to make the distinction.

The other general observation is that where possible we should insert references in the ms to other papers in the book that deal with similar subjects. I note, for example, where Holmes's and Brush and Brush's manuscripts treat questions of specific gravity and settling velocity (although in an aqueous fluid). These changes require the editor to take the lead, however.

Manuscript Comments:

p. 18, line 20

"pollen productivity (number of grains produced per unit abundance..." I am not sure what abundance is meant here. Plant biomass seems appropriate. I know Steve gets to this question again later; perhaps a note referring to what's to come would clear up the ambiguity.

p. 20, line 17

Just a comment: Apparently Lycopodium spores still have some pharmaceutical market. I remember a letter to the editor of Nature within the last couple of years in which the writer discussed the potential hazards to users from the Lycopodium spores used to dust condoms. The letter included an SEM of the spores on the condoms.

p. 24, line 8 and p. 24, lines 16-17

See ms for suggested revision.

p. 25, line 10

Because the readership of the book is likely to include many people unfamiliar with ecological terminology, it would be useful to include a parenthetical definition of basal area here. The other terms used in the paper are straightforward.

p. 25, equation (5) and definitions following

The following relationship must hold: $b_{jk} \geq t_j$, so that their difference is not less than zero (that is, a tree smaller than t_j does not suck pollen out of the air (have a negative pollen produced)).

On p. 26, note the subscript typo in S_{ij} .

p. 26, last line of top paragraph

"by increasing the density of reproductively mature trees (n_{ij})..." It seems to me that the density would be n_{ij}/a_i .

p. 26, lower paragraph

"This assumption is reasonable insofar as we are..."

I have some problems with the assumptions of part (1) of this sentence. Pollen production is probably not linearly related to crown area or leaf biomass. In the simplified case that Jackson presents that flower number is related to the number of distal buds whose density is a function of crown area (or volume of the sphere), then pollen production would be proportional to crown volume. This would mean pollen production would increase eightfold as the radius of the sphere doubled (or if you believe that crown area is the important independent variable, then pollen production would increase fourfold as the radius doubles). My interpretation seems to be supported by Figure 6a to which an quadratic or cubic equation would produce a better fit than a linear equation.

In the end, I don't think this has much effect on the calibration of pollen percentage to vegetation percentage in light of the uncertainties of the estimates due to other factors.

p. 27, line 14

I'm not sure why whether a tree is obligately or facultatively dioecious is relevant. After all, we're not pollinating the trees here.

p. 28, line 21

"relatively greater impact of large trees..." The exponential increase of pollen production would also apply here.

p. 30, line 5

See ms

p. 32, line 7

This is a point at which reference to Holmes's and Brush and Brush's papers could be added.

p. 37, line 14

The following paper gives a theoretical justification for the effectiveness of rain scavenging pollen from the atmosphere:

McDonald, J.E. (1962). Collection and washout of airborne pollens and spores by raindrops. Science, 135, 435-437.

p. 41, line 6+

The comment above also applies here. Muller (1959, Micropaleontology, 5, 1-32) lends support to this by noting his inability to filter pollen from the air off the Orinoco Delta, and attributing it to daily rain scavenging.

p. 48, line 2-3

Results of the waterborne lake studies may be more widely applicable; it is just that for their purposes Quaternary paleoecologists don't sample lakes most prone to waterborne transport, namely those in regions of active alluvial and deltaic sedimentation. Mind you I don't think the sampling strategy is wrong given their research aims. I do believe it is dangerous to generalize to all lakes when Quaternary paleoecologists are deliberately ignoring many settings.

These sentiments also apply to the last sentence of p. 48. There is no need to invoke waterborne transport without evidence for it, but where there is evidence for it some of the factors Jackson cites instead need not be invoked.

p. 52, line 7-8

Pollen assemblages are unique compared to what? Without the frame of reference, this sentence seems tautologous.

Figure 1

The map needs a scale.

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1 October, 1990

Dr. Martin B. Farley
Exxon Production Research Co.
P.O. Box 2189
Houston, TX 77252

Dear Martin:

Have been trying to reach you, but I conclude you're still on that fun trip you described over the phone. I hope your health rose to the occasion!

Well, despite not being able to get your approval, I'm sending you herewith a chapter to look at--ASAP! However, you don't have to do a detailed review (unless you want to!). I would like you to look at all the numbered equations and attendant text and be sure they're o.k. That's not my bag, as you know.

Best.

Yours very truly,

Alfred Traverse

AT/et
encl: Steve Jackson MS (I need it back--only spare copy)

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17 September, 1990

Dr. Martin B. Farley
Exxon Production Research Co.
P.O. Box 2189
Houston, TX 77252

Dear Martin:

Yours of 31-VIII-90 re Hart's MS and other matters obviously crossed with my most recent one to you, but it doesn't matter. Thanks a heap for the careful and useful critique of Hart's chapter. Many of the things you said rang bells, as I recall saying much the same thing in George's huge working area in his home (not about ANOVA and all that, of course!). I hope I don't have to make another trip to Baton Rouge to get the job done!

Thanks for reprint and kind words. Also for anti-herbarium blast from Dettmann et al. Unfortunate.

I am now predicting that PSU will go 10-2, including a huge upset of ND, in case you're still following the NLs.

All the best.

Yours very truly,

Alfred Traverse

AT/et

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12 September, 1990

Dr. Martin B. Farley
Exxon Production Research Co.
P.O. Box 2189
Houston, TX 77252

Dear Martin:

Have been trying to reach you by phone without success today (11 Sept.). Didn't even get the infernal machine. Hope you're ok.

Wanted to touch base on:

1. Status of your "Paleogene of Wyo. Concentration etc." chapter. I am uncertain about a couple of things. Is the version per your letter of 23 April the current "final version"? What is the status of the diskette dated 5-III-90--that's not the final version, is it? Could you provide one that has the final version?--Word Perfect preferred, but we can get others converted. Would help Betty greatly.

2. How are you coming with the Hart MS review?

3. Your annotated biblio--I am going to use this in the book as agreed, but I may accede to the critique in part by using it in subsets for the book's sections. Have you a 'still more' version? As I've been delayed, I might as well try to derive some help from the delay.

The book project is now getting attention, as my other worries have eased a bit. The worst current problems are Nichols and Bryant, who promised their MSS over a year ago and are still hemming and hawing. It's maddening.

People here still ask about you frequently.

Yours very truly,

Alfred Traverse

AT/et

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12 June, 1990

Dr. Martin B. Farley
Exxon Production Research Co.
P.O. Box 2189
Houston, TX 77252

Dear Martin:

Thanks very much for the RPP "preprint." I hope you don't regret the changes you made in the text ("dark brown clay....")--that sort of thing can lead to further egregious errors.

I agree with nearly all you said re required Latin descriptions. I would settle for any language written in any alphabet derived from the Latin and/or Greek alphabets (Cyrillic included). Languages with non-phonetic pictograms should not be allowed, as dictionaries can't in practice be used with them. We're talking here only about descriptions-diagnoses, you understand. Ed Voss' thing about the advantage of Latin as a static language is silly--he says "football-shaped" is an example of English's inadequacy--but who would say such a thing in a formal description?

I appreciate the pollen blurb--but you didn't include the heading--would your great memory contain the appropriate data?

Mother is in the nursing home in Illinois, all right. But now my sister and I have to meet in MI to empty Mother's house. It will involve a trip with my pickup to MI-IL with furniture, etc., and at least one trip MI-PA ditto.

Your comments re RR interesting. I have long said that a modern equivalent of the interurbans is what should obviously happen to the LA area, for example. It's apparently very easy to slap down the roadbeds for electric trains. Michigan of my childhood was cobwebbed with them.

All the best.

Yours very truly,

Alfred Traverse

AT/et

I. Palynology and sedimentology: justification for study

A. Paleoecology of plants (eg Andrew Scott's work as reference)

1. Justification of use of palynology

- a. relative ease of identification
 - b. relative ease of extraction
- } (relative to megafossil study)

c. large sample sizes (leads to meaningful abundances)

2. Taphonomy (how do sedimentary environmental factors affect distribution of pollen and spores)

a. facies fossils, if they exist, would skew biostratigraphic zonations. References: Doyle (1977), Srivastava (1970), Farley (1982), Tschudy (1961), Nichols and Traverse (1977)

b. facies fossils can be of different types

ie, how much is abundance controlled by depositional environment and does this control vary from taxon to taxon (eg Wing believes first abundant occurrence of *Platycarya platycaryoides* is not a facies effect) References: Darrell (1973 and others), Farley (1982), Potter (1976)

c. can assess relative abundance of 'functional groups' (ie, anemophilous vs. zoophilous, arboreal vs non-arboreal, autochthonous vs. allochthonous, etc.) insofar as it's possible. References: Fredericksen's work (eg, Open-File Rept 77-691), Graham (1975)

3. can study relative importance of ecologic vs evolutionary changes over a period of time

Other pertinent references on paleoecology of plants: Megaspores [Levinson + Hills, 19??; John Hall's work (eg Hall + Peake, 1968); Palynomorphs: Neves, Chaloner + Muir; Habib + Groth; Muir in Davey 1970; Tschudy, 1961]

Thompson well III
Webb III
T.
h.
↑

B. Applications

1. Possible inference of depositional environments from a sample's palynomorphs. References: Riley and Tyson (1980), Denison + Hancock (1988)
2. Study of palynodebris of non-marine rocks \Rightarrow handy in organic-source-for-hydrocarbons study. References: Habib, Batten (esp his Weald work which is mostly non-marine)

II. Bighorn Basin justification

- A. Sedimentologic work well underway (Wing, 1984)
- B. Easy tie-in to megafloreal work done and in progress (Wing, 1981 and others)
- C. Short time period of Willwood deposition (?4 my) allows separation of ecology and evolution
- D. Vertebrate biostratigraphy very detailed (Michigan Pap in Paleont volume)

(Finley)

12.1.89

Farley's Ideas for Traverse's Initial Paper
in Sedimentation of Palynomorphs Volume

I think the first paper would be best viewed as a synthesis, both of the published literature and of the papers in the volume. In this way, the papers in the volume can be placed in perspective. Gerald Friedman had a book review in a (relatively) recent Science that pointed out that lack of a synthesis essay left the individual papers in the book floating alone. I think this is a good point, and will help prevent the book from being viewed simply as a published symposium proceedings.

Some ideas on what the synthesis should include:

1. What does research on ancient palynomorph sedimentation suggest would be useful areas to study in modern environments and vice versa?
2. Explain how to link Holmes's experimental approach to Traverse's Trinity River sampling to other modern studies or ancient examples.
3. Perhaps a box could be used as a summary model of palynomorph taphonomy. In particular, you could point out what cells of the box are empty or nearly so (i.e., what research areas need to be worked on). Empty (or nearly so) cells would include using palynomorphs to study provenance in ancient rocks, more modern studies on pelagic bottom sediments and pollen in the water in pelagic settings (we can't kid ourselves that Koreneva or Farley exhausted the possibilities), more modern studies in the tropics, use of palynomorph sedimentation for paleoecologic interpretation, the non-existence of pre-Quaternary paleosol studies like those described by Bryant and Holloway (Sweet's work fits partly here).

I'll let you know if more ideas come to mind, but I am convinced that this makes more sense than just a literature review.

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(713) 965-4033

31 May 1990

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

Dear Alfred:

Here is a photocopy of the IPC-RPP proofs for your use. I recently got the proofs of my Palaeo-3 paper, and yesterday I received the copy of Palaios that contains my paper for that journal. This marks a first for me: I got the journal before I got any reprint requests. In the past I have always received reprint requests before the journal appeared (for my Micropaleontology article, at least a month before).

I just saw your little contribution to the most recent Taxon at Rice (I go to Rice to look at journals that EPR doesn't get; mostly the botanical ones). If you don't mind, this fuss over Latin is another example of why taxonomists are viewed as old fuddy-duddies. After all, Newton published his physics in Latin but by the time of Darwin such practices had ceased. I would say there is a good reason why Latin is dead: no one wanted to use it. In any case, despite what other people in the same issue said, the fact that Latin is dead (and therefore constant) is a singularly good reason not to use it (unless taxonomy is dead too). Constant languages have no way of expressing new concepts as they come into use. Constant languages cannot grow with our advance in knowledge and techniques (what term did Cicero use for ribosome nucleic acid sequences?). If the Latin exponents want to be consistent, I think they ought to insist that numbers in descriptions be written in Roman numerals since that is consistent with the language. I don't see any reason why phytotaxonomic descriptions can't be in any language (including Latin or Egyptian hieroglyphics if that is what suits the author). In all this what I can't see is prescribing the use of a particular language. Most descriptions will be written in the dominant language of their time to insure their use. I certainly

hope that word doesn't leak out to the general scientific community that taxonomists think the use of Latin is an important scientific issue or we'll see all money for systematics diverted to the Supersonic Super Collider or perhaps to George Bush's Aid for Families with large unrealized capital gains.

The dust has settled to a certain extent on the restructuring at Exxon USA, at least for palynology. Joan Stough and Reggie Harris will take the package and retire. Gene Borden is still weighing his options. Exxon USA will retain Elsik until he is 55 (circa October) and then he will take early retirement. That leaves Satchell, Melia, and Jameossanie who will transfer here to EPR. (Borden would be here too if he decides to stay on.) Perhaps with these arrivals, we will be able to cover the research applications requests from affiliates and have some time left over for more general research (which the biostratigraphers have not had time for in the last couple of years). Biostratigraphy, at least for the palynologists, is still done here more or less as it might have been done 30 years ago, and it doesn't appear that the new methods have been tried and found wanting: they have just been ignored.

I hope you're getting organized after your Michigan to Illinois move (and before your return to the scene to clean up the remaining ends). Say hello to Betty and the gang for me.

Sincerely yours,

Martin

By the way, I discovered on a recent visit to the RR museum of Galveston that there was an interurban line between Houston + Galveston that operated from 1911-1936. This is not such a betighted area with respect to rail transport (passenger) as one might expect there fore. The opponents of the city plan to build a rail mass transit plan are currently ~~now~~ growling at a peak. If I see one more newspaper letter that complains such a system won't breakeven at the farebox I think I'll throw up. (How much money do the freeways take in at the farebox everyday?)

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29 May, 1990

Dr. Martin B. Farley
Exxon Production Research Co.
P.O. Box 2189
Houston, TX 77252

Dear Martin:

We've been called away again--this time by a problem at our place in the Adirondacks. But I've got a few hours today to work on the book project.

I want to acknowledge first of all yours of 23 April, with the reviews of Brush & Brush and of Kovach & Batten. Also your revised MS. More about the latter later.

Glad to have all the news about Exxon--not since B. Cornet's brief stint there have I had such a grapevine in operation! You should try not to pay too much attention to rumors in-house. I recall that at Shell that sort of thing was very debilitating, and eventually played a small role in my departure for purpler pastures.

