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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.

4-V-92

Prof. J. Rudolf Daber
zu Berlin

~~Sehr~~ Liebe J. Daber,

Herzlichen Dank für Ihren Brief und für den Sonderdruck über Zygaspeira. Diese Fossile wurde in der Nähe der Heimat meines Vaters gesammelt. Die Traverse-Familie ~~ist~~ haben in der gaspesischen Halbinsel ~~über~~ nach dem Unabhängigkeitskrieg in 1783 übersiedelt. Bevor den Krieg haben sie in New York gewohnt und sie haben die "falsche" Seite gewählt. Sie sind, ~~dem~~ ränkbit dem König (Georg III von Großbr. Hannover und Hannover) loyal gewesen.

Es ist leider unmöglich für uns noch einmal Berlin zu besuchen. Unsere Zeit ist jetzt so begrenzt! Ich muß auch erwähnen, daß J. Schaarschmidts Krankheit uns alle sie besiden entmutigt hat. Er wurde am Karfreitag für Krebs operiert und muß jetzt mehrere Wochen Bestrahlungen bekommen. Ich werde nur einen Tag an der ISP teilnehmen. Es ist auch für meine Frau und mich sehr traurig, daß unsere gute Freundin Gertrud Stacka letzte Woche an Krebs gestorben ist. Wir müssen jetzt unbedingt den armen Hubert in Kiel besuchen — wenn es wegen des Streiks möglich ist

Hunt Institute for Botanical Documentation

Ich wünsche ~~Ihnen~~ Ihnen allen Erfolg
bei der Tagung. Ich würde gerne
die Exkursion um 15 Uhr zu besuchen.

H

R. Daber

Museum für Naturkunde
der Humboldt-Universität zu Berlin
Lehrstuhl Paläobotanik
Prof.Dr.Rudolf Daber
Paläontologisches Museum

Museum für Naturkunde der Humboldt-Universität, DDR 1040 Berlin, Invalidenstr. 43

Herrn Prof.Dr.Alfred Traverse
Beethovenstr. 36/25
6000 Frankfurt a.M. 1

Datum 25.4.1992

Lieber Herr Traverse,

Herzlichen Dank für Ihre Zeilen. Ich darf Sie nun auch von Dr.Krutzsch grüßen, der sehr bedauert, mit Ihnen nicht zusammengetroffen zu sein.
Es wäre sehr schön, wenn Sie und Ihre Gattin zu unserer (kleinen) Tagung am 9. Mai bzw. auch zu den Exkursionen kommen könnten.
Gern würde ich Sie in mein Haus einladen, nur ist dieses zu diesem Anlaß schon voll. Ich erwarte Frau Dr.Zdebska aus Krakau in Polen (Psilophyten), Dr.Storch aus Freiburg (Sphenophyllen) und möglicherweise auch Frau Dr.Grauvogel-Stamm aus Strasbourg. Aber zu jedem anderen Termin steht Ihnen auch mein Haus zur Verfügung.
Mit dem Botaniker-Kongress 1959 und Canada verbinden mich sehr angenehme Erinnerungen,

Telefon 28 97(0)
BN 00 270 638

Hunt Institute for Botanical Documentation

wie Sie dem beiliegenden Sonderdruck von damals entnehmen können. Dankbar notiere ich auch, daß die amerikanischen Kollegen diesen Fund bleibend in ihre Bücher aufgenommen haben. Ihre persönliche Einladung in Ihr Heim ehrt und berührt mich und möglicherweise würde ich dem eines Tages auch sehr gern näher treten.
Ich habe sicherlich noch viel zu wenig von dieser Welt gesehen und möchte gern mit interessanten Menschen in Kontakt treten (und nicht nur ihre Bücher lesen).
Also greifen Sie sich bitte ein Herz und kommen Sie zu unserer Tagung. Die ganze Familie Zimmermann kommt auch.

Mit besten Grüßen

Ihr Rudolf Dahlgrün

Hunt Institute for Botanical Documentation

11-Apr. 92

Herrn Prof. Dr. Rud. (?) Pilger
Botanisches Museum - Berlin
SW

Sehr geehrter Dr Pilger,

ich möchte mich bedanken
für einen guten Besuch im
Museum 6 1/2 April, 1992, und
auch für das schöne Geschenk
von Briefmarken für meine
Sammlung!

Wie ich am Mittwoch erwähnt
habe, plane ich ein paar

Hunt Institute for Botanical Documentation

Herrn Prof. Dr. R. Daber
Gesellschaft der geologischen Wissenschaften'
Invalidenstrasse 43
1040 Berlin, DDR

den 15.Feb. 82

Sehr geehrter Dr. Daber!

Unser Kollege Dr. Friedemann Schaarschmidt ist Mitgleid des IAPT Ausschusses für nomenklatorische Fragen der Pflanzenfossilien. Ich bin der Sekretär dieses Ausschusses. Wie Sie wahrscheinlich wissen, haben wir und die anderen Mitgliederdes Ausschusses die Pflicht, die wichtige Frage des Startpunkts für Pflanzenfossilien zu studieren und Empfehlungen zu machen. Es würde unsere Arbeit sehr erleichtern, wenn Sie mir eine Photokopie der Arbeit Schlotheim 1804 schicken könnten. Laut meiner Berater, ist diese Publikation für die Frage entscheidend. Dr. Schaarschmidt ist der Meinung, dass Sie so etwas für mich tun könnten. Es würde mich sehr freuen.

mit freundlichen Grüssen
Ihr

Alfred Traverse
Professor der Palynologie
Sekretär, IAPT-CFP

AT/et

Hunt Institute for Botanical Documentation

GEOLOGISCH-PALÄONTOLOGISCHES INSTITUT UND MUSEUM
AN DER MATH.-NATURWISSENSCHAFTLICHEN FAKULTÄT
DER HUMBOLDT-UNIVERSITÄT ZU BERLIN

BERLIN N 4, den 18. Mai 1961
Invalidenstr. 43
Telefon 42 00 18
Bankverbindung: Deutsche Notenbank Berlin
Kto.-Nr. 11 27 600

W. L. Norem
Richfield Oil Corporation
Long Beach, California

Lieber Herr Norem !

Ich danke Ihnen für Ihren Brief vom 21.2. und es freut und erstaunt mich, daß Sie sogar den Text meines populären Artikels in 'Wissen und Leben' gelesen haben. Eigentlich hatte ich Ihnen den Artikel nur wegen der Bilder geschickt, denn ich erinnere mich noch an die etwas ungläubigen Fragen, ob denn bei meinem vielen Photographieren auch gute Bilder zustande kämen. Tatsächlich sind 98 % meiner Photographien gut geworden, auch die aus dem fahrenden Auto photographierten und ich bin glücklich, daß ich mit diesen Bildern die schönen Exkursionen ständig nacherleben kann.
Einen zweiten mehr paläobotanisch orientierten Artikel über die Gaspé-Exkursion lege ich bei.

Es ist mir klar, daß wir in Europa vieles in Canada und USA anders sehen als Sie. Ich kann mich in die Augen und Gedanken der in Canada lebenden Menschen nun dank der Reise hineinversetzen, aber trotzdem empfindet ein Europäer doch vieles anders. Ich finde dies sogar natürlich, denn die Welt wäre ja eintönig, bei Gedanken- und Empfindungsgleichheit.

Sehen Sie, ich bin in einer Stadt groß geworden, die im Jahre 1257 gegründet wurde. Als kleiner Junge habe ich an der 500 Jahre alten Stadtmauer gespielt usw. Diese Vergangenheit fehlt in Ihrem Land. Ein anderer Unterschied besteht in der Lage Ihres Kontinentes. Wenn ich abends das Radio anstelle, dann höre ich Neuigkeiten aus Berlin, Musik vom Sender Paris, oder auch Musik von Radio Kairo, eine Landschaftssendung von Radio Moskau oder Belgrad, schottische Melodien von Sender London und auf Kurzwellenband kann ich auch abends Sender Peking empfangen. Auf TV sehe ich eine Übertragung aus Prag oder Rom. Diese Vielseitigkeit fand ich in Ihrem Kontinent nicht, und sie ist ja aus Entfernungsgründen auch nicht zu verwirklichen - vielleicht später durch Sputnik-Übertragung.

Wunderbar fand ich die unberührte Natur. Ich glaube, sowas kann man nur noch in Sibirien wiederfinden, wenn man vom klimatisch anderen Afrika, Australien und S-Amerika absieht.

In politischer Hinsicht sehe ich natürlich auch vielerlei anders. Sie schreiben, Streiks zeigen, daß die Menschen die Freiheit haben zu streiken. Zweifellos haben Sie damit auch die Hälfte von dem gesagt, was ich darüber auch denke. Unter der Naziherrschaft wurden Menschen, die aufbegehrten, in KZs gebracht. In dieser Hinsicht ist der Unterschied in der Freiheit groß und erfreulich. Aber warum streiktman?

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(97) Bm G 069-60 05

Wenn es ungerecht zugeht streikt man. Es wäre besser, wenn es in jedem Fall gerecht zuginge, wenn der Unterschied zwischen den streikenden Menschen und denen, gegen die der Streik gerichtet ist nicht so groß wäre, daß Streik das letzte Mittel der Verhandlung ist. Bei den großen Betrieben in meinem Land werden die Betriebsleitungen gewählt. Sehr oft sind daher sehr bekannte und beliebte Männer die Direktoren. Dadurch ist vieles einfacher geworden.

Eine große Unfreiheit fiel mir durch die Arbeitslosigkeit auf, die meist etwa um 10 % liegt.

Noch schlimmer scheint mir aber, daß Leute, die in der Nazizeit Verbrechen verübt haben, in der Nato sogar in die Führungsstäbe, sogar bis in Ihr Land emporgerückt sind. Ich meine u.a. Speidel, der Deutscher ist. Ich denke, daß durch das Aufnehmen mancher Emigrantengruppen, die in der Nazizeit mit Hitler zusammengearbeitet haben, für ihr Land eine Gefahr liegt. Während wir diese schwere Krankheit mit Hitler, Mussolini, Franco usw. mit der Befreiung durch Ihre Truppen 1945 hinter uns gebracht haben, steht vor Ihrem Land vielleicht schon die Gefahr, sie auf dem gleichen schleichenden Wege zu bekommen. Hoffentlich bewahren Sie Ihre Freiheit vor dieser Krankheit.

Leider kann ich sobald nicht wieder in ein Land wie das Ihre reisen. Ich wollte zur Gründung der Int.Union Geolog.Wissenschaften nach Paris fahren, der Sekretär Dr.Sorgenfrei (Kopenhagen) hatte mich eingeladen. In W-Berlin wurde aber mein Paß beschlagnahmt von dem westalliierten Reiseamt. Man will dort, daß die Wissenschaftler aus Ostdeutschland nach Westdeutschland umsiedeln ("flüchten"). Nun habe ich keinen westalliierten Reisepaß mehr und kann daher nur noch in Länder fahren, die den ostdeutschen Reisepass anerkennen. Sie sehen, wie ein Stück Papier zu einem eisernen Vorhang wird. Aber es geht allen meinen Landsleuten so.

Ich hoffe, daß Sie Berlin einmal besuchen!

Mit den besten Wünschen

Ihr Rudolf Daber.

Rudolf Daber

Hunt Institute for Botanical Documentation

21 August, 1986

Mr. W. Brian Dade
School of Oceanography
WB-10
University of Washinggton
Seattle, WA 98195

Dear Brian:

Did I ever thank you for yours of 2 June, re our desire to get samples of water from the Atlantic via SEA, or whatever. I have written Dr. Farmer per your suggestion. Will see what happens. Thanks for your help. Best wishes in your doctoral program.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

Hunt Institute for Botanical Documentation

WOODS HOLE OCEANOGRAPHIC INSTITUTION
1930

138 Redfield

2 June 1986

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

Dear Dr. Traverse,

Sorry for the delayed response to your letter of inquiry regarding blue-water surface samples. You have caught me in a very hectic time. In addition to my regular duties, I am in the midst of a major move to the University of Washington. This summer I start a graduate program there towards completion of a Ph.D.

Most of my work focuses on shelf and slope localities, so personally obtaining samples will be difficult. My suggestion would be to get Martin to re-establish his contacts at SEA for assistance. Those folks are usually pretty happy to help with such projects if explicit instructions and sampling materials are provided. I direct you to Dr. Mary Farmer at SEA (Susan Humphries, with whom Martin sailed, is on sabbatical).

Dr. Traverse, as I get settled into Seattle and sea-going opportunities arise, I will be happy to assist in providing a few surface-seawater samples for you. Perhaps we can maintain correspondence and you could remind me. My new address will be:

School of Oceanography
WB-10
University of Washington
Seattle, WA 98195

Sincerely,

W. Brian Dade

Sea Education Association
P.O. Box 6

Woods Hole, Massachusetts 02543—Phone 617-548-1400—Telex 951679

Hunt Institute for Botanical Documentation

10 April, 1986

Brian Dade
~~Brian~~Dade
73 Haddon
Falmouth, MA 02540

Dear Brian:

Remember me? Hope youtre doing interesting things.

Martin Farley says he thinks you're still at WHOI and that you probably still are connected with field oceanographic operations. If so, we are wondering if it would ever be feasible to collect 5 gallon carboys of ocean water for us, say from a transect across the ocean? Alternatively, we could instruct somebody who'd be on board to do the filtration on board (as Martin did on the Westward).

All the best.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

Hunt Institute for Botanical Documentation

To: <traverse@ems.psu.edu>
Subject: long time .....

Hi Al,

Sorry for the long absence of communication from me. Hope you have been well.

Things Devonian continue to occupy me. Still doing fieldwork in Pennsylvania (particularly Red Hill) and exciting new work on Ellesmere Island in the Canadian Arctic on similarly aged sections. Do you still run a lab for palynomorph work?

I've still been citing your Red Hill palynomorph paper as "in press". Do you have any other details??

It would be great to see you. If you have any desire to come to Philadelphia or out to Red Hill, let me know.

Best wishes,

Ted

Ted Daeschler
Vertebrate Zoology
Academy of Natural Sciences
1900 Benjamin Franklin Parkway
Philadelphia, PA 19103
ph: 215-299-1133
fax: 215-299-1028
daeschler@acnatsci.org

Hunt Institute for Botanical Documentation

To: <traverse@ems.psu.edu>
Cc: "Ted Daeschler" <daeschler.philly_po.ans_domain@discovery.acnatsci.org>
Subject: greetings

Al,

Hope you are well. Long time no see.

Things here are good, I'm now a curator which comes with its own headaches, but also greater opportunities. My wife and I just had child #3 (all girls), so sleep is a bit of an issue at the moment. Devonian work marches along.

Shubin and I are going back to NSF for support of students, fossil preparation, etc.. Could you please let me know if you have papers in press regarding any of the palynomorph work from our collaboration in Pennsylvania. Citations for those papers would be much appreciated. Also, any new taxa described in those papers (manuscript names?).

Best wishes,

Ted

Ted Daeschler
Vertebrate Biology
Academy of Natural Sciences
1900 Benjamin Franklin Parkway
Philadelphia, PA 19103
PH: 215-299-1133
Fax: 215-299-1028

Hunt Institute for Botanical Documentation

To: "Ted Daeschler" <daeschler@acnatsci.org>
From: Alfred Traverse <traverse@ems.psu.edu>
Subject: Re: greetings
Cc:
Bcc:
Attached:

At 09:34 AM 11/22/99 -0500, you wrote:

>Things here are good, I'm now a curator CONGRATULATIONS. THAT'S GOOD NEWS.

My wife and I just had child #3 (all girls)--BIGTIME CONGRATULATIONS. THAT'S WONDERFUL, AND GIRLS ARE THE BEST, NO QUESTION.

>Shubin and I are going back to NSF for support of students, fossil preparation, etc.. Could you please let me know if you have papers in press regarding any of the palynomorph work from our collaboration in Pennsylvania.

YES, THE PAPER OF WHICH YOU LONG AGO SAW MANUSCRIPT IS STILL IN PRESS IN GERMANY. YOUR MESSAGE PROMPTS ME TO GET AFTER THE EDITOR. THIS IS RIDICULOUS. Citations for those papers would be much appreciated.

Also, any new taxa described in those papers (manuscript names?). NO, ALTHOUGH THERE ARE NEW TAXA. MY PLAN WAS TO GET THE PRELIMINARY PAPER OUT AND THEN GET OUT A SYSTEMATIC PAPER. THIS MUST BE DONE, BECAUSE I ALSO HAVE A PALEOECOLOGICAL STUDY OF SELECTED LEVELS AT RED HILL IN THE WORKS IN COLLABORATION WITH WALT, AND I NEED TO GET MORE OF THE NOMENCLATURE STRAIGHTENED OUT.

I ALSO PLAN TO WORK ON THE MEGASPORES AT RED HILL ONE OF THESE DAYS. THERE ARE CLEARLY BAGS OF THEM. WHO KNOWS WHAT SORT OF STORY THEY MIGHT IMPART TO US?

ALL THE BEST TO YOU. AL.

Hunt Institute for Botanical Documentation

Date: Tue, 11 Aug 1998 14:46:11 -0500
To: traverse@ems.psu.edu (Alfred Traverse)
From: Ted Daeschler <daeschler@acnatsci.org>
Subject: Re: visit

>Dear Ted:
>
>It didn't seem too likely that a Sat. would be possible for a man with a
>young family, even if you weren't involved in the Poconos that day. But it
>was worth asking.
>
>Getting in free was not part of my plan, but if proffered, I accept. The
>day in question is Sat. 29 August, as I've already said. I would think we
>would arrive about opening time, which I suppose is in the 10:00 a. m.
>range. It will be Prof. Yoshitaka Hase and I.
>
>I guess you know that I am a Maritimer (born in PEI) by birth, and therefore
>would like to have been a little mouse in your kitbag on your recent trip.
>
>All the best. Al
>Alfred Traverse
>Palynological Laboratories
>Department of Geosciences
>307 Deike Building, PSU
>University Park, PA 16802
>Ph.: 814-863-3419
>Fax: 814-863-7823

Al,

Glad to send you free passes for the museum. Best to send them to the Department of Geosciences or somewhere else ? Would you like 4 passes ?

I had forgotten about your roots in the Maritimes. It is a thoroughly magnificent part of the world !

Ted

Dr. Ted Daeschler
Vertebrate Biology

Hunt Institute for Botanical Documentation

To: daeschler@say.acnatsci.org
From: traverse@ems.psu.edu (Alfred Traverse)
Subject: visit, etc.
Cc:
Bcc:
X-Attachments:

Hi, Ted:

Perhaps you have heard from Walt C. that I got word in June that I had to evacuate my premises in the Deike Bldg. Originally they gave me only two weeks, but when I said that I had to spend at least part of that time in the Adirondacks (we have a building project going on up there) the dept. head gave me until 15 July. With the help of a grandson (11) and Betty I got it done by 14 July. I had expected this, but not before 1999. We are having an addition put on at home which will provide me with an office there--it is nearing completion, but that means that my library and slides, etc., are in about 100 boxes in the garage, which hasn't seen a car since mid-June. We also have a small condo in State College, where we stay when it is inconvenient to go home, and I have put some things there. I am now moved into the cubicle in the Deike bldg. that I will share with Lauren Wright, the emer. prof. who is a big Death Valley expert and lives there more than half the year. I have a computer, some shelves and a couple of filing cabinets. I also get to keep my preparation lab indefinitely, so it all won't be so bad when I get resettled.

Long before all this happened I had agreed to host a Japanese palynologist-geologist and friend, Yoshitaka Hase, and his wife for a visit to this area. They showed us a marvellous time all over Japan two years ago. We will take them to DC, Philadelphia, Niagara Falls, and some other places in the general area.

As it happens, our full day in Philly will be Saturday, 29 August. My wife will spend much of the day with his wife at the Art Museum, as she is a sort of artist (calligrapher) and has asked for most of day at the museum. I intend to take Yoshi to Acad. Nat. Sci. and Franklin Inst. Is there an odd chance that you might be in that Sat.? Yoshi's work has to do mostly with the Neogene (to present) history of vegetation in Japan, aided largely by palynology. He is a geologist who uses palynology. Can you suggest exhibits at your place or elsewhere in Phila. that he would enjoy seeing? We are taking both of the Hases to Longwood Gardens on another day, and I would liked to have taken them to both Tyler and Morris Arboreta, but there just isn't time.

Best. Al.

Hunt Institute for Botanical Documentation

From: DAESCHLER@say.acnatsci.org
Return-path: <DAESCHLER@say.acnatsci.org>
To: bettyandal@juno.com
Date: Sun, 8 Feb 1998 16:37:36 -0500 (EST)
Subject: manuscript
Message-ID: <980208163736.4903f@say.acnatsci.org>
X-Status: Read

Al,

Thank you for sending me your manuscript on "Dating the Earliest Tetrapods .....". I have two minor things:

1) First sentance of the introduction: Could is read "Daeschler et al. (1994)
have described an early tetrapod ....."

2) Page 4 (Geol. summary), 5th sentance: Could it read "Daeschler et al. (1994) concluded that the deposits probably belong to the Duncannon Member of
the Catskill Formation, and this opinion has been CORROBORATED by Woodrow et.
al. (1995).

Enjoyed your work. Sounds like there's lots more to do there palynologically.

Ted

Hunt Institute for Botanical Documentation

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

25 September, 1997

Ted Daeschler
Vertebrate Paleontology
The Academy of Natural Sciences
19th and The Parkway
Philadelphia, PA 19103

Dear Ted:

Enclosed is the report on the samples.

Next Monday my wife and I are off to Utah, where we'll pick up my good friend, Sid Ash, the paleobotanist. We'll drive to coastal Oregon to collect samples for a project I undertook with Sid several years ago and thought I was just about done with, when we mutually decided that new samples are urgently needed. We'll be back on 10 October, but we leave for a fence-mending trip in Germany on 16 October, and will then be back on 5 November.

I would like your comments, for example about the rationale behind the sampling. Does it surprise you that all the localities seem to be about the same age? Anything else of that nature would also be welcome. As I told you before, I plan to flange up a paper of some sort based on this material.

The outcrops at Cammal produced some nice stuff--not as good as Red Hill, but nice.

All the best.

Yours very truly,

Alfred Traverse
Professor Emeritus of Palynology

enclosure: report

Hunt Institute for Botanical Documentation

To: daeschler@say.acnatsci.org
From: traverse@ems.psu.edu (Alfred Traverse)
Subject: spores
Cc:
Bcc:
X-Attachments:

Dear Ted:

Reporting in again. I now have all of the data on the various Catskill samples we collected together assembled and am furiously working the literature to be sure I've done the best possible job with identifications.

When, in a few days, I have got that far, I will give you my best fixes stratigraphically. Then I'll start writing up a paper on this work. It will be published in Courier at Senckenberg Museum, as was my paper earlier with Schuyler, of which you have a copy. They do a nice job. You will of course see the paper in a preliminary form for criticism long before that.

My carpal tunnel operation went o. k. It is now a month since, but it is still pretty sensitive. Then, ten days ago I was stung by a spider on the other hand, and it is worse than the operated one--for a time it was very swollen, inflamed and painful. But I can still type and run a scope!

All the best. Al.

Hunt Institute for Botanical Documentation

To: daeschler@say.acnatsci.org
From: traverse@ems.psu.edu (Alfred Traverse)
Subject: spores
Cc:
Bcc:
X-Attachments:

Dear Ted:

The Red Hill samples have the best preserved and most abundant spores encountered in any of the samples you and I collected, although one other is a close second as to preservation but not as to abundance.
I suspect there will eventually be a new taxon or two in this study.

We are off tomorrow for my Harvard 50th reunion.

Best, Al.

Hunt Institute for Botanical Documentation

From: DAESCHLER@say.acnatsci.org
Date: Fri, 23 May 1997 19:56:19 -0400 (EDT)
To: traverse@ems.psu.edu
Subject: reply

Al,

Thanks for your message. It's good to know you're keeping busy with travel, spores, etc.. Hope the arm surgery goes well.

I'm of course interested in your results, are the Red Hill samples still remark-ably well preserved. Will you describe any new taxa ?

Keep in touch.

I'll be in and out of the field quite a bit in the early summer.

Ted

Hunt Institute for Botanical Documentation

To: Daeschler@say.acnatsci.org
From: traverse@ems.psu.edu (Alfred Traverse)
Subject: progress report

Dear Ted:

Just to report that I have been hard at with our mutual samples. My wife has processed some more sub-samples, to try to improve on the results a bit. I have taken hundreds of photos. I am now ready to start organizing the story. Don't give up!

A week from today we go to Harvard for the 50th anniversary of my college class. Ye gods. Then we'll be back for a week before going to the Adirondacks for a week or so, to look after our house there. Then back here with only one summer obligation: surgery on my left arm in mid-July--not expected to be very debilitating because I am right-handed. Should get our project finished before end of summer with no trouble. Probably can send you a preliminary stra-fix on the "new" samples long before that.

Best. Al.

Hunt Institute for Botanical Documentation

From: DAESCHLER@say.acnatsci.org
Date: Mon, 10 Mar 1997 9:18:18 -0500 (EST)
To: traverse@ems.psu.edu
Subject: Catskill spores

Al,

Thanks for the update. Glad to hear that the samples are moving through your analysis stage. Does it seem like the difference between the Red Hill florule and other samples is age-related or environmental ? I suppose that's the $64,000 question.

Anyway, enjoy your time in Italy ! When you return we can discuss hiring you for more sampling if you want to continue with this stuff.

Ted

Hunt Institute for Botanical Documentation

From: DAESCHLER@say.acnatsci.org
Date: Fri, 20 Dec 1996 15:51:22 -0500 (EST)
To: traverse@ems.psu.edu
Subject: palynomorphs

Al,

Firstly, season's greetings, hope you and yours are well.

Neil Shubin and I have just spent some time laying out plans for the Catskill work. We were wondering where you might be with respect to analysis of the few samples that were productive that you and I collected from various sites in our field area as part of our 1995 National Geographic Grant. It would be very helpful for us to begin to incorporate some biostratigraphic information into our publications (now that Red Hill is well pinned down).

Can you let us know when some of those analyses could be finished.

Thanks.

Ted

Hunt Institute for Botanical Documentation

To: daeschler@say.acnatsci.org
From: traverse@ems.psu.edu (Alfred Traverse)
Subject: samples
Cc:
Bcc:
X-Attachments:

Dear Ted:

We're back in the lab after a couple of days of Xmas-related visiting witha daughter and family in Camp Hill. Now we go to the other daughter and son in Boalsburg, then Christmas at home. On the 26th we take off on a fully frivolous trip to Key West by truck, stopping at various important places enroute (I want to spend a full day at the National Gallery in DC, and another at Fairchild Tropical Garden in Miami, etc.). We will be back on the 17th of Jan. (weather permitting, of course!)

You are presumably talking about the samples you, Bob Booth and I collected together a while back. They were all processed, were mostly barren or nearly so, but a couple were productive. It will be no struggle to give you the best fix that the spore flora permits for those few (2-3?) samples when we get back--I'll post your e-mail as a reminder. I hope this suffices.

Have a great holiday with your family. Considering your surname I feel inclined to add: Ich wünsche Dir schöne Weihnachten und einen guten Rutsch ins 1997!

All the best. Al.

Hunt Institute for Botanical Documentation

From: DAESCHLER@say.acnatsci.org
Date: Wed, 6 Nov 1996 12:04:19 -0500 (EST)
To: traverse@ems.psu.edu
Subject: NEGSA

Al,

Thanks for your response. Unfortunately the NEGSA meeting is March 17-19, 1997.Seems like you have plans. This is not the "Red Hill Symposium" that we would like to organize eventually. Glad to hear you may have a good place to publish the Red Hill spores.

We'll talk.

Ted

Hunt Institute for Botanical Documentation

To: daeschler@say.acnatsci.org
From: traverse@ems.psu.edu (Alfred Traverse)
Subject: symposium
Cc:
Bcc:
X-Attachments:

Dear Ted:

No, I didn't know about the NEGSA meeting--I suppose in April? I would very much like to present a paper on my results at Hyner--is that what you have in mind, or are you talking about something more general? This is not THE SYMPOSIUM that you mentioned when we were at AcNatSci some weeks ago, is it?

I mention the date because our dance card is beginning to fill out a bit. For example, we will be in Italy most of March. If the meeting is in March, we are shot down. Let me know about that and other details that may occur to you.

After I came back from seeing you I had to put the Devonian stuff aside for a while to finish a project on (as it turns out) Cretaceous of Oregon, then on the Triassic of New Brunswick. However, I have been asked to contribute a paper to a Festschrift for a good friend in Germany, and I was thinking of doing the Hyner stuff. It would be published by Senckenberg, and they would let me do a plate or two, which would be nice. I could give it orally at the GSA session as a prelim to the publication. Opinions?

We finally have possession of our condo in State College and have had great fun furnishing it and otherwise setting it up. Already one scientific visitor has stayed in it for most of a week--Sarah Fowell from Lamont Doherty, with whom I work on Triassic stuff.

All the best to you. Al.

Hunt Institute for Botanical Documentation

From: DAESCHLER@say.acnatsci.org
Date: Mon, 4 Nov 1996 14:57:57 -0500 (EST)
To: traverse@ems.psu.edu
Subject: Catskill Symposium

Al,

Hope you have been well. Thanks for visiting last month. What you have found is thrilling.

As you may know the northeastern GSA meeting is in Valley Forge, PA, next year. Shubin has proposed a symposium on non-marine deposition in the Catskill complex. Do you have any interest in reporting either biostratigraphically and/or paleoenvironmentally, and/or systematically on any of the palynomorph data you have collected ??

I think your contribution would be important.

Best wishes,

Ted

Hunt Institute for Botanical Documentation

To: daeschler@say.acnatsci.;org
From: traverse@ems.psu.edu (Alfred Traverse)
Subject: Philly visit
Cc:
Bcc:
X-Attachments:

Dear Ted:

O. K., the 28th it is. I propose that we remain parked at the art museum, and hoof it to the Academy. I would think that we would arrive late morning, and I propose that you let me treat the three of us to lunch at some suitable place after we have seen what we should at acnatsci.--and perhaps conferred about the Devonian stuff. I am now in the photographing phase of the operation. Really beautiful specimens.

Best. Al.

Hunt Institute for Botanical Documentation

From: DAESCHLER@say.acnatsci.org
Date: Tue, 6 Aug 1996 9:41:51 -0400 (EDT)
To: traverse@ems.psu.edu
Subject: Philly visit

Al,

I would be very happy if you could visit the Academy on August 28 and see some of our "masterpieces". We are about 5 blocks from the Art Museum, at 19th St. and the Ben Franklin Parkway. Keep in touch.

Glad that you are finding interesting stuff in the Red Hill samples.

Ted

Hunt Institute for Botanical Documentation

To: daeschler@say.acnatsci.org
From: traverse@ems.psu.edu (Alfred Traverse)
Subject: Red Hill, Philly trip
Cc:
Bcc:
X-Attachments:

Dear Ted:

Well, I've been at "our" samples for about ten days now, off and on. Off because of visiting relatives and the final throes of getting the report on the Honduras project finished.

I took four palynological samples at Red Hill, rather widely spaced (though I see no evidence that the whole thing wasn't deposited in a geological microsecond). Three of the four samples are very productive palynologically. It's interesting, however, that there is a considerable difference in palynobiofacies, indicating environmental differences. It will be interesting at the end to do a careful palynological count for each of the samples. Another interesting sidelight is that I find many fragments of megaspores. Megaspores are broken up in conventional palynological processing. Later it will be interesting to do the megaspores too! So far I am just trying to get familiar with the total palynoflora, making many photomicrographs, etc.

Betty and I have wanted to visit the Cezanne exhibit at the Art Museum in Philly. A couple of weeks ago I phoned for tickets, as required. The response was startling, "You have a choice, either 27 or 28 August, at 8 a. m." We took 28 August, so we have to go down on the 27th. I also want to visit the Morris Arboretum, of which I am a "Friend," without ever having visited. Would you be "IN" during this time--27-29 Aug.? If so, which day would be best to see you in your own lair? I would think I might even have at least an abstract of my work on the Red Hill palynology!

