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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.

BROWN UNIVERSITY *Providence, Rhode Island • 02912*

DEPARTMENT OF GEOLOGICAL SCIENCES
401 863-3338, 3339

April 8, 1982

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

Dear Dr. Traverse:

Thank you very much for your letter of April 1, commenting on Figure 8 of the article in American Scientist. I believe the confusion may arise over the listing of "eastern United States" under the "convergent plate boundary" category. Obviously, at present, it is not a convergent plate boundary. The "eastern United States" is meant to refer to the left-hand side of the diagram, which is a "passive continental margin." I believe this may be the root of the confusion. Please let me know if this is the case. Thank you for bringing this confusing labelling to my attention.

Sincerely,

James W. Head

James W. Head, III
Professor

JWH:ss

Hunt Institute for Botanical Documentation

To: head@quartz.geology.utoronto.ca
From: traverse@ems.psu.edu (Alfred Traverse)
Subject: Dr. MSM
Cc:
Bcc:
X-Attachments:

Dear Martin:

I'm not sure I haven't corresponded with the gentleman in question. In any event, I am now officially retired. I remain very active, but I have lost 50% of my space and will soon lose most of the rest. I am building an addition on our home to be my lab/office in the future, but it is some months from completion. To make a long story short, I cannot contemplate having visiting scientists--with the exception of personal friends, who could live with us while we worked.

It's good to hear from my native land. I note that the snail mail is about to go from slow to moribund up there.

Best. Al

Hunt Institute for Botanical Documentation

Date: Thu, 27 Feb 97 15:31:42 -0500
From: "M.J. Head" <head@quartz.geology.utoronto.ca>
Reply-To: "M.J. Head" <head@quartz.geology.utoronto.ca>
To: jjansonius@gsc.nrcan.gc.ca, traverse@ems.psu.edu, fensome@agc.bio.ns.ca
Cc: palynolo@geo.arizona.edu
Subject: Re: Are paleo-palynologists becoming old-fashioned?

Rob, Jan, Al:

Any thoughts on this (in case you aren't subscribed to the POLPAL list). If so, pls reply to the list (POLPAL-L@LISTSERV.UOGUELPH.CA) or to Owen direct. Thanks.

Martin.

In message <199702271502.IAA24741@eqsun.geo.Arizona.EDU> Pollination and Palynology List writes:
> GRAMINEAE - POACEAE
> COMPOSITAE - ASTERACEAE
> LABIATAE - MENTHACEAE . . .
> A colleague in the next state and I are preparing to
> exchange reference pollen samples, and the issue arose
> of family-level plant systematics. It turns out that
> both of us use the "old" names: Gramineae, Compositae,
> .... so there's no problem. However, I realize that
> I am inconsistent -- using the "old" names for
> palynological journals, and the "new" ones for other
> publications. It appears to me that I am not alone in
> this inconsistency. So, my question to the list is,
> "Are paleo-palynologists becoming old-fashioned?"
> Should "WE" systematically (pun intended) adopt one
> protocol or the other?
>
> Owen K. Davis, Professor 520 621-7953
> Department of Geosciences FAX 621-2672
> University of Arizona palynolo@geo.arizona.edu

Martin J. Head FAX: (416) 978-3938
AASP WebMaster Phone: (416) 978-5080
Department of Geology head@quartz.geology.utoronto.ca
University of Toronto
22 Russell Street, Toronto

Hunt Institute for Botanical Documentation

Ontario, Canada, M5S 3B1

Personal: http://www3.geology.utoronto.ca/~head
American Association of Stratigraphic Palynologists:
http://opal.geology.utoronto.ca:80/AASP/

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Hunt Institute for Botanical Documentation

Received: from quartz.geology.utoronto.ca (quartz.geology.utoronto.ca [128.100.1
Received: from head.geology.utoronto.ca by quartz.geology.utoronto.ca (5.65/1.34
        id AA17563; Wed, 1 Nov 95 12:03:09 -0500
Date: Wed, 1 Nov 95 12:03:09 -0500
Message-Id: <9511011703.AA17563@quartz.geology.utoronto.ca>
From: "M.J. Head" <head@quartz.geology.utoronto.ca>
Reply-To: "M.J. Head" <head@quartz.geology.utoronto.ca>
To: traverse@ems.psu.edu
Subject: Re: address
Content-Type: text

Hi Al,

Thanks for your message. Your address is in fact already listed in the AASP WWW e-mail directory, but if you have a home page (now or in the future), its address could be added too.

I've just returned from NY City (we were visiting my Brother-in Law) and were surprised by how little media coverage the Quebec referendum had received. In case you are not aware, here a a few less well known facts:

About one-third of Yes voters believed they would still be able to use Canadian currency and passports, if Quebec separated! The PQ had done a good job of misinforming the Quebec voters!

Twelve percent of ballots were deemed "spoiled" by the counting officials, most "spoiled" votes coming from predominantly immigrant ridings (and hence enclined to vote "no"). If the cross was made too heavily or if the arms strayed outside the square, it was a "spoiled" vote! If these votes had been counted as "No," the nays would have had it by a decisive 63 percent!

Jack Parizeau publicly criticized the immigrant sectors of the electorate for Quebec's failure to win the referendum, and later refused to apologize for his racist remarks! His resgnation was announced on last night's Air Canada flight from NY -- there were many happy faces on that flight!

Best wishes,

martin.

In message <35253.traverse@ems.psu.edu> writes:
> Hi, Martin:
>
> I'm not sure that I haven't previously done this, but my assistant urges me
> to send this to you to call attention to my existence in this realm. All
> the best. My reaction to recent events: we should have cleared 'em ALL
> (not just Evangeline and friends) out in 1763. Best. Al Traverse.

Martin J. Head
Department of Geology
University of Toronto
22 Russell Street
Toronto, Ont., Canada, M5S 3B1
FAX: (416) 978-3938
Phone: (416) 978-5080
Home page: http://www.geology.utoronto.ca/faculty/head.html

Hunt Institute for Botanical Documentation

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

11 June, 1991

Dr. Martin J. Head
Sec./Treas., CAP
Department of Geology
Earth Sciences Centre
University of Toronto
Toronto, Ontario, Canada M5S 3B1

Dear Martin:

Here's $7 dues per recent Newsletter. I paid $15 last year, but I can't tell if it was for 90 + 91 or 89 + 90!

Best.

Yours very truly,

Alfred Traverse

AT/et
encl: $7 Can.

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

Martin J. Head
Geology Department
University of Toronto
Toronto, Ontario, Canada M5S 1A1

Dear Martin:

Somebody just gave me a copy of your very kind review of my textbook.

Re the "diseased tree-root"--I wanted you to know that I had nothing to do with that. The art editor at Unwin Hyman picked it out of one of the plates. The first I knew of it was when I got proofs--the chitinozoan was upside-down. I phoned UK and told them that although I didn't like their choice at all, they MUST at least put it on right-side-up. The art editor said she liked it much better esthetically the other way, and asked if it really mattered (good question!). I won that one, but had to stop there. Actually, there are many errors to correct in (I hope) a 2nd edition. I appreciate lists of such (my own students have given me a humbling pile). If you and/or Geoff have such a list, please let me have a copy of it.

All the best.

Yours very truly,

Alfred Traverse

AT/et

Hunt Institute for Botanical Documentation

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

6 March, 1990

Dr. Martin J. Head
CAP Secretary-Treasurer
Department of Geology- Earth Sciences Centre
University of Toronto
Toronto, Ontario, Canada M5S 3B1

Dear Martin:

It was embarassing to read that I am in arrears--can't understand it--I always pay bills promptly. Maybe I never get a bill? I enclose $15.00, which seems to bring me up to date.

All the best.

Yours very truly,

Alfred Traverse

AT/et
encl: check

Hunt Institute for Botanical Documentation

NATIONAL SCIENCE FOUNDATION

PROPOSAL EVALUATION FORM

NSF Form 1 (4/84)
Supersedes All Previous Editions

PROPOSAL NO.	INSTITUTION	PLEASE RETURN BY
EAR-8609945	Univ of Iowa	06/27/86

PRINCIPAL INVESTIGATOR	NSF PROGRAM
Philip H. Heckel	STRATIGRAPHY & PALEONTOLO

TITLE
Cyclic Eustatic Events and Paleogeography of Midcontinent Middle-Upper Pennsylvanian Strata

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

Heckel's proposal is well written and convincing, and the detailed study of cyclothems (and other possibly cyclic sedimentary sequences) is a frontier well worth exploring. The proposer is obviously well qualified, well equipped and has an excellent record of accomplishment. It does seem a pity that no effort is apparently made to mesh this conodont study with parallel palynological investigations, as it is obvious that the spore and acritarch floras would contribute greatly to paleoecological understanding of the strata concerned. However, that is not meant to denigrate this proposal. It is very good as it is.

Given the crunch that we all are experiencing, I believe that Heckel should only expect <u>one</u> graduate assistant for this project, and I also believe that the expensive trip to China should not be slipped in via this proposal, but that funding for that travel should be separately propeded.

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

REVIEWER'S SIGNATURE
Alfred Traverse

REVIEWER'S NAME (TYPED)

OTHER SUGGESTED REVIEWERS (OPTIONAL)

Dr. Alfred Traverse
Department of Geosciences
Pennsylvania State University

REVIEWER'S COPY

Hunt Institute for Botanical Documentation

February 8, 1966

Dear Dr. Traverse -

I want to write a special thank-you to you for all I gained from your 601-B course last semester.

You may never realize how much the concern and understanding extended toward your students is appreciated. your ability to call your students by name is a rarity in the university system.

I am now at Stephen F. Austin College working toward a teaching certificate in secondary education. I think you have had a very profound affect on my attitudes toward student-teacher relationships. So - besides the instruction in geology and despite my final exam (for which I accept full responsibility) I learned quite a lot.