Interesting about your royalties. First time I've ever heard of that! B. Cornet must have made some pretty good money, as he also sold copies (at least a hundred).

All the best.

Yours very truly,

Alfred Traverse

AT/et

EXXON PRODUCTION RESEARCH COMPANY

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(713) 965-4033

23 April 1990

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

Dear Alfred:

Enclosed are the reviews of the papers by Brush & Brush and Kovach & Batten. Both of the papers are in reasonably good shape although I think B&B have a little more to do in revision than K&B. As before, I see no reason why I need to be an anonymous reviewer to either set of authors.

I also enclose the revised manuscript of my paper. As a general statement, I followed Batten's advice. Perhaps you will find the explanation of those reference distributions prompted by Batten's comments more useful than any I have given before.

The floppy I sent the last time was intended to enable you to make changes in the manuscript yourself. At one time you had indicated that you could make the reviewer's suggested revisions, but since you had me make them the floppy is superfluous.

The "downsizing" rumoured at Exxon USA (not at EPR) has not yet taken place. An additional rumour now is that after this downsizing, the remainder of the Exxon USA Headquarters Paleontology Group will be merged into the Biostrat Grp at EPR (and therefore the Exxon USA paleontologists will transfer to EPR). It is hard to judge the validity of this. Exploration managers at Exxon USA would not be pleased because all paleo work now is part of HQ overhead, and therefore exploration use of paleo costs each manager nothing (out of his exploration budget). EPR, on the other hand, does nothing for affiliates for free. (The prices EPR charges affiliates may be less than what it costs EPR to do the job, but the remainder is charged off to research which the affiliates pay for indirectly any way.)

I have left brackets in the Acknowledgments around K&B's names because of my uncertainty as to their (nominal) status as anonymous. Please delete the brackets or the sentence at appropriate.

with the new figure (# in the sequence; the originals sent earlier should be renumbered for fig 3 + above)

*Summarized
GLOVER BOND*

Graham Williams was in town this week to work on a couple of projects that Lew Stover and he have in progress. One of interest to you is that they are part of a team that is resurrecting the Eisenack dinoflagellate species catalog. Stover, Rob Fensome, and Williams are responsible for the text, and Hans Gocht is responsible for the photos. The text for vol. 1 of the resumption is finished; it includes descriptions and diagnoses of all the new genera erected since Eisenack's last volume, and some of the type species. Most of the text for vol. 2 is finished: it includes the remainder of the type species and the new species from Below 1987a, 1987b (which they think should be an early inclusion so that people can have English translations of Below's descriptions [the catalog includes translations and the original, at least for Latin alphabet languages, for each entry]). The publisher of Eisenack's volumes will also be the publisher of the resumed series.

In miscellaneous news: 1) Peter Hochuli will come over from Bordeaux in early May for three months work here in Houston. I am far enough down the line that the reason he is coming has not been explained to me. 2) I have met another retired Exxon palynologist who has been doing some consulting for the company: Marcel Millioud. Not much else to report...

I hope that Betty and you are well. Say hello to the gang at PSU for me.

Sincerely yours,

Martin

P.S. This week I received, believe it or not, a check from University Microfilms of \$21.33 as royalties on sales of my dissertation in 1989. They sold 7 copies (3 paper, 4 microfiche), when I submitted my disc. to them, I recall something about royalties, but the possibility I'd receive any seemed remote. Now that I've authored a bestseller, the only question is who should play me in the movie. Perhaps Sean Connery could play you.

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20 March, 1990

Dr. Martin B. Farley
Exxon Production Research Co.
P.O. Box 2189
Houston, TX 77252

Dear Martin:

The other letter of this date is too long and complicated to add this to it.

Your revised MS-with-disk, which just came in, is going to make you a little sad, because I finally am in a position to send you the official review (by Batten & Kovach). It came in January, but I've been ill and/or preoccupied much of the time since then, and as far as I can tell, I haven't sent it on to you. I can't recall whether they wanted me to let you know they're the reviewers, so act accordingly.

Because you have this on the computer, I suppose you can respond to the editorial suggestions easily--by sending revised pages, or arguments why none is needed, as appropriate.

I look forward to getting your response.

Enjoy the Texas spring wildflowers--or is it already summer!

Yours very truly,

Alfred Traverse

AT/et
encl: MS with comments

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20 March, 1990

Dr. Martin B. Farley
Exxon Production Research Co.
P.O. Box 2189
Houston, TX 77252

Dear Martin:

Yours of 5 March arrived a week or so ago, but I've had a rough bout with flu--lost the entire "Spring" break and have been up and down ever since. I think I'm finally better, but as recently as 5 days ago, I still had a fever of 101.

Your letter treats a long list of heterogeneous subjects, so I guess I'll respond paragraph by paragraph:

1. The Volkswriter disk is a novelty. I'm treating it as I would a red-eyed vireo that flew in the window. Who knows, it may turn out to be important. We use Word Perfect these days for manuscripts, but still rely on Volkswriter to some extent. Thanks.

2. I hope you're kidding about my being "paid big money". I still am only 1/2 way to break-even on Paleopalynology. Thanks for comments re Brush-Brush vs. Holmes integration. May have to be handled by my introductory comments to sections, which I'll run by you.

3.-4. I look forward to getting your reviews of B-B & K-B.

5. Re the annotated biblio--I do intend, despite the reviewers' opinions, to use more or less the whole thing--but I thought of using it in sections appropriate to the book divisions. It's still a little soon to discuss the details, but I'll run it by you when it comes up.

6. (p. 2) Heavens, I didn't think you'd be having to worry about job security so soon.

7. Interesting news about Lew Stover.

8. The guy who showed Ephedra double-fertilization is the same fellow who talked about Ginkgo pollination here a couple of years ago. I recall knowing decades ago that Ephedra has double-fertilization, so when I read the piece I wondered what was so new.

9. Re computers--I'm absolutely astonished, as I just read Wrenn's article about the future of palynology--all computers! Judi Lentin had a similar piece recently. When I was at Shell, an individual researcher could get a piece of equipment in the computer price range just by asking. I got boats with outboard motors, canoes, etc., to say nothing of microscopes.

10. Interesting about Trinity River--I heard about this some years ago. It's a funny business.

So, I'll be looking for the reviews. As I write this, I'm listening to the L-L basketball game, 2nd round of NCAA with Virginia, down there. Virginia is murdering the poor girls.

Best wishes as ever.

Yours very truly,

Alfred Traverse

AT/et

EXON PRODUCTION RESEARCH COMPANY

POST OFFICE BOX 2189 • HOUSTON, TEXAS 77252-2189

(713) 965-4033

5 March 1990

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

Dear Alfred:

Enclosed is the revised (to avoid word-for-word overlap with our IPC paper and to include locality data as an appendix) manuscript of my concentration work for the book. For your convenience, I include not only a paper copy but also a copy of the manuscript on a floppy. The filename (processed in Volkswriter) is CONC.PAP. The format is CONC.FMT (but the printer table is not correct for you).

I have looked over Brush & Brush pretty thoroughly, and it is in pretty good shape. I have some comments to make on how to broaden it a little that I will send separately when I get a chance to write them up. An attempt should be made to integrate Brush & Brush and Holmes as they cover the same ground to a certain extent (at least in literature review). I like Brush & Brush's review; while not as comprehensive (or as confusing in the version of Holmes I read) as Holmes's treatment, the Brushes' treatment makes their points clear. I think integration is important because it will make the book more unified rather than a collection of papers seemingly produced by authors in hermetically sealed boxes. I am not sure how to integrate B&B and H, but I suppose that is why you get paid the big money.

As yet I have only been able to scan Kovach and Batten, but their ms appears to be in reasonable shape.

I will try to get you B&B by next week, and K&B soon after that.

One thing that this has brought to mind is the status or use in the book of my annotated bibliography. I know that the publisher's reviewers didn't care for the idea of one big section, and you suggested that other possibilities might be

used. If you want me to provide you with input, you should let me know your current thinking...

Exxon is apparently about to downsize again (i.e., reduce the number of employees). This go-round will be confined to Exxon USA, and will, according to the grapevine, hit Paleo hard. The standard technique is to push people above a target age into early retirement. The story is that Joan Stough, Reggie Harris, and one other palynologists are on the list. (Elsik is not the other palynologist on the list; however, since I still haven't been across the street to meet the gang, I don't know what Elsik's status is.)

In other news: Lew Stover put his house on the market last week: Lew and his wife are planning to move to Kerrville (more or less between Fredericksburg and San Antonio). This will certainly cut into his commuting to Buffalo Speedway to do his consulting.

Angiosperm evolution has certainly been in the news lately with Taylor and Hickey's Aptian Australian angiosperm (although the detail of the preservation presented in Science doesn't seem that great) and the proof of double fertilization in Ephedra in a more recent Science.

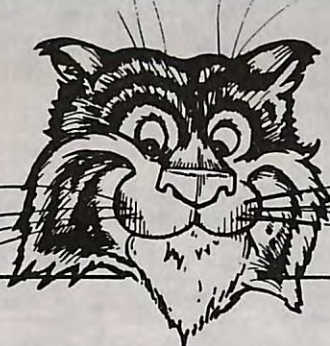
You are ahead of the Biostratigraphy Grp at EPR in at least one material way: personal computers. I am writing this on an IBM AT that sits in the Biostrat workroom. Some of my colleagues have PC's, some have only mainframe terminals, and some, like me, have neither. Part of this results from the age of my colleagues: all but one finished their graduate education too early to have had much exposure to computers and regard them as a normal tool. In some respects this is borne out by my current situation: people are suggesting all sorts of new objectives that could (ought to) be bought for my microscope, but nothing has been said about a computer (the one other young paleontologist has been here about a year, and he just got to put in his request for a PC, and the request still which has a horrendous bureaucracy to go through. *The photocopy machines are not great shakes either.*)

It was a good thing you resumed your Trinity River work when you did because plans are moving steadily ahead here to dam up the mouth to form another water supply reservoir for Houston. (It is interesting, incidentally, to note that despite the general self-reliant propaganda put out here, how much the people here think the federal government is supposed to pay out for projects like this. If Philadelphia or New York got even 1 cent for their water supplies from the feds, the mayors would drop dead from shock.)

Sincerely yours,

Martin

31 Jan.



Dear Alfred:

I thought you'd appreciate
a copy of my business card.
My home address + phone,
incidentally, are:

6102 Winsome Lane, #33
Houston, Texas 77057
(713) 785 8615

Martin

MARTIN B. FARLEY

RESEARCH GEOLOGIST
EXPLORATION CONCEPTS
(713) 965-4033

EXON PRODUCTION RESEARCH COMPANY

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15 January, 1990

Dr. Martin B. Farley
Exxon Production Research Co.
P.O. Box 2189
Houston, TX 77252

Dear Martin:

Just came to yours of 19 December, with the Houston address. It's funny to think of you there. You are almost exactly the age I was when I arrived at Shell Development.

Your plans re the chapter for the sedimentation book are good to know. We now are finally at the point where some expedition would be appreciated. You can (within reason) do anything you like with your chapter.

You are right about Big Ten's academic advantages, I guess. John Cahir insists it will help graduate student recruiting. On the athletic basis it seems weird. Local tailgaters will be driving to St. Paul, MN? The Big Ten is Midwestern! We're the Beast of the East. Etc. (John Cahir and I are betting this will finally bring varsity hockey here.)

The "Center for Excellence in Palynology", for which PSU is competing, envisions two chairs in palynology--PSU guarantees to continue "my" position and add another. Your four guesses as to our competition were all correct. The other two are Arizona and Michigan State. If it's an honest decision it must come here.

Have fun. All the best

Yours very truly,

Alfred Traverse

P.S. Thanks for seasonal greetings!

AT/et

SMITHSONIAN INSTITUTION
NATIONAL MUSEUM OF NATURAL HISTORY
DEPARTMENT OF PALEOBIOLOGY
WASHINGTON, D.C. 20560

Ian G. Macintyre, Chairman
Frederick J. Collier, Collections Manager

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE: \$300

Dear Alfred:

Just a note to let you know
you may be receiving a request
from L.H. Skelton (Kansas Geol
Survey) for palynology of a
sandstone (post-Permian) (at
KGS's cost.

His description of the ss
("fairly clean cross-bedded qtz
ss") doesn't sound promising,
& I told him so, but as I can't
handle his request, I suggested
you might.

Martin

Farley

21 Dec
89

BURGESS SHALE DIORAMA. FOSSILS: THE HISTORY OF LIFE. This re-creation of a bottom dwelling
marine community of the Middle Cambrian, about 530 million years ago, complements the new SMITHSONIAN
EXHIBIT of soft bodied animals and plants preserved in the Burgess Shale. PHOTO: Chip Clark.



POSTAGE AND FEES PAID
SMITHSONIAN INSTITUTION

Alfred Traverse
435 Deike
Univ Pk, Pa 16802

Department of Paleobiology
Smithsonian Institution
Washington, D.C. 20560
(202) 357-4479
19 December 1989

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

Dear Alfred:

Thanks for your postcard and your letter of the 11th which I received today. It has been a hectic last few days for me: I completed grading my course and drove to Fredericksburg to hand in the grades Sunday, and yesterday the movers came to take away the vast majority of my belongings. What is left is what I am transporting myself. I will leave DC on about the 28th and go to Philadelphia to visit my parents. I will then leave for Houston directly from there on 2 Jan. to arrive about 8 January.

My new mailing address down there will be:

Exxon Production Research Co.
P.O. Box 2189
Houston, Texas 77252

I don't know what my phone number will be, but I'll call or drop you a line when I get there and find out.

I submitted the revised manuscript of my P³ paper, so I hope I am done with that. As I have probably mentioned before, my Palaios paper was accepted some time ago. So the only remaining paper to come directly out of my Ph.D. that is not finalized is the one for your book. As to your note on repeating material from the IPC proceedings, there are some passages that are identical in the two manuscripts, so I will get to work and revise the version for the book. I would also like to add an appendix (which could be printed in reduced type) that would give locality details (location, USNM numbers where appropriate, etc.). This paper covers the largest number of localities of any in my dissertation, and it would be useful to have this information publicly available somewhere.

At a party Sunday night, an unexpected guest showed up with Hans Dieter Sues, namely Paul Olsen. I didn't spend much time talking to him, because he spent most of it talking to Scott and his wife, whom he knew at Yale. At any rate, it was nice to have "collected" him as Carmen would say.