Best wishes. Al.

Hunt Institute for Botanical Documentation

From: DAESCHLER@say.acnatsci.org
Date: Tue, 16 Jul 1996 8:56:21 -0400 (EDT)
To: traverse@ems.psu.edu
Subject: spores

Al,

Thanks for the message. Good stuff, I'm looking forward to finding out how goodthe Red Hill material is and how it can constrain the age.

Good luck, and have fun.

Ted

Hunt Institute for Botanical Documentation

From: DAESCHLER@say.acnatsci.org
Date: Tue, 2 Jul 1996 11:58:38 -0400 (EDT)
To: traverse@ems.psu.edu
Subject: Red Hill

Al,

Welcome back ! And thank you for your response to my message.

Indeed, Red Hill is the locality most in need of biostratigraphic dating. The place continues to produce amazing stuff including scorpions and also a t-pod lower jaw ! Will be the subject of numerous papers.

Talk to you sometime about more sampling.

Ted

Hunt Institute for Botanical Documentation

To: daeschler@say.acnatsci.org
From: traverse@ems.psu.edu (Alfred Traverse)
Subject: Red Hill, etc.

Dear Ted:

This is my first day back in the lab after a week at our place in the Adirondacks follwed by a few days in Vermont on other family business. We spent the whole month of May in Korea and Japan, where I gave some lectures and toured the country. I am somewhat in arrears!

Some day I'll pick your brain about the Triassic of Morocco, as it interests me very much in connection with our Triassic research in the Fundy Basin. My former student who did her dissertation with me on a project in Nova Scotia recently got a consulting contract with an oil company to work on Tr of Morocco.I

I have a grant to work on an archeological project in Honduras, as I may have told you. That is becoming critical, but I just must get at the PA Devonian stuff. I gather from your e-mail that at the moment I could confine the work to Red Hill specifically. Right? That makes it more manageable, and I will shoehorn the work in, starting in a day or two. Okay?

Yes, I am definitely interested in going on with this project. (In my "spare time" I'd also like to work on the Archaeopteris stuff from Red Hill--I even have some seeds, I think.)

Back to the scope! Al.

Hunt Institute for Botanical Documentation

From: DAESCHLER@say.acnatsci.org
Date: Mon, 1 Jul 1996 16:10:13 -0400 (EDT)
To: traverse@ems.psu.edu
Subject: Devonian

Al,

Greetings, hope you've been well. I've been working with a Penn and Harvard crew in the Triassic of Morocco, and am now back and spending time in the catskill again. We are making progress on several fronts, and continue to make new finds.

Work on the actinopterygians from Red Hill (ray-finned fish) is nearing completion and I will present in London in September of this year. I of course would like to go armed with as much information as possible. Will it be possible to refine the palynomorph date for Red Hill ? I believe you have several good samples from the site. I need to be as precise as possible since I will try to fit the fish into a temporal framework.

Also, Shubin and I got money from NSF including $$$ for more palynomorph work. At some point we should finalize last year's work and plan another sampling tripif your workload permits.

Please keep in touch.

Ted

Hunt Institute for Botanical Documentation

Received: from SAY.ACNATSCI.ORG (say.acnatsci.org [192.204.19.1]) by pangaea.ems
From: DAESCHLER@say.acnatsci.org
Date: Wed, 14 Feb 1996 11:04:13 -0500 (EST)
To: traverse@ems.psu.edu
Message-Id: <960214110413.39874@say.acnatsci.org>
Subject: palynology
Content-Type: text

Al,

Thanks for your message. Yes indeed, the arachnid you read about did come from Red Hill. It was a piece of float that Del picked up in Late October when we were taking the SVP Fieldtrip to the sites. It makes a great human interest story.

Regarding samples..... Glad to get preliminary results, with some palynoflora. I did not note a sample 95-12 (Red Hill) from our October trip. I quess you collected it on one of your subsequent trips to see Doug and Norm about the Archaeopteris stuff.

The Red Hill date is the most important to us. From the previous sample you said late Famennian but hoped to refine that further. That piece of information

Best wishes,

Ted

Hunt Institute for Botanical Documentation

Date: Tue, 13 Feb 1996 13:22:21 -0500 (EST)
From: "Alfred Traverse" <traverse@ems.psu.edu>
To: daeschler@say.acnatsci.org
Cc:
BCc:
Subject: Red Hill (I guess)
X-NUPop-Charset: IBM 8-Bit

Dear Ted:

Here I am eating my lunch, and I read on p. 2 of Penn State's Daily Collegian and article, "N. J. Policeman Finds Rare Fossil Specimen." It describes the locality as "on Route 120 outside Renovo." I suppose it must be Red Hill. You are also mentioned in the article. If you want I'll send you a copy of the paper.

All of this reminds me to report in. Bob Booth and my wife have finished the lab work on the samples we jointly collected on 18 Oct., 1995. I am "took up" with other matters, but can report the following, based on study of all the slides: 95-1 barren-no organic float; 95-2 has organic float, but very carbonized (black), no spores seen--might be worth more experimentation with processing; 95-3 has a sparse but datable palynoflora; 95-4 through 95-8 are all barren--no organic float; 95-9 contains sparse but datable spores; 95-10 sparse but datable palynoflora; 95-11 has small float but no spores seen--might be worth more processing attempts; 95-12 has beautifully preserved and abundant palynoflora.

In my experience further attempts at the localities where we got barren samples would not likely produce better results. It would be better to try new localities with slightly different lithology, but at approximately the same level.

Detailed study of the samples will happen one of these months--you bugging me would help, as I am bugged by so many others. (About a core from Honduras at the moment, for example.)

I also would like to get on with study of the fertile Archaeopteris stuff--I got seeds, among other things. They are from sample 95-12.

Forgive me for giving your name to a taxpayer who called about vertebrate fossils. She's a writer of some sort and called back to say you'd been very helpful. Thanks!

All the best. Al Traverse.

Hunt Institute for Botanical Documentation

95.12 abundant palynoflora
95.11 barren (some organics — possible that a huge spl. might produce spore)

95.10 sparse palynoflora but datable

95-9 as ↑ some spores very dark

95-3 sparse, datable, palynoflora

95-2 has organic residue — but very carbonized — no spores seen

Hunt Institute for Botanical Documentation

Date: Tue, 19 Dec 1995 13:04:29 -0500 (EST)
From: "Alfred Traverse" <traverse@ems.psu.edu>
To: daeschler@say.acnatsci.org
Cc:
BCc:
Subject: liverworts, etc.
X-NUPop-Charset: IBM 8-Bit

Hi, ~~Doug~~ Ted:

Fall Semester finally put to bed. Now we attend to getting ready for our trip, 26 Dec.-26 Jan., to California, in connection with visiting colleagues at UC Santa Barbara and UC Berkeley. Among other things I am giving my teaching collection of fossil plants to a former student who is now prof at Berkeley. She can use them for her paleobotany course, and I'll not be teaching that at PSU any more.

Bill Shear. Hmm. He's a close associate of a person I don't like or trust, but he can't help that. The "liverworts" are puzzling--he must be finding them on pre-maceration surfaces, as I can't imagine that they'd survive maceration. Liverwort spores--Yeah, some of the dispersed spores might belong to such, as there are lots of the spore taxa that haven't yet been associated definitely with any particular vascular plant. Some liverworts do make a trilete spore that is definitely preservable. But, of course, we wouldn't expect Devonian liverworts to make spores like modern liverworts necessarily.

All of our samples from the trip we took with you are now processed, at least to the point where we can make test slides. Only 2-4 (depending on whether we succeed in efforts to bleach black, carbonized spores!) samples are productive. However, we have put a lot of lab time and chemicals into this, and it may be that we have earned our keep. Hmmm. Obviously, the study of the slides has to wait until we get back from CA.

Your message contains a question about Red Hill that somehow got truncated. It ends: " ....the material that Doug" Perhaps you are talking about the fertile Archaeopteris material. If so, yes, I spent a nice day out there with the two Normans and have a bunch of stuff in my garage to study as soon as I get a chance.

One problem I have here at PSU is that the Department is now pressuring me to give up the microscopy lab, and put the scopes here in my office, which will be hard. Betty and I have just bought a condo in State College, not with the idea of living there, but to have a place to crash when we don't want to drive the 26 miles home. We can also use it for overflow from the office. But all of these things take time--big blocks of time.

Happy holidays with your (from your descriptions) marvellous family!

All the best. Al T.

Hunt Institute for Botanical Documentation

Received: from SAY.ACNATSCI.ORG (SAY.ACNATSCI.ORG [192.204.19.1]) by pangaea.ems
From: DAESCHLER@say.acnatsci.org
Date: Mon, 18 Dec 1995 16:22:29 -0500 (EST)
To: traverse@ems.psu.edu
Message-Id: <951218162229.1fdd7@say.acnatsci.org>
Subject: liverworts
Content-Type: text

Al,

How are things in the great white north ? The weather out there has cut back my collecting trips considerably.

Bill Shear in Virginia has broken down some Red Hill samples and pulled out arthropod remains. He also mentioned that he is finding well-preserved liverworts. Have you seen liverwort "spores" in the Red Hill samples ?

Thanks for your recent reply, and for your letter of consent for more work with the palynomorphs. We have submitted the NSF grant proposal.

Have you or a student been able to visit Red Hill and see the material that Doug

Best wishes for a great holiday and new year.

Ted

Hunt Institute for Botanical Documentation

Date: Sun, 3 Dec 1995 13:21:39 -0500 (EST)
From: "Alfred Traverse" <traverse@ems.psu.edu>
To: daeschler@say.acnatsci.org
Cc:
BCc:
Subject: Devonian palynomorphs
X-NUPop-Charset: IBM 8-Bit

Hi, Ted!

Yours of 27 Nov. came during an incredibly busy time here, even including my wife's birthday. Hence the delay in reading my e-mail.

All of the samples from our trip, plus an additional Red Hill sample I collected along with very impressive plant material (yes, including both male and female reproductive structures) when I was with Doug a couple of weeks ago, are in process. I just had a conference with Bob Booth, who is in the midst of our final week of classes. Progress on the samples is inevitably slowed by that business. However, he says that his exams are all over a week from tomorrow, and he will then get at the samples and should have it all done by about the 18th. We do know already that a couple of the samples are (drat it!) barren, because they have zero organic float. If there a lot of barren samples, I will consider that you have a "credit" to use against other samples, and we could try again.

Listing of palynomorphs--this is not a routine matter. The best way is to list them in the order of their occurrence in Potonie's turmal system, but that has to do with a longish, formal systematic presentation. For a short list such as ours now is, I'd go with alphabetic listing.

Palynomorph processing: Samples are being processed according to standard palynological methods, as outlined in Traverse, 1988. This involves:

1. Decalicification in 20% HCl.

2. Demineralization in 52% HF.

3. Concentration of organics and elimination of recalcitrant mineral matter by float/sink in $ZnCl_2$ solution, sp. gr. 2.1.

4. Clearing (bleaching) of palynomorphs in either con. HNO_3 (relatively mild oxidation), or in Schulze's Solution (HNO_3 in $KClO_3$ solution--relatively severe oxidation), times depending on degree of clearing necessary. (Our fossils are quite carbonized--very dark brown to almost black.).

5. Mounting (and storage) is in glycerin jelly.

Hunt Institute for Botanical Documentation

Received: from SAY.ACNATSCI.ORG (SAY.ACNATSCI.ORG [192.204.19.1]) by pangaea.ems
From: DAESCHLER@say.acnatsci.org
Date: Mon, 27 Nov 1995 13:04:47 -0500 (EST)
To: traverse@ems.psu.edu
Message-Id: <951127130447.1568b@say.acnatsci.org>
Subject: questions
Content-Type: text
Status: O
X-Status:

Al,

We are putting together our NSF proposal and would like to mention which sites have produced palynomorphs. Are any of the samples from our trip last month finished yet ?? If so, anything there ??

Also, how do I list the palynomorphs in a floral list (eg. the ones from Red Hill) ??

Do you have a two or three sentance description of the palynomorph processing method ??

Thanks.

Ted

Hunt Institute for Botanical Documentation

Received: from SAY.ACNATSCI.ORG (SAY.ACNATSCI.ORG [192.204.19.1]) by pangaea.ems
From: DAESCHLER@say.acnatsci.org
Date: Thu, 9 Nov 1995 13:50:26 -0500 (EST)
To: traverse@ems.psu.edu
Message-Id: <951109135026.f02d@say.acnatsci.org>
Subject: future work
Content-Type: text

Al,

Neil Shubin and I are writing a National Science Foundation grant proposal to be submitted at the end of this month. The emphasis of the grant is interpretation of the flora and fauna, and relevant geological issues, of the non-marine portion Catskill Formation.

You have been an important collaborator on the project so far and we would like to continue this relationship with further palynomorph sampling and analysis, as well as other paleobotanical data. If you would be willing to continue helping us on these aspects of the project could you please provide us with a brief letter that states your interest and willingness to collaborate in the future, so that we can include it in the proposal to NSF.

The letter should be sent ASAP to:

Dr. Neil Shubin
Department of Biology
University of Pennsylvania
Philadelphia, PA 19104-6017

Thank you and best wishes,

Ted
phone: 215-299-1133

Hunt Institute for Botanical Documentation

Date: Thu, 19 Oct 1995 10:46:48 -0500 (EST)
From: "Alfred Traverse" <traverse@ems.psu.edu>
To: daeschler@say.acnatsci.org
Cc:
BCc:
Subject: "bullet"
X-NUPop-Charset: IBM 8-Bit

Hi, Ted!

Adam Locke, the student who collected the abovementioned specimen reports that many have suggested the same as you (I didn't know that). He says that the specimen, at least superficially, is solid pyrite, and doesn't agree in caliber with any known bullet. Also, he points out that projectile impact would have disrupted the shale structure, which it hasn't. Just reporting.

Sample came from Crawford Co., PA. Presumably Upper Devonian. Hmmmm.

Had a great time yesterday. The samples are already in the lab, in progress!

Bye. Al.

Hunt Institute for Botanical Documentation

A&M Locke

415 W College Ave. Apt. 608
State College PA 16801
(814) 861 - 6650 (School)
(814) 967 - 2624 (Home)

Hunt Institute for Botanical Documentation

Date: Tue, 3 Oct 1995 10:06:52 -0500 (EST)
From: "Alfred Traverse" <traverse@ems.psu.edu>
To: daeschler@say.acnatsci.org
Cc:
BCc:
Subject: 18 Oct.
X-NUPop-Charset: IBM 8-Bit

Dear Ted:

Your envelope, dated 20 Sept., postmarked 25 Sept., was in this morning's mail. I've had faster service from Australia! Anyway, we'll be there on the 18th.

One of my students, Ruth Robinson, is to be on the field conf. trip to Hyner this week and will get fossil plants from Doug for me to look at. Sounds exciting and will definitely require more trips to the area.

See you. Al T.

Hunt Institute for Botanical Documentation

Date: Mon, 2 Oct 1995 09:39:47 -0500 (EST)
From: "Alfred Traverse" <traverse@ems.psu.edu>
To: Daeschler@say.acnatsci.org
Cc:
BCc:
Subject: directions, etc.
X-NUPop-Charset: IBM 8-Bit

Dear Ted:

It's puzzling, but I just checked the mailbox again, and still no stuff that you said was mailed off more than a week ago, re when and where to meet and all that. I wonder if you had the right address? (Department of Geosciences, 435 Deike Bldg., PSU, University Park, PA 16802.) The only reason it's critical is that Bob Booth wants to know how early we have to leave on the 18th, as it affects how he arranges the day. I told him "early," but it would be good to have it laid out.

We leave for the Adirondacks on Thurs. the 5th, after the palynology lab. We get back on Tues., the 10th.

Best regards. Al T.

P. S. I sent this message over the weekend, but this a. m. the machine says that there was a problem at your end, and it didn't go thru, so I'm trying again. Does this mean that your outfit is shut down on weekends?

Hunt Institute for Botanical Documentation

Date: Tue, 26 Sep 1995 10:25:00 -0500 (EST)
From: "Alfred Traverse" <traverse@ems.psu.edu>
To: daeschler@say.acnatsci.org
Cc:
BCc:
Subject: plants
X-NUPop-Charset: IBM 8-Bit

Hi, Ted:

I'm not surprised that D and N have found more plant material. There are all sorts of signs that such things are there to be found. And D and I found some marvellous Archaeopteris material that should be followed up at the intersection of 120 and the Kettle Creek road. I am sure that fructifications would be found with more collecting. I am very desirous of getting on with the business, and the whole Devonian thing makes a lot of sense for me, as there is relatively little travel involved. However, I must clear the decks of some urgent, funded things first--at least first before spending huge blocks of time on the Devonian stuff. But I should get up there and see what D and N have and do some more collecting sometime soon. Thanks for telling me about this.

It will be good to see you along Highway 15 on the 18th. The detailed stuff about where to meet etc. still hasn't come. PSU mail delivery is abysmal. Curiously, I will drive right by the place twice before then, on our way to and from the Adirondacks. We have to close up our place up there for the winter, confer with managers, etc.

All the best. Al.

Hunt Institute for Botanical Documentation

Received: from SAY.ACNATSCI.ORG (SAY.ACNATSCI.ORG [192.204.19.1]) by pangaea.ems
From: DAESCHLER@say.acnatsci.org
Date: Mon, 25 Sep 1995 15:01:24 -0400 (EDT)
To: traverse@ems.psu.edu
Message-Id: <950925150124.b633@say.acnatsci.org>
Subject: Red Hill plants
Content-Type: text

Al,

I visited Red Hill (Hyner) last week and was excited to see some rather spectacular plant material that Doug Rowe and Norm Delaney have collected from the reduced horizons. They would like you or some students to check it out. It is mostly Archaeopteris but lots of details preserved, maybe fruiting bodies ????

They have been getting regular visits from a guy named Paul Bueller from Rochester, NY. He knows to keep hands off the vertebrates but they would rather Red Hill is a PennState research paleobotany research locality.

Looking forwrd to our trip north of Williamsport. Details are in the mail to you. See you soon.

Ted

Hunt Institute for Botanical Documentation

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215 / 299-1000

20 SEPT. 1995

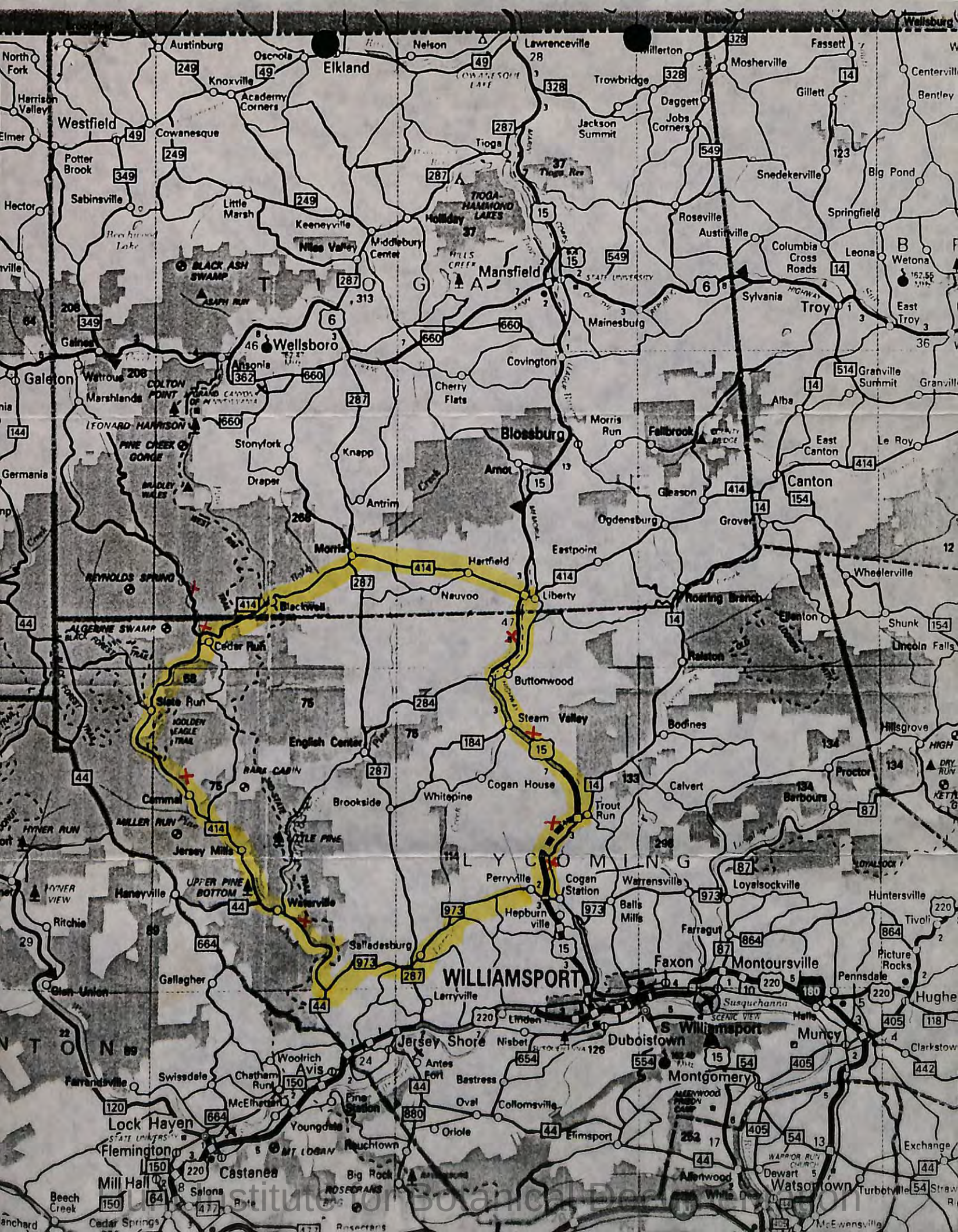
ENCLOSED IS A MAP WITH OUR ROUTE HIGHLIGHTED. POSSIBLE COLLECTING SITES MARKED WITH A RED "X".

WILL MEET AT 10AM WEDNESDAY, OCT 18 AT POWYS, LYCOMING CO., PA. DIRECTIONS:

TAKE 220 N TOWARD WILLIAMSPORT
EXIT ONTO 15 N (2 MILES BEFORE W'PORT)
15 N FOR 10 MILES, TAKE RIGHT OFF 15 JUST AS IT NARROWS TO ONE LANE.
FOLLOW FOR ½ MILE THEN LEFT AND IMMEDIATE RIGHT INTO SMALL, GRAVEL PARKING LOT.

TED
(W) 215-299-1133
(H) 215-233-9242

Hunt Institute for Botanical Documentation



Hunt Institute for Botanical Documentation

Date: Tue, 19 Sep 1995 10:42:29 -0500 (EST)
From: "Alfred Traverse" <traverse@ems.psu.edu>
To: Daeschler@say.acnatsci.org
Cc:
BCc:
Subject: field trip
X-NUPop-Charset: IBM 8-Bit

Dear Ted:

Wed., 18 Oct. is it. Pray for nice weather! Look forward to exact directions. Should we bring lunch, or do we repair to a nearby eatery? Good news about the $. Bob will do a good job of the preps.

Best. Al.

Hunt Institute for Botanical Documentation

Received: from SAY.ACNATSCI.ORG (SAY.ACNATSCI.ORG [192.204.19.1]) by pangaea.ems
From: DAESCHLER@say.acnatsci.org
Date: Mon, 18 Sep 1995 16:33:55 -0400 (EDT)
To: traverse@ems.psu.edu
Message-Id: <950918163355.98e8@say.acnatsci.org>
Subject: field trip
Content-Type: text

Al,

Let's make it Wednesday, Oct. 18. I will send a map of our route. Basically along Rt. 15 north of Williamsport, then over to Cedar Run and south along Rt. 414. We could meet just north of Williamsport on 15. I will send specific notes on the location. Meeting time about 10AM. Thanks.

Indeed. We have $800 committed to plant microfossil work. Will turn it over to you whenever you request (in 1995 best for grant book keeping).

Ted

Hunt Institute for Botanical Documentation

Date: Mon, 18 Sep 1995 15:06:23 -0500 (EST)
From: "Alfred Traverse" <traverse@ems.psu.edu>
To: daeschler@say.acnatsci.org
Cc:
BCc:
Subject: coll. trip
X-NUPop-Charset: IBM 8-Bit

Hi Ted:

Sunday is not my favorite date either--but your reasons are certainly more compelling!

Wednesday, 18 Oct. will work. Bob Booth is working in the microscopy lab this afternoon, and he says he could arrange it--misses only lectures, whereas Monday lab is difficult to make up. I hope we avoid snow and/or cold rain, sleet, etc.

So now I need the info about where and when to assemble.

It will be good for Bob to be along, as he will be the guy who will run the samples and will get most of the $ you have for that purpose, if indeed you have any. Could cover cost of the trip too!

All the best. Al Traverse.

Hunt Institute for Botanical Documentation

Received: from SAY.ACNATSCI.ORG (SAY.ACNATSCI.ORG [192.204.19.1]) by pangaea.ems
From: DAESCHLER@say.acnatsci.org
Date: Fri, 15 Sep 1995 15:54:58 -0400 (EDT)
To: traverse@ems.psu.edu
Message-Id: <950915155458.8a03@say.acnatsci.org>
Subject: collecting trip
Content-Type: text

Al,

Our possible dates are getting limited. Unfortunatley Sundays don't work for me. Two young ones at home means my wife counts on a break on the weekends.

Looking at my calendar. Would Wednesday Oct. 11 or 18 work for you ? Monday the 16th may still have to be our fallback date.

Best wishes,

Ted

Hunt Institute for Botanical Documentation

Date: Mon, 11 Sep 1995 19:55:21 -0500 (EST)
From: "Alfred Traverse" <traverse@ems.psu.edu>
To: daeschler@say.acnatsci.org
Cc:
BCc:
Subject: sampling day
X-NUPop-Charset: IBM 8-Bit

Hi, Ted:

Monday, 16 October, sounds fine, and I have so marked it on the various calendars. Now I need to hear from you WHERE to meet you and what TIME on the 16th. It looks to me that parking where the state police wouldn't be a problem might be challenging, but you apparently have solved that difficulty.

Best, Al.

Hunt Institute for Botanical Documentation

Date: Tue, 12 Sep 1995 12:58:58 -0500 (EST)
From: "Alfred Traverse" <traverse@ems.psu.edu>
To: daeschler@say.acnatsci.org
Cc:
BCc:
Subject: sampling trip
X-NUPop-Charset: IBM 8-Bit

Dear Ted:

Whoops! Bob Booth, my student who should accompany me on the sampling trip (at least, it would be very good experience for him) just came by to help me set up for the palynology lectures (yeah, it's lectureS--two of them back to back). He says that Monday is one day he can't miss here because of an important lab.

Is Sunday, 15 October, one day earlier, a possibility? Would be better for me too in a way (though the 16th was o. k.) because of personal obligations. If not, we'll just leave it at the 16th, and I'll await instruction.

Best. Al.

Hunt Institute for Botanical Documentation

Date: Sun, 10 Sep 1995 10:47:20 -0500 (EST)
From: "Alfred Traverse" <traverse@ems.psu.edu>
To: daeschler@say.acnatsci.org
Cc:
BCc:
Subject: sampling day
X-NUPop-Charset: IBM 8-Bit

Hi, Ted:

4 October, while not entirely impossible, is not desirable for me because my wife and I are leaving on the 5th after my lab session with the palynology class to go to our place in the Adirondacks. We will be gone from the 5th through the 9th, which I can get away with because my classes are on Tues. and Thurs. However, I am trying to be exemplary, as they are letting me give my course tho I'm emeritus, and I really need to be around to help the students.

So, please give me another nomination. Wed., except for the Wed., would be fine, as would Sun., Mon. or Fri. After 9 Oct. I have no travel plans for the rest of the semester--but I do hope we do it in Oct., not Dec.!

The student who would profit most by accompanying me would be Bob Booth, whom, however, I've hired to help in the lab and be available to the class when I'm not here. Nevertheless, I might try to get my wife to do that for me for one day so that he could come along. He plans to do grad work in palynology, so it would be good experience.

Waiting anxiously for a new nomination, I am yours cordially, Al.

Hunt Institute for Botanical Documentation

Received: from SAY.ACNATSCI.ORG (SAY.ACNATSCI.ORG [192.204.19.1]) by pangaea.ems
From: DAESCHLER@say.acnatsci.org
Date: Fri, 8 Sep 1995 9:21:28 -0400 (EDT)
To: traverse@ems.psu.edu
Message-Id: <950908092128.69bc@say.acnatsci.org>
Subject: sampling day
Content-Type: text

Al,

Looking at my calendar, Wednesday the 4th of October would be a good one for me . How about you ?? We could meet along rt. 15 near Williamsport. Do you have any students who might also have that day free ?

I need to be at the Hyner site the next day (Thursday) for the PA Geologists Field Conference trip.

Ted

Hunt Institute for Botanical Documentation

Date: Wed, 6 Sep 1995 14:56:51 -0500 (EST)
From: "Alfred Traverse" <traverse@ems.psu.edu>
To: daeschler@say.acnatsci.org
Cc:
BCc:
Subject: sample collection
X-NUPop-Charset: IBM 8-Bit

Dear Ted:

Good to hear from you, and that new find sounds terrific. I have been noticing the new cuts on 15 whenever we drive up to our place in the Adirondacks and wondering if I wouldn't get spore samples one of these days. Presumably you have found some place to park--it looks like a challenge!

My classes and labs meet on Tues. and Thurs. Thus, I am free Mon., Wed., and Fri. in theory. In fact, Fridays seem to get used up for other things, such as meeting workpersons at our place in the country, etc. Therefore, Wed. or Mon. would be best. We will be up in the Adirondacks on Mon. 9 Oct. Except for that, I think I could join you just about any Mon. or Wed. Sunday is another possibility and would have some advantages. Best before November! How about some nominations?

Best. Al.

Hunt Institute for Botanical Documentation

Received: from SAY.ACNATSCI.ORG (SAY.ACNATSCI.ORG [192.204.19.1]) by pangaea.ems
From: DAESCHLER@say.acnatsci.org
Date: Tue, 5 Sep 1995 16:22:49 -0400 (EDT)
To: traverse@ems.psu.edu
Message-Id: <950905162249.596e@say.acnatsci.org>
Subject: dating rocks
Content-Type: text

Dr. Traverse,

I hope that your summer was enjoyable (great if you like heat, huh?). I'm sure that this week is busy with the new semester beginning. I would like to try and make a time when we can visit more Catskill sites together to collect more samples for plant microfossils. Would you be able to look ahead and suggest a date. I think we could visit the sites, mostly along 15 north of Williamsport, in a day trip.

By the way. Just a few days ago (Sept. 1) I found a beautiful skull of an amphibian or an amphibian-like fish in a construction zone along 15. It will be very exciting but will take much time to prepare. This will probably be bigger than our find at Hyner.

It was great to get some word of the age of Red Hill for the Woodrow et al. paper for the Field Conference. Let's keep in touch.

Ted

Hunt Institute for Botanical Documentation

Date: Wed, 21 Jun 1995 13:08:39 -0500 (EST)
From: "Alfred Traverse" <traverse@ems.psu.edu>
To: Daeschler@say.acnatsci.org
Cc:
BCc:
Subject: samples
X-NUPop-Charset: IBM 8-Bit

Dear Ted:

Sounds good. You and I should collect the samples together, so as to combine my knowledge of how to select the most palyniferous layers and your knowledge of the stratigraphic relations. Let me know when you want to do it. Keeping on my tail also serves to stimulate me to do the necessary microscopic work on the existing slides.

When I did the field trip, one of the students brought her husband, a geologist who was very interested in the sedimentary picture at Hyner. He is there today with Doug and Don Woodrow, who is a big expert on Catskill rocks, as you probably know.

All the best. Al.