Thank-you,
Sharon Hodge

Hunt Institute for Botanical Documentation

28 March, 1966

Mr. Harry Heideman
Natural Bridge Caverns
Bracken, Texas

Dear Mr. Heideman:

Mrs. Barbara Hershberger is working on a project on the palynology of bat guano under my general supervision. In connection with this work it would be very helpful to us if she could be allowed access to a part of the cave where the oldest undisturbed deposits of guano are to be found. She would collect small samples of the material for palynological processing. Through study of the residues of pollen and other microfossils that she will prepare we should be able to learn some very interesting facts about the nature of guano and the vegetational history of the cave's environs.

I would appreciate whatever help you can give Mrs. Hershberger.

Yours very truly,

Alfred Traverse

Alfred Traverse, Ph. D.

Assistant Professor

Hunt Institute for Botanical Documentation

November 8, 1972

Dr. H. Hekel
Geological Survey of Queensland
Brisbane, Queensland
Australia

Dear Dr. Hekel:

Thank you so much for the copy of "Pollen and spore assemblages from Queensland Tertiary sediments", which arrived recently. As you know, I have had a long standing interest in Tertiary palynology, and do try to keep up with the literature to some extent. Had it not been for your sending me a copy of this paper, I would probably not seen it for some time, if ever. I wonder if you would be willing to send me an improved address if the above is less than satisfactory. Your reprint came in an unmarked envelope.

I was especially interested in the systematic treatment of a number of the palynomorphs you described. For example, Circulisporites is a form which when I worked for Shell Oil Company I found abundantly in a certain small stream in southern Texas. The surface sediment of this stream was simply full of the stuff. It would seem to me to be obviously algal in fresh water.

Thanks again. Looking forward to meeting you some day, I am

Yours very truly,

Alfred Traverse
Professoroof Geology & Biology

AT/vsi

Hunt Institute for Botanical Documentation

September 24, 1957

Professor Charles Heimsch
Department of Botany
University of Texas
Austin 12, Texas

Dear Charlie:

Because of your interest and help in trying to find a suitable laboratory assistant for me, I thought you might be interested in the resolution of the problem. We finally hired a (Mrs.) Bette Boven nee Stephens. You might possibly remember her as a zoology major who worked as a laboratory assistant in the Botany Department for Dr. Lee, 1952-55.

Hoping to see you one of these months, I am

Yours,

Alfred Traverse

AT:ml

Shell Development Company
Exploration and Production Research Division

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

July 25, 1967

Miss Janet Ruth Heinel
Beaver Hill Apartments
N. 319
Jenkintown, Pennsylvania 19046

Dear Miss Heinel:

I have your letter of July 8, which arrived while I was away in the field in Texas. I certainly can understand your distress at the mistake that was made in your grade. As far as I can tell from what the Registrar says, the mistake was theirs, not mine. However, that doesn't really matter in as much as I have verified that you indeed are listed on the permanent record as having earned a "B" in the course. If I were you, I would make a further check on this matter in a couple of weeks to be sure that you are properly listed and please feel free to contact me again if there is any further difficulty.

I hope you are having a very nice summer and look forward to seeing you again one of these days.

Yours very truly,

Alfred Traverse
Associate Professor of Geology

AT:kaw

Hunt Institute for Botanical Documentation

July 8, 1967

Dear Dr. Traverse,

I am a Penn State student who had the pleasure of being in your Tuesday - Thursday afternoon Geo. Sci. 21 class this past Spring term. I was conscientious throughout the course and came to you with any problems and/or special interests.

I have one problem now. I saw you in your office on Thursday morning June 15 and we went over my final exam paper together and tallied my grade for the course. After reconsidering several answers on my test you said that instead of having a "C" in the course I actually should have a "B", and you assured me of the change in my favor.

However, upon receiving my grades today in the mail, I find that I was given a "C" in your course rather than the promised "B". Would you check into this please and have the grade changed and then let me know the results?

Thank you very much.

Sincerely,

Janet Ruth Heinel

Janet Ruth Heinel
186 - 38- 6634
Beaver Hill Apts. N319
Jenkintown, Penna. 19046

Hunt Institute for Botanical Documentation

ansd 29-VII

INDIANA UNIVERSITY
BLOOMINGTON, INDIANA

DEPARTMENT OF BOTANY
JORDAN HALL

July 24, 1964

AREA CODE 812
TEL. NO. 337-5007

Dr. Alfred Traverse
511 E. 47th Street
Austin 51
Texas

Dear Al:

Dr. Rhoades has asked me to take charge of finding a replacement for Dr. Canright so I want to acknowledge your letter of July 22 and to tell you that we shall certainly keep you in mind in connection with the opening here.

I am sorry that I can't give you more particulars about the position here but we have not yet had a staff meeting to discuss Jim's replacement. We hope to fill the position by next February, if possible, but I imagine that we won't be able to get anyone before next summer.

Sincerely,

Charley

Charles B. Heiser, Jr.
Professor of Botany

CBH:pc

Hunt Institute for Botanical Documentation

September 14, 1970

Mr. H. Hekel
Geological Survey of Queensland
2 Edward Street
Brisbane, B. 15
Australia

Dear Mr. Hekel:

I am happy to hear of your successful detective work. I have not seen the paper by Nakoman, and it just goes to show you that keeping on top of palynologic systematics is almost impossible. I have recently done some more looking at the original genus Jussiaea, and I am not at all convinced that assignment to that genus was wrong, though I appreciate the counter-arguments.

It is interesting that the new combination will be published only in the G.S.Q. publication but not in the journal article. At least, it is most important that the new taxa and the new combinations not be published as if new in both places. That has happened a number of times and really fouls up people who are trying to do systematic palynology!

Good to be in touch with you. Best wishes.

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT:kc

Hunt Institute for Botanical Documentation

Geological Survey of Queensland
2 Edward Street,
Brisbane, B. 15
Telephone: 32 0461.

3rd September 1970

Prof. Alfred Traverse,
Deike Building,
The Pennsylvania State
University,
UNIVERSITY PARK PENNSYLVANIA.
16802. U.S.A.

Dear Professor Traverse,

Thank you for your letter of July 30, in which you discussed the species Jussiaea champlainensis. In the meantime I came across a form genus Corsinipollenites Nakoman 1965 already described (Ann. Soc. Geol. du Nord. 85) with Pollenites oculus noctis as type species. Nakoman found this species in the Oligocene of Turkey. In this paper he figured specimens which seem to have viscid hairs also, but he doesn't describe them, and I am not fully convinced that his specimens are identical with Thiergart's 1940 species. Therefore I think it is better to use the combination Corsinipollenites champlainensis for the specimens with viscid hairs.

I have recently included a picture of this species in a publication being prepared by the QLD Palaeontographical ~~Society~~ Society on the Tertiary fossils of Queensland. In this case I am using the old genus name with inverted commas because the editors prefer to use no new combinations in a pulbication of this type. The new combination will be published with a suitable discussion in a G.S.Q. publication later this year.

Once again many thanks for your comments but it appears that Nakoman has already proposed a valid name.

Yours sincerely,

H. Hekel

Hunt Institute for Botanical Documentation

July 30, 1970

Dr. Heinz Hekel
Geological Survey of Queensland
Mineral House
2 Edward Street
Brisbane, B-15, Australia

Dear Dr. Hekel:

It was good to hear from you per your letter of 18 June, which apparently took longer than such things usually do to get here. I am glad to know that you are working with Dr. de Jersey, whom I would very much like to meet one of these years!

The photo you sent me of your obviously onagraceous pollen grain is indeed a remarkable look-alike of my *Jussiaea champlainensis*. I was particularly impressed by the fact that the grain apparently has the viscid hairs which I reported for J. c. As you may know, Ting (*Pollen et Spores*, 8--1966--p. 18) says that they have never been observed in fossils. After I wrote him, he put slips in the reprints distributed saying that Traverse had described same; rather embarrassing to me! The viscid hairs, by the way, remove any doubt there might be that these are pollen grains of the onagraceae. As you probably also know, Potonié, per the enclosed, says that my grains cannot with certainty even be referred to the onagraceae. That's rot. However, I admit that I no longer feel so strongly that the grains should be referred to *Jussiaea*. (I see no philosophical reason, though, why they could not be referred to an extant genus, if it seemed certain that they belong. As you know, I am on record several places as believing that there is no reason *per se* why fossil pollen grains cannot be put in extant genera. However, in this case, I must admit that I have no genus which is really close enough.

Now, as to the nomenclatural situation. Grains probably congeneric with mine (and yours) were described by Thiergart, 1940, as *Pollenites oculusnoctis* (see *Catalog of Fossil Spores and Pollen* 21-142, and disregard the misspellings in the footnote!). Potonié, in the synopsis, says that this is a synonym for *Oculopollis*. (This is also mentioned in the enclosed item) I am convinced that *Oculopollis*, as one of the *Normapolles* group, is entirely different.

Hunt Institute for Botanical Documentation

In other words, as far as I know, the field is open. How about "Trioculopollenites" or something of the sort? How about a joint note by us, in which further comment about fossil onagraceae could be coupled with the nomenclatural transfer?

Best wishes.

Yours very truly,

Alfred Traverse
Professor of Geology and Biology

Enclosure
AT/mrw

Hunt Institute for Botanical Documentation

AIR MAIL



Geological Survey of Queensland
Mineral House
2 Edward Street,
Brisbane, B. 15 18th June 1970

Pollenites edaphoides
Thiergart 1940
*
Potonié's 1967 "Versuch..."
put it in Oculopollis!
absurd — that a Vacuopollen
aggregate. Pol. also
denies diagonal affinities
— despite him (which you
are not!)!

Professor A. Traverse,
Deike Building,
The Pennsylvania State University,
PENNSYLVANIA. 16802. U.S.A.

Dear Professor Traverse,

At present I am studying the palynology of Tertiary sediments in Queensland and how I found pollen similar to a species which you found in the Brandon Lignite (Bureau of Mines Report 5151, 1955). Please find enclosed a photo of one of the Queensland species (Upper Oligocene from Capricorn 1A core 7 off Gladstone).

In your paper you described the species as Wussiaea champlainensis. As this was assigned to a living genus, could you suggest an existing form genus in the literature to which this species could be re-assigned.

With best wishes from Noel de Jersey and myself,

Yours sincerely,

Heinz Hekel.

Heinz Hekel.