How will you like being a member of the Big 10. The news of this proposed (accomplished?) maneuver is somewhat disconcerting to me. I had gotten so used to PSU as an independent (in football at least) that a change to a league is a shock. From a purely academic view, there may be some advantages from such an association though. The Big 10 schools (plus the University of Chicago, which as I know you are aware, was once a member of the Big 10) have a cooperative agreement whereby a student at one can pay tuition at his home school but attend another on an exchange basis. This might be useful for graduate students wanting some experience in some area of geology not represented at Penn State.

Deb Willard will arrive here at SI more or less as I leave. Robyn Burnham is also leaving now to take up her new job as curator of (paleo)botany at the New Mexico Museum of Natural History. Deb and her husband (Sal) have rented a two bedroom apartment (second bedroom for their two cats) in the Bethesda area. This is near golf courses (for him), and costs a mere \$1100 a month. I gather Sal's income as a roving golf TV producer makes a better lifestyle available than that made possible by a SI postdoc.

Miscellaneous other news: Fran Hueber who had filed for a retirement date of 1 June 1990 has now withdrawn this filing and has left his retirement date open. It is not clear to me whether the Hurricane Hugo damage to his house in St. Thomas (which was not great) played a role in this or not. Serge Mamay is well and comes in every day (unless it snows; this year not a trivial matter). He is planning a trip to the AIBS meeting in August 1990 in Richmond. The wicked witch of the west and her sidekick have a paper in the most recent issue of Lethaia on Moyeria as an euglenoid. The paper, which I skimmed, contains a number of their usual tricks.

I will consider writing to Piel to support PSU's candidacy for the chair (why not a sofa?). I have nothing against the idea of a chair in palynology, except that it will not solve the problem of graduate education. Palynology needs diversity of positions even if one person could cover the waterfront effectively. One person, however, cannot and probably can't have since Evitt 'invented' fossil dinoflagellates. You mention that there are six other schools are in the race in your letter to RJL; I am not sure which they are (LSU, Oklahoma, Texas, Texas A&M...).

Say hello to Betty, and to the gang at PSU, and I hope that you and your family have a joyful holiday season.

Sincerely yours,

Martin

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27 November, 1989

Dr. Martin B. Farley
Department of Paleobiology, MRC 164
Smithsonian Institution
Washington, DC 20560

Dear Martin:

Well, you're getting to be a short-time fellow in DC! I hope you don't disappear into a void at Exxon--my colleagues there seldom really answer my letters. In fact, they often ignore them utterly. Elsik sometimes scribbles a laconic note on my letter and sends it back, a practice I deplore.

Your package with letter of 17 November is in hand. Thanks very much for your prompt, thorough and helpful reviews of Fred's and Phil's chapters. I have forwarded these along to the authors, along with parts of your review letters and your identity (as requested). Let's deal with various things from the letter itself first (I'll use your numbers):

1. I don't think there needs to be a standard term for spores/pollen (a better form than pollen/spores). However, I don't think "spores" is adequate. I like sporomorph, but Nichols for one abominates it (I don't know why).

2. In a scientific book I do not favor common names unless there's some real reason. Many of them are very misleading ("sagebrush," for example). I may have trouble with some authors, because I won't accept common-names-only. In the Willwood work you needn't use any (Ulmipollenites might not = "elm" anyhow).

3. There is no difficulty getting permission to use figures from journals, etc., except for Elsevier. Even with them it's not really difficult, just costly.

I haven't looked yet, but I hope you pointed out to Holmes where he made (p. 2) "...his error...."

I don't think repetition of material in RPP in the book chapter matters (within reason!). There could be copyright difficulties if long passages are word-for-word.

Thanks for all the gossip updates. The tid about CK doesn't indicate if she actually has completed a Ph.D. The Rothwell/Stockey thing is startling to me.

The Piel site-visit went very well. Shel A. pulled out all stops. The conference with B. Jordan was the first I'd ever had with a reigning PSU monarch, though I've met E. Walker several times in recent years. There were also many other high-level meetings with the Provost, various VPs, etc. The offer PSU made was amazing and actually better than 1:1 cash matching. If it's an honest decision I don't see how we could miss. Curiously, this deal has so impressed some high-ups here that palynology might fare better than RS thinks, even if we don't win. John Dutton stated unequivocally that palynology will be a permanent part of the program here, and Eric Barron is determined that palynology stay. RS may be outdated?

Best wishes as always.

Yours very truly,

Alfred Traverse

AT/et
encl: copies of letters to Rich, Holmes

Department of Paleobiology
Smithsonian Institution
Washington, D.C. 20560
(202) 357-4479
17 November 1989

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

Dear Alfred:

Here are the reviews of Rich and Pirkle and Holmes. I see no reason to hide in anonymity from the authors, so you can tell them I am responsible for the comments on the attached pages and their manuscripts. There are some comments which I prefer you don't mention to them, but they are included in this cover letter. If you think anything I've raised needs further discussion feel free to call me.

Reading these two manuscripts has raised a couple of more general questions in my mind:

- 1) should there be a standard term throughout the book for pollen/spores? Holmes uses spores, I use (I recall) sporomorphs, Rich and Pirkle use pollen/spores. Enforcing a uniform term has its advantages in consistency (reviewers like that), but has its disadvantages too in enraging opinionated chapter authors. At any rate, the matter occurred to me so I thought I'd mention it.
- 2) to what extent are common names of plants necessary? Rich and Pirkle are much more obvious about it than Holmes, but both include common names. This might be a good idea (to keep sedimentologists in the ballpark), but it could be cumbersome in my Willwood paper and even worse in those dealing with still older sediments.
- 3) what need is there for copyright permissions for reproducing some figures. I gather from the copy of Holmes's letter you just sent that he has dealt with this problem by omitting the figures. Rich may need permission for his Fig. 11 (from AASP) and Figs 2,9,10 (various state surveys).

It may be that Holmes has fixed some of the problems I've found in his new revised manuscript. If so, good. I get the impression that Holmes hasn't written many papers, and that furthermore, he didn't run this manuscript by Chaloner or Frostick before submitting it. I haven't mentioned some of the stylistic problems in my general comments. but it is apparent that he has some problems understanding how compound sentences

should be linked with conjunctions. As I have noted in my general comments there are some serious problems in the manuscript at least in the manner of data presentation ('rate of deposition' and plotting some of the points). These confused me at first, until I figured out his error; therefore they would likely confuse other readers. I would like to reemphasize, however, that I do not dismiss his work or his conclusions, but they will pack a more effective wallop if the presentation is improved. I suspect it will be important not to give him the impression that my overall view of his work is negative. One good aspect of Holmes's manuscript is that in contrast to Rich and Pirkle, the relevance of Holmes' contribution to the book as a whole is clear.

Rich and Pirkle's manuscript has a different set of problems from Holmes's. The lack of focus is serious, particularly in a book with a definite theme. I am sort of surprised to be saying that the paper is too short, but it is. This is fortunate because the lack of focus can be corrected and the context of their new data can be fixed by describing how these data relate to Fred's earlier work. A revision of this sort will be a vast improvement. Rich, like Holmes, leaves some details out (localities sampled, number of grains counted) that need to be there (or at least referenced). Rich also uses an informal style; I know that you aren't averse to informal writing personally so I haven't commented on it.

All in all, I am interested in the results of both papers (particularly Holmes's) and I think that with appropriate revision each can fill a valuable place in the book's lineup. (Incidentally some of the comments I have made above might apply to my concentration paper too; let me know if they do.)

I got a response to my note to Truswell. Our paper for the IPC proceeding was accepted, but they just forgot to inform me. The letter also stated that the proceedings will be published in special issue(s) of the Review of Palaeobotany and Palynology which I also had not known. This is a somewhat more prominent place than I had originally anticipated, and makes me worry somewhat about the repetition of some material in both the IPC paper and my contribution for the book. Should this bother me?

My paper for Palaios has been accepted as revised, and right before GSA I got back my submission to Palaeogeog, Palaeoclimat, Palaeoecol which will be acceptable when revised (my next project as I had to get my talk ready and finish my review of Holmes's ms first). If you see Eric Barron, you might thank him for me for his comments as Editor on my manuscript.

Things went reasonably well at GSA, although I was unhappy with the attendance at the 'Paleontology II: Paleobotany' session. This session was opposite the Paleo posters, so a number of paleontologists didn't show up at all or left after the Valentine, Tiffney, and Sepkoski talk (given by Bruce) that led off the session. DiMichele's talk (the fourth out of eight) was

the first to deal with vascular plants, and after his talk the audience was down to the paleobotanists (*sensu lato*) at GSA plus a few hardy paleontologists. Gary Upchurch and I were in agreement that if paleobotanists want to talk to paleobotanists they can do it more efficiently at other than GSA. There were a number of interesting papers given, and I think that the proportion of abysmal presentations (*i.e.*, presentation itself rather than the quality of the research) is down. Many more people are producing legible slides (at least in the sessions I went to) than used to be the case.

Miscellaneous news: Steve Manchester is going to the University of Florida (as Dilcher of course goes to the Florida State Museum) in June 1990. At Toronto, Steve wasn't sure if he'd go. According to my sources in the IU geology faculty, they would like to have seen him stay but not at the expense of forcing unproductive faculty members to give up lab space. Nichols and Gastaldo both allowed as how they are somewhat embarrassed that they haven't sent you their contributions to the book yet. I believe that Penn State's most notorious coal geology Ph.D. was present. A Steve Austin with a badge listing no institutional affiliation but giving California as a general address was present in the back of the Monday morning Coal Section symposium on modern and ancient environments of coal deposition. Deb Willard was there; apparently she has nearly got her dissertation through Phillips. Nan Arens was also present, and we had a nice chat on various matters. Your least favorite New York City palynologist, Cindy Kramer, was also present, looking for a job. According to Prave, she is currently in dispute with Habib because she submitted a paper on her work without informing him or listing him as coauthor.

In other non-GSA news: Serge received a letter from Gene Mapes in which she mentioned that Gar Rothwell and Ruth Stockey will marry in early December. This is no surprise as they have had a long-distance relationship going for quite some time. Their current plans are to maintain the occupational status quo with Gar in Athens and Ruth in Saskatoon. Serge is fine, and comes in every day to work on papers (he has just submitted another to AJB on a new genus to be named Charliea in honor of Charlie Read).

Let me know what the upshot of Piel's visit was. The current Penn Staters I saw at GSA were agog at the prospect of a chair in palynology (this included some faculty mbrs). They assumed I knew all about it, when what you told me about covers what I know. Nichols was at the AASP board meeting in Tulsa, and said that not much substantive was announced then. Slingerland was very interested to hear what I knew, and during the course of our conversation mentioned in his usual I'm-just-reporting-what-the-gods-on-high-have-decided manner that if PSU doesn't get the chair, palynology has no future after you in the department.

I saw Jansonius's review of Paleopalynology in the recent RPP; is this precisely the review he sent you? He certainly was

negative, although in the last paragraph he gave the impression he was trying to execute a quick reversal of direction. I don't think some of his comments were fair. For example, I consider myself reasonably well-informed on the index literature and I didn't know the "Bibliography and Index of Micropaleontology" existed until I came to the Smithsonian and saw it one day on the incoming library shelf. I am somewhat surprised that Sarjeant hasn't had a crack at it in Micropaleontology; he has panned all recent books on dinos there.

I assume that you have seen Bruce Cornet's paper in *Palaeontographica* on the Richmond Basin angiosperm-like pollen. It is good that Bruce finally got it out even if it did take more than a decade. His acknowledgments are complimentary to you but his discussion of the expense of the project was rather odd.

It is nice to know I'm missed in State College. Say hello to Betty, Carmen, Andy, Roger Cuffey (he wasn't at GSA and I missed him), and others for me.

Sincerely yours,

Martin

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

6 November, 1989

Dr. Martin B. Farley
Department of Paleobiology, MRC 164
Smithsonian Institution
Washington, DC 20560

Dear Martin:

Phil Holmes sent a revised version of his Ms--but I think that what you have is o.k. for the purpose of review. I enclosed a xerox of the covering letter. You should be done with the review pretty soon, huh?

Hope you are o.k. You are still missed on the local scene.

All the best.

Yours very truly,

Alfred Traverse

AT/et
encl: copy of P.H. letter

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

25 September, 1989

Dr. Martin B. Farley
Dept. of Paleobiology, MRC 164
Smithsonian Institution
Washington, DC 20560

Dear Martin:

It's great to have the "concentration" (I wish there were a better word) paper in hand! I have already faxed the potential reviewer for permission to send it to him/her.

The rest of your letter doesn't need to be answered, as we jawed about all of it over the phone. It did remind me to write Lentin about the committee--I don't like unfinished business, but I really can't go forward until the mess of two chairmen is settled amicably.

Best.

Yours very truly,

Alfred Traverse

AT/et

THE PENNSYLVANIA STATE UNIVERSITY
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25 September, 1989

Dr. Martin B. Farley
Dept. of Paleobiology, MRC 164
Smithsonian Institution
Washington, DC 20560

Dear Martin:

(This is the third letter to you today and the second request to review a book chapter MS--consider yourself complimented!)

Here's Holmes' MS from the book for you to review, please. You're obviously the person to do it, despite other connections to the volume.

I will probably not ask you to do any more primary reviews, but I'd like some second reviews from you when the time comes--as many as your nomadic status permits. (Of course, Moses was allegedly a nomad when he allegedly wrote the Pentateuch.)

Best.

Yours very truly,

Alfred Traverse

AT/et
encl: Holmes MS

THE PENNSYLVANIA STATE UNIVERSITY
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25 September, 1989

Dr. Martin B. Farley
Dept. of Paleobiology, MRC 164
Smithsonian Institution
Washington, DC 20560

Dear Martin:

Here's the Fred Rich MS. I hope you can get to it with dispatch, as I need to get it back to him for revision.

As this is a xerox copy, you can and should red-pencil right on the MS. Please see enclosed instructions.

Normally I will keep identity of reviewers confidential. If you prefer, however, I can tell Fred it was you who did it.

All the best.

Yours very truly,

Alfred Traverse

AT/et
encl: Rich MS

Department of Paleobiology,
MRC164
Smithsonian Institution
Washington, D.C. 20560
20 September 1989

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

Dear Alfred:

Here is the manuscript of my concentration paper for the Cambridge volume (42 pages [including references, tables, figure captions + 10 figures]). Let me know if I can help in any way on the production of the book.

I see from the agenda for the AASP meeting of the Board at Tulsa that you are listed as giving the report for the Type Slide Committee. Is this delegated from Litwin? You might be interested in knowing that I gave Lentini a tour of the Paleobotany facilities and collections here at USNM during the IGC in July so she could evaluate the museum as a repository. She complained to me about the heat in D.C. and the expense (although a possibility she mentioned, the Tyrrell, has problems of ease of accessibility, I imagine). The USNM, like any other place, has advantages (funding for short-term visitors, reasonable loan policies, long-standing commitment to collections, statutory depository for all USGS collections) and disadvantages (it can be hot and expensive, local lab facilities are somewhat uneven). Insofar as collections of printed material and not just fossil material is concerned, it is worth keeping in mind that Cushman's foram materials are here in their own room. I don't see that AASP need nominate only one place for type material; several solid institutions distributed widely would probably be best, especially if AASP could produce a database of who's got what.