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Received: from SAY.ACNATSCI.ORG ([192.204.19.1]) by pangaea.ems.psu.edu
(4.1/PSU_ESSC/GEOSC-2.02) id AA03442; Wed, 21 Jun 95 10:30:21 EDT
Date: Wed, 21 Jun 1995 10:27:28 -0400 (EDT)
From: DAESCHLER@say.acnatsci.org
To: traverse@ems.psu.edu
Message-Id: <950621102728.1961@say.acnatsci.org>
Subject: RE: Devonian spores

Dr. Traverse,

Thank you for your reply.

I would quess that 4 to 6 more samples total would be our goal from other Catskill sites.

Ted

Hunt Institute for Botanical Documentation

Date: Mon, 19 Jun 1995 14:03:23 -0500 (EST)
From: "Alfred Traverse" <traverse@ems.psu.edu>
To: daeschler@say.acnatsci.org
Cc:
BCc:
Subject: Devonian spores
X-NUPop-Charset: IBM 8-Bit

Dear Ted:

Nice to hear from you. I suppose Doug Rowe told you about the field trip for my paleobotany course. It was a great success and he and his pal, Norman the jeweler, came along. It would have been fun and educational to have had you too.

The two productive samples from the Hyner site are high on my priority list, and I do periodically spend a little while with the slides, but I haven't finished the study yet. I can tell you that when I get it done, it will be a darned good fix on the age.

Yes, I now have two of the star students from last year's palynology course working for us as assistants. One of them and I would be definitely interested in sampling and studying "a few other localities" for comparison with the Hyner material. In terms of actually paying the expenses of such an effort, $800 isn't very much, but it would help. To some extent, it depends on how many "a few" are!

Best wishes. Al Traverse.

Hunt Institute for Botanical Documentation

Received: from SAY.ACNATSCI.ORG by pangaea.ems.psu.edu
(4.1/PSU_ESSC/GEOSC-2.02) id AA14750; Fri, 16 Jun 95 11:57:54 EDT
Date: Fri, 16 Jun 1995 11:57:32 -0400 (EDT)
From: DAESCHLER@say.acnatsci.org
To: traverse@ems.psu.edu
Message-Id: <950616115732.ba9@say.acnatsci.org>
Subject: keeping in touch

Dr. Traverse,

I hope you are well and enjoying the spring and summer months. May brought a addition to my family, a little girl named Eliza. All are thriving.

I have made some time to work in the Catskill Formation, mostly in Lycoming and Tioga Counties. Giving the Hyner site a rest for a while, although I know Doug Rowe is diligently keeping an eye on the site.

Have you had a chance to carry-out analysis of the Catskill samples from Hyner ? still curious about whether you or any students would be interested in sampling a few other localities to help with correlations between sites. As I have mentioned before we have a small amount of money ($800) from a National Geog. grant for such work.

Best wishes.

Ted

Hunt Institute for Botanical Documentation

Received: from SAY.ACNATSCI.ORG by pangaea.ems.psu.edu
(4.1/PSU_ESSC/GEOSC-2.02) id AA11260; Fri, 10 Mar 95 09:49:01 EST
Date: Fri, 10 Mar 1995 9:50:03 -0500 (EST)
From: DAESCHLER@say.acnatsci.org
To: traverse@ems.psu.edu
Message-Id: <950310095003.2728@say.acnatsci.org>
Subject: news from Philadelphia

Al,

Our research trip to MOrocco has been postponed for a year (damn paleomagicians couldn't make it). I'm somewhat relieved since I want to get at the Catskill Formation early this year. Also have a baby coming in late May which was perilously close to my return date. I also have a dissertation proposal to prepare.

My last message mentioned that we got National Geographic support for this year' work, including $800 for plant microfossil work. Any students, etc. interested in doing some samples?

Hope you are well. The cancelation of Morocco trip means I'll be around if you are taking students to the Red Hill locality. Keep me informed.

Ted

Hunt Institute for Botanical Documentation

Date: Sun, 12 Mar 1995 13:50:38 -0500 (EST)
From: "Alfred Traverse" <traverse@ems.psu.edu>
To: Daeschler@say.acnatsci.org
Cc:
BCc:
Subject: palynological samples
X-NUPop-Charset: IBM 8-Bit

Dear Ted: How many days do I deal with Morocco twice? At breakfast I was working on one of my hobbies, German crossword puzzles, and had to find a small word for a coastal river in that country. Anyway, doesn't the falling through of that offer the possibility of your taking part in our field trip--perhaps best in the planning trip therefore? # Regarding palynological field samples, I have a consulting operation ("Travspore, Inc.") which hires students to help with processing. I do all the microscopy. I am expecting that with my PSU retirement of 1 July, I will be able to make faster progress with such projects. However, to date I have missed very few, if any deadlines. (The present sub-project, based on the two productive Hyner samples, is a volunteer thing, and that gives it lower priority, but I WILL get to it!) In other words, yes, we'll be glad to work with you. Because of hiring assistants and so forth, it isn't cheap, except by comparison with medical fees. Our cardiologist son is shocked that I work for such picayune fees. All the best. Al.

Hunt Institute for Botanical Documentation

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

6 February, 1995

Dr. Ted Daeschler
Academy of Natural Sciences
Nineteenth and the Parkway
Philadelphia, PA 19103

Dear Ted:

Thanks for e-mail message. I respond by snail mail because I wanted to enclose a copy of yours, as there seems to be an important line or two missing. (This has happened to me too when I tried to change something--I need a lesson on e-mail.)

It's really disapppointing that you can't take part in the field trip. I'll contact Doug Rowe and make a prelim trip to see if Hyner is really feasible. I have a grad student working with me on two problems (Neogene and Cretaceous) who also knows her way around in the Paleozoic. She has a couple of ideas for Pennsylvanian visits in the Shamokin area. It would seem likely to be a great day, weather permitting.

All the best.

Yours very truly,

Alfred Traverse

encl.:xerox of e-mail

Hunt Institute for Botanical Documentation

Received: by pangaea.ems.psu.edu
(4.1/PSU_ESSC/GEOSC-2.02) id AA19962; Sun, 29 Jan 95 11:15:40 EST
X-Nupop-Charset: English
Date: Sun, 29 Jan 1995 11:18:20 -0500 (EST)
From: "Alfred Traverse" <traverse@ems.psu.edu>
Sender: traverse@ems.psu.edu
Reply-To: traverse@ems.psu.edu
Message-Id: <40704.traverse@ems.psu.edu>
To: Daeschler@say.acnatsci.org
Subject: Hyner section

Hi Ted: Gotchyurs of Friday. Hey, I have to add #10 to my list, and it is big: I am under contract to come up with a revised version of my book, Paleopalynology, due 1 July! Nevertheless, please don't be put off; that was not my intention--on the contrary. I wanted to emphasize that you should call every month or so, because that's what galvenizes me into dropping other things for a while and finishing something. Without that, I don't finish anything. By the way, what would you think of my taking my paleobotany class to the Hyner locality as part of the class field trip. Do you think our mutual friend there would be amenable? One of the three samples I brought back was full of promising plant fossils. Best. Al.

Hunt Institute for Botanical Documentation

Received: from SAY.ACNATSCI.ORG by pangaea.ems.psu.edu
(4.1/PSU_ESSC/GEOSC-2.02) id AA10631; Fri, 27 Jan 95 09:29:37 EST
Date: Fri, 27 Jan 1995 9:31:40 -0500 (EST)
From: DAESCHLER@say.acnatsci.org
To: traverse@ems.psu.edu
Message-Id: <950127093140.6bcf@say.acnatsci.org>
Subject: RE: important samples

Dr. Traverse,

Wow! You DO have a substantial work load.

I am glad that the Hyner material is of interest to you and/or your students. You have already given me significant time and energy from your schedual so as I not feel pressured, I do not have any immediate need for your analysis, only my (and others) curiosity.

Best wishes, Ted Daeschler

Hunt Institute for Botanical Documentation

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

6 February, 1995

Dr. Charles P. Daghlian
Secretary-Treasurer, PSBSA
Rippel Electron Microscope Facility
Dartmouth College
Hanover, NH 03755-3832

Dear Colleague:

What, no e-mail address? At least I couldn't find it in your 20 Jan. missive.

What do the explanatory notations R, ER, A & EA under membership status mean? To me it's opaque, though I suppose it was once explained. I'm trying to figure out what R means, as that is for some reason my classification.

If you really do have e-mail connection, which seems overwhelmingly likely despite absence of info about it, you could respond that way.

All the best.

Yours very truly,

Alfred Traverse

Hunt Institute for Botanical Documentation

14 August, 1986

Dr. C. P. Daghlian
Director, Dartmouth Elec. Mic. Facility
Dartmouth Medical School
Hanover, NH 03756

Dear Charles:

I screwed up what I told you and Bill about Pistillipollenites mcgregorii--funny, as I had written an opinion about the matter so recently.

The gist of the whole matter is, however, that the name must remain as Rouse originally had it (see attachment).

1. "mac" (per ICBN 73C.4(a)) "should" have been rendered "mc," but as it was not, it is not an error to be corrected under the Code.

2. --orii is the correct ending per ICBN 73C.1(a), and therefore was correct as you gave it. If "McGregor" ended in -er, the termination would be -eri and would have to be corrected, but that is, of course, irrelevant!

Rouse and Srivastava's "correction" to "mac." in 1970 (Can. J. Bot.) has no greater weight because Rouse published it. It remains "mc-."

Best.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et
cc: W.L. Crepet

Hunt Institute for Botanical Documentation

13 May, 1985

Dr. Charles P. Daghlian, Director
Dartmouth Elec. Mic. Facility
Dartmouth Medical School
Hanover, NH 03756

Dear Dr. Daghlian:

Enclosed are the following residue (glycerin jelly) splits and/or rock samples from DaukkChoi's Eureka Sound work:

rock samples (not enough residue for splits):
794, 7917a, 7921

residues: 7916, 7918, 7919, 7922, 7923a, 7923b, 68a, 7968bb (68a-b very tiny, but not enough rock left to send that either; 68a is especially miniscule, as the tiny amount we did have was mostly lost while being transferred to new vial, as the new vial had a hole in the bottom!)

Hope you can find what you are looking for.

Yours sincerely,

Elizabeth I. Traverse
Research Assistant, Palynology

(I talked to him on phone, so he knew I was sending them — explained you were out of town, etc.)

Hunt Institute for Botanical Documentation

NATIONAL SCIENCE FOUNDATION

PROPOSAL EVALUATION FORM

NSF Form 1B (9-81)
Supersedes All Previous Editions

PROPOSAL NO.	INSTITUTION	PLEASE RETURN BY
BSR-8315186	UNIV OKLA NORMAN CAMPUS	

PRINCIPAL INVESTIGATOR	NSF PROGRAM
DAGHLIAN CHARLES P	SYSTEMATIC BIOLOGY PROGRM

TITLE

INVESTIGATIONS OF FOSSIL ONAGRACEAE POLLEN

COMMENTS (QUALITY OF THE PROPOSED RESEARCH, RECENT RESEARCH ACHIEVEMENTS OF THE PRINCIPAL INVESTIGATOR(S), ETC.) CONTINUE ON ADDITIONAL SHEET(S) AS NECESSARY.

Did NSF realize they were subjecting this proposal to double jeopardy? I was a reviewer of the immediate-ancestor proposal in 1982. I just reread my review of that proposal and note that some of the things I objected to then have been changed or slightly changed. For example, I objected to, and always have, "honorary PIs", and Dr. Peter Raven is now listed as "consultant". He is a most distinguished scientist, and doubtless will be helpful with his unquestionably massive knowledge of the Onagraceae, but it was unfair to reviewers and to competitive proposals for him to be listed on the cover page and to have his impressive biography-bibliography adding to the bulk of the proposal. So, a gain in that direction.

The proposal is, however, still somewhat too long--I didn't say in last year's review how long it was, so I don't know, but the project-description-proper is now 27 (mostly single-spaced) pages long, including plates, captions and tables, not including literature-cited section. But as far as I can recall, it is more compact--nevertheless, more detail about the research is provided than is really needed or is appropriate before the fact for purposes of a proposal.

I still have reservations about the "superbly suited" (p. 1) nature of the family Onagraceae for paleobotanical work. The family does contain the Texas buttercupp (Oenothera speciosa: ye gods!--I just noticed that last year I said it was the state flower of Texas—I really know that is Lupinus subcarnosus!), but I still think as I did last year that many families would offer more likelihood of relevant paleobotanical breakthroughs--and this is after all a paleo-proposal! Although a curious lot, and scientifically of great interest for various reasons, the Onagraceae have not ever been dominant or even important constituents of world vegetation and are not paleobotanically of much impact, nor in the paleobotanical mainstream. For one thing, and this is emphasized by the proposers themselves, the Onagraceae are represented in the fossil record almost exclusively by pollen (mostly referred to one form-genus) and onagraceous pollen ranges from absent (most samples) to very rare in Tertiary sediments. The proposers' suggestion that the very important Cretaceous Normapolles pollen group might have something to do with the ancestry of "Corsinipollenites" seems to me very speculative and unlikely. The main line of Normapolles pollen is certainly tree pollen, most likely somewhere in the Juglandales alliance.

OVERALL RATING: ☐ EXCELLENT ☐ VERY GOOD X ☐ GOOD ☐ FAIR ☐ POOR

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

REVIEWER'S SIGNATURE	REVIEWER'S NAME (TYPED)
	Alfred Traverse

OTHER SUGGESTED REVIEWERS (OPTIONAL)

REVIEWER'S COPY

Hunt Institute for Botanical Documentation

RUN DATE: 06/17/83

In sum, I'd say that this is a well conceived and very well-written (though too long) proposal.. It comes from a first class, beautifully equipped laboratory that deserves support. Would the grant help a particular graduate student?--it would be interesting to know whom. The proposers are excellent scientists who have long been very productive. The budget is unremarkable. My only objection really is that it seems odd to direct such massive scientific expertise and facilities at such an unlikely project.

There are a number of typos that crept in, probably because this was a redo of a previous proposal ("clavatites" in the technical abstract; "equivocal", 6 11. from bottom, p. 5, etc.). All of them are easily forgivable, but the "College Park, PA" on p. 53 is something else! (The geographic location of the place in State College, the post office address is "University Park", which is not a place; just "Pen n State" is current best usage.)

Hunt Institute for Botanical Documentation

NATIONAL SCIENCE FOUNDATION

PROPOSAL EVALUATION FORM

NSF Form 1B (9-81)
Supersedes All Previous Editions

PROPOSAL NO.	INSTITUTION	PLEASE RETURN BY
DEB-8300008	UNIV OKLA NORMAN CAMPUS	

PRINCIPAL INVESTIGATOR	NSF PROGRAM
DAGHLIAN CHARLES P	SYSTEMATIC BIOLOGY PROGRM

TITLE

INVESTIGATIONS OF FOSSIL ONAGRACEAE POLLEN (ENVIRONMENTAL BIOLOGY)

COMMENTS (QUALITY OF THE PROPOSED RESEARCH, RECENT RESEARCH ACHIEVEMENTS OF THE PRINCIPAL INVESTIGATOR(S), ETC.) CONTINUE ON ADDITIONAL SHEET(S) AS NECESSARY.

I would like to say at the outset that I vigorously protest proposals such as this one, even though I give it high technical marks. I have repeatedly said this to various divisions of NSF over the years. However, I have long since despaired that anybody will really listen, or if he listens, do anything. I refer to:

1. The sheer length and complexity of the proposal. Appendix A, for example, contains little that is new--the techniques are good, but not especially innovative. We do the same sorts of things in our lab and have for some years. Also--why should the present results of investigations be reported in such great detail? Tables, more tables, long lists of references and sample sources, etc., etc. It is really a monograph on the subject before the fact. You at NSF would do us all a service by returning this sort of proposal to the proposer with the demand that it be shortened. Instead, despite NSF's own directives, the trend is in the other direction. Two recent proposals of mine were nearly fatally criticized for brevity!

2. The practice of including distinguished co-principal investigators who are listed as a courtesy, because of involvement in the general area of research, and to impress reviewers, should be strongly discouraged. This proposal is really Skvarla's. Daghlian will be closely involved, apparently, but I doubt that the university would allow him to draw no salary from the project if the involvement were really major. Dr. Raven is clearly a very distinguished advisor, but that is not a reason to list him as co-investigator. The fact that there are three investigators unnecessarily pads the proposal.

I insist on dwelling on these matters because if NSF doesn't take a stand, I suppose I'll have "to play the game" and, indeed have already been pressured somewhat to do so,(to write monograph-proposals, list honorary co-investigators, and allow my name to be so listed by others).

Now about the proposal itself. It's per se excellent and very well prepared--though,as I have said, far too detailed. Skvarla is a very talented scientist who has been at this sort of thing a long time and is on top of all the techniques, etc. Oklahoma has a long, illustrious history in palynology, of course, with good collections, equipment, library and supporting staff. They deserve support. One graduate student will be supported (is the person already present?). Daghlian can offer the backup paleobotanical help Skvarla needs. The only criticism of the project I have is that I have great difficulty convincing myself that the Onagraceae really are that important--even though the family includes the state flower of Oklahoma's giant neighbor! I can call off at least half a dozen families

OVERALL RATING: ☐ EXCELLENT ☒ VERY GOOD ☐ GOOD ☐ FAIR ☐ POOR

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

REVIEWER'S SIGNATURE	REVIEWER'S NAME (TYPED)
Alfred Traverse	Alfred Traverse

OTHER SUGGESTED REVIEWERS (OPTIONAL)

REVIEWER'S COPY

Hunt Institute for Botanical Documentation

RUN DATE: 10/06/82

that would interest me more. Onagraceous pollen, for example, is always a very minor constituent of Cenozoic sediments, and practically no other onagraceous fossils exist! I don't want to denigrate an interesting dicot family, but if funds were limited, and somebody wanted to work on fagaceous, chenopodiaceous or composite pollen, I would be hard pressed to justify spending $142,000 on fossil Onagraceae (mostly on onagraceous pollen). The budget is mostly unremarkable, except that is confirms that this really is a Skvarla proposal. I presume the Apple computer will be scrubbed, as I have repeatedly been informed that NSF considers a personal computer comparable to a typewriter. Oklahoma should therefore provide Skvarla and Daghlian with a computer, if they need it, just as they should provide them with a typewriter--out of the $37,000 overhead.

Hunt Institute for Botanical Documentation

March 21, 1975

Prof. A. Orville Dahl
Department of Biology G-5
University of Pennsylvania
Philadelphia, Pennsylvania 19174

Dear Orville:

Thank you so much for your nice letter of 3 March, which was delivered to me in the hospital. I had to have a knee operation to take care of torn cartilage which resulted at least in large part from minor accidents in the field which piled up over the years. It

It's certainly good to know you are still at UP, and I will take advantage of your invitation to join you for lunch one of these months when I am in Philadelphia visiting Paul.

Regarding Sporopollenin--and its color--I have been teaching my classes in palynology over the years that the golden brown staining that results from acetolysis is a low grade ~~colorification~~. I must admit, however, that this is not based on experimental information but on "common sense" thinking. The color produced by acetolysis is so similar to that produced by mild natural coalification that the explanation of enrichment in carbon content was what came to mind. Your glycocalyx paper certainly tends to support the last paragraph of your letter regarding the incredible complexity of the sporoderm. I guess from pressure of other matters I would be from now on an interested observer in such research without much opportunity to be on the ground floor. My stratigraphic work in collaboration with various of my graduate students seems to be taking all of my available research time.

Thank you for writing and best wishes.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/vsi

Hunt Institute for Botanical Documentation

UNIVERSITY of PENNSYLVANIA

PHILADELPHIA 19174

The College

DEPARTMENT OF BIOLOGY G5

March 3, 1975

Dr. Alfred Traverse
529 Deike Bui ding
Pennsylvania State University
University Park, Penn. 16802

Dear Al:

This is a belated "Thank You" for your reprints. Your "Paleopalynology, 1947-1972" is an excellent and judicious contribution.

Congratulations on your son's success--despite the earlier curiosa of Penn's odd Admissions procedures! Please take time to have lunch on one of your visits here.

With reference to your abstract "What is sporopollenin?" (A.J.B. 55:722, 1968) do you have any opinions relating to exine color "due to acid treatment?" Is it due entirely to progressive coalification?

As you know so well, exine--and of course the total sporoderm--is a highly complicated basketry involving polysaccharide, carotenoid, protein, lipid, etc. I find the complex remarkable for its potential for its controlled variations on a theme--yet with great sensitivity with reference to developmental time, genotype, and habitat.

With kind regards.

Sincerely,

Orville

A. Orville Dahl
Professor of Botany

AOD:jjm

Hunt Institute for Botanical Documentation

The Journal of Cell Biology 63(2/2): 75a, 1974.

A GLYCOCALYX EMBEDDED WITHIN THE POLLEN EXINE

A. Orville Dahl and John R. Rowley
Palynological Laboratory, Wallenberg Laboratory
University of Stockholm, S-104 05 STOCKHOLM, Sweden

Among flowering plants, cells with entirely free surfaces occur in the male reproductive line. The walls of these cells (pollen grains) are specific in form and this, in addition to the chemical resistance of the wall polymer sporopollenin, accounts for their extensive use in comparative morphology and stratigraphy. In some species the cell coating (glycocalyx) is known to include mucopolysaccharide attached to the plasma membrane. The ontogenetic period during which glycocalyx involvment has been demonstrable is brief due in part to the presence and high mass of sporopollenin. As a result, hypotheses concerning the function of the glycocalyx of these cells tend to be limited to mediation of the genetic control over wall form. We have observed a distinctive fibrillar network that extends without evident interruption throughout the sporopollenin from the plasma membrane to the limits of the free surface. Artemesia vulgaris (Mugwort) was used for experiments to stabilize and enhance contrast of glycocalyx components and molecules bound to them during pretreatment of intact flowers. Our most favorable observations were made after incubation in "Intralipid" followed by fixation in a Danneel and Weissenfels glutaraldehyde-PTA-osmium tetroxide fixative. We have observed that a glycocalyx associated with the plasma membrane is present during a far later period in pollen development than previously suspected. Glycocalyx components within walls of pollen grains may be involved in recognition mechanisms, uptake and secretion activity, and other plasma membrane-glycocalyx implicated processes despite envelopment by sporopollenin.

Supported by Swedish Natural Science Research Council, B568-77.

Hunt Institute for Botanical Documentation

April 23, 1970

Dr. A. Orville Dahl
The Morris Arboretum
9419 Meadowbrook Avenue
Philadelphia, Pennsylvania 19118

Dear Orville:

Thank you very much for the bibliographic reference to the origin of the term palynology. I have inserted it already in my various lists of terms and am most greatful to have an authoritative statement on the subject. For one thing, it is interesting that the earlier reference is to Hyde along, not to Hyde and Williams.

My visit to Philadelphia last week was very interesting and very busy. I especially enjoyed seeing John Penny again. I had never previously had a real chance to visit with him.

I hope that we can get together again one of these days. Perhaps, you would be able to excuse a trip up here some time as a "busman's holiday". If so, I would very much enjoy showing you our facilities and would like to have you tell my graduate and undergraduate students something about electron microscopy of pollen and spores, a subject about which I'm quite innocent. I would be thinking in terms of an informal get together at our house in the evening while you were here. Unfortunately, although I would have no trouble covering the expenses of your trip, I do not have any honorarium money available at the moment. No hurry, but it is something that I would like you to consider one of these months. Best wishes to you as always.

Yours very truly,

Alfred Traverse
Associate Professor of Geology
and Biology

AT:kc

Hunt Institute for Botanical Documentation

UNIVERSITY of PENNSYLVANIA

THE MORRIS ARBORETUM
9414 MEADOWBROOK AVENUE
PHILADELPHIA 19118

A. ORVILLE DAHL, *Director*

April 15, 1970

Dr. Albert Traverse
Dept. of Geology-Geophysics
PENNSYLVANIA STATE UNIVERSITY
University Park, Pennsylvania 16802

Dear Al:

Thank you for your Test Gardens post-card. It will be nice to have that kind of weather one fine day.

Relative to your telephone call last week I provide the following citations. It would appear that the earliest, formal proposal of the term "Palynology" was published as follows:

Hyde, H. A., 1944, Pollen analysis and the museums. Museums Journal Vol. 44 : 145-149. London.

Apparently, during the same year Dr. Hyde and D. A. Williams suggested the term palynology in the "Pollen Analysis Circular" for October.

Naturally, I am sorry that my possible copies of these papers still remain cryptically in one of a vast number of packing cases.

With kind regards.

Sincerely yours,

Orville

A. Orville Dahl
Director and Professor

AOD:am

Hunt Institute for Botanical Documentation

December 8, 1969

Dr. A. Orville Dahl
Morris Arboretum
University of Pennsylvania
9414 Meadowbrook Avenue, Chestnut Hill
Philadelphia, Pennsylvania 19118

Dear Orville:

I greatly appreciated your generosity with your time in showing me around the biological facilities at the University of Pennsylvania and having me to lunch in your magnificant faculty club. It is especially good to have re-established professional contact with you, and I hope that it will develop in the future that we will see more of each other.

You expressed an interest in the American Association of Stratigraphic Palynologists, and I am therefore enclosing an application blank--if you are interested, you need not be concerned about the sponsor business. I am also sending you a copy of the abstracts for the recent convention. Unfortunately, Don Larson was the one speaker who failed to get an abstract in to us in time, and I suppose it would be the paper which would interest you the most. I really think it would be to your advantage to join the AASP, however that might be, it certainly would be of interest to the rest of us to have somebody like yourself whose specialization within palynology is, in a complimentary sense (!) eccentric.

I had one ax to grind while I was with you which I forgot to bring up. I wonder whether you used to get the famous Pollen and Spore Circular? I have a set of these things which is nearly complete, but am lacking three or four numbers. If you do have that very interesting "journal" in your files, I would very much appreciate being able to have photo copies made of the numbers which I am missing so that my own set is complete. I hope that I will strike it rich on this, as my luck with others have not been good.

Hunt Institute for Botanical Documentation

It is strange to report that while you and I were discussing the question of the disturbing trends in undergraduate student bodies at various universities, my son was having an experience with your admission people which confirms some of my worst suspicions about the fads which are now in vogue among those who set admission policies. My son was told by the man who interviewed him that the University of Pennsylvania is not in 1969-70 primarily interested in getting students who have high scores in the College Boards, high standing in their class, excellent personal qualities, and much evidence of leadership ability--instead, they are convinced that the mission of the Ivy League universities is to provide education for those whom the state universities will turn away! He went so far as to tell my son that boys such he are "too Middle Class". I know that similar opinions are being expressed by admissions people at other institutions, such as Harvard, for example. I would be inclined to discount it as just so much hot air, except that the visible composition of the student body seems to confirm my worst suspicions about what is going on. Don't misunderstand me--I am not concerned about whether Paul is admitted at the University of Pennsylvania. I would be quite happy for him to attend Penn State, and from a financial point of view it would be much more attractive. What concerns me is the evidence of a latent "death wish" to be found in the admission policies of some of the best educational institutions in our country, institutions which have been fostered through the blood, sweat, and tears of generations of people. I somehow feel that there is more than a "generation gap" to all of this. At times I feel like emigrating to New Zealand--except my friends from New Zealand tell me its just as bad there!

Thanks again for having me around. I will be looking forward to hearing from you about the AASP and, I hope, about the Pollen and Spore Circular. Best wishes of the season to you.

Yours cordially,

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

AT:vsi
Enclosures:

Hunt Institute for Botanical Documentation

April 30, 1968

Mr. E.G. Dahlgren
205 Shartel Building
5225 N. Shartel Avenue
Oklahoma City, Oklahoma 73118

Dear Mr. Dalhgren:

We are pleased to have your application for membership and your dues for the current year. You have provided so much information that I can see no reason why you should have to fill out an application in addition to your letter. The Executive Committee will act on your application in the near future--I am sure positively.

Regarding your oil and gas dictionary, I really don't know what to advise, short of writing a section of the book! There is the "Morphologic Encyclopedia of Palynology" by G.O.W. Kremp, published at the University of Arizona Press a couple of years ago. However, this encyclopedia treats only morphologic terms, few of which would be of use to you in your book. The same goes for the helpful glossary in the back of G. Erdtman's book in three volumes on pollen and spore morphology. The definitions that you want, dealing with stratigraphic applications of palynology, have never been gathered together in a glossary so far as I know. It would be an interesting piece of work to assemble such a glossary, and I wish I had time to do it myself. If you ever had time and inclination to come to Penn State, you could use our literature collection for this purpose, but really it wouldn't make much sense to do so as there is an equally good collection and one of the best informed palynologist in Norman. Dr. L.R. Wilson is virtually the founder of American palynology.

Hoping that this information is somehow useful, I am

Yours very truly,

Alfred Traverse
Secretary-Treasurer

AT:kwc

Hunt Institute for Botanical Documentation

June 25, 1971

Dr. Paul W. Dailey, Jr.
229 Oak Lane
State College, Pennsylvania 16801

Dear Paul:

I am enclosing xerox copies of a couple of charts from one of the papers that I used in my TV talk. As you can see, it is somewhat more detailed than the mockup I used on TV. It occurred to me that you or your wife might wish to get from some library somewhere a copy of the bobk "Hayfever plants" by R.P. Wodehouse, per the enclosed xerox. The book is not new but is as definitive as ever.

Thanks for your interest.

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT/mdw

Hunt Institute for Botanical Documentation

6-16-71

DR. TRAVERSE:

PLEASE MAKE TWO (2) COPIES OF YOUR ALLERGY CHART AND MAIL IT TO:

PAUL W. DAILEY, JR.
229 OAK LANE
STATE COLLEGE, PA.

I WILL BE LEAVING - BUT MY WIFE WILL REMAIN IN TOWN UNTIL OUR HOUSE IS SOLD. IF YOU PREFER, SHE COULD DRIVE IN AN PICK THE CHARTS UP AT YOUR OFFICE. OUR HOME PHONE # IS 237-0183. THANK YOU.

Paul W. Dailey Jr

Hunt Institute for Botanical Documentation

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

12 February, 1987

The Editor, Daily Collegian
Carnegie Building
University Park, PA 16802

Dear Friend:

Regarding the article, "Oldest land-creature fossils found in PA," in the 10 Feb. Collegian, I have a few comments. For years my students and I have been working on evidence of land-life in the rocks along US 322 near Potters Mills, just above and therefore just a bit younger than those involved in the Harvard-Oregon work reported in your news release. Many local colleagues, who know about our work have asked for a clarification of it in connection with the Harvard-Oregon work. (Why the Harvard-Oregon paper did not mention our related research, I have no idea).

Our investigations have been concerned with the fossils of land dwelling plants about 440 million years old, and several former students and I have produced the only systematic studies of such plant fossils yet published. One of these students (Paul K. Strother) is now a professor at Boston University, and he and now his graduate students, have also been working on the US 322 roadcuts. It is clear that Strother and I need lessons on how to get headlines.! Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

Hunt Institute for Botanical Documentation

910 Rockmoss Ave
Newark, DE 19711
December 8, 1990

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

Dear Dr. Traverse:

Now that the fall semester is coming to a close I am finally finding the time to write to you. Student teaching has gone well but I am looking forward to returning to the park. It will be nice to spend some time on the student's side of the desk rather than creating fun and exciting lessons. I hope that your fall has gone well and that you and Mrs. Traverse are both in good health. I am sure that you are both looking forward to a relaxing break before the spring semester begins.

I wanted to remind you that I am still planning to take your course this spring. I will not appear officially on your class registration due to a conflict with the course that I need for graduation. There is an overlap of one hour of your lab with the other lecture so the computer will not let me pick up the course until the first day of classes. I am crossing my fingers that there are still openings in your class or that you are willing to accept one more eager student.

Besides taking your course this spring, I am interested in working in your lab. I am not taking a full course load so I should be able to devote 20 - 30 hours a week to the lab. I am excited at the prospect of working with you and Mrs. Traverse again. Completing my independent study under your supervision was the highlight of my summer this year!