Hunt Institute for Botanical Documentation

20 September, 1984

Mr. Patrick Helendeen
Department of Botany & Plant Pathology
Michigan State University
East Lansing, MI 48824

Dear Mr. Helendeen:

The student who was working on grass opal phytoliths has moved. Her name and address are:

Ms. Sharon Waltman
Cornell University
Dept. of Agronomy
Bradford Hall
Ithaca, NY 14863

Best wishes. I'm still coughing.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

Hunt Institute for Botanical Documentation

22 March, 1984

Dr. B. G. van Helden
Chevron Canada Resources Ltd.
500 - 5th Ave. SW
Calgary, Alberta, Canada T2P 0L7

Dear Bert:

Fan-letter. CAP Newsletter is OUTSTANDING! Congratulations.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

Hunt Institute for Botanical Documentation

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

12 April, 1996

Dr. Robin Helby
356A Burns Bay Rd.
Lane Cove, NSW 2006
Australia

Dear Robin:

Thanks so much for the "A palynological zonation of the Australian Mesozoic," which arrived some time ago. It will be very hellpful to me in my research, and it was most generous of you to provide it. What a great piece of work!

As a person with more interest in philately than I have time to indulge, I must comment on the gorgeous stamps on the package. The big pane of dinosaurs came through perfectly. I try to specialize in stamps with plants. These must be one of very few such with Jurassic/Triassic plants (not counting stylized ones on other dinosaur stamps). The ONLY US stamp to portray a fossil plant specifically is of Araucarioxylon, the state fossil of Arizona. Andy Scott, of Royal Holloway in London, is a (no kidding) professional philatelist, and has all sorts of computer-generated lists. He made me one for all fossil plants on stamps several years ago--several pages long.

Thanks again.

Yours very truly,

Alfred Traverse

encl.:reprints

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

2 July, 1990

Dr. B. G. Van Helden
Chevron Canada, Ltd.
500 5th Ave. SW
Calgary, Alberta, Canada T2P 0L7

Dear Bert:

This is in response to yours of 18 June 90 re funding for the "Palynology and Stratigraphy" book. I am coordinating and, as far as I know, am writing substantially all of the chapter on palynological nomenclature.

There is no way that an inadequately paid professor can come up with $50 a page from his personal funds. I do not have at present a grant carrying publication funds, and if I did, the auditors would be expecting the money to be spent on papers on the sponsored project! That leaves my employer. In the past I have occasionally tried getting a little publication money from Penn State. I am willing to try again, but I can tell you that $200-300 is about what I'd have much chance of getting, especially as this is not the sort of project that offers much chance of developing into a funded thing.

All the best.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

Hunt Institute for Botanical Documentation

Chevron Canada Resources
500 - Fifth Avenue S.W., Calgary, Alberta T2P 0L7
Phone (403) 234-5000 Fax (403) 234-5947

1990-06-18

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

Dear Colleague,

The AASP Silver Jubilee Book "PALYNOLOGY AND STRATIGRAPHY" will be published, preferably by the AASP Foundation, as a nonprofit making venture and with a minimum purchase price we intend to ensure a maximum distribution of this unique volume.

As business manager of the Editorial Board it is my responsibility to obtain the necessary funds to balance the budget for the production of this book and I will pursue two main avenues:

1. Page charges for authors

   Contributions towards page charges at U.S. $50 per page and U.S. $80 per photograph plate will be requested from each author. Although no money is required at this time, I need to know if you and your co-authors will be able, with the support of your respective institutions, to pay for or to contribute towards these page charges, and I would appreciate if you mail a copy of this letter to the other authors of your chapter.

   Be assured however that even if you are unable to pay for the page changes, your scientific contributions to the book are just as well appreciated. Please complete the attached form and return it to me before 1990-07-15.

2. Corporate or institutional donation.

   In addition to funding obtained from page charges, I will approach Corporations and Institutions for donations and I would appreciate receiving suggestions where to apply for such funding as there may well be grants available of which I am not aware (see attached form).

Yours very truly,

B. G. Van HELDEN

BGV/ckh
Attachment

Hunt Institute for Botanical Documentation

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

22 June, 1992

Dr. A. R. Hemsley
Department of Biology
RHB New College
Egham Hill, Surrey TW20 OEX, England

Dear Alan:

As you know, Mike Boulter gave me your MS on seed megaspores to read, as a peer-reviewer. However, I also am one of Palaeontographica Abt. B's palynological editors, so Dr. Boulter recommended I do a dual job as reviewer and editor and then deal directly with Professor Schweitzer in Bonn, who is editor-in-chief of Abt. B. I had expected to see Prof. Schweitzer personally, but he is ill, and that has not occurred. I have talked with him on the phone and told him that (1) the paper is worth publishing, and (2) it needs some editorial revisions. He recommended that I return the MS directly to you with my comments. You may correct the errors I have found and consider my other suggestions for revision. In particular, you need to aim for more precision of expression in ways I have suggested.

If you like, I could look at the second version--or at particular pages where I could be helpful. (I return to PSU early next week, so you should send airmail to me over there.) The illustrations are o.k., except for a couple of little things you might consider. The completed, revised paper should go directly to Professor Schweitzer.

My editorial corrections are red-pencilled on the MS. In addition I offer the following:

1. You use "diagnosis" and "description" in a manner that confuses me. I believe practically all if not all of these references are to descriptions, not diagnoses. I would like you to check all of these and be sure you are using the correct term in each case. (J. Jansonius has confused many by--incorrectly-- using "diagnosis" wily-nily for all descriptions in the J & H card file.)

2. You use or fail to use commas with carefree abandon. Especially, you regularly (always?) omit the required commas with compound sentences joined by "and" and "but." This needs to be thoroughly reworked.

3. Tense is totally ad lib. On p. 4: "The distinction...was emphasized by Schopf...." On p. 6: "...was further complicated by Dijkstra...." But on p. 7 (l. 6): "...Winslow (1959) provides...." Etc. Etc. I do not have the required patience to check all of these and have probably missed many. You should go over the MS carefully for this.

Hunt Institute for Botanical Documentation

4. In the bibliography the capitalization is absolutely random. It must be corrected, using a recent article in Abt. B as standard. In my red-pencilling I have assumed that only proper names are to be capitalized (in English), except for book titles.

5. Specific page comments:

a. p. 4, para. 4, l. 3: if "Zerndt proposed the existence of seed-megaspores in 1930" how is it (para. 1, l. 6) that Schopf is acknowledged for its (first?) "application." I believe a rewriting could make this clear, and it's an important point.

b. p. 8: "6 specimens of....over 1 mm may be fertile." This keys to "specimens over a millimeter long are generally isolated'." This reader finds these statements confusing--a better explanation is needed: "fertile" and "isolated" do not seem to be necessarily exclusive. Or, to put it another way, what has "fertile" got to do with "isolated"? Please explain more clearly.

c. p. 18, bottom 5 lines: "Basionym and Syntypes"? This is confusing. Only one reference can be to the basionym, and it should be so labelled. The rest of the information in this section should be included under synonymy, with appropriate notation about "(abortive)" and "functional", if desired.

d. p. 16, para. 3 and bottom 6 lines: as this is a new combination, all that needs to be done is to cite the basionym, period. The "synonym, basionym and reference" stuff at the bottom of the page is confusing.

e. p. 9, first 6 lines; the basionym should be so listed, as such. You could then append a parenthetical statement such as: "Zerndt illustrated a functional spore in Fig. 3, and an abortive spore in Fig. 4." The "syntype" bit should be dropped.

f. p. 13, top: should say "Basionym," period.

g. p. 18, bottom: if it is desired to give the basionym, it should be cited, as such, with the Plate and Fig(s.) for the type specimen, period (it is a one-time thing). Then you could list separately the information about additional specimens. I have shown in red how I believe this should be handled.

I enjoyed working with this paper and learned a good deal!

Yours very truly,

Al

Alfred Traverse

AT/et
encl: MS
cc: H.-J. Schweizer, M.C. Boulter

Hunt Institute for Botanical Documentation

UNIVERSITY OF LONDON
ROYAL HOLLOWAY AND BEDFORD
NEW COLLEGE
Egham Hill, Egham, Surrey TW20 0EX

DEPARTMENTS OF BIOLOGY AND GEOLOGY
Palaeobotany and Palaeopalynology Research Group

Prof. W. G. Chaloner FRS (Biol)
Dr. A. R. Hemsley (Biol)
Dr. D. J. Beerling (Biol)
Tel: 0784 435551
Fax: 0784 471739

Dr. A. C. Scott (Geol)
Dr. M. E. Collinson (Geol)
Dr. N. P. Rowe (Geol)
Tel: 0784 434455
Fax: 0784 471780

Dear Al,

Finally I have got around to doing the corrections to the manuscript 'A Review of Palaeozoic Seed-megaspores'. Thank you for all your comments and criticisms. You made your suggestions clear, and gave a lot of advice on how to improve things which made the corrections quite simple to do. As you will see from the enclosed letter, I have now forwarded the manuscript to Prof. Schweitzer as you suggested.

Thank you again for all your efforts and best wishes for the summer.

Regards.

Hemsley

Hunt Institute for Botanical Documentation

20-V-92

Dr. Alan Hemsley
Department of Biology
Royal H&N College
Egham Hill
Surrey TW20 0EX
England

Dear Alan:

Wanted to thank you heartily for the wonderfully interesting seminar we had. I naturally hope we can stay in close touch because of mutual interest. In the immediate future I want you to look at my the paper I'm writing for my Saudi student and me.

Thanks also for the xerox copies of your papers. Vaclav Wilde saw the one about colloid-structure, or myelin, and I got a little lecture about why he doesn't believe the form is independent of genetic factors. Obviously he's been thinking about it before.

All the best.

Yours

AT

Hunt Institute for Botanical Documentation

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ROYAL HOLLOWAY AND BEDFORD
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14/5/92

Dear Sir, please find enclosed two copies of a manuscript I should like to submit to Palaeontographica B.

You will note that my address is now no longer the one shown on the manuscript but it is important that this should be retained. If necessary, a footnote with my current address could be included. All correspondance should be to me at the above address.