I am not going to Tulsa, and I will need someone to present my report for the Joint Meetings committee to the Board. I have sent material to both Leffingwell and Piel, so perhaps one of them might be willing to deliver the report. If, in the event one of them is not, would you be willing to take on this awesome responsibility? If you like, I could appoint you to the committee (thus doubling its size).

Say hello to Betty and the gang at PSU for me.

Sincerely yours,

Martin

THE PENNSYLVANIA STATE UNIVERSITY
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20 September, 1989

Dr. Martin B. Farley
Department of Paleobiology, MRC 164
Smithsonian Institution
Washington, DC 20560

Dear Martin:

Yours of 8 September (franked envelopes don't show postmarks, so there is no clue when it actually went out) just in! It's nice to have the biblio, and to know that the concentration-paper is soon to come. I can begin to get things put together.

You should probably write Liz T.--something weird may have happened.

Glad progress is being made on publication of various parts of your dissertation! It continues to irk me that both of the Hickey-connected theses have never resulted in substantial publications.

Good to hear about Mary Washington classes. It would be interesting one day to hear more about the place. Sometimes I think we have too many such in USA.

I don't believe I've ever met Spicer, though I've corresponded with him. I would have enjoyed that session, but don't know if an Ethiopian restaurant would have appealed. Or is that in-talk for soul food?

Your report on the Toronto meeting was the only one I got, so it was very welcome. The lauraceous anthers' pollen-contents would have little chance of preservation--they are very delicate (practically no sporopollenin).

Everything o.k. here. 423 has only 6 students because of biology's failure to list it, but that happened at least once before (1981), and we survived!

You are welcome here anytime!

Yours very truly,

Alfred Traverse

P.S. Thanks for the item re Triassic of Syria, which I have duly noted with interest and filed. (If it comes up again, it would be nice to scribble down the inclusive pagination.)

AT/et

Department of Paleobiology,
MRC164
Smithsonian Institution
Washington, D.C. 20560
(202) 357-4479
8 September 1989

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

Dear Alfred:

Here is the manuscript of my annotated bibliography for the book. Given what you said in your most recent letter (to me specifically), it will have to be revised (cutup) for the final version, but it is not clear to me how this will be done. I gather that you aren't sure either at the moment. Let me know when you are more sure of how the revision is to go. I am sending it along though, so you can tell Cambridge that a(nother) manuscript is in hand.

The manuscript is in Cambridge format except that I couldn't figure out how to get a left header and a right header on the same line in Volkswriter. I decided you'd rather have page numbers than my name, so that's what the copy has.

The concentration paper is done, but I am going to ask Scott to read it before I send it to you. If he is reasonably prompt, then you will get it after I make any suggested revisions of his.

I still have heard nothing at all from Truswell on the Farley and Traverse paper for the IPC Proceedings volume. I suppose I should soon write her, but that will guarantee our letters will cross in the mail.

The lithofacies analysis part of my dissertation came back from the reviewers at Palaios; some revision and clarification was required. I finished these and returned the ms today. The paleoecological methods and interpretation part has been in at Palaeogeog, Palaeoclimat, Palaeoecol for a couple of months.

I received an abstract acceptance form for this fall's GSA Annual Meeting in St. Louis; it omitted only one minor detail: what day I am to give the talk on. It lists a session (Paleontology II: Paleobotany) and a time (1130) though, so I can guess it is either Tuesday or Wednesday of GSA week. Bill DiMichele didn't get a date on his acceptance form either, so it looks like GSA made some sort of general screwup.

Classes started at Mary Washington the week before Labor Day, and my class is going well so far. One thing I miss is the convenient slide libraries available from you and other faculty members at PSU.

Bob Spicer and Jim Doyle were (coincidentally) in town the third week of August, so the paleobotany crew here had a dinner with them at an Ethiopian restaurant here in town.

My talk at AIBS in Toronto went well, although Leo Hickey made some grouchy comments afterward that were really directed at Scott (who had already left town). Peter Crane and his postdoc, Andrew Drinnan, have found some really spectacular lauraceous flowers (fusainized) from the Potomac Group (sieved from sands). As you might expect, everything is structurally preserved but the anthers are devoid of pollen. There was a reasonably successful "Phytodebris Workshop" before the meeting proper run by B.H. Tiffney in which Norma Johnson and Paul Strother played prominent parts. I did not see any of the Toronto palynology crowd and did not think to go see them until I really had no time to do so.

I hope things are going well for Betty and you this semester, and perhaps I will get up to State College sometime this fall so we can talk at length about revising the bibliography, et al.

Sincerely yours,

Martin

TO AT
DATE 3-VIII-89 TIME 2:20

WHILE YOU WERE OUT

M. Martin Farley

Of _____

Phone 202-357-4479

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

MESSAGE Got job w. Exxon!

Signed BT

The Standard Register Company

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

31 July, 1989

Dr. Martin B. Farley
Dept. of Paleobiology, MRC 164
Smithsonian Institution
Washington, DC 20560

Dear Martin:

I've already had trouble with combining book and other business in one letter--the book drawer has its own correspondence section--so I am making this a separate letter re proposals:

1. I am of course happy if you, Barron and Lisa get up a proposal that includes palynology by yourself. I would, however, request (demand?) that if this is done it include a modest amount for use of the lab--my experience is that about \$20 a sample is generous--covers supplies, wear and tear on equipment, glassware, etc. Also, I would like it to include a modest amount for Betty's work as lab major-domo (bookwork on the lab, miscellaneous help, probably secretarial function).

2. I also do not object to a joint proposal between you and me--indeed it would help me obviously! There is a current problem with NSF--I have to get out something on the Catskill project, so that it can at least be listed as "submitted for publication", before I can submit another NSF proposal. When that can/will occur I don't know. So--Pet. Res. would be better source (if I'm to be listed). Again, please plan to stick in some dollars for lab support and (more important) a bit for Betty as "Research Assistant."

3. If you really were to go to Exxon, the above is all "academic" (I hate that use of the word).

Best.

Yours very truly,

Alfred Traverse

AT/et

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

31 July, 1989

Dr. Martin B. Farley
Dept. of Paleobiology, MRC 164
Smithsonian Institution
Washington, DC 20560

Dear Martin:

As I said over the phone, I regret that answering yours of 23 June has taken so long.

Re the annotated bibliography--the reviewers apparently thought that it would have marginal usefulness, as a separate "chapter." I argued some with Peter-John Leone, the editor, and after a while "they" came up with the strong "suggestion" that the biblio be incorporated in piecemeal fashion with the brief introduction to the sections of the book as a sort of suggested reading list. In my view that would be o.k. It would, of course, be made clear that the annotations are your work, best done by listing you as co-author of these introductions, I would think. I'd like you to help with that anyway. If the index is good, that is probably enough "keywords." So--I'm glad you've got 'em ready to go, and we can deal with the particulars later. This was a compromise--the (Quaternary--Birks and one other, I guess Webb) reviewers really wanted to scrap it. Shucks, it was a major reason for doing the book.

The concentration paper should be in my hands by mid-Fall. The intro. should deal with the general literature and have a slant that interests a general reader.

Good to hear about the Cleveland meeting. Shya had invited me to give one of the featured talks. I had heard such negative things from Golombek that your letter was a good antidote.

All the best.

Yours very truly,

Alfred Traverse

AT/et

TO Alfred.
DATE 7-21-89 TIME 3:00

WHILE YOU WERE OUT

M. Martin Farley
Of _____
Phone _____

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

MESSAGE He was calling to
say he had an invite
to interview with Exxon
- I recommended he
try hard to impress! AG

Signed Judith

The Standard Register Company

Department of Paleobiology,
MRC164
Smithsonian Institution
Washington, D.C. 20560
(202) 357-4479
23 June 1989

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

Dear Alfred:

I got the job teaching paleo at Mary Washington in the fall. This will provide some income for the fall, and will certainly be a handy addition to my vita. The class will be a nice size (8-10 students), and the teaching collections looks workable although disorganized.

Received your photocopied "Notes for Contributors." The checklist includes a keyword list for generating the index. This suggested to me that some sort of keyword list for each entry in the annotated bibliography would be appropriate. As the bibliography stands now, there is no way to find any particular papers except by perusing the whole thing and reading the annotations. I think its usefulness would be enhanced by including some keywords (abbreviated) at the beginning of each annotation. (These could be used for each entry in the book's index or not.) The sort of keywords I have in mind would be: environmental (marine vs. nonmarine vs. theoretical), geographical (by continent), sampling (water vs. air vs. sediment), concentration (if used). There might also be value in breaking down nonmarine into lake, pond, alluvial, bog. Let me know what you think of this idea. Overall, the bibliography is nearly finished (for the purposes of this book), and since Wing recently got a laser printer, producing a final manuscript will be easy (although leaving 4 cm margins all around will require quite a bit of reformatting).

The concentration paper is a bit farther away; when the likely publisher seemed in doubt, I began work on the paleoecologic paper instead (the Synecology section of my dissertation). I have finished that and submitted it to P³. Right now I am concentrating on my part of the proposal with Barron and Cirbus-Sloan; when that slacks off some, I will resume the revisions of the concentration paper (which is fairly far along).

I enclose a summary of the IPC that appeared in a recent French journal, so you can note the prominent position that Bonnefille gave the palyn/lith symposium.

A couple of people at the Midcontinent Paleobotanical Colloquium at Cleveland in May said to say hello to you: Esther Schopf, Harlan Banks. The meeting was great, the Cleveland Museum of Natural History is very nice, and a good time was had by all. Shya Chitaleley has done an amazing job building paleobotany up from nothing there.

I guess the field of palynologists is smaller than I thought, what with at least two reviewing your book twice: Steve Jacobson in the Journal of Sedimentary Petrology and Geology, and Knut Faegri in Grana and the IOP Newsletter. It's funny how their views didn't change much from one review to the next.

Still have heard nothing from Australia on our IPC contribution...

I know you are not keen on this, but I am going to bring it up anyway. Eric's opinion is that the proposal will fly better if it includes only six months of salary per year of the grant for me. That leaves six months more or less open, and his view, with which I concur, is that this leaves room for another grant proposal. As a general statement, I think it would be best for me (assuming I don't get a permanent job somewhere in the interim) to conduct this work at PSU. That implies that I should have another proposal in the works to provide the other half of my support. Now I am not implying that you have to undertake some sort of research project for my benefit. What I am suggesting is that the proposal will go over better with your name on it as well as mine (you have standing at PSU, etc.). This is basically the role Eric is going to play with the other proposal. The proposal need not go to NSF; the Petroleum Research Fund could work here. I have two projects in mind as possibilities: patchiness of vegetation in single sedimentary environments in the Willwood or pollen as a provenance and paleocirculation indicator in marine sediments of the eastern side of the Cretaceous Seaway in Kansas. The first project builds on field observations Scott and I made last summer in Wyoming, and which he is presumably building on now out there. The second is to use palynomorph concentration a la Hoffmeister to get info on marine currents and river mouth locations in the Cretaceous Seaway (probably the Graneros Shale because it has some bentonites in it to use as timelines). Chris Maples was here a couple of weeks ago and he suggested that the Kansas Survey might be interested in helping in a small way with a project like this. I would appreciate your input on these as possibilities.

Sincerely yours,

Martin B. Farley

Thanks for the note on lack of Fedorova translation,
Hunt Institute for Botanical Documentation

MINÉRALURGIE

Le XVI^e Congrès International de Minéralurgie, qui a permis à cinq cent cinquante minéralurgistes (issus de 40 pays) de se retrouver à Stockholm du 5 au 10 juin 1988, peut être considéré comme un succès pour son excellente organisation, l'importance de son public, le nombre et la qualité des exposés, la chaleur de l'hospitalité scandinave.

Une nouveauté, l'existence de quatre sessions parallèles, l'une plénière utilisant les quatre langues officielles et trois parallèles uniquement en anglais a permis à la fois d'accepter un grand nombre de communications (166) et aussi d'entamer des débats autour des sujets exposés. L'inconvénient était la nécessité de se déplacer d'un amphithéâtre à l'autre pour essayer, sans toujours y parvenir, de suivre l'ensemble des communications sur le ou les thèmes de prédilection de chacun.

Il faut noter l'absence quasi totale de communication sur l'or (mise à part une synthèse présentée par Woodcock) ou sur les colonnes de flottation, deux thèmes minéralurgiques très importants auxquels sont consacrés des congrès entiers outre-Atlantique ; les minéraux industriels n'ont pas non plus été très présents (en particulier rien sur les charbons, peu de choses sur les phosphates), de même que les techniques hydrométallurgiques.

Que retenir comme impressions techniques générales de ce congrès où publications d'universitaires et d'industriels semblent avoir été assez bien équilibrées :

— la percée du thème **Modélisation, simulation et contrôle**, insuffisamment traduite par le nombre de communications (25) strictement classées dans ce chapitre, mais dont l'esprit imprègne d'autres exposés : les aspects broyage, libération minérale, cyclonage, traitement gravimétrique et flottation sont l'objet de nombreux travaux de modélisation. L'introduction encore très modeste des « systèmes experts » dans la conduite des usines apparaît dans trois communications ; la conduite automatique est l'objet de deux autres communications ;

— l'importance des travaux qui se réalisent toujours sur le thème « **comminution** » (dimensionnement des gros broyeurs, aspect, usure des corps broyeurs, rhéologie, relations entre broyage - libération - propriétés de surface - flottabilité, présentation d'équipements nouveaux spécialement destinés au broyage fin ou un concassage fin comme la presse à rouleaux Humboldt) et la nécessité de les poursuivre, compte tenu de la lourdeur des pertes énergétiques qui y sont liées ;



— les aspects **connaissance du minéral** (libération, changements texturaux induits au cours des traitements, devenir des mixtes) ne sont pas négligés et le couplage MEB-Analyseur d'image fournit de nouveaux outils pour leur étude ;

— un grand souci d'**amélioration des coûts** apparaît dans de nombreuses publications, par exemple dans la mise au point des nouvelles matières filtrantes imperméables à l'air, soit en céramique (VALMET), soit sous forme de membrane synthétique microporeuse (Université de Karlsruhe) permettant d'obtenir une humidité des gâteaux comparable à celle atteinte par filtre-pressé continu (le filtre Valmet est industrialisé, notamment sur des concentrés de flottation de pyrite) ;

— un souci également d'**amélioration de qualité** (minerais de fer, par exemple) ;

— en flottation, on notera l'absence de consensus sur les questions d'extrapolation de résultats entre les échelles « labo-pilote - industriel » et l'insuffisance des connaissances dans ce domaine que cela trahit ; il apparaît en revanche un large consensus sur l'extrême importance du contrôle chimique de la phase aqueuse pour la conduite de la flottation. Plusieurs appareils (dont le Pirana du BRGM) travaillant au niveau laboratoire ou industriel permettent les analyses nécessaires. Un besoin de recherches apparaît également dans l'influence des additifs de réactifs sur les cinétiques de flottation ;

— la **floculation sélective** maintient ses positions dans les minerais de fer ;

— on note encore des progrès dans le domaine des **séparateurs magnétiques**.