I should be in the State College area the week before the spring semester begins. Your door will be one of the first that I knock on (Second only to finding a place to live!!) If you wish to contact me prior to that I can be reached at 302- 366-8714 after December 14 th.

I look forward to seeing you in January! I hope that you, Mrs. Traverse, and the rest of your family have a happy and safe holiday season!!

Sincerely,

Beth Daniels

Hunt Institute for Botanical Documentation

AMERICAN ANIMAL HOSPITAL ASSOCIATION
MEMBER HOSPITAL

JORDAN R. DANN, D. V. M.

TELEPHONE 438-2658

RIDGEFIELD VETERINARY HOSPITAL
679 DANBURY ROAD
RIDGEFIELD, CONN. 06877

December 2, 1974

Dr. Alfred Traverse,
Pennsylvania State University,
Department of Geology,
809 Cornwall Drive,
State College, Pa. 16801

Dear Al:

Season's greetings to you, your wife and your lovely children from our family.

Al, a very pleasant man, Bill Woody, who happens to be a really good client of ours and somebody we also consider a friend, will probably be getting in touch with you in the near future. He is a Yale graduate art historian, in the midst of writing a trilogy involving the history of art with certain historical and theological perspectives. He is doing some work at Penn State University, and goes there twice a month to work on this project. I suggested to him that he get in touch with you because I thought you would enjoy meeting him, and he meeting you.

It appears we never get into your neck of the woods, and I wondered if you and your wife and family every wander through this part of the country. We would love to see you, and I certainly would look forward to hearing from you in that regard. Hope this letter finds all of you in good health.

By the way, we spent the Harvard weekend with our good friends, Judy and Phil Boudreau and had a pleasant time. As you can imagine, the game was a real heart-stopper and loads of fun.

Cordially,

Bob Dann

JRD:orp

Hunt Institute for Botanical Documentation

March 30, 1973

Prof. William C. Darrah
Spruce Hill, R.F.D. 1
Gettysburg, Pennsylvania 17325

Dear Bill:

I want to thank you and Helen very much for your gracious hospitality and especially for your assistance in the field. We found some additional outcrop material of considerable interest after we left you but we were so pressed for time we had to hurry home, and I am contemplating having another go at it one of these days, so you may no doubt see us innAdams County again before too long.

It was certainly good to see you again and especially on your own home base. Best wishes to you as always.

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT/vsi

Hunt Institute for Botanical Documentation

DEPARTMENT OF BIOLOGY
GETTYSBURG COLLEGE
GETTYSBURG, PENNSYLVANIA 17325

October 14, 1972

Dear Al,

I enjoyed so much seeing you again and chatting about many things. Herewith is my flier about PITHOLE.

Sorry this has your university address. I've mislaid the card with that of your home.

Last week I had probably my last field trip of the season collecting in the highest anthracite beds west of Pottsville. Just possibly I might get in one more in the upper Mercer in northwestern Pennsylvania if good weather extends into November. I've been collecting Neuropteris ovata for the past 20 years trying to study the continuum of the species.

Hope all goes well with you and your family.

With all good wishes,

Cordially,

Bill

Hunt Institute for Botanical Documentation

WILLIAM CULP DARRAH
SPRUCE HILL, R. D. 1
GETTYSBURG, PENNSYLVANIA 17325

Nov. 28, 1970

Dr. Alfred Traverse
The International Compendium of Palynological Systematics
Deike Building
The Pennsylvania State University
University Park, Pa. 16802

Dear Al,

Thanks for your inquiry about my monograph on Upper Pennsylvanian floras. A flier is enclosed. The price seems horrible, but it is barely 5% over actual cost.

It may seem strange but I have been to the University Park campus only once in twenty years — and that time around 1960 — I would like much to pay a visit and perhaps next spring can do it. Since I am unable to operate a car my travels are limited to my wife's convenience and other uncertainties.

We have had some health problems all semester starting with a three-car collision in which we were innocent victims stopped at a red traffic signal. Otherwise all has been going well. I have at last tackled a revision of the Dunkard flora, probably the remaining "big" job on my work list.

Hope all goes well with you and your family.

Cordially,

Bill Darrah

Hunt Institute for Botanical Documentation

November 23, 1970

Prof. William C. Darrah
Spruce Hill
R.F.D. #1
Gettysburg, Pennsylvania 17325

Dear Bill:

I recently saw a reference to your publication "A Critical Review of the U-per Pennsylvanian Floras of the Eastern United States..." It seems to have been published privately by you recently. Could you tell me how to go about getting a copy?

When are you going to favor us with a visit to Penn State? Surely you must get up this way once in a while?

With best regards for your wife and hoping that all is well with you, I am

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT/vsi

Hunt Institute for Botanical Documentation

January 10, 1975

Mr. Charles Ryan
Dakota Prairie Mines
Box 706
Puyallup, Washington 98371

Dear Mr. Ryan:

Thank you for yours of 31 December and the sample of leonardite. The use of leonardite for agricultural purposes seems very sound to me--the stuff is mostly humic matter. Its value as a medicinal product, however, seems a little far fetched.

Best wishes.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/vsi

Hunt Institute for Botanical Documentation

Dec. 31, 1974

Dear Dr. Traverse:

It has been a long time since I have written to you. I hope everything has been going well for you all of this time.

Inclosed is a sample of my leonardite. This sample has been dried some at our plant.

We dry the leonardite by blowing it through a gas furnace. You may have seen our plant at Williston North Dakota.

I have been working on a cure for arthritis and have some good information on what is needed. I also am interested in a mineral product to sell in health food stores.

I am wondering how we could get the spores and pollon out of the leonardite?

I think this leonardite has some value in human nutrition if I could get it into a pure state.

I also have been working on products for farming and

Hunt Institute for Botanical Documentation

nurseries.

So far a liquid leonardite product is selling very well. There is also a dry product that is used when planting seeds such as cotton.

I will send you a case of the liquid leonardite product in the near future. You can use the material in your garden.

If you have any ideas on how we can use the leonardite for human use let me know.

Later on I will be back your way and if you have time I will stop in and see you.

Sincerely

Charles Ryan

Hunt Institute for Botanical Documentation

Dakota Prairie Mines

AGRICULTURAL PRODUCTS FROM LEONARDITE

Missouri River Brand

Box 706, Puyallup, Washington 98371

Sept. 24, 1972

Dear Professor Traverse:

Thank you very much for your recent letter. I am glad to know the samples of wood I sent you are of the family to which the swamp cypress and sequoia belong.

I am glad you are interested in leonardite and humic acids because I spend all my time trying to work out new uses for the material.

I am wondering if you have grown anything from the spores found in the leonardite? I have been trying to find someone who would try growing spores in flasks on a rocking table. So far everyone I talk to is too busy or think the idea is no good. It would be interesting to see what could be grown from this material.

I have been trying for a long time to find out how the different properties in leonardite could be seperated. I would like to be able to extract the calcium, iron, and the humic acids from the leonardite.

I have been told the humic acid derivatives are humic acid, ulmic acid, fulvic acid, and hemimellitic acid. I am wondering if I am getting good information or not.

Has anyone tried to do anything other than grow plants and trees with humic acid. I as you know think somewhere there is a medical use for the material.

Would a person suffer any ill effects if they ate any leonardite. There are many mineral products sold in this area that are just lignite coal that has been refined and made into a pill. It seems many people with arthritis are using these pills.

I am a farmer and got interested in leonardite six years ago. Our family has a leonardite mine and I want the material used for something better than the making of drill mud for oil wells.

I would like to drop by and visit with you soon if you had time to see me. I know you are busy and have little time to visit with people from outside your college.

I would like to put together a company to sell products made from leonardite. If you had some ideas on what I should be doing in the way of research I can get the job done hereon the west coast.

Let me know if you would think coming back to see you would be a good idea or not.

We have lots of leonardite and good sales people all we need in a new company is someone like you who knows all about the leonardite.

Wishing you every success in your work

Sincerely

Charles A. Ryan Jr.

Hunt Institute for Botanical Documentation

Dakota Prairie Mines

AGRICULTURAL PRODUCTS FROM LEONARDITE

Missouri River Brand

Box 706, Puyallup, Washington 98371

Sept. 18, 1972

Dear Mr. Traverse:

I have been wondering if the wood samples I sent you were large enough to be of any use to you. I can send you pieces that are a foot or so long and six or so inches across.

I hope to be in your area before too long. If you are not too busy I would like to stop in and see you.

I am still interested in what new uses we could find for our Leonardite.

I hope you will find out just what kind of trees the samples from the mine are.

Would you be interested in seeing what could be grown from the sporesi in the Leonardite?

Sincerely

Charles A. Pepin Jr

Hunt Institute for Botanical Documentation

CATALOG OF FOSSIL SPORES AND POLLEN

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

THE
INTERNATIONAL COMPENDIUM
OF
PALYNOLOGICAL SYSTEMATICS

September 15, 1972

file Dakota Prairie Mines

Mr. Charles A. Ryan, Jr.
Box 706
Puyallup, Washington 98371

Dear Mr. Ryan:

Thank you for yours of 13 August, the pictures, and the sample of leonardite. My interest in leonardite goes back many years and had to do primarily with the humic acids contained therein. Most of the questions which you raise regarding technical aspects of the use of leonardite are well outside of my realm of competency, though I was extremely interested to hear your comments. My primary research interests have to do with fossil plants and in particular with pollen grains and spores of such plants. Incidentally, leonardite is extremely rich in such things.

In the meantime, we have made the thin sections of the silicified wood which you sent earlier, and I have spent a little time studying them. It is clear that the wood is coniferous wood, and it seems very similar if not identical to other silicified woods I have studied from the Fort Union Formation of North Dakota. Indeed, the wood structure which is preserved in the lignite itself is also seemingly similar to, if not identical, with this sample which you sent. I would probably be inclined to think that this coniferous wood belongs to the family Taxodiaceae, the family to which swamp cypress and sequoia belong, but I must emphasize that the identification of fossil coniferous woods is beset with many difficulties!

Best wishes to you.

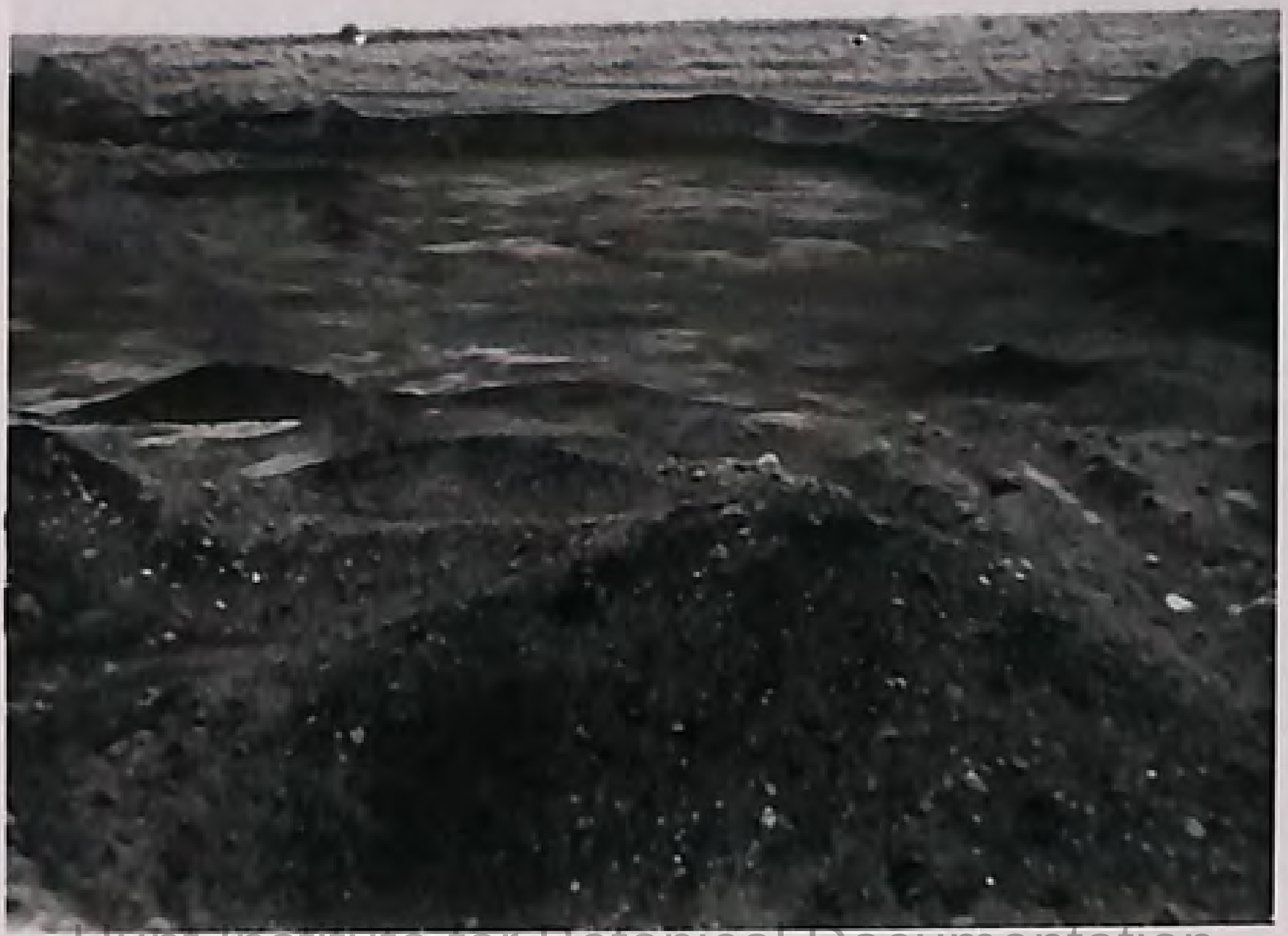
Yours very truly,

Alfred Traverse

Alfred Traverse
Professor of Geology & Biology

AT/vsi

Hunt Institute for Botanical Documentation



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SEP 71

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Dakota Prairie Mines

AGRICULTURAL PRODUCTS FROM LEONARDITE

Missouri River Brand

Box 706, Puyallup, Washington 98371

August 13, 1972

Dear Sir:

Thank you for your letter of August 7, 1972.

Inclosed are several pictures taken from our mine in Williston, North Dakota. I have given some information about the subject of the picture on the back.

My family owns this open pit mine and we sell Leonardite to GeoResources Inc. who in turn makes the material into drill mud, fertelizers, foundry materials, etc. GeoResources lease the land and pays us so much a ton.

I sell for GeoResources Inc. and do research work for them on a commission basis. I work with such people as Standard Oil of Calif., Dole Pineapple Co, Union Oil, Green Giant Inc. and dozens more. I try to work out a solution to problems these different people have.

I am interested in the great amount of arthritis in the country. It seems as though nearly everyone I know has at least a little of the disease. Some time ago The Green Giant Co. found that our Leonardite had a different type of calcium than they had known before and our material stopped many diseases usually found in green house research work. I wonder how we could isolate the calcium in the Leonardite?

I am interested in growing spores but I do not have the equipment to go ahead with this project. I am wondering just what we could grow from some of our Leonardite.

I have spent most of my life in research work and I have worked with insect sprays, weed killers, harvesting equipment and most anything else you could think of. My only interest now is to find out what we can do with Leonardite.

I am sending along a envelope with some Leonardite from the Williston mine for you to look over. Maybe you would be interested in working out a solution to my problem of someone to grow spores from the material from the mine. Also you no doubt know how we could isolate the calcium in the material. The only thing I know is the agriculture end of this work and I know nothing of what you know about this material.

I would like to come back and visit you and learn more about Leonardite. I know you are very busy all of the time but maybe you would have time to go to dinner with me and we at that time could talk over what I am trying to learn about calcium and growing spores.

I don't seem to find University Park on my map. I thought I had been in every city in your state but I guess I missed yours.

I will send any amount of Leonardite to you so let me know what you think of my ideas.

Thank you again for writing.

Sincerely

Charles H. Ryan Jr

Hunt Institute for Botanical Documentation

XXXXX

19 November, 1979

Mr. Barrie Dale
Universitet I Oslo, Institute for Marinbiology
Postboks 1069
Blindern, Oslo 3, Norway

Dear Barrie:

Thanks for the neat card of the Oseberg ship--hope I get to see it one day.

Re the dinos in the Black Sea cores--yes, I do intend to do systematic work on them--probably in collaboration with Geoffrey Norris, if he can put up with me (we have already spent a couple of days together--one here, one in Toronto, on this)!

As soon as I get the International Commission for Palynology off my back and the 5-IPC behind me, I should be able to get more done again.

All the best.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

Hunt Institute for Botanical Documentation

Ca
25-x.77

Al: This is the student who has similar forms to those T. cf pisiformis things of yours (9 km/s from Miocene deposits). Hope you contact him — 9 km/s changes are good for extending range of KTS, or similar forms, into the Tertiary.

INSTITUTE OF HISTORICAL GEOLOGY AND PALAEONTOLOGY
UNIVERSITY OF COPENHAGEN
Øster Voldgade 10 — DK-1350 Copenhagen K — Denmark
Telephone: +45·1·1188 66 — Telegram: Unigeol

Date: 14-9-76.

It was good to see you both again — hope you had an enjoyable trip home.

Best wishes from Scotty + me, Barrie. Dale

Yours sincerely

Stefan Piasecki

Stefan Piasecki

Hunt Institute for Botanical Documentation

Oslo, Norway
The Viking Ships Museum
Osebergskipet
The Oseberg Ship
Le Navire d'Oseberg
Das Schiff von Oseberg

18.10.79.

P.S. I am hoping to get a job in the Geology Dept. and really get down to Quaternary diatoms!).

Dear Al, thanks for the ~~letter~~ reprints of Blade Sea reports (DSDP). They ~~reminded~~ reminded me once again that I have been meaning to ask you if you plan follow-up work to clarify/identify the cyst types which you mention. I think this would be very important for we diato workers – and if nec. I would offer any help I could – though please don't misunderstand (I have more than enough to do and am not particularly looking for yet another project!). But I do think it should be done?

Best wishes to you & your good family

Barrie.

PRINTED IN NORWAY

M-1328/14

Prof. A. Traverse.

Dale

Hunt Institute for Botanical Documentation

THE OPEN UNIVERSITY

HIGHER DEGREES OFFICE

Confidential Reference on Applicant for Admission to Read for a Higher Degree

file

SECTION A

Full name of applicant:

Mr. Barrie Dale

Subject for which application is being made:

Earth Sciences

Name of referee:

Professor A. Traverse

SECTION B

Would you please comment below on the suitability of the applicant to study for a Higher Degree of the Open University. If the applicant is taking his first degree this year, please give an estimate of his likely result.

I know nothing of The Open University and its programs, but I do know Barrie Dale quite well. Mr. Dale is the best example I have ever known of the failure in some instances of the normal academic machinery in society. It was not until I had met and worked with Barrie several times that I found out that he had no degree. I was astonished and suggested at the time that some way should be found to get around this difficulty; I would like to have seen him in a doctoral program somewhere. He absolutely has all the qualifications--a quick and perceptive mind, breadth of knowledge about many aspects of science, ambition and willingness to work hard. Indeed, he already has enough publications to be considered a de facto Ph. D. That many of the papers are co-authored is mostly an indication of the state of the profession--it is hard for a man without a degree to get sole authorship of a paper in a technical field. On the purely personal level, Barrie is good to have around, always cheerful, always cooperative. His wife is a charming person, cultivated and educated in her own right. They make a most xinteresting couple. In brief, I highly recommend Mr. Dale. I am sure that you will be glad you got him, if you do.

Name: Alfred Traverse Signature: Alfred Traverse

Date: 30 Oct., 1974 Title & Institution Professor of Palynology

Pennsylvania State University

Please return this form to:

Hunt Institute for Botanical Documentation

July 17, 1974

Mr. Barrie Dale
Inst. For MarineBiologi Og Limnologi
Univ. Oslo
Oslo, Postboks 1069
Blindern, Oslo 3, NORWAY

Dear Barrie:

Thank you very much for your recent letter of explanation about your momentous decision. One of these days you will be in the position that a famous professor at Harvard was in around the turn of the century. People were always asking him why he didn't have a degree and his answer always was, "who would examine me?". I especially appreciated the warmth of your letter and the invitation to visit you. I certainly wish we could. I loved Norway when I visited there almost 20 years ago.

Best wishes to you and Scottie and thanks again for writing.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/vsi

Hunt Institute for Botanical Documen

UNIVERSITETET I OSLO

INSTITUTT FOR MARINBIOLOGI
OG LIMNOLOGI
AVD. MARIN BOTANIKK
TELEFON 46 68 00

OSLO,
POSTBOKS 1069
BLINDERN, OSLO 3

file: Barrie Dale

Prof. W.A.S. Sarjeant
Room 105/2 (Geological Sciences)
General Purpose Building
University of Saskatchewan
Saskatoon Canada

8/7/74

Dear Bill,

As you may be able to distinguish from the complicated letter-head, we are now in Norway. I explained to you earlier that I was coming here to begin research which I have had in mind for some time now. This will involve checking dinoflagellate cyst assemblages in surface seds. from areas where good phytoplankton records have been kept in an attempt to establish just how representative the cysts are of "real" plankton.

The time has come for a decision re joining you and working for a degree. I have not found this an easy decision to make; there are good arguments both for joining you and for working here but I can't do both. On balance, I have decided that for right now I should stay here, at least for a year. I wont go into details, this is just a note to let you know my plans, but for now it seems sensible to take advantage of the unique opportunities offered here.

I have been granted visiting investigator status here for a year with an excellent lab and equipment plus boat-time and some technical help. Above all this is probably the best department anywhere for phyto-plankton studies and just being surrounded by this staff is already proving to be a rich experience. After only three weeks I have realised that I couldn't possibly take full advantage of the opportunity this affords and begin degree work this fall. So I plan to do as much research as possible and learn what I can from the plankton people here for the next year, and reconsider the possibility of degree work next year.

I sincerely hope that you will understand, Bill, and I would like to thank you and others in your department who have made efforts on my behalf. Please realise that my decision is not based on misgivings re you or Saskatoon, but enthusiasm for what I think I can do and learn here. So

Hunt Institute for Botanical Documentation

Hunt Institute for Botanical Documentation

10/7/74

Dear Al,

This is a copy of a letter which I just sent off to Bill S. explaining why I will not be going the degree route - at least not this year!

I know that you have been one who has counselled me often about the need for a degree, and what I wanted to do was to first of all thank you sincerely for your encouragement and the letter of recommendation, but also to try to explain my decision. My thanks are easy to express since I appreciate very much the efforts which you have made on my behalf; I'm not sure that I can adequately explain why I am here doing what I am doing rather than planning to join Bill for degree work.

About all I can say is that for a long time now I have felt that our kind of palynology has somehow passed into an "interpretive stage" without having tested some of the basic premises used in such interpretations. Dinoflagellates are being used increasingly as paleo-indicators of "whatever", and the further back one goes in time, the "easier" the interpretation. I think it's time to check out such things as "how does the cyst record in sediment relate to the living plankton" and simple minded questions like that. (This probably reflects something simple-minded about <u>me</u> rather than real deficiencies in palynology - but I haven't been able to shake the idea so I've come here to try to do something about it!) At first I had thought to try to do the field wk. and reference wk here and try to write it up for a degree at Saskatoon but very quickly I have realised that it makes more sense to try to stay here longer and hopefully do a good job.

Well I could ramble on much longer in that vein and still probably not feel that I had adequately explained, I suppose I must just hope that you will understand! Anyway, I have a years leave of absence from WIGI and plan to spend at least that amount of time here (for some reason David's scientific interests have shifted heavily to the Mesozoics of Europe + THE NORTH SEA! So that's hardly the place to do my sort of work anymore) If you and/or your good family are ever near here (ie <u>anywhere</u> in Europe) we would expect you to come and see <u>us</u> - So please do. Otherwise we look forward to seeing you again somewhere, someplace, I hope in the not too distant future. I will try to keep in touch.

Our fondest wishes to you and Yours.

Sincerely, Barrie + Scotty. Dale

P.S. George seems to be holding his own, Mayhews have moved to join the family in Massachusetts. His condition physically has stabalised somewhat but his perception is sadly reduced.

WOODS HOLE OCEANOGRAPHIC INSTITUTION
WOODS HOLE, MASSACHUSETTS 02543

28 January 1974.

Phone (617) 548-1400
TWX 710-346-6601

Prof. Alfred Traverse,
College of Earth & Mineral Sciences,
Dept. of Geosciences,
The Pennsylvania State University, Deike Building,
University Park, Pennsylvania 16802,

Dear Al,

This is just a quick note to thank you very much for your kind offer to write a letter to Bill Sarjeant's People, on my behalf. At a time like this, when I am "casting about" looking for some chance to break away and begin to make my own contribution, it certainly feels good to receive a vote of confidence from someone like yourself.

Scotty's father is home, now, and though his mind wanders he seems to feel an inner peace which is in pleasant contrast to the obvious distress he felt in hospital. Scotty is in California with them and is a tremendous comfort; she appreciated hearing about your letter.

Best wishes to you, and thanks again,

Yours Sincerely, Barrie Dale

Hunt Institute for Botanical Documentation

January 18, 1974

Mr. Barrie Dale
Woods Hole Oceanographic Institution
Woods Hole, Massachusetts 02543

Dear Barrie:

Thank you for yours of 14 January. I really have felt for a long time that you should "do something" about your educational picture. I really think you should have got yourself into a bachelor's program at Boston University or something several years ago. However, it looks like this chance at Saskatchewan is a good one, and I will only be too glad to write you as strong a letter as anybody possibly could.

I certainly am sorry to hear about Scotty's father. Although I gather he does not remember it, George Mähew and I were frequent luncheon partners in the late '40's, and I have very fond memories of him. I do hope that the prognosis turns out to be incorrect.

Best wishes.

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT/vsi

Hunt Institute for Botanical Documentation

WOODS HOLE OCEANOGRAPHIC INSTITUTION
WOODS HOLE, MASSACHUSETTS 02543

Phone (617) 548-1400
TWX 710-346-6601

14 January 1974

Prof. A. Traverse
529 Deike Building
Pennsylvania State University
University Park, PA 16802

Dear Al:

Please find enclosed a copy of a letter from Bill Sarjeant to David. As you will see, this is a request for documentation re my possible admission to Saskatchewan for an M.Sc. course.

When I saw you in Anaheim, I mentioned the fact that I was seeking a move from here. David's research interests have shifted to the Mesozoic, and having spent the past nine years developing techniques, and learning taxonomy to work with Quaternary to Recent dinoflagellates, I feel that to be the direction in which my own best contribution is to be made. I have declined his offer to assist him beyond May of this year, and am looking round for alternatives. Sarjeant heard this, and is kindly investigating possibilities for me in Saskatoon.

You will see from his letter that he asks for letters of support from "others", and I am writing to ask if you would be willing to write such a letter on my behalf. I realize that this may not be easy, since I do not have a degree, and I hope that you will not feel "put on the spot". If you feel that you cannot write such a recommendation, please let me know, and realize that I will understand and in no way be offended!

Meanwhile, I hope your work progresses, and that you and your good family are all well; we send personal wishes for a very happy 1974 to you all.

This is a particularly sad time for Scotty and myself; you will be sorry to hear that her father had a very bad heart attack just before Christmas and his prospects for recovery are not good.

Yours Sincerely,

Barrie

Barrie Dale
Research Associate

BD/aw
Enclosure

Hunt Institute for Botanical Documentation

RESEARCH VESSEL ATLANTIS II

One of the few major ships designed and built for basic research in oceanography. Atlantis II is 210 feet long, 2300 tons, 17 foot draft, cruising speed of 12 knots, range 8,000 miles. Her research equipment includes four laboratories, underwater observation chamber, underwater lights, bow propoulsion unit for sideward movement.

SA1609

NATURAL COLOR by Mike Roberts BERKELEY 2, CALIF.

Published by Bromley & Company, Inc., Boston 15, Mass.

Also Lamont - dc V&S

Dear Al, yes they did boo-boo! I dutifully sent off my registration forms (and my $18.00 !!!) but have received only a receipt for the cash and no information re accomodation which I requested in the inn.

Hope you can do something at this late hour. I'll bring my sleeping-bag just in case it's back to the woods!

See you on Sunday? cheers Barrie Dale. DALE

Dr. Alfred Traverse,
Dept. of Geology + Geophysics,
The Pennsylvania State University.
University Park,
Pennsylvania 16802

Hunt Institute for Botanical Documentation

December 20, 1974

Dr. J.R. Dann
Ridgefield Veterinary Hospital
679 Danberry Road
Ridgefield, Connecticut 06877

Dear Bob:

Thank you so much for your nice letter of 2 December. It is good to be remembered by old friends, and I certainly wish it were possible to spend more time with you more often. We will be delighted to entertain your friend, Bill Woody, if he contacts us. I wonder if it really is Penn State University, however, as I didn't know we had any claim to fame in art history. Are you sure it isn't the University of Pennsylvania?

You mention the unlikelihood of your ever getting in our neighborhood. If you should happen to drive from Connecticut to, say, Cleveland, you must go right through State College. It would be delightful to have you as guests.

Betty and I took in the Princeton game but can seldom make it all the way to Boston. However, one of these days when I do--look out! I'll stop in Ridgefield. Best wishes until then and especially for the holiday season.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/vsi

Hunt Institute for Botanical Documentation

file Darco

September 21, 1967

Dr. C.W. Broughton
Project Leader
Darco Experimental Laboratory
Drawer U
Marshall, Texas 75671

Dear Cliff:

Many thanks for the beautifully packaged (!) samples, which arrived a couple of days ago in like new condition. I do hope that we shall be able to do enough good with them to justify what I know was a considerable amount of trouble for you. By all means you will hear about the progress of the work--I suppose it may seem an unconscionably long time!

Just when I might be able to prowl around in your area again I don't know. It wouldn't be long if I had my choice. I really developed a feeling for Texas in my 12 years there, and I don't think I'll ever quite get over it.

Thanks again for your help. I look forward to seeing you again one of these years.

Yours very truly,

Alfred Traverse
Associate Professor of Geology

AT/pk

Hunt Institute for Botanical Documentation

ATLAS CHEMICAL INDUSTRIES, INC.

CHEMICALS DIVISION

DARCO EXPERIMENTAL LABORATORY
DRAWER U · MARSHALL, TEXAS
TELEPHONE WEbster 5-9342

file Darco

September 14, 1967

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

Dear Al:

The sample of rider vein lignite as well as under-and-over-material was sampled yesterday at the Darco mines (approximate map coordinates 8700N:4000W). The sampling site was inaccessible to permit an individual to sample at the face as originally planned. The drag line was in the vicinity and a large quantity of the exposed face was scooped, deposited upon the bank, and inspected. A portion of this gross sample containing undisturbed over-and-under-material of the rider vein was sampled. This sample was further reduced in the laboratory by sawing and chiseling. Inadvertently, some breakage of the piece of sample occurred but these pieces were carefully preserved to represent a continuous sample from bottom to top of the exposed face in the mine. Each piece was enclosed in a plastic bag containing a small amount of water in an attempt to avoid spalling. The sample was enclosed in a wooden box containing filler to minimize shifting of the sample. The sample is being shipped to you this date via air parcel post. It is identified as DXL-0-3672. I hope this method of sampling fulfills your requirements.

We extend you an invitation to visit the area again and will cooperate with you in any manner possible in connection with your work. Receipt of your publication when the work is finished would be appreciated.

Yours very truly,

Cliff

C. W. Broughton
Project Leader

CWB:ap

Hunt Institute for Botanical Documentation

August 23, 1967

Dr. C.W. Broughton
Project Leader
Darco Experimental Laboratory
Drawer U
Marshall, Texas 75671

Dear Dr. Broughton:

I was delighted to hear that it will be possible to get material from the rider vein, as previously discussed. The way you suggest for sending the stuff to us would indeed be the best way.

We are working along with the materials we collected at Darco and elsewhere in Texas on our recent trip. As ever, there seems to be too little time to spend on one's research, but that is just one of the facts of life. In time, the important things do seem to get done, and the Wilcox work in Texas is very high up on my priority list at the moment.