Yours sincerely

A R Hemsley

— Dear directly to D. Schweitzer

— Schweitzer says to return MS to ARH with suggested changes /

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

30 December, 1990

Dr. A. R. Hemsley
Lab. de Paléobotanique et Evolution des Vegetaux
Université de Montpellier II, (URA 327 CNRS)
Place Eugène Bataillon, CP 062
34095 Montpellier Cedex 2, France

Dear Alan:

Just read the papers you sent a while back and really profited a great deal. The Parka paper is a fine contribution to matters I try to present intelligently in my paleobotany lectures. We still look at our local late Ordovocian-Early Silurian rocks for more hints! The seed-megaspore paper will also help me in my courses. Fig. 1 will be a transparency here very soon. Thanks again.

All the best to you for 1991.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

Hunt Institute for Botanical Documentation

Université de Montpellier II, Sciences & Techniques du Languedoc
INSTITUT des SCIENCES de L'EVOLUTION (URA 327 CNRS)

LABORATOIRE de PALEOBOTANIQUE
et EVOLUTION DES VEGETAUX
Place Eugène Bataillon, CP 062
34095 MONTPELLIER Cedex 2

11/12/90

Dear Dr Traverse,

I'm sorry to have caused you confusion with regard to my passing away. The reference was originally from Phil Holmes who had a letter from you in which you comment on the "†" after my name in IOP circular 8. It caused considerable amusement amongst those of us working on PFR. I hope this clarifies matters. Thanks for your letter and I look forward to hearing from you again when you have cleared your backlog.

Best wishes for Christmas and the New Year.

A.R. HEMSLEY.

Tél: 67 14 37 25 - 67 61 12 13 - Telex: USTMONT 490944 F - Télécopie / Fax: 67 54 30 79

Hunt Institute for Botanical Documentation

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30 November, 1990

Dr. A. R. Hemsley
Laboratoire de Paleobotanique
Place Eugène Bataillon CP 062
34095 Montpellier Cedex 2
France

Dear Dr. Hemsley:

When one gets to be my age, one has experienced most everything, but yours of 5 November is a new one! I have no idea what you're getting at. My files reveal absolutely no previous correspondence between us, and I don't recall ever saying anything to anybody about you at all. So, where is this statement about my thinking you were deceased coming from? Hmmm.

In any case, I am very glad to get the reprints and will write you again when I get a chance to read them. My mother died in October, and I'm terribly in arrears with my reading--but surely I'll get at it in December!

Best wishes to you.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

Hunt Institute for Botanical Documentation

Université de Montpellier II, Sciences & Techniques du Languedoc
INSTITUT des SCIENCES de L'EVOLUTION (URA 327 CNRS)

LABORATOIRE de PALEOBOTANIQUE
et EVOLUTION DES VEGETAUX
Place Eugène Bataillon, CP 062
34095 MONTPELLIER Cedex 2

letter
received
29-XI-90

5/11/90.

Dear Dr Traverse,

On discovering that you were under the impression that I had passed away (!) I felt I should take steps to verify this unfortunate state of affairs. Here then is some proof that I am alive and kicking, although after reading these, you may feel that your initial prognosis may have been more applicable. In the mean time, best wishes from a corpse!

A.R. Hemsley.

P.S. Please note change of address although I suspect Phil Holmes or Mike Boulter may have informed you of such. Interest in PFR is good in France and I have high hopes of some vigourous Anglo-French activity!

Tél: 67 14 37 25 - 67 61 12 13 - Telex: USTMONT 490944 F - Télécopie / Fax: 67 54 30 79

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

July 25, 1967

Mr. Homer Bryce
Henderson Clay Products Company
Henderson, Texas 75652

Dear Mr. Bryce:

I greatly enjoyed spending a few hours poking around in your company's clay pits again after a two year absence. Much more significant, however, is the fact that Mr. Nichols, my graduate student, was able to obtain materials both at your pits and at the Acme pit in Garrison, which will be very helpful in putting together his thesis. It was especially helpful that Mr. Gresham could direct us to the pit at Garrison because Nichols found down there a most helpful exposure of clays and lignite. It was certainly kind of you to provide the drilling apparatus to put some holes into the pit north of Henderson though I understand that the lignite in the clay pit did not prove to be as thick as had been hoped.

I have made no careful laboratory studies of materials collected from Henderson pits as yet, but as I told you when we were with you, the resemblance between some materials I have seen from your pits to plant fossil bearing clays from central Tennessee is truly remarkable. This is not too surprising since the age of the Wilcox clays in Texas and those of Tennessee is supposed to be the same.

Best regards to you and our thanks also to Mr. Luke Gresham.

Yours very truly,

Alfred Traverse
Associate Professor of Geology

HENDERSON CLAY PRODUCTS, INC.
MANUFACTURERS OF QUALITY FACE BRICK
HENDERSON, TEXAS

HOMER BRYCE
PRESIDENT-GEN. MGR.

OFFICE PHONE 657-3505
RES. PHONE 657-2223

Hunt Institute for Botanical Documentation

File

Henderson Clay Products, Inc.

MANUFACTURERS OF QUALITY FACE BRICK

HOMER BRYCE
PRESIDENT-GEN. MGR.

Phone 657-3505 · Box 1129
HENDERSON, TEXAS 75652

June 19, 1967

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

Dear Mr. Traverse:

Thank you for your letter of June 15, 1967, and your interest in visiting our clay pits sometime during your trip to Texas. We will be glad to have you work in our pits and hope it will prove to be as interesting as your previous trip.

Please come by our office and check in with us. We will be looking forward to seeing you then.

Sincerely yours,

HENDERSON CLAY PRODUCTS, INC.

Homer Bryce

Homer Bryce

HB:eb

Hunt Institute for Botanical Documentation

June 15, 1967

Henderson Clay Products, Inc.
P.O. Box 1851
Henderson, Texas 75652

Dear Sirs:

Two years ago this summer, when I was still with the University of Texas, I spent a day collecting fossil leaf impressions from a couple of your clay pits near Henderson. Study of the fossils has proven quite interesting to me and to some of my students.

I am planning to visit Texas for field work for the first three weeks of July, and I would very much like to have the privilege of spending another day collecting some more leaf impressions from your clay pits. I am a former Bureau of Mines employee and know about mine safety and would keep well away from your active excavating and loading operations.

Yours very truly,

Alfred Traverse
Associate Professor of Geology

AT:kaw

Hunt Institute for Botanical Documentation

9 July 1965

Mr. Luke Gresham
Henderson Clay Products, Inc.
P.O. Box 1251
Henderson, Texas 75652

Dear Mr. Gresham:

Thank you very much for allowing me to collect plant fossil materials from your company's clay pits on 8 July. I especially appreciated your having Mr. Lachmann guide us out to the locality. He was most courteous and helpful.

Yours very truly,

AT

Alfred Traverse
Geologist

AT/jt

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

17 October, 1996

Dr. Bridget A. Henisch
346 W.Hillcrest
State College, PA 16803

Dear Dr. Henisch:

Just a fan note to let you know how much I enjoyed your presentation the other day on mediaeval harvests. Actually, some of the methods were not that different from what I remember of methods still being used in rural eastern Canada of my childhood, sixty-five years ago. You did a fine, crisp job of presenting your material. Thanks again.

I had two comments for your consideration. The first is that Ektachrome 35mm. slides of your illustrations, projected by a Carousel Kodak projector (available from Audiovisual in Willard Bldg.) would have given a better, more visible rendition of the pictures.

Secondly, I was very interested in the lifting of hay into a loft, as when I was youth in New Brunswick I had the job of driving a team of horses as they did just that sort of lifting job. It made me wonder about what you interpreted for us as an "iron ring" up at the entrance to the loft. My grandfather used a wooden block (=large pulley) for that purpose, as it doesn't tear up the rope as a ring would and also applies mechanical advantage of 2:1 if it is rigged correctly. Would careful examination of the setup in your picture reveal a pulley? Seems likely.

Best regards.

Yours very truly,

Alfred Traverse

Hunt Institute for Botanical Documentation

7 September 1965

Mr. Eugene Henke
Campbellton, Texas

Dear Mr. Henke:

Many thanks for letting me search for fossil ferns and the like on your place last week. I had a good and very successful time of it! Hope to see you again some day. In the meantime, every good wish.

Yours very truly,

Alfred Traverse
Geologist

AT:jt

Hunt Institute for Botanical Documentation

June 26, 1967

Dr. J.P. Hennelly
Coal Research Section
C.S.I.R.O.
P.O. Box 3
Chattswood, N.S.W.
Australia

Dear Dr. Hennelly:

I enclose the original photographs from your work which you lent us for use in covering your publication in Volume 26 of the Catalog. We appreciate your help and patience and are sorry only that we didn't get the pictures back to you with more expedition!

Best wishes and thanks again.

Yours very truly,

Alfred Traverse
Editor
Catalog of Fossil Spores and Pollen

AT:kaw

Hunt Institute for Botanical Documentation

Air Mail

29 Nov., 1966

Dr. J. P. Hennelly
Coal Research Section
C. S. I. R. O.
P. O. Box 3
Chatswood, N. S. W.
Australia

Dear Dr. Hennelly:

In connection with assuming responsibility for the Catalog of Fossil Spores and Pollen I have been reviewing the correspondence files and find no record that your permission was sought for the inclusion of material from your paper, "Spores and pollens from a Permian-Triassic transition, N. S. W.," Proc. Linn. Soc. N. S. W. 83:363-369. 1959.

Although nobody has ever refused permission for such republication in the Catalog, we regard it as desirable to seek such permission formally.

The material in question is slated for inclusion in Volume 26 of the Catalog, which is very nearly completely prepared. I would appreciate it if you could write me indicating your approval.

Yours very truly,

Alfred Traverse
Editor, Catlaog of Fossil Spores and Pollen

Hunt Institute for Botanical Documentation

THE PENNSYLVANIA STATE UNIVERSITY
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Bill Henry Fellowship

15 April, 1993

Mr. Ronald Cohen
Chairman, Apax Partners & Co.
15 Portland Place
London, England W1N 3AA

Dear Mr. Cohen:

How nice to hear from you! I hadn't thought about the fact that I was once a Henry Fellow for a long time, although I do think of my year in Cambridge often. Is the program still in operation? I never notice an announcement of somebody getting a Henry Fellowship. Maybe I should encourage some of my students to try for one.