Le congrès était précédé par des séminaires portant en particulier sur l'échantillonnage (P. Gy et F. Pitard), sur l'informaticque minéralurgique (J. Herbst) et sur la flottation classification pneumatique (K. Leschonski).

Enfin, trois excursions étaient proposées aux participants à la fin du congrès (Nord de la Suède, Norvège et Spitzberg ou Finlande).

G. MORIZOT

Déglaciation würmienne

Depuis près d'un siècle, la préoccupation des quaternaristes étudiant les phénomènes glaciaires visait essentiellement à dater les avancées et les retraits des glaciers. En l'absence d'éléments fournissant un âge définitif à partir des moraines, dépôts glaciaires par définition, les chercheurs se sont appuyés sur diverses données indirectes (archéologie, palynologie, événements périglaciaires, sédimentologie, relations stratigraphiques). Les bonnes concordances obtenues entre les courbes paléoclimatiques des domaines marin et continental ont favorisé des généralisations excessives, notamment en les appliquant aux oscillations glaciaires d'Europe méridionale. C'était sans compter suffisamment sur de nombreuses lacunes sédimentaires (hiatus, érosion) caractéristiques des dépôts continentaux, ni sur les véritables superpositions stratigraphiques observées sur le terrain.

Aussi, l'Association Française pour l'Étude du Quaternaire a organisé à Chambéry (Université de Savoie), du 11 au 15 mai 1988, des journées scientifiques regroupant 58 chercheurs, sur le thème « **Modalités et chronologie de la déglaciation würmienne dans l'arc alpin occidental et les massifs français** », comprenant un colloque en salle et quatre journées d'études sur le terrain.

Colloque

Sous la présidence de J. Sommé, 10 communications traitant des Pyrénées, du Massif central français, du Jura et des Alpes occidentales franco-suisse ont été exposées. Chacun a pu avancer les arguments directs ou indirects utilisés pour fixer le cadre chrono-stratigraphique de son domaine de recherche. Des propositions relativement convergentes ont été avancées concernant un retrait généralisé des glaces dès 34 000 BP dans un grand nombre de secteurs (Pyrénées, Alpes du Nord, Massif central, ...). Une certaine discordance s'est fait jour entre le cadre chrono-stratigraphique généralement admis et la plupart des résultats nouveaux. Il ne semble pas y avoir parallélisme entre les amplitudes des variations

paléoclimatiques déduites des longues séquences marines ou continentales et celles des extensions des glaciers étudiés.

Quant aux modalités de la déglaciation, elles ont bien sûr confirmé l'existence d'épisodes matérialisés par des fronts morainiques en retrait de l'extension maximum et souligné l'importance de la notion de sédimentation lacustre autour des glaces en fusion et dans les bassins déglacés.

Des difficultés sont apparues dans l'emploi du vocabulaire, spécialement relatif aux phénomènes glaciaires qui, effectivement, est peu précis et pauvre. Elles ont rendu les débats animés et vifs.

Journées d'étude sur le terrain

Deux journées ont été plus particulièrement consacrées à l'illustration des propos du colloque avec la visite des séries quaternaires de l'Avant-pays savoyard entre Grésivaudan et Haut Rhône.

Une troisième journée a été dédiée aux grandes séries de la région grenobloise. Le plateau de Champagnier montre un épisode morainique (Cap Marcelline) qui viendrait s'intercaler entre les argiles d'Eybens et les alluvions grossières du plateau.

Une dernière journée, dans les Bauges, a proposé une découverte du Quaternaire d'un massif subalpin cerné par les grands courants glaciaires rhodaniens et isérois. Les traits caractéristiques des érosions glaciaires y sont bien conservés (verrous, ombilics, encoches de verrou, ...).

Ce colloque et ces journées de terrain n'ont bien sûr pas défini un calendrier du retrait glaciaire würmien dans l'Arc alpin occidental et les massifs français, mais ils ont rappelé aux quaternaristes que les faits de terrain, bien que loin d'être tous maîtrisés, sont les éléments primordiaux de toute argumentation.

Un numéro spécial du *Bulletin de l'AFEQ* (n° 2-3, décembre 1988) publie les résultats exposés au colloque.

Gérard NICOU
et Guy MONJUVENT

PALYNOLOGIE

Le VII^e Congrès international de Palynologie à Brisbane (Australie), 28 août-3 septembre 1988, a rassemblé 250 participants, 70 australiens, représentant une quarantaine de pays.

Le programme a été organisé autour de 32 thèmes qui ont fait l'objet de symposium particuliers. A l'exclusion des posters peu nombreux, il n'y a pas eu de session générale. Les thèmes

majeurs qui ont marqué ce Congrès concernent, par ordre d'importance ;

La Palynologie cénozoïque circum Pacifique

Dans ce symposium ont été présentés pour la première fois des résultats sur des sites en Chine. La comparaison entre des séquences marines et continentales, correspondant à un cycle

climatique complet pour le Pacifique nord, l'Australie, en constituant les aspects les plus remarquables. Pour l'Holocène, les nombreuses données de Nouvelle-Zélande, d'Amérique du Sud et de l'Antarctique apportaient une vision d'ensemble de l'Hémisphère sud, complément indispensable à l'heure des reconstructions climatiques globales.

Les relations entre la palynologie et la lithologie

Ce thème apparemment classique revêt un intérêt tout particulier et moderne par suite de l'utilisation de la palynologie marine dans les reconstitutions paléoclimatiques. Le signal pollen étant utilisé dans des séries paléoclimatiques afin de vérifier le « forçage astronomique », il devient fondamental de mieux comprendre le mode de sédimentation des pollens en milieu lacustre et marin ainsi que leur conservation. Durant le Congrès de Brisbane ont été présentés des travaux pionniers intégrant des dispositifs expérimentaux, des modèles mathématiques, etc. L'impact scientifique de ces résultats est attendu dans les prochaines années.

L'utilisation des Dinoflagellés en biostratigraphie

Ce domaine nouveau, animé par une jeune génération, effectue des progrès marquants, apportant un outil indispensable aux études de paléoenvironnement marin. C'est un domaine dans lequel la collectivité française est sous-représentée. 27 communications traitaient non seulement de l'application à la stratigraphie, notamment du Crétacé, mais aussi de la morphologie à la lumière des théories récentes de l'évolution.

La Palynologie stratigraphique

— Limite Crétacé-Tertiaire, l'utilisation des pollens pour la stratigraphie du Crétacé ainsi que les problèmes de limite ont reçu une attention particulière.

Les Palynoflores du Gondwana ont fait l'objet de nombreux travaux de la part des chercheurs australiens. Signalons plusieurs ouvrages de synthèse présentés à l'occasion « *Paleopalynology* » de A. Traverse, 1988, un ouvrage remarquable de 500 pages et le Mémoire n° 5 de l'AAP « *Palynological and Palaeobotanical Studies in honour of Basil E. Balme* » traitant à la fois des « Pollens et des Dinoflagellés ».

Les communications relatives à la palynologie du Tertiaire ont été réparties entre trois thèmes (Tropical, Aride, phytogéographie climatique), ce qui n'a pas permis une vision d'ensemble des problèmes climatiques.

Palynologie et climat

Les communications relatives à la Palynologie de l'Holocène et aux reconstitutions climatiques étaient centrées sur l'Hémisphère sud avec un impact particulier sur les îles, l'Indonésie, la Nouvelle-Zélande. On notait la rareté des synthèses régionales ou des études avec impact sur les modélisations paléoclimatiques. Cet aspect avait été très abondamment documenté et discuté par les palynologues au Congrès de l'INQUA à Ottawa en 1987 (Géochronique, mai 1988).

Sans oublier les communications ayant trait à la morphologie pollinique, à la biologie qui fournissent les renseignements indispensables à la garantie scientifique d'une bonne systématique, c'était un Congrès de bonne qualité scientifique. Fournir l'occasion de rencontres biologistes-géologues en est aussi le mérite.

Décisions

Le nouveau Président de la Fédération Internationale des Sociétés de Palynologues (IFPS) est H. VISSCHER, professeur à l'Université d'Utrecht. La candidature de la France a été retenue : le prochain congrès international de Palynologie aura lieu à Aix-en-Provence en 1992.

A. BONNEFILLE

OSTRACODA

Le dixième symposium international sur les Ostracodes s'est tenu à Aberystwyth (Pays de Galles, Grande-Bretagne), du 25 au 30 juillet 1988 sous l'égide de l'International Research Group on Ostracoda (IRGO). Ce colloque, organisé par le Professeur R.C. Whatley (University College of Wales, Aberystwyth) avait pour thème principal « *Ostracoda and Global Events* ». Environ 140 participants, représentant une quarantaine de pays y assistèrent : 65 communications furent présentées avec pour thèmes :

- Ostracodes et événements globaux,
- Biologie et génétique,
- Mer profonde,

- Écologie,
- Paléoécologie,
- Biostratigraphie,
- Zoogéographie-Paléozoogéographie,
- Évolution,
- Morphologie et systématique.

Parallèlement aux présentations orales, de nombreux posters furent exposés sur des thèmes variés.

Le prochain Symposium (le onzième) devrait avoir lieu dans trois ans en juillet 1991 à Canberra (Australie), selon l'invitation de K.G. McKenzie (Université de Wagga Wagga).

J.-P. COLIN

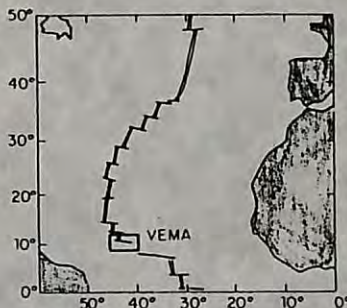
CAMPAGNE VEMANAUTE

Première exploration d'une grande fracture océanique

Du 13 août au 16 septembre 1988 s'est déroulée la campagne Vemanaute sur le N.O. Nadir. Son objectif était l'étude géologique in situ, à partir du sous-marin Nautile, de deux secteurs choisis de la zone de fracture Vema dans l'Atlantique Équatorial.

La zone de fracture Vema est une grande fracture qui décale la dorsale médio-Atlantique de manière sensée sur une distance de 320 km dans sa partie active, alors que le mouvement connu par la sismicité et les données géophysiques, le long de cette partie active, est dextre. Au point de vue morphologique, la fracture Vema est caractérisée par deux murs encadrant une vallée médiane de 5 100 m de profondeur moyenne et de 10 à 20 km de large. Le mur nord est dénivellé d'environ 2 000 m par rapport à celle-ci, tandis que le mur sud peut atteindre plus de 4 000 m de décalage, formant ainsi une structure anormalement haute appelée « ride transverse ». Dans sa partie orientale, au niveau de l'intersection avec la dorsale médio-océanique, la vallée médiane est remplacée, sur une longueur d'environ 100 km, par un massif médian séparé des murs de la fracture par deux fossés. Le domaine d'intersection est lui-même constitué par un profond bassin de forme triangulaire, caractéristique de l'intersection de certaines grandes zones de fracture et de la dorsale et connu sous le nom de bassin nodal.

Cinq plongées ont été consacrées à la réalisation de deux sections complètes du mur sur la zone de fracture à 42°42' W. Elles montrent une coupe continue et pratiquement complète de la croûte océanique et du manteau supérieur, puisqu'on a observé à l'affleurement la succession péridotites, gabbros, complexe filonien et laves, sur une épaisseur globale d'environ 3 000 m. C'est la première fois qu'un complexe filonien aussi bien développé a pu être décrit dans l'océan. Nos observations confirment l'idée parfois rejetée que les zones de fractures peuvent, dans certains cas, exposer une coupe complète de la croûte océanique.



Les quatorze autres plongées ont eu pour objet l'exploration du mur nord, du massif médian, du mur sud au niveau de l'intersection, du bassin nodal et de la zone actuellement active de la fracture. Le mur nord montre une section complète de la croûte océanique et du manteau supérieur, mais d'épaisseur réduite, et présentant une forte altération. Le massif médian montre à l'affleurement essentiellement un assemblage de brèches tectoniques et sédimentaires témoignant de l'intense activité tectonique l'ayant affecté tout au long de son histoire. Cependant, on trouve dans les éléments de la brèche et sur certains affleurements localisés, tous les termes de la croûte océanique et du manteau supérieur. Le mur sud est constitué de basaltes et de brèches basaltiques hachés par des failles relatives à la fois aux domaines dorsale, zone de fracture et bassin nodal. Ce dernier est lui-même constitué uniquement de basaltes et est recoupé dans sa partie médiane par une ride néovolcanique active. Enfin, nous avons pu suivre sur près de 25 kilomètres la faille sur laquelle se localise l'activité actuelle de la zone de fracture Vema. Elle se situe au sud du massif médian à l'ouest, et se poursuit vers l'est sur le bord nord du bassin nodal.

En résumé, la campagne Vemanaute apporte une quantité d'informations nouvelles sur la structure et le fonctionnement d'une grande zone de fracture océanique. Pour la première fois, a pu être observée sur le mur de la fracture Vema la succession complète des termes du manteau supérieur et de la croûte océanique.

J.-M. AUZENDE

L'équipe embarquée. J. Malavieille (USTL-CNRS), D. Bideau (Ifremer-CB), C. Mevel (Université Pierre-et-Marie-Curie-CNRS), V. Mamaloukas-Frangoulis (UBO), M. Cannat (UBO-CNRS), J. Honnorez (Université de Strasbourg), J.-M. Auzende (Ifremer-CB), E. Bonatti (Lamont-USA), Y. Lagabriele (Université de Nice-CNRS).



TO Dr Traverso

DATE 6/15 TIME 4:20

⁸⁹
WHILE YOU WERE OUT

M. Martin Farley

Of _____

Phone 202-357-4479

TELEPHONED PLEASE RETURN CALL

CALLED TO SEE YOU WILL CALL AGAIN

RETURNED YOUR CALL RUSH

MESSAGE re

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The Standard Register Company

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

10 April, 1989

Dr. Dale Wampler
Acting Dean of Academic Affairs
Juniata College
Huntingdon, PA 16652

Dear Dr. Wampler:

Dr. Martin B. Farley, a recent Ph.D. student of mine, now a post-doc at the Smithsonian, tells me he has applied for the paleontology-stratigraphy-sedimentology position in Juniata's geology department. (As you know, I also have written you to usupport Dr. Pamela Gore's application.)