Thanks again for all of your help.

Yours very truly,

Alfred Traverse
Associate Professor of Geology

AT:kaw

Hunt Institute for Botanical Documentation

ATLAS CHEMICAL INDUSTRIES, INC.

CHEMICALS DIVISION

DARCO EXPERIMENTAL LABORATORY
DRAWER U · MARSHALL, TEXAS
TELEPHONE WEbster 5-9342

August 11, 1967

File: Darco

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

Dear Dr. Traverse;

In reply to your letter of July 27, 1967, I have made arrangements with Jim Jarvis, our Mining Engineer, to take the sample of over and under material from the thin rider vein lignite as well as the lignite itself as soon as mining operations are resumed in the vicinity of the rider vein lignite. Unfortunately, this area was mined recently when Jim and I were both on vacation, but Jim tells me that operations in the area will recur within the next two months. He has promised to let me know when this vein is again exposed and I will personally take the sample. I feel it would be best to tightly pack the entire section in a box for your own sub-sampling. If you prefer another means of conveying the sample, please let me know.

I enjoyed our visit and would be very much interested in learning of your results with our lignite. Please feel free to call on us for any additional assistance you may need in your work with Darco lignite.

Very truly yours,

C W Broughton

C. W. Broughton
Project Leader

CWB:sn
0583

Hunt Institute for Botanical Documentation

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

10 August, 1990

Dr. W. G. D'Arcy
Missouri Botanical Garden
P.O. Box 299
St. Louis, MO 63166

Dear Bill:

In the recent flyer from Joan about the 7-X-90 affair (W.H.L. Tribute), she says to let you know about "other equipment." Is it possible to have two projectors, two screens? I have got so used to this that I regard it as standard, but Joan's letter mentions only one projector.

Best regards.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

Hunt Institute for Botanical Documentation

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

21 May, 1990

Dr. William D'Arcy
Missouri Botanical Garden
P.O. Box 299
St. Louis, MO 63166

Dear Dr. D'Arcy:

Just responded to Joan Nowicke that I will attend an affair honoring my old friend, Walter Lewis, on 7 October, 1990.

It occurs to me that if I am going so far for this purpose, I should also attend the systematics symposium at MBG. Could I have info about that?

Many thanks.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

Hunt Institute for Botanical Documentation

Sonsered appointment A. Traverse
19-V-92

United States Department of the Interior

GEOLOGICAL SURVEY
RESTON, VA 22092

file Darrah Mem. Vol.

In Reply Refer To:
Mail Stop 956

April 21, 1992

Dear Colleague,

We are asking you to serve as a formal reviewer for a manuscript for the Darrah Memorial Volume (contents enclosed), which is expected to be published as a Geological Society of America Memoir (hardbound).

Individual portraits (Chapters IV, VII) are due June 1, 1992, and entire chapter manuscripts are due June 1, 1993. You should receive the manuscript within a few weeks of these dates. Please let me know at the above address if you will be able to serve as a reviewer of the following manuscript:

Chapter: IV Part A: B Subpart: 7 (Andrews)

Please check one of the following:

1._____ agree to serve as reviewer

2._____would prefer to review another manuscript (please specify which one)

3._____unable to serve as a reviewer

We are expecting to produce an outstanding volume on the early history of paleobotany in North America. In order to accomplish this goal, we need incisive, critical, and constructive reviews. We hope that you will be able to help us out in this worthy paleobotanical endeavor.

Please contact Paul Lyons at this address or by FAX (703-648-4227).

Best wishes.

Sincerely,

Paul C. Lyons
Elsie D. Morey
Robert H. Wagner
Editors

Encl: Contents of Darrah Memorial Volume

Hunt Institute for Botanical Documentation

WILLIAM CULP DARRAH MEMORIAL VOLUME

A Historical Perspective of Early 20th Century
Carboniferous Paleobotany in North America

Edited by P.C. Lyons, E.D. Morey, and R.H. Wagner

Dedicated to William Culp Darrah (1909-1989)
whose early studies of North American coal-ball
floras and contributions to stratigraphic paleobotany
set the stage for late 20th Century Carboniferous
paleobotany in North America

Tentative Contents

I. Introduction by P.C. Lyons, E.D. Morey, and R.H. Wagner

II. William Culp Darrah (1909-1989): A Portrait by E.D. Morey and P.C. Lyons

III. W.C. Darrah's European Experience, 1935, by E.D. Morey

IV. Portraits of some other paleobotanists who made notable contributions to early 20th Century Carboniferous paleobotany in North America

A. European

1. W.J. Jongmans by R.H. Wagner and H.W.J. van Amerom
2. P. Bertrand by J.P. Laveine
3. R. Florin by B. Lundblad
4. M.C. Stopes by W.G. Chaloner

B. American

1. D. White by P.C. Lyons and E.D. Morey
2. R. Thiessen by P.C. Lyons with personal recollections by M. Teichmüller
3. E.H. Sellards by A. Lesnikowska
4. A.C. Noe by A.T. Cross
5. C.A. Arnold by R.A. Scott and ....
6. C.B. Read by S.H. Mamay, S. Ash, and P.C. Lyons
7. H.N. Andrews by T.L. Phillips and P.G. Gensel

Hunt Institute for Botanical Documentation

8. J.M. Schopf by A.T. Cross, R.M. Kosanke, and T.L. Phillips
9. W.A. Bell by E.L. Zodrow ± P.A. Hacquebard
10. M.K. Elias by A. Lesnikowska
11. L.R. Wilson by R.M. Kosanke
12. J.H. Hoskins by A.T. Cross
13. F. Read by T.N. Taylor

V. Correspondence between W.C. Darrah and European paleobotanists by E.D. Morey and P.C. Lyons

VI. The Museum Collections by E.D. Morey and R.L. Leary

VII. The Amateur Collectors
A. F.O. Thompson by E.D. Morey
B. G. Langford by R.L. Leary
C. J. Jones by M.D. Henderson

VIII. The Stephanian problem in North America by P.C. Lyons and R.H. Wagner

IX. Early floral zonation schemes (Carboniferous) in North America by P.C. Lyons and E.L. Zodrow

X. Early 20th Century coal-ball studies in North America by T.L. Phillips and A.T. Cross

XI. Seminal studies of Carboniferous palynomorphs in North America by R.M. Kosanke and A.T. Cross

XII. Early contributions to the paleobotany of coal in North America by P.C. Lyons and ....

Hunt Institute for Botanical Documentation

A - Traverse

United States Department of the Interior

GEOLOGICAL SURVEY
RESTON, VA 22092

In Reply Refer To:
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7. H.N. Andrews by T.L. Phillips and P.G. Gensel

Hunt Institute for Botanical Documentation

8. J.M. Schopf by A.T. Cross, R.M. Kosanke, and T.L. Phillips
9. W.A. Bell by E.L. Zodrow ± P.A. Hacquebard
10. M.K. Elias by A. Lesnikowska
11. L.R. Wilson by R.M. Kosanke
12. J.H. Hoskins by A.T. Cross
13. F. Read by T.N. Taylor

V. Correspondence between W.C. Darrah and European paleobotanists by E.D. Morey and P.C. Lyons

VI. The Museum Collections by E.D. Morey and R.L. Leary

VII. The Amateur Collectors
- A. F.O. Thompson by E.D. Morey
- B. G. Langford by R.L. Leary
- C. J. Jones by M.D. Henderson

VIII. The Stephanian problem in North America by P.C. Lyons and R.H. Wagner

IX. Early floral zonation schemes (Carboniferous) in North America by P.C. Lyons and E.L. Zodrow

X. Early 20th Century coal-ball studies in North America by T.L. Phillips and A.T. Cross

XI. Seminal studies of Carboniferous palynomorphs in North America by R.M. Kosanke and A.T. Cross

XII. Early contributions to the paleobotany of coal in North America by P.C. Lyons and ....

Hunt Institute for Botanical Documentation

xxxxxx

9 July, 1979

Dr. Ed David
Frank Phillips Building
Phillips Petroleum Company
Bartlesville, OK 74004

Dear Dr. David:

Geoff Norris told me at a recent meeting about your Ph.D. thesis on the Jurassic of the Sverdrup Basin. Could you let me know where the thesis can be borrowed? I would very much like to have a look at what you did in connection with some past interests of mine in that general area.

Best wishes.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

Hunt Institute for Botanical Documentation

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

28 December, 1988

Dr. E. H. Davies
c/o Bujak/Davies Group
#1, 2835 19th St. N.E.
Calgary, Alberta, Canada
T2E 7A2

Dear Colleague:

My byzantine filing system seems to tell me that I probably never thanked you for sending me a copy of your 1985 publication: Canadian Tech. Rept. Hydrograph. Ocean Sci. 67 on schizaeacean spores, etc. it has been very helpful tyo me and students, and I much appreciate it. Thanks very much.

Best for '89 to you.

Yours very truly,

Alfred Traverse

AT/et

Hunt Institute for Botanical Documentation

January 29, 1973

Mr. Edward H. Davies
249 Spring Garden Avenue
Willowdale, Ontario
Canada M2 N3 H1

Dear Mr. Davies:

Thank you for yours of 17 January, which took over a week to get here. It is rather late to be contemplating application for graduate work in palynology here, but not impossible if we act fairly quickly. I presume that you are thinking in terms of the fall of 1973? I am asking the people in our department headquarters to send you all of the necessary blanks and so forth as soon as they possibly can. In the meantime, I think it probably would expedite things for you if you were also to write to the Graduate School (Graduate School Admissions, Kern Graduate Building, Pennsylvania State University, University Park, Pa., 196802). When you correspond with the various authorities around here it would be very helpful if you would send me carbon copies of at least the major items so that I know what is going on. It would expedite things considerably if you could send me a xerox copy of your undergraduate record/f For example, I perhaps could tell you informally long before the applications were acted upon what your probable chances are, based on your undergraduate record. It sounds to me as if your undergraduate training is just as good as it could be. In terms of deciding whether you want to come here or not, and whether we would find ourselves mutually agreeable, probably the best procedure is for you to find some way of visiting University Park. It really is only a little more than a half-day drive, weather permitting, and I think that you would find a lot of your questions and so forth could be handled much more expeditiously in person. In the meantime, however, if you are interested in coming here it would be wise to get the application things started. If youddecide you want to come, give me a phone call so that we can discuss a possible mutually accepted dates. One way or another I can cover most of your expenses while you are here, but I am not in a position to pay your transportation here for the visit.

Hunt Institute for Botanical Documentation

Looking forward to hearing from you again, particularly with reference to the possibility of a visit to State College and hoping that you will get the application forms and so on before too long, I am

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT/vsi

Hunt Institute for Botanical Documentation

26 March, 1984

Dr. Thomas Davies
Exxon Production Research Co.
P.O. Box 2189
Houston, TX 77001

Dear Tom:

Thanks for the pine pollen--I believe already acknowledged. Do you know the species, perchance? In any event, thanks.

Too bad about the student job. As you know from your long tenure as a Ph.D. candidate, it is relatively rare for one of them to be available for the summer--they are working on their dissertation research!

Best wishes.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

Hunt Institute for Botanical Documentation

EXXON PRODUCTION RESEARCH COMPANY
POST OFFICE BOX 2189 · HOUSTON, TEXAS 77001

PERSONAL

March 16, 1984

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

Dear Al:

Thank you for sending the resumes of the four students to be considered for summer employment at Exxon Production Research Co. Also, I appreciate the time you spent and your candid remarks about each of them.

I have discussed these candidates with my supervisor. As I indicated to you on the phone, what we are specifically looking for is a Ph.D student near the end of his or her graduate training. Therefore, I regret that we will not be able to consider further these candidates.

However, if any of these candidates end up as graduates in palynology or if you hear of a qualified Ph.D student looking for summer employment in industry, please keep us in mind. Employment opportunities come up from time to time.

I sent a package of pine pollen the end of last week. If you have not received it yet, I trust you will shortly. I had the flu and almost failed to collect them in time.

Thank you for your efforts concerning the summer students. Please give my regards to Betty.

Yours truly,

Tom

Thomas D. Davies

TDD/sc

Hunt Institute for Botanical Documentation

31 January, 1984

Dr. Thomas D. Davies
Exxon Production Research Co.
P.O. Box 2189
Houston , TX 77001

Dear Tom:

Here are resumés for three students who could be considered for a summer job, per your previous phone call.

The strongest candidate would seem to be Andy Schuyler. In addition to what appears in the resume I should mention that he is working with me on a problem in stratigraphic palynology in south central New York. Andy is a much better student than the U. Rochester 2.7 G.P.A. seems to imply. He was far and away the strongest student in my palynology course in Fall '83. He is a physically strong, independent, very trustworthy individual. He is as yet a "non'degree" grad student, because on the strength of the numbers he didn't get admitted to graduate school--he has the ability.

Dave Freudenrich is a good, sound student with many interests. He has greatly enjoyed palynological research with us. He is the guy who wants the bisaccate pollen for pyrite research. He is a big, likable guy who will make a good addition to somebody's staff one of these days.

Mark Bowers is an advisee of mine who has done quite a lot of paleoecological work using palynological techniques. I have him working on a Upper Devonian Catskill Delta materials for his master's degree in palynology

My opinion is that all three of these guys would fill your bill. They will be graduates by next May. Schuyler already is, of course, and may well end up as a graduate student in palynology.

Naturally I'm hoping Exxon can come through for at least one of 'em!

Best wishes.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et
encl: resumés

Hunt Institute for Botanical Documentation

November 7, 1968

Mr. Ervin Davidson
Beckville
Rt. #1
Texas 75631

Dear Mr. Davidson:

I'm the fellow you helped locate the Blacks Shoals locality a few Sundays back. Your help was the thing that made the trip a success for us, and I deeply appreciate it. Later on, when we have some results from our studies, you might be interested in hearing about them, and I'll plan to contact you. In the meantime, thanks again.

Yours very truly,

Alfred Traverse
Associate Professor of Geology

AT:kwc

Hunt Institute for Botanical Documentation

4 March, 1980

Dr. E. H. Davies
240 FPB
Phillips Petroleum Co.
Bartlesville, OK 74004

Dear Dr. Davies:

It was marvellous of you to provide us with a copy of your thesis. Do we get to keep it? As Dr. Norris may have told you, I have got myself mixed up in dinoflagellates despite my best efforts to stay clear. Your thesis will be very helpful, as I try to get a handle on the literature! Thanks so much.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

Hunt Institute for Botanical Documentation

Fidelity Onion Skin
100% COTTON

March 30, 1973

Mr. E.H. Davies
249 Spring Garden Avenue
Willowdale, Ontario
Canada M2N 3H1

Dear Ed:

Thank you for yours of 16 March with the enclosed transcript of record. Although I am aware that Toronto is a higher quality institution than the North American average (by far), it still remains true that it will be extremely difficult to get you admitted to the graduate program at Penn State because ofyyour course record performance. If you turned up a practically all A record in the senior year it would certainly help, but I still think it would be an uphill fight. However, I have succeeded in getting people with a record similar to yours in before, providing that there were other extenuating circumstances such as that the person had already done interesting research and that he was somebody I wanted for our graduate program very badly. In other words, I must be a bit discouraging in all fairness to you. I would still welcome your visit to Penn State and it would help me with the problem of fighting against the current as it were to get you in. However, I suppose I would rate your chances off of the record you made in the first three years at something like one in ten. It is simply a question of there being so many applicants for the limited number of places in the department as a whole that the professor of palynology cannot get somebody past the board who does not seem to be as good a candidate as others (perhaps in geochemistry) who have applied.

Best wishes to all my friends at Toronto. I notice with interest that you are at Trinity. My father was a graduate of Wycliffe across the street!

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

P.S. If despite my somewhat discouraging tone you did decide to visit State College, the dates which you suggested would be all right, but you had better send me a letter a few days ahead warning me of your impending arrival!

Hunt Institute for Botanical Documentation

Hunt Institute for Botanical Documentation

Edward T. Davies

Mar 1975

Dear Dr. Traverse.

Please excuse the delay in responding to your letter. Although there is no real excuse that could warrant merit, perhaps I could say I've been wrapped up with my courses and personal matters that I didn't realize that a month and a half has passed.

I had received the application etc before your letter arrived. I must admit P.S.U was prompt in sending the material! I returned the application back shortly after receiving them. A receipt for the application fee has been returned signifying the processing had begun. That was about late Feb.. Enclosed is an official copy of my undergrad record. (I should have sent that sooner).

I felt warmly received by your invitation to visit. It is my intention to make this trip. Since, the date of your visit hasn't been able to justify the time due to the long work load. Since my first two years in university were graded as "C"'s. I wish to achieve the best possible mark this year. I feel those marks don't accurately reflect what I can do, although I have guilty

reflections that I got what I deserved for my effort.

At the present my time is tight. I can foresee, though, that it will become more so as exams approach. A few courses don't require exams or will have informal ones outside of the exam schedule. Therefore the week before exams, Apr 12.-20th, we may find a mutually convenient time. If not then after my exams. My time table is not definitely set yet, so the visit date is not known. If you feel that I should really make it earlier then I could rearrange priorities to fit. I am looking forward to visiting P.E.I. and meeting you. Geoff & Anne Harris have highly recommended you as a graduate professor.

Although I haven't spoke with him recently about it, Geoff Taylor and I thought we might make the visit together.

Thank you for the reminder and again I ask acceptance of my apologies. It's comforting to feel your concern for my status. I shall be looking forward to seeing you.

Yours truly

[signature]

Hunt Institute for Botanical Documentation

UNIVERSITY OF TORONTO
Faculty of Arts and Science

SUPPLEMENTARY TRANSCRIPT INFORMATION

OLD PROGRAMME - Previous to 1969-70

KEY TO GRADES

HONOUR		PASS OR GENERAL
I	75 - 100%	A
II+	72 - 74 %	B+
II	66 - 71 %	B
III	60 - 65 %	C
PWH	50 - 59 %	D
BL	40 - 49 %	BL

P - PASSED (NOT GRADED) S - SUPPLEMENTAL ALLOWED
AEG - AEGROTAT STANDING ON BASIS OF TERM WORK AND MEDICAL EVIDENCE
F - FAILURE (NO SUPPLEMENTAL PRIVILEGES)
DNW - DID NOT WRITE FINAL EXAMINATION

NOTES

"BL" standing granted only in special circumstances. Previous to 1960, the Old Programme "PWH" standing also was shown as "BL"
Marks in Honour Subjects are weighted aggregates of one or more examination marks, and term marks where applicable.
No academic credit is retained for any work done in a failed year.
An average of 60% must be obtained in the two courses composing the Subject of Concentration in the General Arts Course. If 60% is not obtained, the year is failed. No supplemental privileges are granted in the Subject of Concentration.
Previous to 1964, the II+ and B+ grades were combined with, and shown as, II and B. These "+" grades apply to the course average only. In individual subjects, II class and Grade B continued as 66-74 %.

NEW PROGRAMME - Beginning 1969-70

KEY TO GRADES

A	80 - 100%
B+	77 - 79 %
B	70 - 76 %
C	60 - 69 %
D	50 - 59 %

P - PASSED (NOT GRADED) S - SUPPLEMENTAL ALLOWED
AEG - AEGROTAT STANDING ON BASIS OF TERM WORK AND MEDICAL EVIDENCE
F - FAILURE (NO SUPPLEMENTAL PRIVILEGES)
DNW - DID NOT WRITE FINAL EXAMINATION

NOTES

Academic credit is retained for any course in which standing has been obtained.
A Fulltime student may proceed to the next higher year with no more than one outstanding full course condition.
Suffixes designate half courses:

St.GEORGE AND ERINDALE CAMPUS	SCARBOROUGH CAMPUS
F - Fall or first term half course	F - Fall or first term half course
S - Spring or second term half course	S - Spring or second term half course
Y - Half course	Y - Full course
A - Fall or First term full course	H - Half course
B - Spring or Second term full course	

An overall grade is assigned only for those students with standing in five full courses (or their equivalent) in a given academic session.
The B+ grade applies to the course average only. In individual courses, the Grade B continues as 70-79 %.
A student may withdraw from this Faculty without academic penalty up to February 15th. However, if he withdraws in the second term, credit will be retained for any first term courses completed and failure noted for any first term courses failed.

UNITS - CREDITS

The Faculty of Arts and Science is not on a credit system.
For the convenience of institutions employing a credit or semester hour system, the individual course weight is indicated in the form of "Units" under the Old Programme records. A Unit consists of one lecture hour or two laboratory hours per week for a full year. To obtain semester credits multiply Units by two.
Under the New Programme there are only full or half courses. A full course equals 3 Units or 6 semester hours. A half course equals 1½ Units or 3 semester hours. Owing to this simplicity, no Units are recorded on the transcript of New Programme courses unless there is an exception.

Hunt Institute for Botanical Documentation

UNIVERSITY OF TORONTO
FACULTY OF ARTS AND SCIENCE
Toronto, Ontario, Canada

SURNAME	GIVEN NAMES		STUDENT NUMBER
DAVIES	EDWARD	HAROLD	692286711

PLACE OF BIRTH	DATE OF BIRTH
ONTARIO	07/12/50

ADMISSION RECORD (ONT. GRADE 13 UNLESS OTHERWISE INDICATED)
BIOLOGY 090,GGR. 082,MATH A 082,PHYSICS 080,CHEM. 078,MATH B 075

ADMISSION AVERAGE: 813

CONDITION

ADMITTED TO:
YEAR 1 COURSE NEW PROGRAMME COLLEGE TRINITY

ADMITTED AS MATURE STUDENT ON PROBATION

PREVIOUS UNIVERSITY ATTENDANCE

DATE OF ADMISSION
SEPT 1969

DAVIES EDWARD HAROLD 692286711
I YEAR 1969-70
FINAL AVERAGE C

		GRADE	UNITS	TERM MARK	FINAL MARK
BIO120	EVOLUTIONARY ENVNMTL	C			67
CHM120	BASIC CONC MOD CHM	B			71
GLG120	GEOLOGY PRINCIPLES	C			65
PHY130	MECH MATTER + WAVES	C			68
MAT135	CALC FOR SCIENTISTS	C			64
CSC148Y	INTRO COMPUTING	C		XTR	61

DAVIES EDWARD HAROLD 692286711
II YEAR 1970-71
FINAL AVERAGE C

		GRADE	UNITS	TERM MARK	FINAL MARK
BOT210	PLANT MORPHOL & EVOL	C			68
CHM235	STRUCT & SYNTH-CHM.	D			58
GLG220	MINERALOGY	B			76
GLG221Y	GEOL DATA PROC-COMP.	B			70
PSY205S	DIFFERENT.PSYCH	C			65
ZOO220	ANIMAL FORM & FUNC	D			57
PSY207S	INTRO LEARNING	D		XTR	59

PASSED

DAVIES EDWARD HAROLD 692286711
THIRD YEAR 1971-72
FINAL AVERAGE B

		GRADE	UNITS	TERM MARK	FINAL MARK
GLG222	INVERT MACROPALEONTO	A			83
GLG320	PETROLOGY	C			69
GLG321F	STRATIGRAPHY-SEDIMEN	B			71
GLG322	TECTONICS	B			75
GLG326Y	VERT PALAEOLTOLOGY(XTR)	C			60
GLG327S	CANADIAN SHIELD-GLG(XTR)	C			62
GLG328	MICROPALAEONTOLOGY	B			78
GLG372Y	MINERAL IDENT LAB	C			64

PASSED

William D. Toulds
Secretary of the Faculty
Checked by
Date 12 : 2 73

Hunt Institute for Botanical Documentation

looking forward to hearing from you again, particularly with reference to the possibility of a visit to State College and hoping that you will get the application forms and so on before too long, I am

Yours very truly,

January 29, 1973

Alfred Traverse
Professor of Geology & Biology

Mr. Edward H. Davies
249 Spring Garden Avenue
Willowdale, Ontario
Canada M2 N3 H1

Dear Mr. Davies:

Thank you for yours of 17 January, which took over a week to get here. It is rather late to be contemplating application for graduate work in palynology here, but not impossible if we act fairly quickly. I presume that you are thinking in terms of the fall of 1973? I am asking the people in our department headquarters to send you all of the necessary blanks and so forth as soon as they possibly can. In the meantime, I think it probably would expedite things for you if you were also to write to the Graduate School (Graduate School Admissions, Kern Graduate Building, Pennsylvania State University, University Park, Pa., 196802). When you correspond with the various authorities around here it would be very helpful if you would send me carbon copies of at least the major items so that I know what is going on. It would expedite things considerably if you could send me a xerox copy of your undergraduate record. For example, I perhaps could tell you informally long before the applications were acted upon what your probable chances are, based on your undergraduate record. It sounds to me as if your undergraduate training is just as good as it could be. In terms of deciding whether you want to come here or not, and whether we would find ourselves mutually agreeable, probably the best procedure is for you to find some way of visiting University Park. It really is only a little more than a half-day drive, weather permitting, and I think that you would find a lot of your questions and so forth could be handled much more expeditiously in person. In the meantime, however, if you are interested in coming here it would be wise to get the application things started. If youddecide you want to come, give me a phone call so that we can discuss a possible mutually accepted dates. One way or another I can cover most of your expenses while you are here, but I am not in a position to pay your transportation here for the visit.

Hunt Institute for Botanical Documentation

Looking forward to hearing from you again, particularly with reference to the possibility of a visit to State College and hoping that you will get the application forms and so on before too long, I am

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT/vsi

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

Dear Al:

Could you please send me details concerning the SSP meeting in Toronto in October? I hear you have an interesting program and I should like to attend.

With regards,

Margaret

Margaret Davis
Professor of Zoology and
Research Paleoecologist

MD:jf

Hunt Institute for Botanical Documentation

Edward M. Davies
249 Spring Garden Ave.
Willowdale, Ont.
Canada, M2N3H1

Jan. 17, 1973

Dr. A. Traverse
529 Deike Building
Pennsylvania State University
University Park
Pennsylvania 16802

Dear Dr. Traverse:

I am inquiring about graduate studies under your supervision. Information about the course of studies, admittance requirements, financial aid, costs and application deadlines along with the appropriate forms would be appreciated.

Presently, I am doing undergraduate studies in Geology at the University o Toronto, specializing in stratigraphic palynology. I have undertaken a lab research project under Dr. G. Norris involving S.E.M. examinations of early angiosperm pollen ultrastructure. Last year I did a half term project under Dr. Norris studying the morphology of a Paleoperidinium-type (Astrocysta sp.) dinoflagellate from the Albian.

I am taking a group reseach course under Dr. McAndrews doing pollen influx studies of the Upper Quaternary of Rice Lake, Ont to develop the paleo-environment in conjunction with an archeological site.

My grades in third year were 74.5% and I am looking forward to an A average if present trends continue.

I do hope to hear from you in the near future and perhaps

Hunt Institute for Botanical Documentation

we may find ourselves working together next year. I hope this letter doesnot arrive toolate . There is a postal strike in Toronto at the present time.

Yours truly,

Edward H. Davies

Hunt Institute for Botanical Documentation

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

25 May, 1988

Dr. Thomas D. Davies
Exxon Production Research Co.
P.O. Box 2189
Houston, TX 77252

Dear Tom:

Gotcha nice card from Turks & Caicos--I still have never been to the Bahamas, let alone T & C! Thanks for thinking of us. I taught paleobotany this last semester--a lot of work. Had 12 students.

All the best.

Yours very truly,

Alfred Traverse

P.S. Martin Farley has his Ph.D. now. I will start with new people in the Fall.

AT/et

Hunt Institute for Botanical Documentation

18951 Ansley Place
Saratoga, California
June 29, 1957

Dear Dr. Travers,

Your letter was sent on to me here by my neighbors, the Johnstons. It has been sometime but time has been involved in moving and then in the early arrival of a grandson. Things are settling down now for awhile until my daughter comes home from the hospital with the 9 pound 3 ounce baby to add to the 18 months one we have here.

I want to thank you first for sending the photostat of Miss Clokey's work. It is very nice to have an extra copy,

Hunt Institute for Botanical Documentation

especially since the original we have is so badly worn.

The title of my thesis, as well as dear remember, is "a study of Bascaje de las Palmas" and of Sabal Texana"

It was written under my name: Anna May Farrenee Davis

a "bascaje" is a "woods".

The baby got hold of the first sheet. She is trying to climb into my lap

Regards

Anna May Davis

Marshall J. got his grant and will go to Mexico in Sept. for a two year study

Hunt Institute for Botanical Documentation

From: A. TRAVERSE, Sencl. Mus.
FFM, Fax No. 69-794-004-37

to: D. Alan Davis, 205 Research Bldg. E
PSU, U.Pk., PA, USA 16802
Fax No 001-814-865-3573

This Fax 2 pages in all

Dear Alan:

Wow, a 20-page fax. But you used the wrong number according to cover sheet- but it was received here! Please check number. My correct no. is underlined above.

The mail strike is over, but the P.O. is faced with impossible back log. God knows when I'll get yours of "24 April," but now it doesn't matter. I just went through what I got: 24 pages: 2 copies of your cover sheet, 1 copy of your 24 Apr. letter, one copy of a note to you from "Jave," 3 sets of the captions to plates B-1, B-2, B-3, B-4, 1 copy of Pl. B-1, 2 copies of Plates B-2, B-3, B-4. It would seem as though the transmission should have been just 12 pages (1 copy of cover, letter, note, captions, plates) if there were just 4 plates.

Hunt Institute for Botanical Documentation

J. A. Jarvis, Fax No. 001-814-865-3573

Now as to the business. I believe I've said this before: the plates are <u>not</u> ready of professional caliber. Costa <u>did</u> make an (hasty) effort to improve them. If the rest of the dissertation is acceptable to you, I am willing to swallow (very) hard and accept the plates. It would make <u>no</u> sense for Jane G. to redo the plates (the original photomicrographs are marginal too!).

I do hope you didn't lose too much sleep over this. Best to Lorna. We're o.k. I go to London day after tomorrow for 3-da. conference with Chaloner, Bowler et al.

Best,

Al

EMPFÄNGER : 8148653573
SENDER : SNG KUHWALDSTRASSE
DATUM : 11 MAI'92 11:14
DAUER : 01'18
MODUS : STAND
SEIT. : 02
ERGEBNIS : OK

Hunt Institute for Botanical Documentation

ENERGY & FUELS RESEARCH CENTER

205 Research Bldg E
The Pennsylvania State University
University Park PA 16802
FAX NO.: (814)-865-3573

Confirmation No.: (814)-865-6544

To:

NAME	DATE
Dr. Alfred Traverse	5/7/92
COMPANY	FAX NUMBER
in care of Dr. Friedemann Schaarschmidt	8-011-49-69-746-238

From:

NAME
Dr. Alan Davis

This transmission consists of 20 page(s) including this cover sheet.

Message:

Dear Al,

I have just received a FAX from Martin Terchmiller. He did not receive some correspondence which I mailed to her on April 15 because of the German mail strike. So there is obviously a good chance that you did not receive the package of Costas' plates and captions mailed to you on April 24. Here is a copy of that letter and photocopies of the plates (I would not go to the expense of producing a new set of prints). We have marked on these the fiducial marks as best as we ~~are~~ able, copied from the originals in case the ~~photocopies~~ FAXed are not too clear.

With best wishes Al Davis

Hunt Institute for Botanical Documentation

FILE COPY

PENNSTATE

Energy and Fuels Research Center

(814) 865-0543
(814) 865-0545
FAX: (814) 865-3573

The Pennsylvania State University
205 Research Building B
University Park, PA 16802

April 24, 1992

Dr. Alfred Traverse
c/o Dr. Friedemann Schaarschmidt
Forschungsinstitut - Naturmuseum Senckenberg
Senckenberganlage 25
6000 Frankfurt a/M 1
DEUTSCHLAND
(GERMANY)

Dear Al,

Here at last is a set of Costas' plates and captions. There possibly has been a more recent set on which Costas had re-oriented his spores--if so we don't have it. This set is different from the thesis plates in that on these the individual photos are placed evenly on the pages, and not haphazardly.