I would be mildly interested in an organization of ex-Henry Fellows, and would like to on the list. The only way I'd ever be able to attend one of the functions in England would be if I just happened to be in Europe at the time, which happens about once every two or three years for me.

The only Henry Fellow I ever saw after the stay in UK (46-47), is John Tabor, who became a prominent Republican politician in this state. He had an unsuccessful bid to become the governor of Pennsylvania, but then dropped out of sight. I have no idea if he even is still alive. He was a Henry in Cambridge at the same time I was. There were five that year, and I think the other three were at Oxford.

Best wishes.

Yours very truly,

Alfred Traverse
Professor of Palynology

Hunt Institute for Botanical Documentation

Apax Partners & Co

7 April 1993

file
Henry Fellowship

Dr Alfred Traverse
RR 2
Box 390
Huntingdon
PA 16652-9209
USA

From the Chairman
Direct Tel 071 872 6301
Direct Fax 071 872 8999

Apax Partners & Co. Ltd.
15 Portland Place
London W1N 3AA
Tel 071 872 6300

Dear Dr Traverse

HENRY FELLOWSHIP

Like you, I am a past Henry Fellow. After spending three years at Exeter College, Oxford reading PPE, I was a recipient of the Fellowship in 1967/8 which I took up at Harvard Business School.

It has occurred to me that other award winners, such as Rhodes Scholars, have associations from which they greatly benefit. There might therefore be some unexplored potential in establishing a similar association for ourselves.

I have ascertained the present location of as many holders of the award as possible since the Fellowship's inception in 1931, and am therefore writing to you now to ask whether you would like to participate in an annual drinks party which we will be happy to host some time in July at our offices. I am willing to maintain responsibility for the first two years or so, and thereafter there could be a rotation system for presidents.

I would very much appreciate it if you would write and let me know if you welcome such a development. If you know of any other Henry Fellows, it would be helpful if you could ask them to contact me too.

I look forward to hearing from you soon.

Yours sincerely

Ronald Cohen

Ronald Cohen
Chairman

Apax Partners & Co. Ltd.
is the new name for
The MMG Patricof Group plc

Registered in London No 1762860
Registered office as above

Hunt Institute for Botanical Documentation

23 October, 1980

Ms. Susan J. Hepler
Petrified Forest National Park
Holbrook, AZ 86025

Dear Susan:

Thanks so very much for your and the Park's splendid hospitality for us a couple of weeks ago. My student (Ronald Litwin) and I got some very good materials for our research, under the guidance of Sid Ash--a man who really knows the geology of ol' PFNP!

As Sid will perhaps tell you, we got a shocker at the convention in Keystone, Colorado, when one of our British colleagues (Michael Fisher) showed us a manuscript of a paper by him about to appear in Review of Palaeobotany and Palynology, in which he describes the same pollen/spore flora Litwin had hoped to work on from the Park. He blandly told us that In October, 1978, following the Phoenix meeting of our society, he rented a car, drove to the Park, went to the museum (not the headquarters) and secured some ranger's permission to collect samples, collected the section in a couple of hours, drove back to Phoenix and off to England. It was obvious that you had never heard of this. This British colleague knew full well in 1978 of our ongoing project, and it is quite clear that this was a deliberate cream-skimming "scoop". We are taking it philosophically, and there is still plenty to do, but it would seem that my colleagues should be a little more forthcoming about their intentions, huh?

Litwin's paper on these ferns was very well received.

All the best, and thanks again!

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et
cc: S. R. Ash

Hunt Institute for Botanical Documentation

Delivered-To: traverse@ems.psu.edu
Date: Thu, 18 Mar 1999 12:09:59 -0500 (EST)
From: "Patrick S. Herendeen" <herenden@gwis2.circ.gwu.edu>
To: Alfred Traverse <traverse@ems.psu.edu>
Subject: Re: Bibliography REMINDER

Hi Al,

No I do not have anything from you yet. I am still receiving material and have editing to do yet so now problem- just send it on.

I spoke with Pete recently and he mentioned your visit. It is sad for me to see the group dispersing, but they are all moving on to good things and I have confidence that the department will hire the right person to keep a first rate program going there. Who knows what will happen.

Best wishes- Pat

Patrick S. Herendeen
Robert Griggs Assistant Professor
Department of Biological Sciences
The George Washington University
Lisner Hall 340
2023 G Street NW
Washington, DC 20052
Phone: (202) 994-5828
Fax: (202) 994-6100
Email: herenden@gwu.edu

On Thu, 18 Mar 1999, Alfred Traverse wrote:

> Hi, Pat:
>
> Forgive me, old friend: I need to be informed if I have already done this
> or not. Could you oblige by "reply"?
>
> Just back from trip to the Field. Nice visit with Peter C. and his various
> students and assistants. Took my paleobotany library there. But with you
> gone and Peter about to go to the Kew, and none of the young folks
> permanent there, it is hard to identify with the staff.
>
> See you. 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

Date: Tue, 11 Aug 1998 12:08:51 -0400 (EDT)
X-Sender: herenden@pop.circ.gwu.edu
To: traverse@ems.psu.edu
From: "Patrick S. Herendeen" <herenden@gwu.edu>
Subject: hello

Dear Al,

Thanks for your letter and the reprints. Bill and I were sorry that you were not able to join us last weekend. From your letter it looks like you have much in common with Aureal Cross in finding room for your libraries and other work things at home! He has been dealing with the same problems.

During your visit on 27 August you might want to consider visiting the gem and mineral exhibit at the Natural History Museum- it is very nice. Get there as early as possible to avoid the crowds. If you would like to come by my lab during your visit you would be most welcome. Just let me know. I expect to be here. My first class for the semester is on Friday the 28th.

I have reprints of the moss papers which I would be happy to send you. However, given your comments about space problems I'm afraid that I might not be doing you a favor by sending them! I thought that we mentioned in the manuscript that the spores are alete but perhaps we forgot.

With best wishes-- Pat

Patrick S. Herendeen
Robert Griggs Assistant Professor
Department of Biological Sciences
The George Washington University
2023 G Street NW
Washington DC 20052

Phone: 202-994-5828 (office)
Phone: 202-994-1938 (lab)
Fax: 202-994-6100

mailto:herenden@gwu.edu
http://www.gwu.edu/~clade

Hunt Institute for Botanical Documentation

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

4 August, 1998

Dr. Patrick S. Herendeen
Department of Biological Sciences
George Washington University
2023 G St. NW
DC 20052

Dear Pat:

Just read with interest your paper with others about mosses in the Santonian, etc.

Maybe I missed it somehow, but I can't find where you all tell what laesural group the beautifully illustrated spores belong to. I take it that they are (as many, but not all moss spores) alete?

Hope your openhouse goes well. Wish I could have been there. I got word about 15 June that I had to be out of my space here by 15 July and just barely made it. Now am trying to get new office at home set up--terrible job. Called Peter Crane and arranged to give the Field my paleobotanical library immediately, as I have no space for it now. Paleopalynology I will hang onto for a while, as I am still active in that field--though I won't be able to find a particular slide or reprint for many months! I will have a cubicle here (Room 307), which I share with another emer. I have a computer, modem, some shelf space, etc. here.

All the best. I enclose some recent reprints to bring you up to date.

Yours very truly,

Alfred Traverse
Professor Emeritus of Palynology

enclosures

P. S. On 27 August I will spend the day in D. C. with a palynological colleague from Japan, Yoshitaka Hase. He and his wife and students entertained us in Japan two years ago, and we are going to try to show them a good time in USA. He has specialized in the Late Pleistocene (to present) vegetational changes in Japan as reflected by palynology. I intend to take him to the Natural History Museum, of course. Any special hints

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about what to show him? His wife is an artist, and she and my wife will be spending the day in the art galleries.

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Date: Tue, 9 Jun 1998 14:57:53 -0400
To: traverse@ems.psu.edu (Alfred Traverse)
From: "Patrick S. Herendeen" <herenden@pop.circ.gwu.edu>
Subject: Re: rats

Hi Al,

I'm sorry to hear that you will not be able to make it. Bill and I were looking forward to your visit. We have about 15 people signed up now, including Aureal Cross and a couple other people I have not seen in quite some time. If your plans change just let me know. Last minute is fine, especially given that you did not need any transportation from Baltimore!

I would be happy for you to visit another time when you are in town.

With best wishes,

Pat

Patrick S. Herendeen
Robert Griggs Assistant Professor
Department of Biological Sciences
The George Washington University
2023 G Street NW
Washington DC 20052

Phone: 202-994-5828 (office)
Phone: 202-994-1938 (lab)
Fax: 202-994-6100

mailto:herenden@gwu.edu
http://www.gwu.edu/~clade

Hunt Institute for Botanical Documentation

To: herenden@gwu.edu
From: traverse@ems.psu.edu (Alfred Traverse)
Subject: open house
Cc:
Bcc:
X-Attachments:

Dear Pat:

What an interesting idea. I have no plans to attend the AIBS meeting--non-attendance at meetings is one luxury I have granted myself in retirement, but I'd like to have the Sunday of paleobotany, etc.

The only problem is that you will be somewhat distracted and unable to spend much time with individual visitors.

I will be staying in the area and will arrive on foot, and will show up at the Cooper Room at 10:00 on 2 August. I will walk to GWU at the appropriate time, unless there is lots of room on the van.

See you in August if not before. Al (August in DC--I must be out of my mind!)

Hunt Institute for Botanical Documentation

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

Dear Pat:

O. K., here goes. But before I forget, Donna might well try George Mason Univ. and U. MD., both of which are fairly easy commutes. This is probably telling you things you already know, but a good contact would be Judy Skog, who is a distinguished prof. at GM, and a paleobotanist. Her husband, Larry, is a taxonomic wheel at the Smithsonian. Judy could probably help Donna. Another person to contact is a former student of mine, Debra Willard, who is at the USGS in Reston. dwillard@usgs.gov
Deb knows a lot of people, and the library at Reston might even be a good place--it sure is a great library. But mostly, it's a matter of Deb being a very helpful person.