Farley is well known to the incumbent in the position, Pete Trexler, from contacts here and in the field. Martin is undoubtedly the most talented intellectually of any of my graduate or undergratuate students in 23 years of teaching here. He earned a 4.0 at PSU as an undergrad (I was his adviser), even getting an 'A' in phys. ed! He is an excellent and resourceful mathematician, a keen field geologist. He is well informed on all sorts of matters, including many fields well outside of geology. He is a good speaker and a good teacher. He was my coordinator for historical geology and later co-taught and helped me develop a course in paleobotany. At Juniata he would even be an enthusiastic booster for your athletic teams and other activities, as well as a good classroom man. He has a strong bent for research--especially in mathematical studies of geologic data, and I would imagine that he will want to do research for publication at Juniata to the extent he can. Fortunately, this work does not require enormously expensive instrumentation. Martin is so broadly trained that I am sure he could teach any course in geosciences Juniata offers, and could develop new ones, though in geochemistry and geophysics he would have to do some digging! He could also teach statistics and other mathematical subjects.

Farley is a rather free spirit in some ways. He seems to some people very unconventional, and it is true that he may challenge the fondly held opinions of others, although always in a spirit of goodwill and fair play. I would think the Juniata family would regard this as acceptable and stimulating. Farley's father is a just-retired professor of computer science at Temple, so Martin is an "academic brat" and knows the ropes at colleges and universities. Incidentally, he is a keen committee-man, having served on many such at Penn State as student representative.

I recommend Martin to you heartily. It is hard to chose between him and Pam Gore or to compare them meaningfully. Gore has some seniority on Martin and thus more teaching experience. On the other hand, Farley is a broader person. Both will continue research interests and both will seek funding for research. Martin is as yet unmarried, but has family ties all over Pennsylvania. The Gores are less complex people and would settle in Huntingdon unquestionably. Martin is a scientific superstar, and there is some risk that he will be "called higher" after a time.

Thanks for reading.

Yours very truly,

Alfred Traverse
Professor of Palynolog

AT/et

Department of Paleobiology,
MRC164
Smithsonian Institution
Washington, D.C. 20560
(202) 357-4479
22 March 1989

Alfred Traverse
R.D. 2, Box 390
Huntingdon, Pa. 16652

Dear Alfred:

Here's a list of things to use in rebutting the arguments for more "Quaternary" concerns in the Sedimentation book:

1. Rich will cover Pleistocene peats. His interests cover peats mostly larger than the typical Quaternary peat bog, but the principles are more or less the same.

2. Large lakes receive palynomorphs in just the same way as do oceans, so Brush, Heusser, and Mudie will more than adequately cover the marine-estuarine end which will also cover large lakes (e.g., the Great Lakes).

3. Small lakes are different from large lakes, but small lakes with no connection to the drainage network (as in kettles) are of little importance in the pre-Quaternary record (pre-Quaternary ponds are channel cutoffs generally). Kettles do receive most of their input from the air, but these effects are very well known (see below). Pollen sedimentation in small ponds is actually quite similar to the situation in marsh prairies, which I am sure Rich will discuss.

4. Pollen preservation in soils is important, but Bryant & Holloway are covering this. With a little encouragement they could cover soil content in non-arid soils (e.g., Andersen's work).

5. Understanding the transport modes of different palynomorph taxa depends on understanding the sedimentary framework in which the samples are taken in just the same way as adequate biostratigraphy depends on lithostratigraphy. I don't see how multivariate statistics can separate local from transported or air from water transported in the absence of sedimentologic information or a priori assumptions about what is local (and who needs statistics if you're going to assume the answer).

6. Quite a bit has already been published on Quaternary pollen deposition by Bradshaw, Prentice (e.g., 1985, Pollen representation, source area, and basin size: toward a unified

theory of pollen analysis: Quaternary Research, v. 23, p. 76-86), Birks and Birks' book, Birks and Gordon, M.B. Davis, etc. To the extent these people have worked on field situations (and some theoretical work is included too), then their research is included in my annotated bibliography.

Quaternary palynologists may have the upper hand at least in academia at the moment (greenhouse effect is a boon for Quaternary funding: the International Geosphere-Biosphere Program has a subsection on "Global Changes of the Past" that covers the last 150,000 years only), but I see no reason that we should consider that what is typical for the last 2 million years at most should be concentrated on in a book about palynomorph sedimentation in general.

Sincerely yours,

Martin

P.S. I enclose photocopies of a couple of recent Post clippings for your amusement.

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

13 March, 1989

Dr. Martin B. Farley
Dept. of Paleobiology, MRC 164
Smithsonian Institution
Washington, DC 20560

Dear Martin:

Gosh, that (5.III.89) was a bad-news letter! I am stunned by the failure of the post-doc campaign--totally unexpected by me. Back to the drawing board, as you say. You're right about the Pitt job--it's for Cathy (she wrote me about it when I was appointed "honorary curator" at Carnegie--I can now get a discount in their cafeteria and museum shop). As far as a proposal here is concerned, I believe you'd have a better chance with Eric Barron than with me. I am not sure I'll ever get another grant. The reasons are obvious. What I think you should do is apply at once for the Juniata job, laying heavy emphasis on your competence as a general paleontologist. Of course, I have already recommended Pam Gore when I thought you were settled, but I can handle why I recommend you too. The person to bombard is: Dr. Dale Wampler, Acting Dean of Academic Affairs, Juniata College, Huntingdon, PA 16652. The job is advertised as for paleontology, biostratigraphy, sedimentology, historical geology.

Other matters, ad seriatum from your letter:

1. "That-which"--it's really a very confused business, and Serge's complaint (not expressed to me) is pedantic (weakly supported by USGS' pedantic writing guide).
2. I am in trouble about the book. The three reviewers for Cambridge demand that a lot of stuff be added about "Quaternary" concerns--peat bogs, etc. I'm fighting it, as that is a different matter. But maybe I should just try to get E. S. Leopold or somebody to do a chapter?
3. Too bad I have to get DiMichele's criticisms second-hand. Sounds as if he is reacting to side-issues, not the main thrust per the title.
4. Many thanks for all the papers you sent.
5. Carmen told me you were coming. It will be good to see you.

6. Don't worry about DJN thesis. It's a mystery--but I am charged with it and it isn't on the shelf where it belongs.

7. Many thanks re mistakes in Paleopalynology. Jansonius has done a very damning review for Elsevier that notes others. I acknowledge the errors, but resent the fact that his review does not recognize that the announced purpose of the book is to be a basic college text. He has never taught a course in his life, as far as I know. The book is not a reference work. That doesn't excuse errors, of course. Re "sporomorph"--reviewers pre-pub. gave me a hard time about it and caused me to go easy on the word. DJN, for example, hates it.

8. Details about your chapter can await solution of the where-to-publish question.

Guess that takes care of it for now. See you soon.

Yours very truly,

Alfred Traverse

AT/et

Department of Paleobiology,
MRC164
Smithsonian Institution
Washington, D.C. 20560
(202) 357-4479
5 March 1989

Alfred Traverse
435 Deike Building
University Park, Pa. 16802

Dear Alfred:

Some notes:

- 1) Serge Mamay looked over my copy of Paleopalynology. He thought it looked interesting and useful, but in his opinion the first sentence of the Preface contains a grammatical error. In his view, "that" should have been used instead of "which".
- 2) England Finders are available in this country from Bunton Instrument of Rockville, Maryland. The current cost is \$95. (When the cost reaches \$300, you will no longer be able to use them because attaching the Penn State equipment sticker will cover up most of the slide.)
- 3) Dick Eyde, having finished with Cornus (his paper is in one of last year's Botanical Review's), is now taking up Nyssa. He has commented unfavorably to me on the nomenclatural mess that is fossil Nyssa-like pollen. I told him that there are so few palynologists who do public research that systematic revision of nightmares like Nyssa aren't very high on the priority list. I also pointed out your discussion of the use of modern generic names for Cenozoic pollen in your textbook (which has just arrived in the Smithsonian Library). He was happy to find a recent reference for your views; I gather he is not part of the minority that adheres to your views on the matter.
- 4) If you are considering alternate titles for the book (I think that "Sedimentation of Organic Matter" is misleading [sounds almost oceanographic], since there is much organic matter that this book doesn't cover), maybe "Sedimentation of Plant Debris" or "Sedimentation of Plant Particles" would be better. The term "palynomorphs" does sound esoteric but it is accurate.
- 5) Bill DiMichele's reaction to your Historical Biology paper is that like many others (Knoll's writings, for instance), you fail to consider the interactions (like ANOVA interactions) between physical factors and competition. In his view, it is not sufficient to show lack of effect of physical events (like meteorite impacts) in order to conclude competition is supreme among plants. Bill feels this way at least in part because his work in the Carboniferous has convinced him that climate change is the driving force for evolutionary change then. For example, extinction for all practical

purposes of the arobrescent lycopods in the mid-Pennsylvanian results from climatic drying according to Bill.

6) I enclose copies of my translations (and of the original articles) of two more Russian papers on modern palynomorph transport and deposition, and one with a published translation for your use. One thing, if nothing else, that Vronskiy's work has impressed me with, is how relatively unimportant fluvial input of water (let alone palynomorphs) is to the "Southern seas of the USSR" (Caspian, Azov, Aral, and Black). The aridity of the surrounding terrain is also made manifest by his comparison (in the 1979 paper) of the "pollen rain" onto the Azov, Aral, and Caspian with that calculated by Groot and Groot for the western North Atlantic. Vronskiy calculates "pollen rain" about 10^{17} grains per summer, whereas G&G calculate about 10^{19} . That is quite a difference.

7) I may come up to State College to visit Carmen some weekend in lateish March. If I do, I'll let you know and perhaps we can get together to talk.

8) Offhand, I don't know why you would have signed out Nichol's dissertation from the program office in 1985. Presumably you knew where your copy was (I think Carmen had it officially signed out from you most of the time), and you could have retrieved it. At the same time, if I wanted a copy and for some reason Carmen had your copy out somewhere, then I could have signed the program copy out myself. I don't suppose Carmen or Betty have any bright ideas. I will continue to think about the matter, and maybe I'll have a brainstorm.

9) I don't know if you've seen the ad, but Pitt is advertising a halftime faculty position in Tertiary/Quaternary palynology. This looks to me like a setup for Cathy Barnosky to get some part time salary support. There is no point to letting her off without any competition, so I will round up the usual materials and ship them off.

In my reading of Paleopalynology, I have found some typos and a couple of other things you should know about. In case they've not been brought to you attention before, here they are:

page

- | | |
|-----|---|
| 20 | Muller (1981) is not a special issue of Botanical Review, but is 47: 1-142 (i.e., all of volume 47, no. 1). |
| 53 | 3rd paragraph, line 2
"IN=gametophytic" should be "1N=gametophytic". |
| 59+ | Why not discuss sporomorph here? It is in the glossary but not the index. Why not use it rather than the awkward "spore(s)/pollen"? |
| 63 | Fig. 5.3
Why are "O"'s in bold face and other letters in Roman? |
| 120 | 1st and 2nd lines
"1.4 billion (10^9) years old" is confusing (suggests 1.4 billion = 10^9); would be better as "1.4 billion (1.4×10^9 years old" |

- 146 Legend of Fig. 7.2
e) what is the purpose of the left parenthesis before Strother? There seems to be no corresponding right parenthesis.
- 150 Fig 8.2
It seems a pity you couldn't have extended the ranges as appropriate in Chaloner's chart.
- 311 The flower that produces Pistillipollenites is not in the Gentianaceae; I have known this for quite a while because both Daghlian and Wing told me. Wing and Daghlian have submitted an abstract for AIBS in Toronto that will be the first published word on this. Wing isn't sure to which family the flower can be assigned; it is possible the answer is no extant family.
- 587 Palynofacies entry in Index
Subdivisions (Archaeological, etc.) don't belong to palynofacies; perhaps they should go with "palynology" (which oddly enough lacks an Index entry).

I have a reasonable draft of my paper for the book, but I need to have some guidance on precisely what work on palynomorph concentration to review. It seems most straightforward for me to cover only work on palynomorph concentration in nonmarine settings. I assume that work on marine concentrations will be covered by Traverse (Trinity River paper), Heusser, or Mudie. In the paper, I discuss my results in relation to Darrell, Muller, and Schuyler as they have results comparable to the environments in my work. Based on my bibliography, there are some other modern concentration studies, mostly on lakes (not directly comparable to my work) to include. I do not have a very complete list of pre-Quaternary nonmarine concentration analyses; such work is not that common. If you have any suggestions for papers in this category, I would be glad to hear them.

I would like to thank you again for your help for the NRC postdoc proposal, both your writing the letter of reference and for finding out about Lauren's letter. It was, however, all in vain as I received a letter Friday that the Postdoctoral Research Associateship Committee of the USGS in Reston turned down my application. I got a copy of the paperwork; Doug wrote glowing things about the proposed project, its place in their plan of nonmarine basin research in Denver, and me. The Committee in Reston wrote in its comments, "The proposed problem is remarkably similar to work in progress by the applicant through the Smithsonian Institution. Although the problem is worthwhile, its support by Smithsonian is established, and its long-term objects cannot be supported by the USGS as Program Center." The first sentence is more or less true, because many of my ideas for the NRC proposal arose out of my work here, although the proposed NRC work (distinctly ecological) is actually somewhat closer to my dissertation research (the Smithsonian work is really paleoclimatological). Smithsonian support is "established" in

the most tenuous of ways (the only way to have truly "established" funding sources today is to be independently wealthy). The last half of the second sentence seems unrelated to everything else; to me, it sounds like a catch phrase for "we aren't interested in anything the applicant wrote, we just needed a high-sounding excuse to turn it down." It is not clear to me what the proposed problem's long-term objects are or how they offend the USGS. Doug told me that last year the USGS hierarchy shot down most if not all the NRC proposals. If the USGS is unwilling to support (fund) the NRC program, why don't they just withdraw from it?

While I still have some faculty applications out, I am considering methods to generate soft money for my future support. At the moment, I am in an awkward position because I can't use the Smithsonian as a base to apply to most funding agencies. This brings me to the possibility of submitting a proposal with you at Penn State to either NSF or the Petroleum Research Fund. This is not my idea of the ideal situation for me, but ideals and reality don't meet very well today. I would appreciate your perspective on this, and how we might go about doing this.

Sincerely yours,

Martin

Martin B. Farley

I've also included the first page of an article on the type specimens (paleobotanical) at the Phila. Acad. of Nat. Sci. which you may not have seen.