There could be a problem if you need to see alternative orientations. As you can see the individual photos have been highly cropped. To effect a re-orientation would require that the photos be pasted onto paper and that the paper be trimmed to the correct orientation and rectangular shape. After photography there could be some different shades of background.

So, I am torn. On the one hand I want Costas to have to face up to the need to do this correctly. On the other hand, the pain of re-doing this is probably going to be borne by me, Dave Glick and Don Krebs. I guess I am saying, please insist on changes you think are essential, but accept what is nominally acceptable. The captions are another matter--changes there are easily made, so ask for whatever you want there.

I am rushing to get this in the mail. The deadline for thesis submission to the Grad School is June 22 so please bear that in mind.

The final plates will be of better quality. This is one set which Don rushed off--he will make a new set of negatives with better contrast.

Hunt Institute for Botanical Documentation

All the best. I have now idea how the women's basketball team fared after they reached the 1/4 finals. You can tell how much a fan I am.

Hope you are both well and enjoying your time in Frankfurt.

With best wishes,

Alan Davis

AD:ca

enclosures

Hunt Institute for Botanical Documentation

4/23/92

Dr. Davis,

I have gone through all my Karytsas materials and have found poly. plates showing only one set of orientations. These prints are Don's latest effort - this is the only set of this version in existence - they have the same orientations as the previous set but have better spacing and numbering. I think Don must have the individual little prints from which these composites were pasted up. He had planned to make a new set of plate negatives because of the contrast problem.

I note that these photos and their orientations are the same as those in a 1986 paper by Costas in your "Karytsas Thesis #1" file.

I don't know whether we ever received any with other orientations. Costas "thinks" he has no negatives or prints.

Dave

Hunt Institute for Botanical Documentation

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

17 March, 1992

faxed to: 814-865-3573

Dr. Alan Davis
Energy and Fuels Research Center, Penn State

Dear Alan:

Your Fed-Ex package re Costa's thesis plates arrived in my office on Thurs., 12 March, but I was at home with pneumonia (much better now!), and no one informed me about the package. I found it first late yesterday afternoon (16 March, the thesis deadline date at PSU), when it was too late to do anything. (Sending a fax here involves going to another building a half-mile away, locating a certain person, etc.--but next week, our building is getting a fax machine.)

Costa's plates aren't totally satisfactory (orientation of individual figures sloppy, etc.), but will have to do. I accept them. As far as the signature pages are concerned, I was not able to fax them, because the facility was unavailable at the time, but I did send them air mail, I believe in plenty of time to reach you by the deadline. Sorry to have caused you any anxiety. Actually, I have little sympathy for Costa. Knowing I was more-or-less unavailable, he should have allowed plenty of time for exchange of information.

Best wishes.

Yours very truly,

Al

Alfred Traverse

Hunt Institute for Botanical Documentation

PENNSTATE

Energy and Fuels Research Center

(814) 865-6543
(814) 865-6545
FAX: (814) 865-3573

The Pennsylvania State University
205 Research Building E
University Park, PA 16802

March 10, 1992

Dr. Alfred Traverse
c/o Dr. Friedemann Schaarschmidt
Forschungsinstitut - Naturmuseum Senckenberg
Senckenberganlage 25
6000 Frankfurt a/M 1
DEUTSCHLAND
(GERMANY)

Dear Al,

We have been able to locate only one set of palynological plates for Costas' thesis. I believe that either a) It is a version showing changes to an original set which you found unacceptable, or b) it is the original version which you decided may not have been ideal, but was acceptable. I also believe that the decriptive sheets reflect comments and corrections which you had offered.

I propose to accept these plates and descriptions unless you tell me otherwise. However, Costas will not graduate unless I receive back the signature pages which I sent to you on March 2. The deadline for the thesis to go to the Grad School is Monday, March 16, so there is precious little time. Maybe you should FAX me a message or phone if time gets too short.

With best wishes,

Alan Davis

AD:ca

An Equal Opportunity University

Hunt Institute for Botanical Documentation

ENERGY & FUELS RESEARCH CENTER

FAXED

205 Research Bldg E
The Pennsylvania State University
University Park PA 16802
FAX NO.: (814)-865-3573

Confirmation No.: (814)-865-6544

To:

NAME	DATE
Dr. Alfred Traverse	3/11/92
COMPANY in care of Dr. Friedemann Schaarschmidt	FAX NUMBER 8-011-49-69-746-238

From:

NAME
Dr. Alan Davis

This transmission consists of 1 page(s) including this cover sheet.

Message:

Dr A. Traverse

Dear Al

We have had no response from you to our express mailed communications. Have you received a) signature pages for your signature, and b) copies of Costa's palynological plates with descriptions to see if you are willing to accept them? The deadline for the Grad School is Monday, Mar 16th, so time is of the essence, especially if you require changes to the plates.

Costa really should have organized himself a little sooner.

Many thanks for the postcard. Merry Holidays

Al Davis

Hunt Institute for Botanical Documentation

PENNSTATE

1855

Energy and Fuels Research Center

(814) 865-6543
(814) 865-6545
FAX: (814) 865-3573

The Pennsylvania State University
205 Research Building E
University Park, PA 16802

April 24, 1992

Dr. Alfred Traverse
c/o Dr. Friedemann Schaarschmidt
Forschungsinstitut - Naturmuseum Senckenberg
Senckenberganlage 25
6000 Frankfurt a/M 1
DEUTSCHLAND
(GERMANY)

Dear Al,

Here at last is a set of Costas' plates and captions. There possibly has been a more recent set on which Costas had re-oriented his spores--if so we don't have it. This set is different from the thesis plates in that on these the individual photos are placed evenly on the pages, and not haphazardly.

There could be a problem if you need to see alternative orientations. As you can see the individual photos have been highly cropped. To effect a re-orientation would require that the photos be pasted onto paper and that the paper be trimmed to the correct orientation and rectangular shape. After photography there could be some different shades of background.

So, I am torn. On the one hand I want Costas to have to face up to the need to do this correctly. On the other hand, the pain of re-doing this is probably going to be borne by me, Dave Glick and Don Krebs. I guess I am saying, please insist on changes you think are essential, but accept what is nominally acceptable. The captions are another matter--changes there are easily made, so ask for whatever you want there.

I am rushing to get this in the mail. The deadline for thesis submission to the Grad School is June 22 so please bear that in mind.

The final plates will be of better quality. This is one set which Don rushed off--he will make a new set of negatives with better contrast.

An Equal Opportunity University

Hunt Institute for Botanical Documentation

All the best. I have now idea how the women's basketball team fared after they reached the 1/4 finals. You can tell how much a fan I am.

Hope you are both well and enjoying your time in Frankfurt.

With best wishes,

Alan Davis

AD:ca

enclosures

Hunt Institute for Botanical Documentation

PENNSTATE

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Energy and Fuels Research Center

(814) 865-6543
(814) 865-6545
FAX: (814) 865-3573

The Pennsylvania State University
205 Research Building E
University Park, PA 16802

ans. 4-III-92

February 20, 1992

Dr. Alfred Traverse
c/o Dr. Friedemann Schaarschmidt
Forschungsinstitut - Naturmuseum Senckenberg
Senckenberganlage 25
6000 Frankfurt a/M 1
DEUTSCHLAND
(GERMANY)

Dear Al,

Sorry to bother you out there. I am expecting to receive momentarily Costa's revised dissertation. How am I to get your approval of the changes you required and your signature? I am willing to send you copies of his MS if you will let me know what sections and/or plates you would like to see. One way to speed this up would be if you have access to a FAX machine. Of course we would still have to send out originals of the signature page.

The major constraint of course is time. The grad school expects approved theses to be there by March 16.

With best wishes to you both.

Alan Davis

AD:ca

An Equal Opportunity University

Hunt Institute for Botanical Documentation

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

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

Date: 3 July, 1990

From: Alfred Traverse

To: Alan Davis

Re: yours of 22-VI-90

Because of urgent distractions I did not get to visit with Ekweozor at all and with Stout only briefly. However, I know Scott Stout pretty well, and I would expect him to be a valuable member of any staff he chooses to join.

AT/et

Hunt Institute for Botanical Documentation

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

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

Date: 31 August, 1987

From: A. Traverse

To: A. Davis

Re: 'scope situation in Deike 418

In our annual check in Room 418, preparatory to teaching palynology, we discovered that there were only 14 of the 423 palynological teaching scopes in the room. After considerable detective work we found that Michele Lamberson and Costa Karytsas each had one of these scopes. These should be signed out by serial number from me, if necessary--though in general I'd rather that all of the palynology-type scopes were left in Room 418 at all times.

Could we agree that the taking of palynological scopes out of 418 is to be discouraged--but if any are taken out, I must be informed?

AT/et

Hunt Institute for Botanical Documentation

3 March, 1981

Dr. Alan Davis
Pennsylvania State University
Coal Research Section
513 Deike Building
University Park, PA 16802 USA

Dear Al:

I wasn't asking for anything in particular, just calling attention to the fact that I couldn't possibly do 423, 21 and 427 simultaneously. If 21 is moved to another term, that will certainly help, although I would like to hear what my obligation will be in the new "fossils" course. It would be undesirable for that to be put into the fall term too, if 423 is to be then. I presume that the 423 change is being pushed through the necessary office to get it in the course listing "magazing"?

All the best.

Yours very truly,

Alfred Traverse
Visiting Professor

AT/et

P.S. Pass this letter along to Charlie Thornton when you're finished. That will save postage.

Hunt Institute for Botanical Documentation

THE PENNSYLVANIA STATE UNIVERSITY
513 DEIKE BUILDING
UNIVERSITY PARK, PENNSYLVANIA 16802

College of Earth and Mineral Sciences
Coal Research Section

Area Code 814
865-6545
865-6544

February 20, 1981

Dr. Alfred Traverse
Visiting Professor
Geologisches Institut
Eidg. Technische Hochschule Zurich
CH-8006 Zurich
Sonneggstrasse 5
SWITZERLAND

Dear Al:

Thank you for your letter of February 10th. Charlie Thornton and I mulled over it yesterday and tried to guess just what you are asking for.

Charlie's suggestion, which seemed to me to be helpful, was that G.Sc. 21 could easily be changed to another term. If you let him know your preference, he will take care of it.

Everything seems to be in order downstairs -- at least there have been no obvious marauders carrying away your microscopes or reprints. Nothing shattering has happened within the department. Things pretty much as usual, which is bad news enough.

My mother always says 'A change is as good as a rest' -- so enjoy it.

With best wishes.

Sincerely yours,

Alan Davis

AD/ksb

cc: Dr. C. Thornton

Hunt Institute for Botanical Documentation

10 February, 1981

Prof. Alan Davis
Pennsylvania State University
Department of Geosciences
Coal Research Section, Deike Building
University Park, PA 16802 USA

Dear Al:

Just got the memo of 30 January re the musical-courses game.

I don't object in principal to teaching palynology in Fall Term--in fact, it has many advantages.

However, and I can't do anything about this at this distance--I must urge you all to give some thought to the following:

423 is a full-time job, as it involves (on paper--actually, more) five contact lecture periods per week (I teach the labs, and must): 375 minutes. I am quite incapable physically of doing that, and also the other things I was slated to do in Fall, '81--Historical Geology (GeoSci 21) and my share (20%) of Evolution (GeoSci--Biol. 427). Something has to give.

I suppose this is really for Charlie Thornton, and I am sending him a xerox, but I do need to hear from one or both of you right away! What does Dr. Thornton suggest? In short, what this would mean is that my three toughest teaching assignments would all be in one term. Oh, my ulcer, ouch!

Best wishes to you and Lorna!

Yours very truly,

Alfred Traverse
Visiting Professor

AT/et
P.S. This is not a "respite"! I have never wprked so hard in my life!

cc: C. Thornton

Hunt Institute for Botanical Documentation

THE PENNSYLVANIA STATE UNIVERSITY
INTER OFFICE CORRESPONDENCE

file

Date: January 30, 1981

From: Alan Davis

To: Drs. Spackman, Traverse, Williams, Slingerland

Subj:

As a result of the agreements which we reached in earlier discussions, I have notified Dr. Thornton that the following changes should be made in our course schedule.

G.Sc. 420 Paleobotany from Fall to Spring term commencing Spring 1982.

G.Sc. 421 Introduction to Coal Petrology from Spring to Winter term commencing Winter 1981.

G.Sc. 423 Introductory Palynology from Winter to Fall term commencing Fall 1981.

Geol. 524 Coal Petrology from Fall to Spring term commencing Spring 1982.

Geol. 526 Problems in Palynology from Spring to Winter term commencing Winter 1981.

Also, G.Sc. 422 Coal Measure Geology will be introduced into the schedule as a regular Fall term course commencing Fall 1981.

Dr. Thornton will make the necessary arrangements with scheduling. He has noted that you would like to maintain your previous classroom and period assignments wherever possible.

AD/ksb

cc: Dr. C.P. Thornton
Dr. D. Gold

Best wishes to you and Betty. Enjoy your respite to the full.

Al Davis

Hunt Institute for Botanical Documentation

GEOLOGICAL SURVEY OF QUEENSLAND
MINERAL HOUSE,
2 EDWARD STREET,
BRISBANE,
QUEENSLAND,
AUSTRALIA.

IN REPLY PLEASE
QUOTE BATCH No.....

5th March, 1969.

Prof. A. Traverse,
Dept. of Geology & Geophysics,
The Pennsylvania State University,
University Park 16802,
PENN. U.S.A.

Dear Dr. Traverse,

Thank you for your reprint "Utah Jet : A Vitrinite with Aberrant Properties".

Yours sincerely,

(Dr. A. Davis)

...te for Botanical Documentation

GEOLOGICAL SURVEY OF QUEENSLAND
MINERAL HOUSE,
2 EDWARD STREET,
BRISBANE,
QUEENSLAND,
AUSTRALIA.

IN REPLY PLEASE
QUOTE BATCH No.....

7th January, 1969.

Prof. A. Traverse,
Dept. of Geology,
The Pennsylvania State University,
University Park,
Penn. U.S.A.

Dear Sir,

Would you kindly send me a reprint of your paper 'Structure and Origin of Jets'.

Yours sincerely,

(Dr. A. Davis)

Smithsonian Institute for Botanical Documentation

SECOND FOLD HERE

WESTERN RESERVE UNIVERSITY
CLEVELAND 6, OHIO

BIOLOGICAL LABORATORY

April 18, 1958

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

Dear Dr. Traverse,

As I told you today over the telephone, the "hystrichosphaerids" that you sent me appear to me to be the egg membranes of copepods. However, I cannot identify the species. You sent two types of specimens. Those similar to the slide that I have checked with red wax pencil I have observed in plankton samples from time to time, but the other type, with the branched spines I am not aquainted with.

Lohmann, H. "Eier und Cysten des nordisches Plankton." Nordisches Plankton Vol. 3(?). 1910, has some figures of eggs from the plankton, some are somewhat similar to your specimens.

Steuer, A., in his Planktonkunde, 1910, has a figure (Fig. 128, pg 209) of the egg of Centropages hamatus, which looks a little like the egg I am familiar with, but has longer spines. This figure he took from another paper by Lohmann: "Eier u. sog. Cysten." Erg. d. Plankton-Expedition, Band IV. N. 1904.

Other copepod eggs are illustrated in Marshall, S. M. and A. P. Orr, 1955, "The biology of a marine copepod", Oliver and Boyd, London, who show a photograph of the egg of Calanus finmarchicus in their fig. 2, opposite pg. 7, and in Johnson, M. W., 1934: "The life history of the copepod Tortanus discaudatus," Biol. Bull., 67(1): 182-200 (in his figs. 1-3, pg 187). Calanus and Tortanus eggs, however, are very different from the things we are considering.

Many copepods, especially fresh-water species, carry their eggs in egg sacs, attached to the body of the female, but in a large number of marine species, and in some of the fresh-water species as well, the eggs are laid free in the water. Aside from the above references, I am not immediately aware of other studies on these free-floating eggs, and I believe there has been little work done towards correlating eggs with species.

In my work in Florida waters I obtained samples containing many copepod eggs, and in searching through the samples that I brought with me to Cleveland I found some of these (I know them to be copepod eggs because I observed fully-developed nauplii in some of them). I am shipping to you under separate cover a plankton sample containing a large number of these eggs, and enclosed in this letter is a photograph of some of them so you will know what you are looking for. These eggs differ from any descriptions or illustrations I have been able to find, and therefore I do not know to what species they belong. Because of the abundance of Centropages furcatus in the same samples, I have suspected that they belong to that species, but this by no means is certain. They differ from eggs previously described for other species of the same genus (e.g., that illustrated in Steuer, mentioned above).

Hunt Institute for Botanical Documentation

You may, of course, use the sample as you desire. On the other hand, I would appreciate the return of the photograph, which I use for teaching purposes.

I will be very interested to hear the results of your tests with the copepod eggs I am sending to you, and their comparison with the hystrichosphaerids. If you want to have me attempt a further search of the literature to uncover more information concerning pelagic copepod eggs, I will be glad to do so, although I have considerable doubt that anything much will be turned up. I am sorry that in the samples from Florida waters that I have with me I could find no examples of the eggs that I have seen previously like the hystrichosphaerid on the checked slide. Because I could not do so, I could make no direct comparisons of the two, and had to rely on my memory of the pelagic eggs. The specimens you sent are somewhat smaller than the spiny eggs I am sending to you, but not unreasonably so, I believe. Without specimens or descriptions for direct comparisons, you will understand that my identification contains a certain amount of uncertainty, but this is the reason for your making tests on the undoubted copepod eggs I am sending to you.

I shall look forward to the possibility of meeting you personally sometime in the not too distant future.

Sincerely yours,

Charles C. Davis

Charles C. Davis

PS Under separate cover I am returning the slides you sent to me, including the two that were broken in transit to me. I hope no more are broken on the return trip.

Hunt Institute for Botanical Documentation

THE ACADEMY OF NATURAL SCIENCES

NINETEENTH AND THE PARKWAY, PHILADELPHIA, PENNSYLVANIA 19103 Phone 567-3700 Area Code 215

May 16, 1978

Dr. Alfred Traverse
Professor of Palynology
Pennsylvania State University
Department of Geosciences
Palynological Labs.
University Park, PA 16802

Dear Dr. Traverse:

I am sorry not to have responded to your letter of 22 November 1977 earlier. I was in South Africa from November, 1977 through February, 1978 and am just now getting caught up on things.

I am sorry that the paleobotanical collection was not mentioned in my article on the Academy in the ASC Newsletter. The collection is here, in very good condition, and well cared for. It does have some very unusual things in it. It slipped my mind because it is a very small collection and nobody here is actually working in Paleobotany. All is well with the collection however.

Thank you for your interest.

Sincerely,

Dr. George M. Davis
Chairman,
Department of Malacology

GMD/cp

Hunt Institute for Botanical Documentation

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

25 February, 1992

Joe P. Davis, President
Engle Petroleum, Inc.
805 S. Macon St.
Jesup, GA 31545

Dear Mr. Davis:

Yours of 29 January, 1992, was forwarded to me here, where I am on sabbatical leave until July.

I had to rack my brains quite a bit about your query. With the help of my assistant, who is also my wife and with me here, I finally recalled the circumstances.

Bruce Cornet did discuss the possibility of a thesis project for a graduate student, based on the Cretaceous samples that you describe. However, it was my conclusion that there were too many strings attached at that time, and the graduate student in question undertook a study of outcrop Cretaceous sections in Texas instead. He recently completed and now lives in New Orleans.

We believe that the samples you write about were in fact sent to us at Penn State. If so, they are still there and nicely curated. However, nobody but me could find them without disturbing other things, so it won't happen until next summer when I get back.

It is still possible that a student would want to undertake this project, especially if the student would know that publication of the results would be possible. On the other hand, if you want the samples back, we can arrange that too.

Best wishes.

Yours very truly,

Alfred Traverse, Ph.D.

Alfred Traverse

Hunt Institute for Botanical Documentation

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

11 April, 1989

Mr. John P. Davis, Jr.
435 Sixth Ave.
Pittsburgh, PA 15219

Dear John:

How nice of you to write! It would be fun to see you again. Betty and I recall from time to time entertaining you in 1951 in our little apartment on Walnut Street and to get a return invitation for, say, the 38th anniversary of the event would be very memorable!

Good to know you're a trustee of the Carnegie. The Natural History Museum is outstanding. The director (Jim King) does the same sort of research I do--or he used to when he wasn't an administrator. The curator for my field is a very talented woman who helped edit my recently published textbook. Because Penn State has no museum I have willed my library and collections (best in North America) to the Carnegie. I guess the appointment you read about is intended to cement the bond! No problem--I <u>like</u> Pittsburgh and do get there from time to time (I am also archivist for some collections that are kept at the Hunt Botanical Library, Carnegie-Mellon).

At the moment I'm getting ready to leave for Europe. Lectures and meetings in Switzerland and West Germany. Betty joins me in mid-May and we'll go to Austria for a week or two. Back in June. I'll be in touch!

Hope you enjoyed Harvard's winning NCAA hockey national championshp as much as my son ('74) and I did!

All the best.

Yours very truly,

Alfred Traverse

AT/et

Hunt Institute for Botanical Documentation

fone. 4 gues

John P. Davis, Jr.
435 SIXTH AVENUE
PITTSBURGH, PA 15219

MELLON SQUARE
435 SIXTH AVENUE
PITTSBURGH, PA 15219

April 7, 1989

Mr. Alfred Traverse
Pennsylvania State University
Department of Geo-Sciences
435 Deike Building
University Park, PA 16802

Dear Al:

I was delighted to read in the paper recently of your appointment as a research associate at the Carnegie Museum of Natural History. I hope this means that you will have an opportunity to get to Pittsburgh from time to time.

I have been a trustee of The Carnegie in recent years and am glad to know that you are going to help put your shoulder to the wheel. Unfortunately, I really know very little about natural history; my preference is for Museum of Art affairs.

I hope you might let me know when you plan to be in Pittsburgh one of these days. It would be nice to have lunch or dinner with you and to catch up on what you have been up to. If Mrs. Traverse can make the trip with you, Mary and I would be glad to meet her.

I look forward to hearing from you.

Very truly yours,

John Davis

John P. Davis, Jr.

JPD,Jr.:pls

P.S. Home phone: 963-6339 (preferred)
Office phone: 288-3164

Hunt Institute for Botanical Documentation

747 UNION TRUST BUILDING
PITTSBURGH, PA. 15230

December 15, 1970

The Rev. Alfred F. Traverse
809 Cornwall Road
State College, Pennsylvania 16801

Dear Al:

I have been asked to get in touch with the Western Pennsylvania members of the Harvard Class of 1947 to try to stir up some interest in a special contribution for our Twenty-Fifth Reunion Gift. I am advised that you have already contributed $100 for 1970, and I am not sure whether you meant this to constitute your special effort for reunion purposes.

If you can increase your contribution, obviously Harvard would be very pleased. On the other hand, I have a brother in the ministry myself, and I imagine $100 is a pretty thoughtful gift already.

I plan to get in touch with you personally within the next few months, but I thought I should bring this matter to your attention while there is still time to make an additional gift in 1970 if it seems appropriate. Thank you very much.

Very truly yours,

John Davis

John P. Davis, Jr.

JPD,Jr.:gjh

Enclosures

Hunt Institute for Botanical Documentation

May 15, 1959

Mrs. L. Irby Davis
1122 E. Polk
Harlingen, Texas

Dear Mrs. Davis:

I very much appreciated your many courtesies to me while I was in Harlingen, ranging all the way from escorting me to the extremely interesting palm groves to arranging that pleasant get-together with the Johnstons. When it is considered that I suppose you had never heard of me and my work before I arrived in Harlingen, your friendly reception was especially generous.

The papers you lent me are in the course of being photostated, and I'll send them back to you under separate cover in a few days. It was very nice of you to let me use them.

We had a very profitable time of it up at the Welder Wildlife Refuge. It is a fabulous place. We made our base there and collected also at Aransas Refuge-- a very interesting locality because of the more or less astonishing association of Persea (bay), Vaccinium, and oak, so far south of the main body of this association. Actually, Houston is on the southern border of the distribution of Persea except for these anomalous coastal occurrences.

We spent a nice day in the field with Fred Jones, the amateur botanist in Corpus Christi. He took us to the Lake Corpus Christi State Park, a peculiar habitat on calliche bluffsides.

I hope you will reinvigorate your interest in the palm groves to the extent of trying to get the essentials of your thesis published. I also hope that someone will actually see to it that a portion of what is left of the groves will indeed be set aside as a nature preserve.

Very best wishes.

Very truly yours,

Alfred Traverse

AT:pjd

Shell Development Company

Exploration and Production Research Division

Hunt Institute for Botanical Documentation

TO Alfred

DATE 5-1-90 TIME 3:00

WHILE YOU WERE OUT

M. Margaret Davis

Of U. of Minnesota

Phone 612-625-1102

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

MESSAGE URGENT

Signed J

The Standard Register Company

was about
Mazopharin, from
Pakistan

Hunt Institute for Botanical Documentation

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

13 March, 1989

Dr. Margaret B. Davis
Dept. of Ecology & Behavioral Biology
University of Minnesota
Minneapolis, MN 55455

Dear Margaret:

If the information reported in Science (10.II.89, pp. 735 ff.) is published somewhere, I'd like a reprint, as I don't like quoting from secondary sources. Interesting ideas.

Best.

Yours very truly,

Alfred Traverse

AT/et

Hunt Institute for Botanical Documentation

NATIONAL SCIENCE FOUNDATION

PROPOSAL EVALUATION FORM

NSF Form 1 (9/83)
Supersedes All Previous Editions

PROPOSAL NO.	INSTITUTION	PLEASE RETURN BY
BSR-8407943	UNIVERSITY OF MINNESOTA	3/14/84

PRINCIPAL INVESTIGATOR	NSF PROGRAM
MARGARET B. DAVIS	ECOLOGY PROGRAM

TITLE

HOLOCENE RANGE EXTENSIONS OF HEMLOCK AND BEECH INTO THE UPPER GREAT LAKES REGION

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

I have kept in touch with Margaret Bryan Davis' work for many years. She has a fine mind and has turned it to quantitative palynology with considerable productivity. Actually, when one looks at the record, she has pursued a few quite good ideas with remarkable tenacity and has plowed out some furrows (Pollen Influx, etc.) about as thoroughly as seem needed. Her research has been remarkably focussed, especially around ideas relating to statistically based application of palynological data to drawing conclusions about forest history. This proposal is quite in keeping with her previous work and promises more such careful analysis of the sediments described, with expected revelations about the distribution of two tree species, for a presumed disease-related decline of one of which she is already noted. Dr. Davis is a very talented scientist and I am sure the work will be carried out with impeccable professional competence, as has been true in the past.

The proposal itself I would fault as too long--it is barely within the NSF guidelines as to textual length, if the figures and their captions are excluded. With them included (and why not?) it is much too long. I feel it is an imposition on reviewers to provide this much information--a monograph in its own right, and I have several times previously inveighed against this practice. It has a tendency to snowball. If Professor Davis submits such tomes, will I be funded with a short, succinct proposal? I would like to penalize massive proposals if I could. Their massiveness does not "snow" me. The proposer should state his/her proposed research as briefly as possible and the funding should be based on past performance, present status and projection of probable future success.

Now for another series of matters which very much concern me. This proposal, if funded, will support 2 graduate students for three years for about $90,000, including overhead. That's about $15,000 per student per year. They'll get good training from a top field and lab instructor in a top lab. Well and good, regardless of the merits of the research--which in my opinion is interesting and moderately important. However, I have doubts all over the place whether a post-doc at something like $%15,000 for three years including fringe benefits and overhead is justifiable, with so many of us having trouble supporting deserving graduate students. Who is the post-doc anyway? Mr. Schwartz, whose vita is given, apparently doesn't even have a master's degree, much less a Ph.D. Is Dr. Davis

OVERALL RATING: ☐ EXCELLENT ☒ VERY GOOD ☐ GOOD ☐ FAIR ☐ POOR

REVIEWER'S SIGNATURE: Alfred Traverse DATE: 15 Mar. 84

REVIEWER'S NAME (TYPED)

OTHER SUGGESTED REVIEWERS (OPTIONAL)

Dr. ALFRED TRAVERSE
~~DEPT OF BIOLOGY~~
~~439~~ 435 DEIKE BLDG
UNIVERSITY PARK, PA 16802

REVIEWER'S COPY

Hunt Institute for Botanical Documentation

recruiting for a post-doc?

This brings me to the impressive salary of Professor Davis herself and its implication for this proposal. It is perfectly legitimate within present NSF guidelines for her to put a segment of her salary on a NSF proposal, and I don't fault her under present circumstances for doing so. Again, however, I'd like to raise the issue of the limited number of NSF dollars available to support graduate students, minimal supplies and equipment, etc., at dozens of universities around the country, and wonder out loud if it would not be desirable for NSF to set some ceiling on the salary-increment slot of a proposal budget. As stated above, the two graduate students are well worth supporting, and the research on hemlock and beech pollen is quite an interesting idea and is well laid out. But is it worth well over $100,000 (±60,000 plus fringe and overhead) of NSF's small stock of big ones to provide Margaret Davis with a whopping increment to her salary, most of which will presumably wind up with the IRS anyway?

In sum, if this were a three-year proposal such as most of those I review, in the ±$200,000 range, I would say great. As it stands, I just can't imagine that the post-glacial experiences of Tsuga and Fagus in the Michigan area are worth approaching a half-million dollars to the USA taxpayers. According to your guidelines, I can't take this matter into consideration in the overall rating, and I haven't, but I believe this is a matter that must be addressed. There is a "rich-get-richer" problem here that bothers me greatly. I have another NSF proposal before me with exactly the same problem. Why not establish a policy that professors can augment salaries up to - what - $50,000? - and no more? When a professor already makes $60,000 in base salary it seems to me that he/she could well be content to let somebody at Underprivileged U. have the dollars for purchase of basic chemicals. Indeed, the two superbly paid professors whose NSF proposals are on my desk at the moment both hold endowed chairs at their respective universities. The princely salaries accompanying endowed chairs are supposedly justified in large part by the concept that the holders of these chairs will be thereby freed from the necessity of augmenting their salaries, and can therefore devote their time to their research and their students, Q.E.D.!

Hunt Institute for Botanical Documentation

March 20, 1968

Dr.

Dr. Maggaret B. Davis
Great Lakes Research Institute
University of Michigan
Ann Arbor, Michigan 48104

Dear Margaret:

Thank you for the reprints of "Determination of absolute pollen frequency" and "Pollen accumulation rates at Rogers Lake, Connecticut, during late- and postglacial time", which arrived some time ago.

Your technique seems very elegant. I have only one comment, which may or may not be of interest. Perhaps you noted in my 1966 paper in Marine Geology, p. 427, that my calculations of pollen per gram of sediment are based on weighing the amount of residue on the slide to tenths of a milligram instead of measuring it volumetrically as you do. It is simple and more accurate than volumetric measurements. Perhaps not adaptable to the rest of your technique though?

Best wishes.

Yours very truly,

Alfred Traverse
Associate Professor of Geology

AT:kwc

Hunt Institute for Botanical Documentation

19 October, 1966

Dr. Margaret B. Davis
Great Lakes Research Division
Etc., etc.

Dear Margaret:

Thanks for the little lecture on bibliographic techniques. I have handed out so many of them, that I suppose I had it coming, in a way. But in this case it was you who didn't get the point--doubtless from my failure to be explicit. I sent you the little tab from the dittoed thing you had sent me to kid you a little about having forgotten that you put it on the paper (at least you denied it in Utrecht). However, the paper on which it appeared was not the preprint of the Kummel-Raup contribution. I also have a copy of that preprint, and it is multilithed, not dittoed, and does not have the no-cite, no quote notation. The title of the dittoed thing from which I cut the tab is "An improved technique for absolute pollen frequency", or something of the sort. (One of the graduate students in my palynology seminar has it on loan, and I can't check exactly.) Of course I know enough to cite from a published paper when that is available, and for present purposes, the Kummel-Raup contribution is sufficient, but I thought it would be desirable for completeness to be able to quote from the improved version. I look forward to getting the reprint of the published paper.