4. General.

Traverse, A., in press. Proposal to amend the Code to provide for the typification of plant microfossil names by illustrations. Taxon.

8. Paleozoic Palynology.

Traverse, A., in press. Dating the earliest tetrapods: a Catskill palynological problem in Pennsylvania. Courier, Forschungsinstitut Senckenberg (Frankfurt/M.)

12. Tertiary palynology.

Pazzaglia, F. J., Robinson, R. A. J., & Traverse, A., 1997. Palynology of the Bryn Mawr Formation (Miocene): insights on the age and genesis of Middle Atlantic margin fluvial deposits. Sedimentary Geology 108:19-44.

14. Quaternary palynology. [the terms Tertiary and Quaternary should both be abolished, but that is another matter]

Rue, D. J. & Traverse, A., 1997. Pollen analysis of the Hackensack, New Jersey Meadowlands tidal marsh. Northeastern Geology and Environmental Sciences 19:211-215.

That seems to take care of it. I have been having too much fun travelling, I guess.

Best. Al.

Hunt Institute for Botanical Documentation

X-Sender: herenden@pop.circ.gwu.edu
Date: Fri, 10 Apr 1998 09:30:39 -0400
To: traverse@ems.psu.edu (Alfred Traverse)
From: "Patrick S. Herendeen" <herenden@gwu.edu>
Subject: Re: biblio

Dear Al,

Good to hear from you. No I have not received anything from you yet for the Bibliography. I expect that I will be receiving more materials for at least another week yet so there should be no problem adding yours.

It would be great if you could stop in for a visit next time you get to DC- everyone comes to Washington, many of them to see Ken Starr! GWU is only several blocks form the Natural History Museum. Donna is working part time in Botany at Smithsonian on a taxonomic/nomenclature database (for grasses) while watching for a good library job or something else where she can use her botany and/or library training.

Best wishes,

Pat

Patrick S. Herendeen
Robert Griggs Assistant Professor
Department of Biological Sciences
The George Washington University
2023 G Street NW
Washington, DC 20052

Phone (office): (202) 994-5828
Phone (lab): (202) 994-1938
Fax: (202) 994-6100

mailto:herenden@gwu.edu

Hunt Institute for Botanical Documentation

To: herenden@fmppr.fmnh.org
From: traverse@ems.psu.edu (Alfred Traverse)
Subject: whoops
Cc:
Bcc:
X-Attachments:

Dear Pat:

Goodness. I just noticed that I was supposed to do things with the references I didn't do. All three items are Triassic palynology. I note that I also screwed up on the name citations. I guess at this stage I'll just offer apologies and hope you can straighten it out. Nobody ever writes CIMP out--it's just CIMP. But, if somebody insists: Commission Internationale de Microflore du Paléozoique. The rest is self-explanatory. Sorry. Al

Hunt Institute for Botanical Documentation

To: herenden@fmppr.fmnh.org
From: traverse@ems.psu.edu (Alfred Traverse)
Subject: 1995 citation
Cc:
Bcc:
X-Attachments:

Dear Pat:

Gotcha call for citations for 1996 Biblio.

According to our non-infallible records, we corresponded about the Biblio a while back, and we sent you the 1996 publications. There have, however, been two more 1996 items that weren't on that list as far as I know:

Wade, J. A., D. E. Brown, Alfred Traverse & Robert A. Fensome, 1996.
The Triassic-Jurassic Fundy Basin, eastern Canada: regional setting, stratigraphy and hydrocarbon potential: Atlantic Geology 32:189-231.

Fowell, S. J., A. Traverse, P. E. Olsen & D. V. Kent, 1996 [Abstract].
Carnian and Norian palynofloras from the Newark Supergroup, eastern United States and Canada, and the Argana Basin of Morocco; Relationship to Triassic climatic zones: CIMP Newsletter 51, p. 4.

In addition, I think we discussed the fact that my meagre contributions for 1995 I believe never were covered, and you offered to stick them (it) in:

Fowell, S. J. & A. Traverse, 1995. Palynology and age of the upper Blomidon Formation, Fundy basin, Nova Scotia: Rev. Palaeobot. & Palynol. 86:211-233.

Betty and I still have warm feelings about our visit to FMNH several years ago. Regards to both you and Donna. Al.

Hunt Institute for Botanical Documentation

Date: Wed, 30 Apr 1997 16:12:54 -0500
X-Sender: herenden@192.107.185.3
To: (Recipient list suppressed)
From: Patrick Herendeen <herenden@fmppr.fmnh.org>
Subject: Bibliography citations

FINAL CALL FOR CITATIONS - DEADLINE MAY 15, 1997

Bibliography of American Paleobotany for 1996

If you have already submitted your citations for the Bibliography- thank you and please ignore the following! Email submissions should have received an acknowledgment (if you can't remember I will be able to tell you!).

If you have not yet submitted your citations for the 1996 Bibliography of American Paleobotany this message is for you. This is the ONLY reminder that will be issued! Why risk having your brilliant and scintillating contributions (to quote a recent reprint request!) pass into history unnoticed- send me the citations to include in the Bibliography.

Remember, the work does not have to have been done in America, nor do you have to be American to have your work included- only two things are required: i) you are a member of the Paleobotanical Section of BSA, and ii) the citations reach me by 15 May. I mention the former point because I have received relatively few contributions from international members of the Section. I would like to see better representation of the international membership in the Bibliography.

Also, remember that the work need not be paleobotanical (see category #16 below). I would also like to see better coverage of extant botany in the Bibliography.

Please submit your 1996 citations by either of the following media: I) e-mail (STRONGLY PREFERRED), or 2) cleanly typed on white paper, sent by standard mail. Submissions via email will be acknowledged.

List citations in the current format of American Journal of Botany (except note that ALL author names are to be cited with surname first). Journal names are to be spelled out in full, but without italics or underlining. Please see examples below.

Entries should be single-spaced, leaving a space between successive citations.

Please group your citations by category (listed below, 1-18) and precede each citation grouping with the appropriate key number and/or name from the list below. If a citation is to be listed under multiple categories please

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indicate this, or duplicate the citation for each category. This will facilitate my cutting and pasting contributions into the document.

Categories:
1 - Techniques
2 - Review of a Book or Paper
3 - Book
4 - General
5 - General Palynology
6 - Precambrian
7 - Paleozoic
8 - Paleozoic Palynology
9 - Mesozoic
10 - Mesozoic Palynology
11 - Tertiary
12 - Tertiary Palynology
13 - Quaternary
14 - Quaternary palynology
15 - Taphonomy
16 - Non-fossil
17 - Thesis
18 - Work in Progress (including submitted but not yet accepted, and other work in progress)

Work in press (accepted for publication) - Please cite under the appropriate category above, DO NOT list separately.

News of Individuals (e.g., recent moves, exchange visits, new field work, new discoveries of paleobotanical interest) is now distributed through the Paleobotanical Section World Wide Web page. Submit news items to: Dr. Charles Daghlian: daghlian@dartmouth.edu

Sample Formats:

Review: DiMichele, W.A. 1995. Review of: Schindewolf, O.H., Basic questions in paleontology: geologic time, organic evolution, and biological systematics. Review of Paleobotany and Palynology 89: 481-483.

Book: Kurmann, M.H. and Doyle, J.A. [eds.]. 1994. Ultrastructure of fossil spores and pollen. Royal Botanic Gardens, Kew, 221 pp.

Journal article: Manchester, S.R. 1995. Yes, we had bananas. Oregon Geology 57: 41-43.

Article in a Book: Rothwell, G.W. 1995. The fossil history of branching: Implications for the phylogeny of land plants. In P.C. Hoch and A.G.

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Stephenson [eds.], Experimental and molecular approaches to plant biosystematics, pp. 71-86. Missouri Botanical Garden, St. Louis.

Submit citations to:

herenden@fmppr.fmnh.org (E-MAIL STRONGLY PREFERRED)

Or: Patrick Herendeen, Department of Geology, The Field Museum, Roosevelt Road at Lake Shore Drive, Chicago, IL 60605

Patrick Herendeen
Department of Geology
The Field Museum
Roosevelt Rd. at Lake Shore Dr.
Chicago, IL 60605

Phone: 312-922-9410 ext. 334
Fax: 312-922-9566
Email: herenden@fmppr.fmnh.org

Hunt Institute for Botanical Documentation

To: herenden@fmppr.fmnh.org
From: traverse@ems.psu.edu (Alfred Traverse)
Subject: Bib. of Amer. Paleobot. 1996
Cc:
Bcc:
X-Attachments:

Dear Pat, Here are my submissions for the 1996 BAP. Hope things are going well with you. Greetings to all my friends at the Museum. Best, Al

8 Strother, P.K., Al-Hajri, S. and Traverse, A. 1996. New evidence for land plants from the lower Middle Ordovician of Saudi Arabia. Geology 24.1: 55-58.

7 Visscher, H., Brinkhuis, H., Dilcher, D.L., Elsik, W.C., Eshet, Y., Looy, C.V., Rampino, M. and Traverse, A. 1996. The terminal Paleozoic fungal event: Evidence of terrestrial ecosystem destabilization and collapse. Proceedings of the National Academy of Sciences 93: 2155-2158.

5 Traverse, A. 1996. Chapter 2. Nomenclature and taxonomy: systematics. A rose by any other name would be very confusing. IN J. Jansonius and D.C. McGregor [eds.], Palynology: principles and applications, vol. 1, pp. 11-28. American Association of Stratigraphic Palynologists Foundation. [N. B. This is a book chapter, but there doesn't seem to be such a category in the list.]

Hunt Institute for Botanical Documentation

Date: Mon, 3 Feb 1997 15:11:34 -0600
X-Sender: herenden@192.107.185.3
To: traverse@ems.psu.edu
From: Patrick Herendeen <herenden@fmppr.fmnh.org>
Subject: Citations

Dear Al,

I received your citation list for the bibliography. I received a note from Steve some time ago in reference to citations for you from 1995 (?), which were missed in last year's bibliography. I did not find the citations in the file when I started going on this last week. I am wondering whether I have lost them or perhaps when you wrote Steve you didn't send them at that time. In any event, if you have citations that were missed I will be happy to include them in the 1996 bibliography. Just send them on to me.