Say hello to Betty and the gang for me.

rel.
to A.J.

Discovery Aug 58
2 files to xerox
(Dinosaur nests,
Vanotyrannus)



Systematics, Palynological, new approaches

Price, P. L. J. Filatoff, 1983,
ZIPC Abstracts, p. 134
(+ notes)

Punctation, etc., Palynological

Wicksteed, D. J., 1958
as above, p. 121 (+ notes)

Angiosperm evolution, palynological
evidence (Caytonia?)

Krassilov, V. A., 1958
as above, p. 86 (+ notes)

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

file Farley

Associateship Programs (GF 1 424)
National Research Council
2101 Constitution Avenue, N.W.
Washington, DC 20418

Dear Friends:

I am writing in support of the application of Dr. Martin B. Farley for your Research Associateship Program. Dr. Farley is a very unusual person--extremely talented, as is obvious from my enclosed evaluation, and outstanding in other ways as well. He is a really extraordinary mathematician--for a paleontologist almost unheard of. His interests in and beyond science are very diverse--he has an encyclopedic knowledge of the literature. His background in both botany and geology is more thorough than that of any paleobotanist I know of. If he has a fault it is that his diverse interests may cause him to spend too much time on what turns out to be a side-issue, but that is worth risking. He has all the know-how and technical ability to do an excellent job with the described project. Farley and the proposed co-workers will work together very well. The area of the project seems to me to be one of the "hottest" in palynology.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

To be of value this Report
must reach the NRC by
15 February 1989

NATIONAL RESEARCH COUNCIL
RESEARCH ASSOCIATESHIP PROGRAMS

Reference Report

Name of Applicant Martin Birtell Farley
first middle last or family
Research Field Paleobotany
Federal Program(s) U.S.G.S./Denver, Colorado
Name and title of Respondent (printed) Alfred Traverse Professor of Palynology

Copy the abstract from the Research Proposal submitted to the NRC with the Application. Applicants applying in more than one program with *different* Research Proposals should copy each abstract and identify the program to which each refers.

I propose to investigate how palynofloras vary in single lithofacies over short lateral distances in Paleogene Bighorn Basin (Wyoming) sediments. This analysis of lateral variability includes four subareas: changes laterally in single swamps; variability among pondfills in a local area at one stratigraphic level; palynology of transient swampy areas on the floodplain; and palynology of carbonaceous A horizons of paleosols in the oxidized floodplain. Results will contribute to Paleogene plant paleoecology, particularly what plants produce the palynology of various sedimentary environments and the patchiness of this vegetation; to increased biostratigraphic precision; and to knowledge of Bighorn Basin evolution.

Applicant should complete portion above.

NOTICE TO RESPONDENT

Before signing this report, please check one of the blocks below. Your response here is necessary in the event that the applicant requests information from his/her file.

1. My preparation of this reference report is conditioned on the promise of the NRC to hold my *identity* in confidence. I further ask the NRC to maintain the confidentiality of these *comments* to the extent permitted by law.
2. My preparation of this reference report is *not* conditioned on the promise of the NRC to hold my *identity* or *comments* in confidence.
3. My preparation of this reference report is conditioned on the promise of NRC to hold my *identity* in confidence. I do not ask NRC to hold my *comments* in confidence.

Respondent's reply:

1. Describe the capacity in which you have known this applicant (check as many as apply).
 as an undergraduate as a teaching assistant as my thesis advisee
 as a graduate student as a research assistant as a professional colleague by reputation only
2. I was acquainted with the professional work of the applicant from Sept. 1976 to present
month and year month and year
3. I had an excellent good..... fair..... poor..... opportunity to observe the quality of this person's professional work.
4. The applicant's major function was research , teaching , administration of research.....
other (specify) as undergraduate and graduate advisee
5. If the applicant is a student, how does he/she compare with students currently in your department? Farley
was the best student to come here in geology
in a quarter-century. (over)

6. In comparison with other scientists and engineers of similar training and experience, what is your evaluation of the applicant with respect to these general characteristics?

Motivation
 Technical/scientific maturity
 Imagination
 Self-reliance
 Knowledge of fundamentals in this field
 Skill in experimental design
 Mastery of current research techniques
 Ability to make sound scientific judgments
 Ability in self-expression

BELOW AVERAGE	AVERAGE	SOMEWHAT ABOVE AVERAGE	GOOD	UNUSUAL	OUT-STANDING	TRULY EXCEPTIONAL
Lowest 40%	Middle 20%	Next 15%	Next 15%	Highest 10%		
						✓
						✓
						✓
						✓
						✓
						✓
						✓
						✓
						✓
						✓

INADEQUATE OPPORTUNITY TO OBSERVE

I don't think this can be eval.

7. In comparison with other scientists and engineers of similar training and experience, what is your evaluation of the applicant with respect to overall scientific or engineering ability?

BELOW AVERAGE	AVERAGE	SOMEWHAT ABOVE AVERAGE	GOOD	UNUSUAL	OUT-STANDING	TRULY EXCEPTIONAL
Lowest 40%	Middle 20%	Next 15%	Next 15%	Highest 10%		
						✓

INADEQUATE OPPORTUNITY TO OBSERVE

8. Make any other comments which you think might be helpful to the NRC Associateship review panels in assessing the applicant's ability and potential for research in general and for the specific proposal abstracted above. Comment on weaknesses as well as strong points.

Please see a H'd letter.

AS

Signature of Respondent Seferl Thomas Date 26 Jan. 1989

Institutional Affiliation Penn State Univ. Title Professor of

Polymology

Office Telephone

874	863	3419
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RETURN DIRECTLY TO: Associateship Programs (GF 1 424)
 National Research Council
 2101 Constitution Avenue, N.W.

TO AT

DATE 6-1-89 TIME 3:45

WHILE YOU WERE OUT

M. Martin Farley

Of _____

Phone 202-357-4479

TELEPHONED PLEASE RETURN CALL

CALLED TO SEE YOU WILL CALL AGAIN

RETURNED YOUR CALL RUSH

MESSAGE _____

Signed BT

The Standard Register Company

Wanted to talk about his appl.
for another post-doc — this
time w. Nichols et al. in Jenner

THE PENNSYLVANIA STATE UNIVERSITY
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27 January, 1989

Dr. Martin B. Farley
Dept. of Paleobiology, MRC 164
Smithsonian Institution
Washington, DC 20560

Dear Martin:

The package from you was postmarked 13 Jan. but arrived here during my latest foray to Michigan (18-22 Jan.). I am taking care of the "reference report" immediately (well, almost immediately--Celia's little boy is sick and no sitter could be found, so EIT and AT are sharing the sitting today).

The articles from NYT were both appreciated. Thanks. My attitude toward deer is well known to you. You may not have realized that Old Forge is the town near our summer place. I had wondered why there were so many deer there lately. I suppose somebody will start feeding the squirrels, chipmunks and porcupines next. There are already too numerous. I hadn't realized that Huntingdon had taken the laurels for pH from Kane, PA.

Spicer is now corresponding with me, so I knew about Oxford. He is writing a book much like ours on organic sedimentation, but ours will be bigger and more diverse.

The papers for 7IPC are being reviewed. I know because I've been a reviewer.

Re Brandon flora. First of all, you should consult Bruce Tiffney's work (part thesis, part published), as his is the most exhaustive megafossil list. You could borrow the Spackman thesis from Harvard. As far as I recall, the only genus he found that I didn't find as pollen was Persea (the pollen of which has hardly any sporopollenin). But, once again, the places to look are Traverse for pollen/spores, Tiffney for megafossils.

It turned out that the one 423 student still "out" (with a DF) had my personal copy of Nichols thesis. He had just plain lifted it from Rm. 436--I still don't have the book, but I do have a confession! But that leaves the question of the department's copy, which is checked out to me as of 1985 and is not anywhere

to be found. Is it even remotely possible that you have it in some as yet unopened box? The date of borrowing suggests it would have been MBF-related. If not, I am buffaloed. I am sending you the Bebout thesis. Please xerox the parts you need and send it back at your convenience. It is checked out to me.

Thanks for the notes re article for the book. There's a letter on its way to you about status of the book project.

All the best.

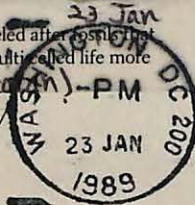
Yours very truly,

Alfred Traverse

AT/et

These soft-bodied creatures are modeled after fossils that represent indisputable evidence of multicelled life more than 570 million years ago. (Ediacaran)

National Museum of Natural History
National Museum of Man
© Smithsonian Institution, 1988



Dear Alfred:

Thanks for the reprint of your Historical Biology paper. It was interesting reading. (I also can see why reviewers comment on your chatty style. I found the paper very readable, however. Better chatty + readable than formal and incomprehensible. I've given up trying to think of an amusing Freudian slip interpretation for "reticulate speculation" (top of p. 292).
Martin

Alfred Traverse
435 Deike
Univ. Pk., Pa. 16802

Department of Paleobiology, MRC164
Smithsonian Institution
Washington, D.C. 20560
(202) 357-4479
12 January 1989

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

Dear Alfred:

I enclose the official Letter of Reference form for the NRC application, a copy of the proposal I am submitting as part of the application, and a current vita for your reference. Thanks for calling Doug for me, and for writing this letter too.

I also enclose a couple of articles for you. One is from the NY Times showing Huntingdon County as the U.S. acid rain leader. I suppose you know about this already, but now that you see it from the Times, you know it's true. I also enclose the clipping from the Times on feeding deer at Old Forge and vicinity. I got this when I was home for Thanksgiving; there was also an article that weekend in the Phila. Inquirer magazine about DuPont's problems with deer overpopulation on the grounds at a South Jersey research park. The gist of that article was that because animal rights activists objected to lead-based population control, DuPont was getting involved in research on deer birth control. There are all sorts of real biological problems in the world today like the destruction of tropical forests and all of their fauna, but saving "cute" pests in North America is, to some people, a much more pressing problem.

Miscellaneous news:

1. I recall I told you in the fall that Bob Spicer was moving from Goldsmith's College, University of London to Cambridge University. I got it slightly wrong. He is moving (actually, by now, moved) to Oxford. Those British schools all sound alike.
2. Wilson Stewart is working on a second edition of his textbook, and on this version Gar Rothwell will be co-author.
3. Our visit to Yale went well in mid-December. We got to see what Kirk Johnson is up to. Also David Taylor (Crepet student) is a postdoc there. One of the things Leo is working on is updating Dorf's "Compendium Index of North American Fossil Plants" which Yale acquired when Princeton jettisoned their fossils.
4. No word from Australia yet on the status of our submission to the IPC proceedings.

5. Scott and I are working on comparing the diversity of palynofloras and megafloras of well-controlled geologic settings in the Cenozoic (i.e., both kinds of data from the same localities). One of the cases we have in mind is the Brandon Lignite. I know Spackman's Ph.D. was never published, but is there some convenient way to get a taxonomic list of the woods he found?

6. I now recall that I used Nichol's dissertation in 436 when I was in State College that weekend at the end of September, so it was there at least that late. One possibility if all else fails is that I remember having borrowed a dissertation from (what was in August) Judy's office for this group, and of having subsequently returned it. I feel that that dissertation was Choi's, but maybe it was Nichols (and therefore your copy is wherever those copies have gotten to). In any case, keep in mind lending me Bebout's and Nichols's when convenient (I've added Nichols's to my list because the library just informed me today they got his on Interlibrary Loan as microfilm from the University of Texas). I told the librarian that Penn State lends its theses, but that had no effect. It is interesting to note where copies of your student's work ends up.

7. On a separate sheet for your convenience in filing separately, I have listed some of my thoughts on making your first paper in the Sedimentation volume a synthesis.

Well, I'd best get home to have some dinner. Say hello to Betty and the rest of the gang for me.

Sincerely yours,

Martin

Martin B. Farley

enc

30 Nov 1988

SMITHSONIAN INSTITUTION
NATIONAL MUSEUM OF NATURAL HISTORY
DEPARTMENT OF PALEOBIOLOGY, MRC164
WASHINGTON, D.C. 20560

Ion G. Macintyre, Chairman
Frederick J. Collier, Collections Manager

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE: \$300

Dear Alfred:

Give my many happy (if belated)
returns to Betty.

I've found another interesting
paper for my bibliography in
Chinese on palynomorphs in marine
sediment and water between the
Yangtze Estuary and that of the
Old Yellow (ie, not the current)
River. I'll see how well I can
muddle through with the English
summary and figure captions.

Martin

Fairley



POSTAGE AND FEES PAID
SMITHSONIAN INSTITUTION

BURGESS SHALE DIORAMA, FOSSILS: THE HISTORY OF LIFE. This re-creation of a bottom dwelling
marine community of the Middle Cambrian, about 530 million years ago, complements the new SMITHSONIAN
EXHIBIT of soft bodied animals and plants preserved in the Burgess Shale. PHOTO: Chip Clark.

Alfred Traverse
435 Deike Bldg.
University Park, Pa. 16802

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435 Deike Building
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(814)863-3419 or (814)865-6711

29 November, 1988

Dr. Martin B. Farley
Department of Paleobiology, MRC 164
Smithsonian Institution
Washington, DC 20560

Dear Martin:

In our phone conversation I may have forgotten to thank you for the very helpful book comments.

You're right about the Introduction. It will have to be written last, and assume the content of the chapters themselves. It could be that "Preface" would be a better title. It should avoid duplicating what the chapters cover.

I used "...and other organic particles" so as to include "palynodebris"--cuticle fragments, tracheary bits, organic junk. Let me know if, on reflection, you still disagree. I very much respect your opinions.

Glad to know about applications. I am sure something will eventually work out. I do keep my eyes and ears open to possibilities for you.

Yours very truly,

Alfred Traverse

P.S. Hazel's note about LSU's dying palynology program was fun.

AT/et



National Museum of Natural History · Smithsonian Institution

WASHINGTON, D.C. 20560 · TEL. 202-357-4479

Paleobiology, MRC164

22 November 1988

Dr. Alfred Traverse
435 Deike Building
University Park, Pa. 16802

Dear Alfred:

Here is a copy of my most recent bibliography. There are some more things to go in it, but a new version will be much bulkier as I no longer have access to an IBM Page Printer with proportionally spaced type (on a dot-matrix printer, the current text would run to approximately 45 pages).

My talk went well at GSA. I saw various people including:

- 1) Doug Nichols (he came for one evening bash and for Thursday's talks).
- 2) Farley Fleming (he came Tuesday).

(therefore I don't think any Denver USGS people were at my talk; I didn't see Jack Wolfe at all.)