In the palynology seminar we have spent two sessions studying your papers (the one in Amer. Journ. of Science, the one in Kummel-Raup, the one with Deevey on Rogers Lake), along with others that have to do with the theory of pollen analysis and its reliability as a technique (such as the pertinent parts of the Faegri-Iversen text). I am afraid that I remain of the opinion that APF is not a widely applicable idea because of the very special circumstances that must apply in order to use the method. In most situations I can't see anything better than pollen per gram of sediment. Since pollen is such an obligate fellow-traveller of silt-sized particles, differences in sedimentation-rate seem to be ironed out--I mean if the rate of silt-clay accumulation in Galveston Bay decreases, so does pollen accumulation, since nearly all of it is sedimented as a result of the same forces that cause sedimentation of silt. I seem to get meaningful and repeatable results using pollen per gram. Nevertheless, consideration of the APF technique has sharpened up our understanding of the whole subject of pollen sedimentation, and arguing about your papers has been stimulating.

Best wishes and all that.

Hunt Institute for Botanical Documentation

Oct. 13, 1966

Dear Al:

You do[illegible] seem to get the point, wh ch [illegible] that the "Do not quote or cite" directive is meant to force people to cite the published version of the paper, which can be found by readers in libraries, instead of the preliminary ms or preprint, which cannot be found in libraries. I am glad that you cited the paper in Kummel and Raup - the ms is virtually identical and was sent out as a preprint simply because of the long delay in publication . There is no reason why anyone should want to cite a preprint after its published version appears.

It was good to see you in Utrecht; I hope you enjoy your job at Penn State.

Regards,

Margaret

Margaret Davis

Under separate cover I'll send another paper with an updated version of the APF method - this may be the published version of what you are wanting to cite. Ecology, Abst

Hunt Institute for Botanical Documentation

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

22 June, 1966

Dr. Margaret B. Davis
Great Lakes Research Division
North University Building
The University of Michigan
Ann Arbor, Michigan 48104

Dear Margie:

The packet of very welcome reprints came to me here. The above is my address from now on, and perhaps you could change your files accordingly. Your secretarial help will probably be thoroughly confused, but that's America on the move for you.

Now that I am free to publish a bit, at last, I believe that it will turn out that our mutual interest in the basic underpinning of palynology will turn out to have a lot in common. Shell has finally released one of my older pieces of work, and I'll give it as a paper at the International meeting this summer, if I can find any way of financing the trip.

I look forward to seeing you again one of these days.

Yours very truly,

Alfred Traverse
Associate Professor of Geology

X gad — what a sentence! — I can't think through a IBM typewriter.

Hunt Institute for Botanical Documentation

21 April, 1966

Dr. Margaret B. Davis
Great Lakes Research Division
University of Michigan
Ann Arbor, Michigan

Dear Margie:

I find to my surprise that I apparently don't have a reprint of your paper, "Pollen accumulation rates: estimates from late-glacial sediment of Rogers Lake", and your other papers on related subjects. (such as the paper in "The Quaternary of the United States", which I suppose may not be available as a reprint).

Shell has finally released some of my early work for them and, in connection with getting same ready for press I sure could use copies of your papers.

Have been on here as visiting lecturer this year and am now trying to find a more nearly permanent place where I can practise the art. (of palynology-paleobotany, that is). If I can find a place to hang my hat in time, I intend to go to the international conference in Utrecht next summer and present some of my results. So far, no luck.

Would be good to see you again one of these years.

Yours as ever,

AL

Alfred Traverse

Hunt Institute for Botanical Documentation

Owen Davis

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

Al,

Regarding archival material:
Fred Rich tells me he has nothing to send.
Scott Anderson "will get back to me."
I will have several boxes.

Regarding Awards:
I'm glad I asked. I'm sure that we can honor your preferences.

Owen.

----- Original Message -----
From: Alfred Traverse <traverse@ems.psu.edu>
To: Owen Davis <palynolo@geo.Arizona.EDU>
Sent: Wednesday, May 10, 2000 2:14 PM
Subject: Re: IFPS

> At 08:15 AM 5/5/00 -0700, you wrote:
> >Al,
> >
> >First, my IFPS administration is winding down, and I wonder
> >if you still are willing and able to serve as IFPS historian and
> >transfer my (and some of Jim Canright's) materials to (?).
> >I have forgotten where you deposit it.
>
> AT: Yes, I am willing to do it, and I think the fact that an interested
> person (and former president) shows up with the stuff in tow and sees to it
> that it gets into exactly the right place, is very helpful. I travel to
> the Hunt Library at my own expense because it's fun, for one thing. Anita
> Karg has recently retired, so there will be a new archivist at the helm,
> and I will get acquainted with her successor, whom I have met, but I can't
> remember her name without consulting files that are at home. The Hunt also
> has AASP, and the paleobotanical section of BSA, etc., etc.
> >
> >Second, Jim Canright suggested some time ago that IFPS
> >should begin a tradition of providing the presidents with a
> >commemorative plaque. He was thinking of Henk Vischer
> >when the topic came up. I am poised to act on his suggestion,
> >and I plan a simple, inexpensive plaque with a medallion.
> >I have posted an image at
> > (AT: I've already
> told you that I am not into such matters, but I did want to write you, so
> I'll take this opportunity to do it, about the Owen Davis blurb in Science,
> which I read with great admiration. Terrific. Congratulations!)
> >
> >Your comments and suggestions are welcome. AT: Well, you asked, so I'll
> tell you. I personally would prefer a very nice, hand-lettered certificate
> on a super quality paper. That I could frame, or put in a book of such

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> things. The plaques usually end up ingloriously, not so? (I just burned
> up one that my wife's grandfather got from YMCA, which he served for fifty
> years. I hated to do it, but what can you do with such things?)
>
> All the best, good friend
>
> Al
>
> Alfred Traverse
> Palynological Labs.
> Department of Geosciences
> 307 Deike-PSU
> University Park, PA 16802
> Ph.:814-863-3419
> Fax:814-863-7823

Hunt Institute for Botanical Documentation

To: "Owen Davis" <palynolo@geo.Arizona.EDU>
From: Alfred Traverse <traverse@ems.psu.edu>
Subject: Re:
Cc:
Bcc:
Attached:

At 09:45 AM 3/31/99 -0700, you wrote:
>Al,
>
>As you know, I am ever interested in palynological
>education. Do you have, somewhere, a list of your
>students who have become palynologists? I'd like
>to know how many of "us" there are "out there."
>
>Owen.
>
>Professor Owen K. Davis 520 621 7953
>Geosciences, U of Az FAX 621 2672
>Tucson, AZ 85721-0077
>

Hunt Institute for Botanical Documentation

To: "Owen Davis" <palynolo@geo.Arizona.EDU>
From: Alfred Traverse <traverse@ems.psu.edu>
Subject: Re:
Cc:
Bcc:
Attached:

At 09:45 AM 3/31/99 -0700, you wrote:
>Al,
>
>As you know, I am ever interested in palynological
>education. Do you have, somewhere, a list of your
>students who have become palynologists? I'd like
>to know how many of "us" there are "out there."

HI, OWEN!

IT WOULDN'T TAKE LONG FOR ME TO GENERATE SUCH A "LIST." BUT FIRST I WOULD HAVE TO HAVE MORE INFORMATION. E. G.: WHAT CONSTITUTES A "STUDENT" OF MINE? GRADUATE STUDENTS IN TOTO, OR ONLY PH. D. STUDENTS? OR MAY I INCLUDE PEOPLE WHO TOOK MY UNDERGRADUATE COURSES TOO? (SUCH AS FRED RICH, FRANK PAZZAGLIA, DEB WILLARD, PAUL STROTHER, ART COHEN, ETC.) WHAT CONSTITUTES A PALYNOLOGIST? I. E., IS ART COHEN AT UNIV. S. CAR. A PALYNOLOGIST? I DOUBT HE WOULD SO DESCRIBE HIMSELF, BUT HE HAS PUBLISHED A FAIR AMOUNT OF PALYNOLOGY.

INCIDENTALLY, I WAS THINKING OF A LOT OF THESE PEOPLE AS THE SORT OF PERSON YOU WERE TALKING ABOUT A WHILE BACK, WITH A BROADER VIEW OF PALYNOLOGY.

BY THE WAY, I NEVER EVER DID GET ANYTHING IN THE WAY OF A CIRCULAR ABOUT THE IPC IN CHINA NEXT YEAR, NOT FROM YOU, NOT FROM THE CHINESE, NOT FROM ANYBODY. I DID GET FROM YOU VIA E-MAIL AN ABBREVIATED FORM TO FILL OUT AND SEND TO CHINA, WHICH I DID.

I HAVE ALSO BEEN HAVING A HELL OF A TIME GETTING REGISTERED FOR THE INT. BOT. CONGRESS IN ST. LOUIS NEXT SUMMER. I DEDUCE THAT SO MUCH EMPHASIS IS PLACED ON COMPUTER REGISTRATION, THAT POOR BOOBS WHO INSIST ON DOING IT BY SNAIL MAIL ARE IN EFFECT IGNORED.

BEST. AL.

Hunt Institute for Botanical Documentation

Delivered-To: traverse@ems.psu.edu
Reply-To: "Owen Davis" <palynolo@geo.Arizona.EDU>
From: "Owen Davis" <palynolo@geo.Arizona.EDU>
To: <gwliu@jlonline.com>
Subject: Re: your message
Date: Wed, 10 Feb 1999 08:26:37 -0700
X-MSMail-Priority: Normal
X-Mailer: Microsoft Outlook Express 4.72.3110.1
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3

Gengwu,

Thank you for your kind letter and for the Christmas card. I am very concerned about the "revolutionary reform." Do you believe that you will still be able to host IPC 10? Also, this is the first time you have mentioned the low rate of return to the second circular. I have a message from you saying you were going to use the MAILING LIST I sent to you to send out a second "first mailing." Did you do that? Do not be concerned about the large number of persons asking for support. This is normal. Please remember that the IFPS has funds available for _planning_ and production of the IPC. But, this does not include travel grants.

Owen Davis.

-----Original Message-----
From: Gengwu Liu <gwliu@jlonline.com>
To: Owen Davis <palynolo@geo.Arizona.EDU>
Date: Wednesday, February 10, 1999 7:35 AM
Subject: Re: your message

>Dear Dr. O. Davis,
> How are you? We have not communicated for long time. I mailed you a
>Xmas card and sent you an email message with greeting card in Dec. of
>1988 which I guess have arrived at your hand.
> In the past 7 weeks this institute underwent a revolutionary reform.
>This "revolution" has not ended yet.
> I'll take 2 weeks on leave for the Chinese New Year holidays from this
>weekend.
> We do not know why not very many persons responded the first circular.
>Some people asked for financial aid. Hope we can get some funding to
>support those people.
> Best wishes. Gengwu Liu

Hunt Institute for Botanical Documentation

To: "Owen Davis" <palynolo@geo.Arizona.EDU>
From: Alfred Traverse <traverse@ems.psu.edu>
Subject: Re: your message
Cc:
Bcc:
Attached:

Dear Owen:

It is surprising, from my point of view, that Prof. Liu got ANY responses. He claims he sent me two first circulars--nothing ever came. [What is even more puzzling is that you also say that you sent me two mailings, and neither of them ever came either. I have even contemplated having an official post office examination of the question, as I can't recall in 33 years here ever previously having this sort of experience.]

It would be interesting to conduct a very small poll by e-mail, say just 20 persons--did you ever receive a first circular about....?

Incidentally, NSF has in the past provided travel funds, to be awarded competitively based on merit and need, to American organizations for foreign meetings, including IPC (I know because I got such an award from NSF for the meeting in Novosibirsk--but I didn't go at the end of it because of personal problems.) AASP would have to apply for the grant and than divvy up the $. It may be too late already for a congress in 2000, but maybe not. Bee should be put in somebody's bonnet, if it hasn't already been.

What a mess!

Best. Al

Hunt Institute for Botanical Documentation

To: "Owen Davis" <palynolo@geo.Arizona.EDU>
From: Alfred Traverse <traverse@ems.psu.edu>
Subject: Re: Fw:
Cc:
Bcc:
Attached:

At 01:38 PM 8/5/99 -0700, you wrote:
>Al,
>
>Does Pen State have the copyright to
>the Reinchospora grain that was on the
>front of the "Catalog . . ." I'd like to
>show the image in a PALYNOS article.
>I'll fax a draft to you if you tell me what
>number to use.

HI, OWEN–

YES, PENN [NOTE SPELLING] STATE DOES HOLD THE COPYRIGHT TO THAT FIGURE. IT WAS SOMETHING I ARRANGED WHEN I WAS EDITOR.

MY FAX NUMBER: 814-863-7823.

ON ANOTHER MATTER: ALTHOUGH I NEVER GOT THE FIRST CIRCULAR FOR THE IPC I HAVE NOW RECEIVED THE 2ND CIRCULAR, AND A LONG E-MAIL FROM CHINA URGING ME TO ATTEND, CHAIR SESSIONS, ARRANGE A SYMPOSIUM, ETC. HMMMMM.

I AM JUST BACK FROM THE INT. BOT. CONGRESS IN ST. LOUIS. THE BRETHREN THERE AT THE IOP MEETING WERE VERY EXERCISED THAT THE CHINESE HAVE APPARENTLY ARRANGED THE TRADITIONAL IOP SESSION THAT IS CORRELATED WITH EACH IPC FOR A WHOLE MONTH (!) AFTER THE IPC. FEW PEOPLE WANT TO STAY IN CHINA THAT LONG . HMMMM.

BEST. AL.

Hunt Institute for Botanical Documentation

Owen Jones 10 May 199

To: "Alfred Traverse" <traverse@ems.psu.edu>
Subject: Re: analyses?

Al,

You may have forgotten to send me your list of students, but I'm not at all sure why you haven't heard of Joel L. Pederson <bolo@unm.edu>. He asked me to return some Pliocene - Miocene pollen samples from the Great Basin, because he was going to send them to you. I cc'd you because (1) I though you'd like to know they were on their way and (2) you'd like to know that I'd already looked at several of them. I extracted two samples at the request of James Ashby, an undergraduate student who was processing and trying to count the samples for Joel. The 2 were essentially barren, but James thought he had seen some pollen, which he was having trouble identifying, in other samples he had extracted. I told him to send me those samples and he sent a dozen or so. They were all very very thin, sometimes with lots of organic debris, and usually with lots of algal spheres (pink from safranin). The concentration in the 2 samples I extracted was a few grains per cc. Two of the samples, though, had enough pollen to get a 300 grain count off the slide. Those are the counts I sent you I guess I'd expect the same from anyone else in this circumstance -- someone else asked to count the same stuff.

Do you know the story of Linda Heusser, Les Sirkin and Roger Byrne all counting the same core from the Guyamus Basin?

Owen.

-----Original Message-----
From: Alfred Traverse <traverse@ems.psu.edu>
To: palynolo@geo.arizona.edu <palynolo@geo.arizona.edu>
Date: Thursday, May 06, 1999 12:41 PM
Subject: analyses?

>Hi, Owen--
>
>Despite the advancing years I still seem to have excellent recall, but the
>e-mail from you to Joel Pederson with the analytical results doesn't seem
>to scratch me anywhere that I itch. Is this another case of a letter
>addressed to me that never arrived? Can you clarify?
>
>Best. Al Traverse
>Alfred Traverse
>Palynological Labs.
>Department of Geosciences
>307 Deike-PSU
>University Park, PA 16802
>Ph.:814-863-3419
>Fax:814-863-7823

Hunt Institute for Botanical Documentation

Davis, Owen

To: palynolo@geo.arizona.edu
From: Alfred Traverse <traverse@ems.psu.edu>
Subject: IFPS
Cc:
Bcc:
Attached:

Dear Owen:

I am not near any of my files at the moment, but I do know that I was chiefly responsible for getting ICP changed to IFPS. The reason for doing this was not what you thought. As ICP we were a dependent commission of the International Paleontological Union (or whatever its title was). Prof. Walliser of Göttingen was head of it at the time. By becoming IFPS we raised our status from a commission to an organization of IPU (or whatever) at the same level as IPU. It also got us out from under Walliser's thumb, and he has never fully forgiven me. ("Prof. Traverse, ich bin mit Ihnen sehr böse.") This did help with some sorts of funding at the time, but that was not a major consideration for the then Council.

Best. Al.

Hunt Institute for Botanical Documentation

To: "Owen Davis" <palynolo@dakotacom.net>
From: Alfred Traverse <traverse@ems.psu.edu>
Subject: Re: your message
Cc:
Bcc:
Attached:

Hi, Owen:

Thanks for further info about the mailing. It is a strange thing.

The reasons I haven't been attending AASP sessions for some years are many. For one thing, we have a place in the Adirondacks, and we like to spend most of October there. Just when they usually meet. Another problem is purely personal and admittedly irrational. When I was president of the international organization whose name I got changed to IFPS, I was treated by many of the leaders of AASP as sort of a criminal. The Newsletter printed personal attacks. When at an AASP meeting I had a meeting in my motel room of the IFPS councillors present, there was a serious threat of throwing me out of the convention. At the formal dinner all sorts of people were recognized, but Geoff Norris (the IFPS sec.-treas.) and I were studiously ignored, etc., etc. It all still sticks in my craw. More recently, the incredibly unfair and stupid way the AASP handled the awarding of the chair was also hard for me to take. PSU had a FAR better proposal, but LSU got the award as a result of machinations that make Chicago politics seem relatively puritan.

However, I think AASP has done a lot of good things. Not only Palynology, though that has been a huge contribution. Also many of the other publications.
I think I will start attending again. For one thing, the petroleum industry is practically eliminating palynology, or haven't you that impression? Gee Whiz, if even Gordon Wood is taking early retirement, at age 49.....So, those of us from outside the oil patch needn't feel so threatened, huh?

I think that folks like you and me should make common cause with Vaughn Bryant, et al., and see to it that what's good about AASP survives.

Being an editor is a very hard job, but I would think you would find editing Palynology very rewarding. Would UA honor you for it? PSU doesn't give one much credit for that sort of thing. Hells Bells, it doesn't bring in a penny. In fact, it COSTS the university money.

I'm looking forward to meeting you. I think you once told me that we had met, but I sure can't remember it.

Best. Al.

Hunt Institute for Botanical Documentation

Delivered-To: traverse@ems.psu.edu
From: "Owen Davis" <palynolo@dakotacom.net>
To: "Alfred Traverse" <traverse@ems.psu.edu>
Subject: Re: your message
Date: Tue, 16 Feb 1999 18:28:25 -0700
X-MSMail-Priority: Normal
X-Mailer: Microsoft Outlook Express 4.72.3110.1
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3

Al,

It's been so long now, that I do not
have a clear recollection of the mailing
of the first copy. I remember that I did
it, but not the actual act. But for the second,
I remember making the copy, then coming
back upstairs, printing the envelope, then
going back downstairs to mail it. Which is
unusual, because ordinarily, I would print the
envelope first, so I wouldn't have to make
two trips.

Thanks very much for the comments of a founding
member. I assume that one of the reasons you
haven't been around is that the "air" is not so good
as you would like it.

Please consider this question. Am I contributing to the
problem by working for the organization? Right now,
my largest and most time consuming duty is to head
the awards committee, which handles all the
certificates and medals, and judges and awards the
student scholarships. There are other committees
which I head, but that is the big one. However, I have
volunteered to take on the "biggest job" in the organization --
that of editor of "Palynology." In my opinion, the organization
would cease to exist without the journal. Which exists
because of the efforts of the chief editor (now Dave
Goodman) and the managing editor (Bob Clarke.)
Like you portray Vaughn, I get certain benefits from my
service -- a chance to see that the awards are distributed
evenly among disciplines. However, I believe that the reputation
of the organization as a "petroleum shop" may be to great
to overcome. I struggle with starting another palynology
organization. But if I do, I certainly cannot serve as editor
of "Palynology."

Owen.

Hunt Institute for Botanical Documentation

Delivered-To: traverse@ems.psu.edu
From: "Owen Davis" <palynolo@dakotacom.net>
To: "Alfred Traverse" <traverse@ems.psu.edu>
Subject: Re: your message
Date: Sun, 14 Feb 1999 10:11:28 -0700
X-MSMail-Priority: Normal
X-Mailer: Microsoft Outlook Express 4.72.3110.1
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3

Al,

Of the five palynologists I've heard from; you, Jim, Scott, Fred, and myself. You're the only one who didn't get the announcement.

I wrote the NSF proposal for the French meeting, but that was then and this is now. Today, I wouldn't make the attempt even _IF_ AASP gave a hoot for IFPS. NSF just doesn't do that sort of thing anymore. You haven't been to an AASP meeting in a while, so you may not realize that the tone of the organization has become decidedly conservative -- in my opinion.
You should ask Jim Canright for his perspective. "Conservative" in the sense that they want to cast the organization narrowly as a geological entity (vs. broader bio - geo - national) and they have voted to hold the AASP meeting with GSA in 2000, rather than with IFPS. I perceive NO interest among the elite of AASP in trying to attract or represent the hundreds of North American palynologists in aerobiology, archeology, or Quaternary Science.
As the big petroleum palynology laboratories fall one by one to the reflection seismologists, the response of AASP seems to be to circle the wagons tighter and tighter, so that no other palynologist can "get in." Curiously, the one person I think could reverse this trend -- Vaughn Bryant -- seems to support it, or to be unconcerned.

Owen.

Hunt Institute for Botanical Documentation

To: "Owen Davis" <palynolo@geo.Arizona.EDU>
From: Alfred Traverse <traverse@ems.psu.edu>
Subject: Re: IPC in China 2000
Cc:
Bcc:
Attached:

Hi, Owen:

Well, in my 33 years here there has only been one previous known case of a piece of mail that a responsible person said had duly been mailed to me and which failed to reach me (not counting my GSA publications which someone for a year or so pilfered, but I hardly think the poor grad students want your letters to me). Hmmmm. Still no sign of either of the two you say were mailed. Of course, if you really addressed the things as you say in the e-mail--without my name, just to palynological labs. etc., they might well not have been delivered to me but are still wandering around the university somewhere. My name still has reality here, but neither my association with Room 307 nor "palynological laboratory" has any reality to mail deliverers any more. Sad fact of life.

Good idea. I will fill out the form you e-mailed and send it in. I am also trying a snail mail letter to Dr. Liu.

I am sending you a printout of the as usual inscrutable explanation of the return of my effort to send him an e-mail with the addresses you provided .

Which reminds me, did the copy of the letter from Ken Hsü I sent you ever arrive? I thought you would identify with his comments on the meeting HE is trying to organize later this year, which I have been invited to address (but probably won't).

All of us are wondering if it is this hard to sign up, how many people will make it to China in 2000!

Best. Al

Hunt Institute for Botanical Documentation

To: palynolo@geo.arizona.edu
From: Alfred Traverse <traverse@ems.psu.edu>
Subject: IPC
Cc:
Bcc:
Attached:

Hi, Owen-- Jarvis

I have this unrequited feeling that nothing ever came of my request for info or whatever that would lead to my getting the first circular for the meeting in 2000 in China. I think I recall that you were going to xerox and send me something. If you did, it must have miscarried somehow. Could you still do it?

While I have your attention I'd like to urge you to try to get the Chinese folks to keep good records for the Congress work, so that same could be added to your materials for the next batch of archival materials, which I guess I am still in charge of.

Comes to mind, as I am going to the Hunt Library soon with a batch of materials from another source.

Have a great 1999.

Best. Al.

Hunt Institute for Botanical Documentation

Owen Davis, 09:32 AM 11/5/98 , No Subject

Delivered-To: traverse@ems.psu.edu
Reply-To: "Owen Davis" <palynolo@geo.Arizona.EDU>
From: "Owen Davis" <palynolo@geo.Arizona.EDU>
To: "TraverseAl" <traverse@ems.psu.edu>
Date: Thu, 5 Nov 1998 09:32:59 -0700
X-MSMail-Priority: Normal
X-Mailer: Microsoft Outlook Express 4.72.3110.1
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3

Al,

Would you know where to look for the
birth and death dates of
E. Gunnar Erdtman and
Isobel C. Cookson?

Owen.

Professor Owen K. Davis 520 621 7953
Geosciences, U of Az FAX 621 2672
Tucson, AZ 85721-0077

Erdtman 1897-1973

Source: Paleopalynology
p. 11

Cookson 1893-1973

Source; Mary Jettmar's
1988 obit (in Radi,
H., ed., 200
Australian women,
a redress anthology -
Women's Redress Press
Inc., Broadway,
N.S.W. 182-183

Hunt Institute for Botanical Documentation

To: palynolo@geo.arizona.edu
From: traverse@ems.psu.edu (Alfred Traverse) Owen Davis
Subject: refs
Cc:
Bcc:
X-Attachments:

Dear Owen:

Hi. Have you already explained to me why there is a different add. from the above in the AASP directory?

I have a little problem with which I hope you can help. I am writing a little article in which I wanted to cite books I can remember that presented paleo-vegetation maps based on pollen analyses from cores. One is Delcourt & Delcourt 1987--is there something more recent for N. Amer.?

Secondly, I remember perusing a volume that presented similar maps for NW Europe. It's in our library, but I can't come with it from the university's computer system. Does it ring a bell with you?

All the best. Yours. Al.

Hunt Institute for Botanical Documentation

Date: Wed, 25 Jun 1997 11:39:46 -0700 (MST)
X-Sender: palynolo@geo.arizona.edu
To: traverse@ems.psu.edu (Alfred Traverse)
From: Owen Davis <palynolo@geo.arizona.edu>
Subject: Re: refs

Al,

1. Thanks for noticing the
error in my AASP listing.
I sent a message to Dave Pocknall.

2. I think that Paul and Hazel's
work is the most recent for N. Amer.
H.J.B.
3. The book is by ~~Brian~~ Huntley & ~~John~~ Birks, 1983
An atlas of past and present pollen maps for Europe,
0-13,000 yrears ago. Cambridge Univ Press. 667 p.p.

At 02:24 PM 6/25/97 -0400, you wrote:
>Dear Owen:
>
>Hi. Have you already explained to me why there is a different add. from the
>above in the AASP directory?
>
>I have a little problem with which I hope you can help. I am writing a
>little article in which I wanted to cite books I can remember that presented
>paleo-vegetation maps based on pollen analyses from cores. One is Delcourt
>& Delcourt 1987--is there something more recent for N. Amer.?
>
>Secondly, I remember perusing a volume that presented similar maps for NW
>Europe. It's in our library, but I can't come with it from the university's
>computer system. Does it ring a bell with you?
>
>All the best. Yours. Al.
>Alfred Traverse
>Palynological Laboratories
>Department of Geosciences
>435 Deike Building, PSU
>University Park, PA 16802
>Ph.: 814-863-3419
>Fax: 814-863-7823
>

Owen K. Davis, Professor 520 621-7953
Department of Geosciences FAX 621-2672
University of Arizona palynolo@geo.arizona.edu

Hunt Institute for Botanical Documentation

Owen Davis

To: palynolo@geo.arizona.edu
From: traverse@ems.psu.edu (Alfred Traverse)
Subject: chenos, mostly
Cc:
Bcc:
X-Attachments:

Dear Owen:

I know, I know....but for whatever reason I apparently find it easy to mess up palynolo--I never misspell palynology, but that combo apparently hits my gray matter wrong somehow.

Re cheno pollen, I am still meditating. With the light micrscope there are no projections in optical section mid-focus, and there are what seem to be indentations in LO analysis. However, I grabbed Wang's Pollen Flora of China because it was near at hand, and the SEM of Chenopodium shows the granules of which you speak and the exine surface otherwise appears more or less smooth. I am puzzled because with the light scope that one uses for all routine work, both Chenopodium and Salicornia (which I long ago used for my studies of sporopollenin chemistry) appear to be micropitted. I am still scratching my head. Wang's light pictures, incidentally, agree with what I see with the light scope. I am beginning to wonder if one is not looking at features just below the surface, not the surface, with the light scope. Hmm.

My wife and I will be gone about a month starting in two days--we're going to Italy.

Best. Al.

Hunt Institute for Botanical Documentation

Date: Tue, 18 Mar 1997 12:34:19 -0700 (MST)
X-Sender: palynolo@geo.arizona.edu
To: traverse@ems.psu.edu
From: Owen Davis <palynolo@geo.arizona.edu>

Al,

Thanks for your comments on
"cheno-am." Paul Martin published
SEMs of various Chenopodiaceae.
They have short "pegs" - scabrae (?) -
sparsely scattered over a smooth
wall between the pores.

WEIRD !! about the e-mail. I might
not have believe it, if something
similar hadn't happend last week.
A little tiny mistake that HAD TO
be done in the ether. Anyway, Al,
its "p a l y n o l o" as in
PALYNOLO_GY.

Owen.

Owen K. Davis, Professor 520 621-7953
Department of Geosciences FAX 621-2672
University of Arizona palynolo@geo.arizona.edu
Tucson, Arizona 85721 http://geo.arizona.edu/palynology

Hunt Institute for Botanical Documentation

Owen Davis

To: palynolo@geo.arizona.edu
From: traverse@ems.psu.edu (Alfred Traverse)
Subject: list
Cc:
Bcc:
X-Attachments:

Dear Owen:

I shouldn't be on the list, because I no longer have anything to do with instruction in palynology at any level at PSU. I am still active in research and am at the moment having a new wing put on our home in the country to provide office and lab space when (not before I Jan. 99) I am deprived of my space here, as will inevitably happen.

All the best.

Al.

Hunt Institute for Botanical Documentation

Owen Davis

To: palnyolo@geo.arizona.edu
From: traverse@ems.psu.edu (Alfred Traverse)
Subject: names
Cc:
Bcc:
X-Attachments:

Dear Owen:

Your message to which I was responding contains the word "pollen" nowhere, so how was I supposed to know that you were changing the subject?

I work a lot in the Pleistocene too (I am violently opposed to continuing the usage "Quaternary"--in the words of Bill Berggren, "Quaternary" and "Tertiary" should join "Primary" and "Secondary" on the junk heap of geology"--we are still in the Pleistocene--"Holocene" is an anthropomorphism), though mostly as a consultant and seldom published. Most papers I read recognize that Chenopodiaceae/Amaranthaceae is an informal lumping and actually use the expression "cheno-am." Since it's an informal term, I see no advantage in being elegant about it, but on the other hand, if you find it useful and explain what you're doing, why not?

Further, the forms I so count (Atriplex, Salicornia, etc.) do not seem to me to be scabrate--I have them as micropitted. Hmm. What do SEMs show?

Best. Al.

Hunt Institute for Botanical Documentation

Owen Davis

To: palynolo@geo.arizona.edu
From: traverse@ems.psu.edu (Alfred Traverse)
Subject: dual names
Cc:
Bcc:
X-Attachments:

Dear Owen:

You should look at the Code article about the alternative names business. There are only nine families for which this is allowed. They were pre-Linnean families.

You confused me a little bit by the rest of your message. The type genus of the Chenopodiaceae is Chenopodium ("pigweed"), which is the source of the family name, as is true of all family names, except the alternate names for the list of nine. Thus, Areca is the type genus for palms, and if you don't use Palmae for the family, the name is, of course, Arecaceae. There are about a dozen other genera (1400 species), at least in the Chenopodiaceae. So I don't understand what you meant. Amaranthaceae have also about a dozen genera (850 species). The type genus of the family, of course, is Amaranthus.

Best regards. Al

Hunt Institute for Botanical Documentation

Date: Tue, 4 Mar 1997 13:26:40 -0700 (MST)
X-Sender: palynolo@geo.arizona.edu
To: traverse@ems.psu.edu (Alfred Traverse)
From: Owen Davis <palynolo@geo.arizona.edu>
Subject: the pollen type Chenopodiaceae-Amaranthaceae

Al,

Quaternary palynologists typically recognize
the pollen type "Chenopodiaceae-Amaranthaceae"
in their publications.