- sent in response to this

I think you nomenclature paper should go in the general section, as well as in general palynology. For that matter, perhaps there should be a nomenclature section in the bibliography. No reason why I can't do that!

Hope all is well with you.

Sincerely-- Pat

Patrick Herendeen
Department of Geology
The Field Museum
Roosevelt Rd. at Lake Shore Dr.
Chicago, IL 60605

Phone: 312-922-9410 ext. 334
Fax: 312-922-9566
Email: herenden@fmppr.fmnh.org

Hunt Institute for Botanical Documentation

Date: Fri, 30 Aug 1996 07:13:11 -0500
X-Sender: herenden@192.107.185.3
To: traverse@ems.psu.edu
From: Patrick Herendeen <herenden@fmppr.fmnh.org>
Subject: spores

Dear Al,

Thanks for your note. Yes, the spores for both types of fossil moss capsules are alete. I can't believe that we forgot to say that in the abstract!

Thank you for the reprints that you sent. I was particularly happy to see the nomenclature paper.

Things are going well here. Chicago is rather busy just now with the DNC going on. We have a one year old baby at home and she is keeping us very busy- and entertained!

With best wishes,

Pat

Patrick Herendeen
Department of Geology
The Field Museum
Roosevelt Rd. at Lake Shore Dr.
Chicago, IL 60605

Phone: 312-922-9410 ext. 334
Fax: 312-922-9566
Email: herenden@fmppr.fmnh.org

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

21 August, 1996

Dr. Patrick S. Herendeen
Geology/Paleobotany
The Field Museum
Roosevelt Road at Lake Shore Drive
Chicago, IL 60605-2496

Dear Pat:

Just read your Bot. Soc. abstract with Konopka and a cast of thousands (AJB 83:6:12, Abstr. 34). I have a tiny question: are the spores alete? As far as I can tell you don't actually say. There are, of course, trilete and monolete moss spores.

Hope you and Donna are flourishing. That was a great visit we had with you two years (I think) ago.

Best.

Yours very truly,

Alfred Traverse

Encl.:reprints

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

5 July, 1994

Dr. Patrick S. Herendeen
Geology/Paleobotany
The Field Museum
Roosevelt Road at Lake Shore Drive
Chicago, IL 60605-2496

Dear Pat:

Just a brief note to say how much we appreciated your hauling yourself out of a near-sickbed to host us during our visit to the Museum. It was also fun to meet you and Donna. We were of course impressed with what you showed us.

On Sat. we "did" the Art Institute. Like FM, the scale of the place is amazing. I needed rollerblades. Betty did the Sears Tower when it opened that morning. It was full of soccer fans.

Sunday we "did" the Shedd Aquarium and then in the early evening strolled through the lakeside crowds that were assembling for the fireworks. Incredible scene. The city needed to have provided more trash barrels and at least a few job johnnies. On the platform at Calumet (train didn't stop at Homewood on Sunday) at 7:30 p. m. were fifty or so young people with cases of beer and folding chairs, ready to go into town for the show. We couldn't figure out where they would fit in. In their state they wouldn't have cared much.

In making a card for you for my addresses file I note that we haven't been much in touch, and I therefore enclose some reprints--what I happen to have around.

Regards to Donna and all the best to you both.

Yours very truly,

Alfred Traverse

encl: reprints

Hunt Institute for Botanical Documentation

MICHIGAN STATE UNIVERSITY

DEPARTMENT OF BOTANY AND
PLANT PATHOLOGY

EAST LANSING • MICHIGAN • 48824-1312

26 October 1984

Dear Dr. Traverse,

Thank you very much for the information about Sharon Waltman. I am continually surprized at the number of people that I am finding that are using opal phytoliths in one way or another.

It was a pleasure meeting with you this summer, though the mode of communication was a bit unusual! I would have liked to have heard more of your views in the Hughes vs. ICBN discussion.

Thank you again for the phytolith information.

Sincerely,

PT Herendeen

Pat Herendeen

MSU is an Affirmative Action/Equal Opportunity Institution

Hunt Institute for Botanical Documentation

7 October, 1983

Alfred Traverse, Professor of Palynology, 435 Deike

Henry J. Hermanowicz, Dean, College of Education, 175 Chambers

I saw the remarks of Dr. Stabb quoted in the Collegian for 5 October, '83, and they struck a chord with my own ideas. I gather that you are one of the people to whom I should direct comments.

Although I favor the semester system, I believe the present Fall calendar is more or less idiotic. The mid-August start is out of keeping with the whole of American summer traditions and the climatic conditions that engenered that set of traditions.

But that is not what I wish to stress. My concern is that final exams will run until well into the evening of 22 December. That means that some at least of the teaching faculty will be grading finals on Christmas Eve! Asinine! Also cruel. Yet, if there is to be a Fall Semester Commencement, as seems demanded, this is not avoidable under the current calendar. Much better to have an exam period in January and start the Fall Semester after, or about Labor Day.

Thanks for reading.

AT/et

cc: Prof. Peter D. Bennett

Hunt Institute for Botanical Documentation

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

19 November, 1992

Dr. G.F.W. Herngreen
Geological Survey
P.O. Box 157
2000 AD, Haarlem, Netherlands

Dear Dr. Herngreen:

Please keep me posted on the 1994 EPP Congress, even though I didn't make it to Vienna.

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
Phone: (814)863-3419; Fax: 814-863-7823

17 October, 1991

Dr. G.F.W. Herngreen
Rijks Geologische Dienst
Postbus 157
2000 AD Haarlem, Netherlands

Dear Waldemar:

Yours of 2 Sept. 91 was most welcome. I read the "ASA paper" about the Une Fm. in Colombia with great interest.

Following your advice, I am writing to Dr. Hooghiemstra, asking for a sample. Picking the level is not difficult from abundances in Table 1 of your 1975 paper. However, it may well be that there will be little left of that one sample. My motives are twofold. First, I'd like to process a sample for use in teaching in my palynology course here. Second, I would like to attempt to isolate some detached elaters to run some tests on them. From that point of view, the most important thing is the yield of elater-bearers in the sample. Forms such as Elaterosporites or Elatroplicites would be best for the proposed experiment. (If a piece of the Colombian material at a level you know to be relatively rich in Elaterosporites klaszii were available, it would be great.)

In any event, thanks very much for your help.

Yours very truly,

Alfred Traverse

AT/et
encl; copy of letter fo Hooghiemstra

Hunt Institute for Botanical Documentation

Rijks Geologische Dienst RGD

Aan

Prof. Dr. A. Traverse
The Pennsylvania State University
Dept. of Geosciences - Palynol. Laboratories
435 Deike Building
University Park PA 16802
U.S.A.

Datum	Uw kenmerk	Ons kenmerk	Bijlage(n)
2-9-1991		GHer/TvdH	

Onderwerp

Dear Colleague,

Just coming back from my vacation I found your letter of August 2 nd, in which you inquire for the availability of Brazilian mid-Cretaceous (elaterate) sample material.
About 10 years after my doctor's degree (1975) all material (raw samples, residues, slides etc.) has been deposited in the collections of the Hugo de Vries Laboratory, University of Amsterdam.
Please contact Prof. Dr. Th. van der Hammen or his successor Dr. H. Hooghiemstra who was recently appointed. The address is:
Hugo de Vries-Laboratorium
Kruislaan 318
1098 SM AMSTERDAM.
For a major part of the samples sufficient cored material is still available.
Please make your own selection based on the distribution charts (Herngreen 1973, 1974, 1975).
If you get into problems I am inclined to see if some Colombian material is still available (see enclosed reprint from Review P & P).

With all best wishes,

Wablema ↓ K.

(G.F.W. Herngreen).

Doorkiesnummer

Telefax

Hoofdkantoor
Richard Holkade 10

Postbus 157
2000 AD Haarlem
Telefoon (023) 30 03 00

Telex 71105 GEOLD
Telefax (023) 35 16 14
Postrekening 24931

Ministerie van Economische Zaken

Verzoek bij beantwoording van deze brief ons kenmerk te vermelden

02.01.AL6.

Hunt Institute for Botanical Documentation

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

2 August, 1991

Dr. G.F.W. Herngreen
Geological Survey of the Netherlands
P.O. Box 157
2000 AD Haarlem, Netherlands

Dear Colleague:

Over the years I have made very effective use (especially in teaching) of your marvellous article with Chlonova, "Cretaceous microfloral provinces."

Now I have an even more practical reason for writing! Do you have access to a sample that has at least moderately abundant specimens of the elater-bearing forms illustrated in Plate x, p. 493? I mean forms such as Elateroplicites, Elaterocolpites, etc. If not, could you refer me to a source? N.B.: my experience with getting things out of South American palynologists has been poor, but I'm willing to give it a try. However, an extra-South American source would probably work better! Best of all would be if Waldemar H. has a sample squirreled away, of which I could have 20 g.

I want to try some experiments with excised elaters.

Best.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

Hunt Institute for Botanical Documentation

September 23, 1968

Dr. J. Heslop-Harrison
Institute of Plant Development
University of Wisconsin
Madison, Wisconsin 53706

Dear Dr. Heslop-Harrison:

Your paper in Science, "Pollen Wall Development", was of considerable interest to me. For some years I have been taking an occasional crack at finding out more about the chemical nature of sporopollenin. Until I saw your paper, I was not aware of the Shaw-Yeadon work through some sort of bibliographic lapse on my part. The work I did when with Shell Oil Co. several years ago suggested that the stuff is basically a condensed carbohydrate. What I found is not really in conflict with Shaw-Yeadon, since they don't say what sort of thing they think their carboxylic acids came from. They call it a lipid fraction, but I think the jury is still out on whether it really is a lipid or not. I hadpplanned to publish my results, since they have been released by Shell now, but I am afraid that they will seem a bit dated at this point. I did give a paper on the subject at the recent AIBS meetings.