- 3) Jane Gray who didn't register, I believe, e.g., one day she wore a badge in such a way that the lapel of her blazer covered the name.
- 4) Aureal Cross who looks a little run down, but is otherwise looking OK. He says the prognosis is good (the doctors think they were able to cut it all out).
- 5) Hermann Pfefferkorn. We had a nice chat on various matters.
- 6) Your favorite New York City palynologist, Cindy Kramer. She is apparently looking for a job, although she was vague about when she'd finish. Tony Prave said Habib told him recently she is as close to finishing now as she was 3 years ago.
- 7) Miscellaneous PSU people: Cuffey, Slingerland, Suzanne Weedman. I tried to catch up with Eric Barron but never did.
- 8) Harry Leffingwell. Harry and I had a long talk about how to get palynology back into the mainstream of geology, as we both feel palynology has become isolated. I gather Harry intends to push this as AASP President.
- 9) Chris Maples says hello.
- 10) Paul Strother, Peter Crane, Bill Stein (now at SUNY-Binghamton), Gary Upchurch, Lucy Edwards, Bob Clarke.

I interviewed for paleontology jobs at Indiana University-Bloomington and Nebraska-Lincoln. LSU is also looking for a paleontologist, and even though I know George Hart is there, the ad didn't exclude palynology, so I handed in a vita. I certainly got an interesting reply (see enclosed photocopy). I got leads on a couple of other jobs which I'm following up now. Let me know if you hear of anything.

About the book project:

- 1) I think the title is generally good; I believe it is vital to give the book a title that will get the attention of sed/strat types (e.g., get reviewed in JSP, Sedimentology, etc.). I spent some time before your letter arrived trying out various titles with the sedimentologist in mind; all the candidates were long. Here, however, short is probably better. Quibbles: why the "and Other Organic Particles"? Doesn't "Palynomorphs" include the others? Could the "The" at the start be omitted?
- 2) Possible revised titles for my paper IIA1:
 - a. Palynomorph concentration in fine-scale lithofacies, Paleogene of Wyoming
 - b. Application of Palynomorph Concentration to Analysis of Depositional Environments/Lithofacies
- 3) Section III title: should include modern before "palynomorph sedimentation" as I don't include pre-Quaternary references.
- 4) In response to your point 3 (of 9 Nov. letter). I didn't give you much this summer on the introduction partly because I was in the midst of leaving town, but also partly because it is unclear to me how the introduction will avoid overlap with the information in each of the individual papers (e.g., my review of concentration work). Also how will it differ from the information in Paleopalynology? I really don't know how the introduction fits in. As far as any other work on the volume goes, I've been willing to help but I'm not sure what I could have done as I don't know any publishers and most of the rest was connected directly to the IPC symposium. I am still willing to help but I need some direction.

Haven't digested the papers in Andrew Scott's book (presumably Coals and Coal-Bearing Strata, new version) because the Smithsonian doesn't have a copy yet.

Current plans have most of the paleobotany group here going up to New Haven in mid-December to have an informal conference with Leo Hickey, Kirk Johnson, David Taylor, and any other paleobotanical types available at Yale now.

I hope things are going well for Betty and you, and say hello for me to her and the rest of the palyno-bunch at Penn State.

Sincerely yours,

Martin

Martin B. Farley

MESSAGE TO APPLICANT

TO: Martin Farley
(name) (date)

FROM: Joe Hazel
name

LSU
organization

MESSAGE

We have a dying
paleontology program, but
it is not deal yet, soon,
I think we will be
looking for one, but the
present position we must
fill with someone who
can do the marine rx of
The Gulf Basin, at least in
part working on calcareous
planktonic forms.

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9 November, 1988

Dr. Martin B. Farley
Department of Paleobiology, MRC 164
Smithsonian Institution
Washington, DC 20560

Dear Martin:

It has taken me too long to answer yours of 19 Oct. "Stuifmail" is the official newsletter of the Palaeobotany-Palynology Lab., Utrecht. It has a very low subscription price and is written about 50% in English. Worth it.

Two more xeroxes enclosed for your perusal. Only the AMQUA one is for your biblio.

New home address noted. Hope it's at least as good a pad.

Too bad about making your own distilled water. At home I always have 100-200 gallons around, as I save some of the summer dehumidifier water in plastic milk jugs. A dehumidifier is an excellent source of such water, but they don't work in a cold, or a dry environment (e.g., heated) room of course.

Info requested:

1. rubber gloves--we get from EMS stockroom. No idea where they come from--all scientific suppliers (e.g. Thomas) carry them. However, the rubber gloves for sale in any drug or grocery store are o.k.

2. England finders: Available from the manufacturer (I hope this is still true; haven't ordered one for a long time):
Graticules Ltd.
Sovereign Way, Tonbridge, Kent, U.K. (don't know the zip code).

Re job prospects: I don't think contacting Bill Berggren at WHOI would help. He was very positive about not being interested. So, yes, I would look elsewhere at WHOI. Maybe you could visit there?

Re the book project:

1. Latest very tentative outline enclosed. I'd like comments.

2. I think it would be very helpful for your concentration-chapter to review the subject generally, as well as to present the main high points of your thesis conclusions. I don't really like the title squib I made up for you in IIA1--could you suggest a jazzier version?!

3. As you see, I had picked up when I asked for help in beginning to organize the introduction that I probably would be doing that myself, and I have also in fact done all of the extensive leg work in getting the volume this far along, including some very tough trigger-squeezing here and there.

As I write, I'm off for Michigan again. Ho, hum.

All the best. Please keep in touch.

Yours very truly,

Alfred Traverse

P.S. If you haven't already, you should digest papers (e.g., Fulton) in Scott, A.C., Ed. 1987, Geol. Soc. (U.K.) Spec. Pub. 32.

AT/et

encl: latest revised outline of "book"; xeroxes

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31 October, 1988

Dr. Martin B. Farley
Department of Paleobiology, MRC 164
Smithsonian Institution
Washington, DC 20560

Dear Martin:

Re your annotated biblio--I am using Revision 5, Oct. 1986. If there's a more recent one, perhaps Smithsonian could subsidize a copy for me.

In a letter from Phil Holmes about his chapter, I have picked up two references you should put in your biblio for completeness, viz.: (Sorry about lack of detail--it's all he gives.)

Heathcote, 1978. Differential pollen deposition and water circulation in small Minnesota lakes. Ph.D. thesis, Yale.

Potter, 1967. Differential pollen accumulation in water tank sediments and adjacent soils. Ecology 48.

I also have several in my own biblio that aren't in "Rev. 5", but I won't bother you about them until I can check "Rev. 8", or whatever.

Best.

Yours very truly,

Alfred Traverse

P.S. Your lab tech must be dying. "We" have just suffered our 3rd loss in as many weeks on national TV--yikes!

AT/et



National Museum of Natural History · Smithsonian Institution

WASHINGTON, D.C. 20560 · TEL. 202- 357-4479 Paleobiology, MRC164

19 October 1988

Alfred Traverse
435 Deike Building
University Park, Pa. 16802

Dear Alfred:

Thanks for the Hooghiemstra abstract. In return, I include two references you may not have seen (the wicked witch of the west evidently learned nothing from Norma's work). I don't get Stuifmail; exactly what is it?

For various complicated reasons, my home address has changed. It is now:

809 N. Kensington St.
Arlington, Va. 22205
(703) 522-2579

I mentioned to Fran Hueber that that block of Protosalvinia specimens is no longer on exhibit; he knows it is no longer out there, but he hasn't got the block back yet. Since I reminded him, he is going to ask the exhibits people what happened to it. Fran and Harlan Banks are writing a paper on Prototaxites, and Fran has decided it is a fungus (probably a basidiomycete). Fran and Serge Mamay have been tied up recently over the pending acquisition by the Department of Paleobiology of E.W. Berry's personal library.

I have my lab processing underway now, and I have adapted to the facilities so far, different though they may be from those at good old Penn State (e.g., I get to make my own distilled water).

There are a couple of things you could get me some information on:

- 1) Rubber gloves. It turns out that I'm using the pair of gloves available in the paleobotany division, so I may need to order some more. It would help if I knew the Edmont catalog number for the green acid-resistant gloves (I think it is printed on the gloves); the descriptions in the Thomas catalog are not too clear.
- 2) I am considering using some of my research allowance to buy an England Finder. From whom can I obtain one, and what (approximately) do they cost these days?

I am of course looking into job prospects for the period beyond June 1989. Although we didn't get a very enthusiastic response from Bill Berggren at Woods Hole about postdoc prospects, this may be because it wasn't clear what sort of palynological work I had in mind. Do you think it would be best for me to write Berggren again, stating my pollen-in-the-ocean interests more clearly, or should I look elsewhere on Woods Hole's roster for someone else to correspond with?

Two weeks ago I went out to Reston to see Ron. Becky is fine and the (new) baby is due at the end of the month. Ron was bemoaning the latest technician defections, and he wasn't impressed when I told him my technician couldn't quit. (Actually, he does have a justifiable complaint about the time lost in training a technician who quits.) Ron has a small, but nicely equipped, interior office near the library. Ron's response to me about the Culpeper Basin was "I go where I'm ordered." I would think that some arrangement could be made so you both could work in there.

Although I am sure you are still busy with your teaching, I would like to get some direction from you on my contributions to the palynology/lithology book, particularly the paper on concentration in the Willwood. The annotated bibliography is in reasonably good shape. There are some new entries to go in, and some current entries need to be edited, but otherwise it is OK (except for any papers given at Brisbane I don't have abstracts for; I don't know anyone in this area who has a copy, so I may need your help for those). I am not sure how my contribution is to be slanted. For example, should it cover just the material on total concentration or should it include the analysis of taxon concentration written up for Farley & Traverse (Brisbane Proceedings volume) as well? What if anything else should be covered too? I know you feel that the papers should be more than just local, detailed case studies, but in my case I am not sure what should be included. The introductory review I assume you will want first crack at starting.

I hope everything is going well for Betty and you, and the rest of the palynology gang at PSU.

Sincerely yours,

Martin B. Farley

Martin B. Farley

88T/0842 Llandovery and Wenlock miospores and spore-like microfossils from the Ringerike district, Norway. M. SMELROR, *Norsk Geologisk Tidsskrift*, 67(2), 1987, pp 143-150.

Five species of spores and spore tetrads assignable to the genera *Ambitisporites*, *Nodospora*, *Tetrahedraletes* and *tetraletes* are recorded from the Llandovery and Wenlock succession of the Ringerike district, together with two undescribed species of spore tetrads. The earliest incoming of spore Tetrads is recorded from the top Vik Formation (lower to middle Telychian). Trilete spores have so far only been recorded from Steinsfjorden Formation (Sheinwoodian).

Author

Land plant spores and the Ordovician–Silurian boundary

J. Gray

Department of Biology, University of Oregon, Eugene, Oregon, U.S.A. 97405

Synopsis

The size of early tetrad spores can be used to differentiate in a general way between late Ordovician and early Silurian rocks, although not to a fine degree of accuracy. No single trilete spores are found in Ordovician or earliest Llandovery rocks. Spores measurements are presented from the Ashgill of Bohemia, Canada and U.S.A. and the early Llandovery of U.S.A., Sweden, South Africa and Brazil.

Introduction

Early land plants can be traced through spores, having morphological analogues with spores produced by some living hepatics, back to the mid-Ordovician, about Llanvirn–Llandeilo time (Gray *et al.* 1982; Gray 1985), when recognizable remains, in terms of modern analogues, disappear. Abundant spores occur in a number of Late Ordovician (Ashgill) and in many early Silurian (Llandovery) rocks immediately above and below the Ordovician–Silurian boundary, and in some successions straddling the boundary as defined by marine invertebrates and phytoplankton. Spores occur in continental strata for this interval; they are principally abundant, doubtless related to intense weathering and often extensive metamorphism of continental rocks of this age (Gray & Boucot 1975), in shallow-water, nearshore marine rocks where other biostratigraphically useful microfossils and invertebrates are absent or inadequate for correlation. Land plant spores may ultimately prove to be the most useful fossils for helping to fix the approximate position of the Ordovician–Silurian boundary in that environment.

Gray (1985) assigned Late Ordovician–Early Silurian spores to Microfossil Assemblage Zone I. MA Zone I is a homogeneous assemblage of spores of a single morphological type: compact tetrads arranged in a tetrahedral configuration with a mean size generally less than 35 microns, and usually smooth-walled. No single, trilete spores are found in Ordovician or earliest Llandovery rocks, although they appear, locally, in small numbers about midway through MA Zone I. Tetrads can be assigned for the most part to *Tetraedraletes* cf. *T. medinesis*, although this does not necessarily mean that they all represent a single taxon, since spore ‘morphological species’ have different taxonomic values, representing anything from families and family groups to species or subspecies. Spore tetrads are found in Late Silurian assemblages but they do not dominate in the post-Early Silurian, where they are replaced by single trilete spores, smooth-walled and with varied types of wall ornamentation, which find their closest morphological analogue in spores of lower vascular plants. Locally, in Ordovician–Silurian rocks from the central and southern Appalachians and the midcontinent of North America, tetrads with a reticulate surface ornamentation also occur in Microfossil Assemblage Zone I, beginning in the Ashgill and continuing through the early and middle Llandovery and early part of the late Llandovery. In North America, tetrads with other ornament types appear about midway through the Llandovery (Gray *et al.* 1986: fig. 5). Tetrads with reticulate surface ornamentation have also been found in samples from Gotland, Sweden, in earliest Silurian and Ordovician–Silurian boundary rocks but have not otherwise been convincingly identified elsewhere below the Silurian, although Vavrdová (1984) claims the presence of varied ornamentations among spore tetrads from the Kosov Formation of Bohemia. I did not see these on spore tetrads extracted in my laboratory from one rock sample kindly sent to me by M. Vavrdová.

Attention has focussed on the Ordovician–Silurian boundary, and the Ashgill, a time of glaciation and widespread marine regression, as one of a small number of intervals of mass extinction among marine invertebrates and phytoplankton. Spore tetrad assemblages show no

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19 September, 1988

Dr. Martin B. Farley
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Dear Martin:

Here's the 1) MS with comments--look carefully. I wrote in black pencil;

2) diskette;
3) xerox re Volkswriter printing table;
4) different version of dissertation Fig. 3 (for possible combination with present Fig. 1 of both paper and dissertation).

Under separate cover I'm sending the slides that are duplicates--but I have a feeling there are more that you need. When you're here we can go over this.

You should get the final product off to Ms. Truswell asap. (deadline: 6 Oct.).

partmark
All the best to you for a quick recovery.

Yours very truly,

Alfred Traverse

AT/et
encl: as noted above

8 July 85

Alfred:

This is the expanded outline of the Brisbane talk. As listed here, it is probably too long. Some of the field photos can be cut (eg, Slide 8), and not much time need be spent on Slides 9, 10, 16-18.

If you have any questions, call me at my office (202) 357-4479 through Wed. (inclusive).

Martin