The issue is not synonymy or systematics,
but accuracy of the name of a pollen type.

I maintain that this pollen type (scabrate,
periporate) should be called
Chenopodiaceae-Amarantus
because only one major Genus in the
Amaranthaceae has the appropriate morphology.

My colleague, Eric Grimm, points out that
the entire family Chenopodiaceae does not
have this morphology. (_Sarcobatus_ is the
exception). So, he prefers the term
Chenopodiaceae-Amaranthaceae.

Owen.

At 03:16 PM 3/4/97 -0500, you wrote:
>Dear Owen:
>
>You should look at the Code article about the alternative names business.
>There are only nine families for which this is allowed. They were
>pre-Linnean families.
>
>You confused me a little bit by the rest of your message. The type genus of
>the Chenopodiaceae is Chenopodium ("pigweed"), which is the source of the
>family name, as is true of all family names, except the alternate names for
>the list of nine. Thus, Areca is the type genus for palms, and if you don't
>use Palmae for the family, the name is, of course, Arecaceae. There are
>about a dozen other genera (1400 species), at least in the Chenopodiaceae.
>So I don't understand what you meant. Amaranthaceae have also about a dozen
>genera (850 species). The type genus of the family, of course, is Amaranthus.
>
>Best regards. Al

Hunt Institute for Botanical Documentation

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

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Department of Geosciences FAX 621-2672
University of Arizona palynolo@geo.arizona.edu
Tucson, Arizona 85721 http://geo.arizona.edu/palynology

Hunt Institute for Botanical Documentation

Date: Mon, 3 Mar 1997 08:22:43 -0700 (MST)
X-Sender: palynolo@geo.arizona.edu
To: traverse@ems.psu.edu
From: Owen Davis <palynolo@geo.arizona.edu>
Subject: Arecaceae and Ericaceae

Al,

Thanks, That's a confusing pair I hadn't thought of. Another comment generated by this discussion concerned the "Chenopodiaceae - Amaranthaceae" type. The Chenopodiaceae family only has one routinely-separated genus (_Sarcobatus_) and the Amaranthaceae has only two or three genera with the form, _Amaranthaceae_, _Acnida_, ...
So, I prefer "Chenopodiaceae - Amaranthus"
But, nobody seems to know where "Chenopodinii (sp?)" comes from.

Owen.

Owen K. Davis, Professor 520 621-7953
Department of Geosciences FAX 621-2672
University of Arizona palynolo@geo.arizona.edu
Tucson, Arizona 85721 http://geo.arizona.edu/palynology

Hunt Institute for Botanical Documentation

Date: Sun, 4 Aug 1996 09:58:30 -0700
X-Sender: palynolo@geo.arizona.edu
To: traverse@ems.psu.edu (Alfred Traverse)
From: Owen Davis <palynolo@geo.arizona.edu>
Subject: Re: archives

Al,

Thanks to YOU, sir.

Owen.

At 11:35 AM 8/4/96 -0400, you wrote:
>Dear Jim (&Owen):
>
>To date I have received the following items for the IFPS archives:
>
>1. A salmon-colored European style folder labelled "1988-1992 H. Visscher
>Presidential Archive; To J. Canright." It's also marked, "Forwarded to A.
>Traverse I7-VII-96."
>
>2. A corrugated cardboard box, 9.5x10.5x11.5 inches, containing
>miscellaneous, nicely labelled correspondence between JEC and various
>IFPS-related individuals and societies. Like item 1., this one came from
>Tempe, of course.
>
>3. A corrugated cardboard box, 12x18x9 (high) inches, containing copies of
>Palynos and other journals, yearbooks, correspondence, etc. (Many thanks
>for not throwing out any of it, Owen!) This box came from Owen in Tucson.
>
>All of these arrived in apple pie order. I will now make an appointment
>with Ms. Karg at Hunt to deliver the stuff (and view their marvellous
>botanical exhibit of the season), IF you will let me know that this is IT
>for the current interregnum.
>
>All the best. Al.
>Alfred Traverse
>Palynological Laboratories
>Department of Geosciences
>435 Deike Building, PSU
>University Park, PA 16802
>Ph.: 814-863-3419
>Fax: 814-863-7823
>

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Department of Geosciences FAX 621-2672

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University of Arizona palynolo@geo.arizona.edu
Tucson, Arizona 85721 http://geo.arizona.edu/palynology

Hunt Institute for Botanical Documentation

To: palynolo@geo.arizona.edu
From: traverse@ems.psu.edu (Alfred Traverse)
Subject: Punt (and pass?)
Cc: jecbot@imap1.asu.edu Owen Davis
Bcc:
X-Attachments:

Dear Owen:

If it's not too late, and if you can possibly swing it, please send all of the Punt materials and let dear Anita Karg at the Hunt Library, who is a trained archivist, decide what to throw out (if anything). I already know from many visits with her that her judgment is different from mine and probably would be from yours too.

Well, I actually feel a little relieved that Jackson is no longer in Flagstaff. My wife and I were there for a day in January, and I thought it was odd not to look him up, as I had had so much connection with him when the book was being produced. Can you provide an address for him in WY?

Once again, I would offer the counsel that e-mail to China takes mostly great patience. All of my messages seem eventually to have gone through. However (nobody asked me!), Japan would have been a far better idea for the Congress--they once prepared a very serious but unsuccessful bid in the past. If the communication problem can be solved (have you tried fax?), China will be most interesting, doubtless the only way I'll ever get there.

Regards. Al.

Hunt Institute for Botanical Documentation

Date: Tue, 23 Jul 1996 14:45:52 -0700
X-Sender: palynolo@geo.arizona.edu
To: traverse@ems.psu.edu (Alfred Traverse)
From: Owen Davis <palynolo@geo.arizona.edu>
Subject: Steve Jackson

Al,

It's

Dr. Stephen T. Jackson
Department of Botany
Aven Nelson Building
University of Wyoming
Laramie, WY 82071
jackson@uwyo.edu

Re: China.

They were the only bid submitted on time.

Owen.

At 04:54 PM 7/23/96 -0400, you wrote:
>Dear Owen:
>
>If it's not too late, and if you can possibly swing it, please send all of
>the Punt materials and let dear Anita Karg at the Hunt Library, who is a
>trained archivist, decide what to throw out (if anything). I already know
>from many visits with her that her judgment is different from mine and
>probably would be from yours too.
>
>Well, I actually feel a little relieved that Jackson is no longer in
>Flagstaff. My wife and I were there for a day in January, and I thought it
>was odd not to look him up, as I had had so much connection with him when
>the book was being produced. Can you provide an address for him in WY?
>
>Once again, I would offer the counsel that e-mail to China takes mostly
>great patience. All of my messages seem eventually to have gone through.
>However (nobody asked me!), Japan would have been a far better idea for the
>Congress--they once prepared a very serious but unsuccessful bid in the
>past. If the communication problem can be solved (have you tried fax?),
>China will be most interesting, doubtless the only way I'll ever get there.
>
>Regards. Al.
>Alfred Traverse

Hunt Institute for Botanical Documentation

To: palynolo@geo.arizona.edu
From: traverse@ems.psu.edu (Alfred Traverse)
Subject: archives etc.
Cc: jecbot@imap1.asu.edu
Bcc:
X-Attachments:

Dear Owen:

Just received the Visscher papers from Jim. I haven't checked but assume from the thinness of the package (the Traverse/Norris archival material filled a whole file drawer) that the Punt files are not included and will come from you?

I may even have quoted Anderson in a paper, but I really don't know him. There's a better known (to me) palynologist right there in Flagstaff--Steve Jackson. (Did a chapter in Sed. of Organic Particles.)

Re e-mail to China. I have been sending there for quite a while. The technique seems to be just keep sending the messages, and they eventually go through. Our university's system does that automatically.
I have been in touch most recently with one of them about book exchange. It occurs to me that if you send him a message he might be able to help with the general problem: Qinhua Jiang. e-mail address:
qjiang@geoms.geo.pku.edu.cn

Best. Al.

Hunt Institute for Botanical Documentation

Date: Mon, 22 Jul 1996 09:22:33 -0700
X-Sender: palynolo@geo.arizona.edu
To: traverse@ems.psu.edu (Alfred Traverse)
From: Owen Davis <palynolo@geo.arizona.edu>
Subject: Re: archives etc.

Al,

No, the Punt materials were not included. I had a box at home that's about the right size, but forgot to bring it to the office. About half of what Wm sent me was advertisements from Conference Organizing Committe$. I'll throw that in the trash.

Actually, Al, there are 2 palynologists in Flagstaff, Anderson and Hevly. Jackson is in Laramie, Wyoming.

Thanks for the e-mail address. I'll try it. I repeat that I INSIST on having reliable e-mail communication with the organizing committee for IPC-10.

Owen.

At 11:53 AM 7/22/96 -0400, you wrote:
>Dear Owen:
>
>Just received the Visscher papers from Jim. I haven't checked but assume
>from the thinness of the package (the Traverse/Norris archival material
>filled a whole file drawer) that the Punt files are not included and will
>come from you?
>
>I may even have quoted Anderson in a paper, but I really don't know him.
>There's a better known (to me) palynologist right there in Flagstaff--Steve
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>
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>technique seems to be just keep sending the messages, and they eventually go
>through. Our university's system does that automatically.
>I have been in touch most recently with one of them about book exchange. It
>occurs to me that if you send him a message he might be able to help with
>the general problem: Qinhua Jiang. e-mail address:
>qjiang@geoms.geo.pku.edu.cn
>
>Best. Al.
>Alfred Traverse

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Hunt Institute for Botanical Documentation

Date: Wed, 17 Jul 1996 13:36:28 -0700
X-Sender: palynolo@geo.arizona.edu
To: traverse@ems.psu.edu (Alfred Traverse)
From: Owen Davis <palynolo@geo.arizona.edu>
Subject: Re: archives

Al,

Thanks for the clarification on the S.-T. papers.

Dr. R. Scott Anderson (Secretary-Treasurer, IFPS)
Center for Environmental Sciences and Education
Box 5694
Northern Arizona University
Flagstaff, AZ 86011-5694
w 520 523-5821
FAX 523-7423
h 520 774-9062
sa@nauvax.ucc.nau.edu

First, he's a workaholic, a criterion that Jim Canright stipulated. Second he's head of NAU's Env. Sci. program. Third, you included one of his diagrams in your text!!

Nanjing in 2000! Early Autumn I hope, and they have pledged to "keep the prices down." Now, if I can just get the damned e-mail to work! They can e-mail out, but my messages are bounced back. I *THINK* they have to pay a buck or so to receive a message . . . But, if I can't establish routine and frequent communication with an organizing committee . . .

Owen.

At 12:48 PM 7/17/96 -0400, you wrote:
>Dear Owen:
>
>Yes, by all means, the Sec.-Treas. papers are part of the deal. I know
>better than to suggest you drive them over to Jim's office, so that the
>whole thing could be shipped as a unit. However, if you were going to
Tempe....
>
>I don't have a card for Scott Anderson. Who is he?
>

Hunt Institute for Botanical Documentation

>Now, Nanjing is a meeting I won't miss, my health holding up, that is.
>Houston in late June, however, was not much of a temptation. My wife
>inquires: is it to be in 2000, as we suspect?
>
>All the best. Al.
>
>Alfred Traverse
>Palynological Laboratories
>Department of Geosciences
>435 Deike Building, PSU
>University Park, PA 16802
>Ph.: 814-863-3419
>Fax: 814-863-7823
>

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University of Arizona palynolo@geo.arizona.edu
Tucson, Arizona 85721 http://geo.arizona.edu/palynology

Hunt Institute for Botanical Documentation

To: palynolo@geo.arizona.edu
From: traverse@ems.psu.edu (Alfred Traverse)
Subject: archives
Cc: jecbot@imapl.asu.edu
Bcc:
X-Attachments:

Dear Owen: Davis

Yes, by all means, the Sec.-Treas. papers are part of the deal. I know better than to suggest you drive them over to Jim's office, so that the whole thing could be shipped as a unit. However, if you were going to Tempe....

I don't have a card for Scott Anderson. Who is he?

Now, Nanjing is a meeting I won't miss, my health holding up, that is. Houston in late June, however, was not much of a temptation. My wife inquires: is it to be in 2000, as we suspect?

All the best. Al.

Hunt Institute for Botanical Documentation

To: palynolo@geo.arizona.edu
From: traverse@ems.psu.edu (Alfred Traverse)
Subject: IFPS archives
Cc: jecbot@imap1.asu.edu

Dear Owen:

Thanks for your message. I don't recall whether we ever got it into the constitution (it would be a good idea if we didn't), but in any case the council decision to have an archivist said words to the effect: The archivist shall serve at the pleasure of the President. Therefore, I have always sought (not very earnestly!) and have always been granted such appointment. I appreciate your putting me in there for another term.

As you know from the previous message and/or from talking with Jim, the next thing that should happen is for him to send me the files of his predecessors, and for you to get hold of his files--perhaps you already have them. They should eventually be combined with yours from that term and shipped to me (or my successor) when you hand over the reigns to the next president. Because you are now president and were Sec.-Treas. it would be nice if you could invent some way to keep the files from the Canright/Davis reign separate from the Davis/------ files of the present reign.

The state of Arizona has a really tight hold on IFPS. I can't wait to hear where the next Congress will be. I suppose it must be about Asia's turn.

Best regards. Al.

Hunt Institute for Botanical Documentation

Date: Tue, 16 Jul 1996 13:18:42 -0700
X-Sender: palynolo@geo.arizona.edu
To: traverse@ems.psu.edu (Alfred Traverse)
From: Owen Davis <palynolo@geo.arizona.edu>
Subject: ASIA IPC

Al,

That's right, the council
selected Nanjing, China,
for the 10th IPC.

I have some of Punt's papers, I'll send
my working papers to Scott Anderson.

Should I send Punt's stuff to you?
That is, do you want the Secretary-
Treasurer papers?

Owen.

At 03:56 PM 7/16/96 -0400, you wrote:
>Dear Owen:
>
>Thanks for your message. I don't recall whether we ever got it into the
>constitution (it would be a good idea if we didn't), but in any case the
>council decision to have an archivist said words to the effect: The
>archivist shall serve at the pleasure of the President. Therefore, I have
>always sought (not very earnestly!) and have always been granted such
>appointment. I appreciate your putting me in there for another term.
>
>As you know from the previous message and/or from talking with Jim, the next
>thing that should happen is for him to send me the files of his
>predecessors, and for you to get hold of his files--perhaps you already have
>them. They should eventually be combined with yours from that term and
>shipped to me (or my successor) when you hand over the reigns to the next
>president. Because you are now president and were Sec.-Treas. it would be
>nice if you could invent some way to keep the files from the Canright/Davis
>reign separate from the Davis/------ files of the present reign.
>
>The state of Arizona has a really tight hold on IFPS. I can't wait to hear
>where the next Congress will be. I suppose it must be about Asia's turn.
>
>Best regards. Al.
>Alfred Traverse
>Palynological Laboratories

Hunt Institute for Botanical Documentation

>Department of Geosciences
>435 Deike Building, PSU
>University Park, PA 16802
>Ph.: 814-863-3419
>Fax: 814-863-7823
>

Owen K. Davis, Professor 520 621-7953
Department of Geosciences FAX 621-2672
University of Arizona palynolo@geo.arizona.edu
Tucson, Arizona 85721 http://geo.arizona.edu/palynology

Hunt Institute for Botanical Documentation

Date: Mon, 15 Jul 1996 12:10:24 -0700
X-Sender: palynolo@geo.arizona.edu (Unverified)
To: traverse@ems.psu.edu (Alfred Traverse)
From: Owen Davis <palynolo@geo.arizona.edu>
Subject: Re: IFPS archives, etc.
Cc: jecbot@imap1.asu.edu

Dear Al,

Thanks very much for copying the note
to Jim Canright. Somehow, I though
of you as being as permanent as the
archives themselves.

So, Please, if you're willing, I'd
very much appreciate your serving
IFPS as its archivist.

Owen.

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Received: from eqsun.geo.Arizona.EDU (eqsun.geo.Arizona.EDU [128.196.236.30]) by
Received: from palynolog.geo.Arizona.EDU (palynolog.geo.Arizona.EDU [128.196.236
Date: Thu, 22 Feb 1996 09:49:35 -0700
Message-Id: <199602221649.JAA07882@eqsun.geo.Arizona.EDU>
X-Sender: palynolo@geo.arizona.edu
X-Mailer: Windows Eudora Light Version 1.5.2
Mime-Version: 1.0
To: traverse@ems.psu.edu
From: Owen Davis <palynolo@geo.arizona.edu>
Subject: Re: copy of letter
Content-Type: text/plain; charset="us-ascii"

Thanks Al,

I thought you would be interested, or might KNOW.
Since you have the "best selling" textbook on
palynology. Let's face it "Desert Palynology"
is not much of a textbook at $200.
?? Who buys the thing, and why ??
Are there really 100 students using your text each
year? Where are they?
Rumors are you're revising it. Do you have the
publisher's support. Are sales that good?

Owen.

At 11:30 AM 2/22/96 -0500, you wrote:
>Dear Owen:
>
>Just got copy of correspondence between you, Reed W. and Ray C. Why did you
>send me this?
>
>We waved last month as we drove through outskirts of T. enroute to U. C.
>Berkeley with a couple of tons of plant fossils. God, the place has
>exploded since I last drove past.
>
>Cheers. Al T.
>Alfred Traverse
>Palynological Labs.
>Deike 435, PSU
>University Park, PA 16802
>Ph.814-863-3419; Fax 814-863-7823
>
>

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Received: from eqsun.geo.Arizona.EDU (eqsun.geo.Arizona.EDU [128.196.236.30]) by
Received: from [128.196.236.106] (palynolog.geo.Arizona.EDU [128.196.236.106]) b
X-NUPop-Charset: English
Date: Mon, 25 Sep 1995 06:47:27 -0600 (CST)
From: "Owen K. Davis" <palynolo@geo.arizona.edu>
Sender: palynolo@geo.arizona.edu
Reply-To: palynolo@geo.arizona.edu
Message-Id: <24449.palynolo@geo.arizona.edu>
To: traverse@ems.psu.edu
Subject: Fw: Traverse book
Content-Type: text

From: julieg@aapg.geol.lsu.edu (Julie Garrett)
Fri, 22 Sep 1995 19:47:19 -0400
To: Multiple recipients of list <polpal-l@ccshst06.cs.uoguelph.ca>
Subject: Traverse book

I am looking for a copy of Traverse, 1988, "Paleopalynology" book. Anyone willing to part with one? Send me a message off list. Thanks.

Julie Garrett
Center for Excellence in Palynology
Department of Geology and Geophysics
Louisiana State University
Baton Rouge, LA 70803

julieg@aapg.geol.lsu.edu

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E-Mail: traverse@ems.psu.edu

18 June, 1995

Dr. Owen K. Davis
Department of Geosciences
University of Arizona
Tucson, AZ 85721

Dear Owen:

Thanks for the photo for the IFPS official archives at the Hunt Library, Carnegie-Mellon Univ. in Pittsburgh (not Philly). If you ever get a chance, plan to visit there--fascinating. It's right next door to the Carnegie Museum, the Phipps Conservatory, and the Univ. of Pittsburgh, which are also interesting places in about that order.

All the best.

Yours very truly,

Alfred Traverse

Hunt Institute for Botanical Documentation

Received: from eqsun.geo.Arizona.EDU by pangaea.ems.psu.edu
(4.1/PSU_ESSC/GEOSC-2.02) id AA22937; Tue, 30 May 95 17:43:35 EDT
Received: from [128.196.236.106] (palynolog.geo.Arizona.EDU) by eqsun.geo.Arizon
id AA02017; Tue, 30 May 95 14:43:32 MST
X-Nupop-Charset: English
Date: Tue, 30 May 1995 15:41:59 -0600 (CST)
From: "Owen K. Davis" <palynolo@geo.arizona.edu>
Sender: palynolo@geo.arizona.edu
Reply-To: palynolo@geo.arizona.edu
Message-Id: <56520.palynolo@geo.arizona.edu>
To: traverse@ems.psu.edu
Subject:

Dear Al Traverse,
<traverse@ems.psu.edu>

Thanks very much for the note and the Elsevier abstract. I had read the paper by Grenfell. I and two other folks who have recovered this spore in contemporary sediment (all sub-tropical!) agree that this most probably is NOT a Zygnemataceae spore:

Leroy, S., 1992. Palynological evidence of Azolla nilotica Dec in recent Holocene of the eastern Nile Delta and palaeoenvironment. Veget Hist Archaeobot 1:43-52.

Ward, J. 1988. Palynology of Dosrae, eastern Caroline Islands: recoveries from pollen rain and Holocene deposits. Rev. Palaeobot. Palynol. 55:247-271.

I find this a very interesting problem, but I'm finding it very hard to spend any time on it. I'm willing to accept EITHER that several different spores have very similar appearances, or that that one or related form(s) have been around for a very long time. But, as for now, I've only really seen a few illustrations of it.

Owen

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E-Mail: traverse@ems.psu.edu

22 May, 1995

Dr. Owen K. Davis
Department of Geosciences
University of Arizona
Tucson, AZ 85721

Dear Owen:

I picked up from your e-mail response to my info about Pseudoschizaea (or whatever) that you may not have liked my response to your original request. Be that as it may, I thought you'd be interested in the enclosed clipping, if you hadn't already seen it. Snail mail has it's advantages. For example, I have a very keen olfactory sense. Try to pick up Chanel No. 5 from an e-mail note.

Best wishes.

Yours very truly,

Alfred Traverse

encl.:clipping

Hunt Institute for Botanical Documentation

Date: Tue, 11 Apr 1995 17:10:52 -0500 (EST)
From: "Alfred Traverse" <traverse@ems.psu.edu>
To: palynolo@geo.arizona.edu
Cc:
BCc:
Subject: Pseudoschizaea
X-NUPop-Charset: IBM 8-Bit

to Owen Davis

Dear Owen:

The above name is the correct one for what you are talking about. It is also called Concentricystes, but that is probably a junior synonym. I have found it in just the sort of environment you mention--see Fig. 6.8B, p. 81 of my new book, "Sedimentation of Organic Particles," Cambridge Univ. Press. There is also a brief discussion of it by Fred Rich in that book, p. 302. I took the pictures Fred presents on p. 304, and he discusses its distribution in GA-FL areas he studied, as well as the nomenclatural situation. There are other fingerprinty things in the literature, such as Chomotriletes, which is almost certainly a totally unrelated Devonian spore (see Jansonius & Hills card no. 460). Sporites is a completely different matter, with a long nomenclatural history. You should NOT call Pseudoschizaea/Concentricystes "Sporites." Please do read the things in the new book. Best. Al Traverse.

Hunt Institute for Botanical Documentation

Received: from eqsun.geo.Arizona.EDU by pangaea.ems.psu.edu
(4.1/PSU_ESSC/GEOSC-2.02) id AA04578; Mon, 10 Apr 95 15:18:20 EDT
Received: from [128.196.236.106] (palynolog.geo.Arizona.EDU) by eqsun.geo.Arizon
id AA05891; Mon, 10 Apr 95 12:18:16 MST
X-Nupop-Charset: English
Date: Mon, 10 Apr 1995 12:04:52 -0600 (CST)
From: "Owen K. Davis" <palynolo@geo.arizona.edu>
Sender: palynolo@geo.arizona.edu
Reply-To: palynolo@geo.arizona.edu
Message-Id: <43494.palynolo@geo.arizona.edu>
To: traverse@ems.psu.edu
Subject:

Dear Al,

Can you please help me out of an embarrassing predicament?
At AASP (American Association of Stratigraphic Palynologists
talks (pre-Quaternary) I've seen illustrated, several times, a
form of spore called "Sporites." It's a flattened sphere with
spiral striae in a "finger print" pattern coming to a elliptical
center on opposite, flattened sides.

It's different from how you use the word "Sporites" in your text.
It COULD be one shape & sculpture for more than one thing.

It's illustrated as "?Green algae, gen. et. sp. undet., SH4-6"
p. 192, PLATE 1, #12, 13 Liu et al., 1992., PALYNOLOGY vol. 16.

and as "_Chomotriletes fragilis_" p. 175, PLATE 9, #15,
PALYNOLOGY vol. 16.

I've recorded it from California and Arizona freshwater marshes,
under the form-spore name "Sporites." Can you give me
a citation. I know I've seen it several times in publications,
but I just can't seem to find one.

Owen

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palynolo@ccit.arizona.edu

Hunt Institute for Botanical Documentation

Received: by pangaea.ems.psu.edu
(4.1/PSU_ESSC/GEOSC-2.02) id AA19981; Sun, 29 Jan 95 11:31:20 EST
X-Nupop-Charset: English
Date: Sun, 29 Jan 1995 11:34:01 -0500 (EST)
From: "Alfred Traverse" <traverse@ems.psu.edu>
Sender: traverse@ems.psu.edu
Reply-To: traverse@ems.psu.edu
Message-Id: <41644.traverse@ems.psu.edu>
To: palynolo@geo.arizona.edu
Subject: needed ref.

Hi OKD! Sorry this has taken so long--my teaching load in Spring has to be experienced to be believed. The pubs. you're looking for are referenced in my Paleopalynology, p. 550. They're Muller, J., 1970 & 1981 in Botanical Review. Actually, the 1981 citation is probably the one your friend wants. Best. Al Traverse.

Hunt Institute for Botanical Documentation

Received: from SkyBlu.CCIT.Arizona.EDU by pangaea.ems.psu.edu
(4.1/PSU_ESSC/GEOSC-2.02) id AA12908; Tue, 24 Jan 95 13:49:29 EST
Received: from [128.196.236.106] (palynolog.geo.Arizona.EDU)
by CCIT.ARIZONA.EDU (PMDF V4.3-11 #2381)
id <01HM826J53GG8WWSA1@CCIT.ARIZONA.EDU>; Tue, 24 Jan 1995 11:47:33 -0700 (MST)
Date: Tue, 24 Jan 1995 11:41:22 -0600 (CST)
From: "Owen K. Davis" <palynolo@geo.arizona.edu>
Subject:
Sender: palynolo@ccit.arizona.edu
To: traverse@ems.psu.edu
Reply-To: palynolo@geo.arizona.edu
Message-Id: <42096.palynolo@geo.arizona.edu>
X-Envelope-To: traverse@ems.psu.edu
Content-Transfer-Encoding: 7BIT
X-Nupop-Charset: English
Status: U

Dear Al

I've received a request from one of my colleagues that I'm embarassed to say I cannot answer. He would like to know the history of leguminous pollen in the stratigraphic record, and specifically mentions a reference I don't know.

Can you help?

-- included message --

Owen,'
Thanks for the reply re seminar and evening get together. On another matter (while I have you on line), some time ago I was talking to you about pollen records for this group of plants I am doing systematic work on (remember?). I think you mentioned that someone in Kansas or Nebraska might have that kind of info, do you remember the name? Also, do you recall an article in Botanical Review or Botanical Gazette that compiled a list of earliest pollen data for families of plants? What I want to do is find specific dates for a number of genera of herbaceous legumes that our molecular data indicates form a monophyletic group. Using statistical methods we are testing the hypothesis that the rate or changes in the rate of diversification in this group is unusually high. What we need are some dates for some of these taxa so that we can try to make correlations with the molecular dat (i.e., estimate a molecular clock absolutely or relatively). Anyhow, perhaps we could talk about this soon, if not if you have any ideas please pass them along. Thanks.
Marty

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Hunt Institute for Botanical Documentation

Received: from Milori.CCIT.Arizona.EDU by pangaea.ems.psu.edu
(4.1/PSU_ESSC/GEOSC-2.02) id AA13466; Tue, 20 Dec 94 22:07:49 EST
Received: from [128.196.236.106] (palynolog.geo.Arizona.EDU)
by CCIT.ARIZONA.EDU (PMDF V4.3-11 #2381)
id <01HKUWYQNODC8X092O@CCIT.ARIZONA.EDU>; Tue, 20 Dec 1994 07:29:40 -0700 (MST)
Date: Tue, 20 Dec 1994 07:27:08 -0600 (CST)
From: "Owen K. Davis" <palynolo@geo.arizona.edu>
Subject: RE: AMQUA abstract
Sender: palynolo@ccit.arizona.edu
To: traverse@ems.psu.edu
Reply-To: palynolo@geo.arizona.edu
Message-Id: <26832.palynolo@geo.arizona.edu>
X-Envelope-To: traverse@ems.psu.edu
Content-Transfer-Encoding: 7BIT
X-Nupop-Charset: English

Dear Al,

Good to hear from you! Three papers are due out this year (1995). One in the Pliocene volume being edited by John Wrenn <glwrenn@lsuvm.sncc.lsu.edu> as an AASP Foundation publication. The second is a NATO ASI publication, published by D. Reidel A.K.A. Academic, lead Editor is Angelakis. Third (with the most data and least interpretation) will be in "Interagency Ecological Studies Program for the Sacramento-San Joaquin Estuary, Technical Report." The BIG REPORT awaits completion of volcanic ash identification and other dating. So far, Milankovitch cyclicity is visible in the close-interval (3 Ka) samples, but those wells with close-interval samples do not have good ash sequences and vice versa. I plan to submit something to Science or Nature this year, or as soon as I'm confident of the time control.

Owen

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2 September, 1993

Dr. Owen K. Davis
Department of Geosciences
University of Arizona
Tucson, AZ 85721

Dear Owen:

Thanks so much for the copy of "Preserving Natural Science Collections." The subject is much on my mind, as what will happen to the vast AT personal collection of pollen, spores, etc., plus attendant literature, is up in the air. If the deal in Baton Rouge <u>really</u> becomes something, I guess that's the place, but that is not sure, as far as I know. Dave Jarzen has given up on the Canadian Museum keeping palynology permanently, etc.

Meanwhile, I have 19 in palynology this semester (capacity of the lab + three!), and <u>Paleopalynology</u> is about to go out-of-print.

Best regards.

Yours very truly,

Alfred Traverse

AT/et

Hunt Institute for Botanical Documentation

NIC

National Institute for the Conservation of Cultural Property

3299 K Street, NW

Suite 403

Washington, DC

20007

Tel: 202/625-1495

Fax: 202/625-1485

23 July 1993

Dr. W. Punt
International Federation of Palynological Societies
Laboratory of Palaeobotany & Palynology
University of Utrecht
Heidelberglaan 2
Utrecht NL-3584 CS
The Netherlands

Dear Dr. Punt,

Enclosed is a complimentary copy of the NIC Conservation and Preservation of Natural Science Collections Project report.

Over the course of the project, various draft reports have been sent to more than 250 reviewers. The overall response rate has been 52%. The 20 summary reports from project meetings (disciplinary society discussion groups, working groups and materials science panels) and the enclosed project report have been submitted to our project sponsor, the U.S. National Science Foundation. In addition, we are distributing the publication to project contributors and to natural science and conservation organizations and institutions here and abroad.

The project would not have been realized had it not been for the active participation from the field, the dedication of project coordinator Catharine Hawks and project assistant Katherine Bussey, and the guidance of former program director Mary Estelle Kennelly. Also essential were the enthusiasm and support of our project collaborators, the Association for Systematics Collections and the Society for the Preservation of Natural History Collections.

Sincerely yours,

Ross Merrill, RM

Ross Merrill
Vice Chairman

Enclosure:
Preserving Natural Science Collections: Chronicle of Our Environmental Heritage.

AE
I thought you might be interested in this. (Forwarded to me as IFPS Sec.-Treasurer)
Owen Davis

It is no small thing to outwit time.

Hunt Institute for Botanical Documentation

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29 May, 1991

Dr. Owen K. Davis
Department of Geosciences
University of Arizona
Tucson, AZ 85721

Dear Colleague:

Per our phone conversation of the other day, I enclose two formatted 5.25" diskettes, in order to obtain the Elsik fungal spore biblio info.

I also enclose $3 for postage, per your instructions.

Your help is greatly appreciated!

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et
encl: 2 formatted diskettes; $3 for postage

Hunt Institute for Botanical Documentation