By the way, the information you quote regarding the concentration of pollen in oxidized North Dakota lignite (para. 1) should have been referred to me rather than to a secondary source.

Looking forward to meeting you some day, I am

Yours very truly,

Alfred Traverse
Associate Professor of Geology

AT:kwc

Hunt Institute for Botanical Documentation

Professor Dr. I. HESSLAND,

Geologiska Institutet
Universitet i Stockholm,

STOCKHOLM,
Sweden.

The Hague, 2nd December 1955.

Dear Dr. Hessland:

Your and Mrs. Hessland's fine hospitality in Stockholm was very much appreciated indeed. I enjoyed being shown around your facilities at the University (or whatever I should call it), and I believe I share with you the wish that we shall have an opportunity for future associations through our mutual interest in pre-Quaternary pollen research.

I had a very nice visit in Bergen with Professor Faegri. He is a mercurial personality, as I had expected. He is a fine technician, and, I think, a very good scientist. But I can see that he would be a very uncompromising adversary in any dispute. I think I now understand much more clearly some of the purely personal situations in Scandinavian palynology than I did before.

Thanks again for a very nice time.

Sincerely yours,

A. Traverse,
c/o M.V. DC B.P...,
GA/Pal.Lab.,
30, C.v. Eylandtlaan,
The Hague, Holland.

Hunt Institute for Botanical Documentation

To: "Dr. Carmen Heunisch" <c.heunisch@bgr.de>
From: Alfred Traverse <traverse@ems.psu.edu>
Subject: Re: Oktober ...
Cc:
Bcc:
Attached:

At 07:58 AM 7/7/99 +0200, you wrote:
>Lieber Alfred,
>vielen Dank, der Termin ist in Ordnung (wird es euch nicht zu lange?).

AT: Nein, es wird Spaß sein. Ich habe schon einen Briefwechsel mit Fred Rich über Deine Teilnehmung an der AASP Tagung gehabt, und ich habe für Dich vorläufig registriert, unter anderen für zwei Exkursionen. Ein davon wird Freitag Nachmittag dem alten Savannah-Ogeechee Kanal folgen ["magnificent southern coastal plain flora"] und die andere ist die Okefenokee Exkursion mit Alligatoren usw. Ich kann sie empfehlen. Fred Rich wird diese Exk. persönlich führen. Sie dauert einen ganzen Tag--Samstag. Wir werden Dich am nächsten (Sonntag) Morgen in Savannah abholen und die Reise nach PA anfangen. Betty und ich werden Freitag Nachmittag und Samstag das GA/FL Grenzgebiet untersuchen.

Es war interessant von Deinen Trias-Forschungen mehr zu erfahren. Ich habe nicht nur mit den Köppen Proben gearbeitet, sondern auch mit vielen Proben aus der Stuttgarter Folge, die ich mit der Hilfe von meinem Freund Prof. Kull gesammelt habe. Ich habe vor vielen Monaten dem Professor von Köppen einen Brief geschickt, um weitere Auskunft über AK zu bekommen--ich wünschte under anderen seinen Eltern einen Brief zu schicken. Ich habe auch gebeten, Bewilligung zu haben, weiter mit den Proben zu arbeiten. Ich bekam gar keine Antwort.

Was das Klimat betrifft, hier ist es seit zwei Wochen höllisch warm gewesen. 36 grad C. und mehr.

Eine Enkelin, Anna, aus Memphis, die 15 Jahre alt ist, besucht uns und hilft Betty im Labor.

Ich habe viel um die Rechtschr. Reform gelesen, und Schaarschmidt hat mir sogar ein Büchlein mit den Regeln geschicht. Ich würde gerne eine Kopie der Regeln für den O. D. haben. Es scheint uns ein gutes Beispiel von "fixing what ain't broke."

Genug für heute.

Hunt Institute for Botanical Documentation

To: "Dr. Carmen Heunisch" <c.heunisch@bgr.de>
From: Alfred Traverse <traverse@ems.psu.edu>
Subject: Re: Diesmal mit Anhang
Cc:
Bcc:
Attached:

At 12:57 PM 3/22/99 +0100, you wrote:
>Lieber Alfred,
>
>ich habe Deinen Brief erhalten und versuche jetzt, die Datei als Anhang zu
>schicken. Mal sehen ob es klappt.

Es hat geklappt. Ich bin sehr stolz, daß ich jetzt Anhänge bekommen kann--aber nur falls sie keine "graphics" enthalten.

Ich bemerke, daß Du jetzt meine E-mail Adresse gefunden hast. Wenn ich mich nicht irre, ist diese Adresse auf jedem E-Mail Brief von mir zu lesen.

Acetolyse für Pollen hat verschiedene Zwecke, die ich in Paleopalynology besprochen habe. Erstens, entführt diese Methode den Inhalt des Pollens. Zweitens, färbt die Methode die Exine. Drittens, sehr wichtig, zerstört sie die unerwünschten Pflanzenbestandteile. Man sammelt selten reinen Pollen, aber Blüten, Teile von Blütenstände usw. Deine Methode wäre nur für reinen Pollen nützlich, sogar wenn es keine anderen Einwände gibt.

Warum Nagellack so wirkt braucht natürlich erklärt zu werden. Vor vielen Jahren habe ich viele Substanze studiert, um mögliche neue "mounting media" (ich kann das nicht übersetzen--Hilfe!) zu entdecken. Ich erinnere mich, daß Polymethacrylate (dt.?) Exinen durchscheinend machte, aber nach ein paar Tagen wurde die Pollenkerne mehr oder weniger vollständig gelöst. Was besonders überraschend von Deiner Arbeit ist, daß der INHALT des Pollens gelöst scheint. Das ist mir sehr fremdartig. Man muß auch den Refraktiv Index des Lacks wissen. Du kannst über dieses Thema in Paleopalynology lesen. Es ist möglich, daß der Index teilweise dieses Phänomen erklärt.

Jezt habe ich es eilig. Betty singt heute Abend Bach mit der "State College Choral Society," und ich bin schon spät zum Abendessen.

Mit besten Grüßen
Dein Alfred

Hunt Institute for Botanical Documentation

From: "Dr. Carmen Heunisch" <c.heunisch@bgr.de>
Return-path: <c.heunisch@bgr.de>
To: "Alfred u. Betty Traverse" <bettyandal@juno.com>
Date: Mon, 15 Mar 1999 11:48:32 +0100
Subject: Antwort an juno
Message-ID: <000101be6ed1$5ef24af0$7868010a@n3pc3u.nlfb.bgr.de>
X-Status: Read
X-Mailer: Microsoft Outlook Express 4.72.3110.5

Lieber Alfred,

durch die Umstellung unseres Systems habe ich leider die komplette an=
dere
e-mail-Adresse nicht mehr.

Meine "neue" Methode ist ganz einfach: Wenn man rezente Pollen voelli=
g
unaufbereitet auf farblosen (fluessigen) Nagellack streut und mit ein=
em
Deckglas abdeckt, erscheinen sie vollkommen mazeriert, wie nach einer
kompletten Laboraufbereitung mit Eisessig, Acetolyse etc..
Wahrscheinlich ist das fuer dich nicht unbekannt. Ich habe es durch F=
aulheit
letztes Jahr entdeckt, als hier im Mai ein sehr starker Pollenflug he=
rrschte
und bei den Leuten wilde Vermutungen =FCber die Ursachen herrschten. =
Deshalb
habe ich eine Probe von meinem Briefkasten genommen. Damit die Pollen=
 nicht
wegfliegen, wenn ich sie unter dem Mikroskop anschaue, habe ich erst
Nagellack auf den Objekttraeger geschmiert und war dann voellig verbl=
uefft
(meine Kollegen hier uebrigens auch).

Herzliche Gruesse
Carmen

Dr. Carmen Heunisch
Nieders=E4chsisches Landesamt f=FCr Bodenforschung
Stilleweg 2
30655 Hannover
Tel.: 0511/643-2529
Fax: 0511/643-3667

Hunt Institute for Botanical Documentation

Ein „Sekundenkleber“ für Rezentpollen

Carmen Heunisch*

*Niedersächsisches Landesamt für Bodenforschung, Stilleweg 2, 30655 Hannover

Der außergewöhnlich starke Pollenflug im Mai 1998 führte zur Entdeckung einer neuen (?) Präparationsmethode für Rezentpollen:

Um ohne die zeitraubende Mazerationsmethode, die i.d.R. an BGR/NLfB Hannover zur Präparation von Rezentpollen angewandt wird, einen kurzen Überblick über den Inhalt einer willkürlich eingesammelten Pollenprobe zu bekommen, wurde farblo-ser Nagellack auf einen Objektträger gestrichen, darüber Pollen aus einem Proben-gläs-chen verstreut und mit einem Deckglas abgedeckt. Die sofortige Ansicht unter dem Durchlichtmikroskop ergab ein überraschendes Ergebnis: Alle Pollen waren durch-scheinend und erschienen mazeriert. Nur vereinzelt zeigten sich in den Luft-säcken dunkle Luftblasen.

Auch nach zehn Monaten hat sich das Bild nicht verändert, allerdings droht der Na-gellack auszutrocknen. Ein weiteres Präparat aus derselben Probe mit einem Nagel-lack einer etwas anderen Farbschattierung (glasklar, gegenüber leicht gelblich beim ersten Versuch) erbrachte ein vergleichbares Ergebnis. Verwendet wurde der preis-günstige Nagellack, der normalerweise zur Umrandung der Festpräparate herange-zogen wird.

Die Zeitersparnis bei dieser Art der Präparation beträgt gegenüber der herkömm-lichen Mazerationsmethode (Ansatz mit Eisessig, Acetolyse, Sieben etc.) drei Tage. Sie ist damit eine wirksame Methode zur Schnellerkennung von Pollen, ersetzt jedoch nicht die Mazerationsmethode zur Herstellung von Dauerpräparaten für Vergleichs-samm-lungen.

Hunt Institute for Botanical Documentation

From: Carmen Heunisch <carmen.heunisch@bgr.de>
Return-path: <carmen.heunisch@bgr.de>
To: Traverse <bettyandal@juno.com>
Date: Thu, 01 Oct 1998 08:16:52 +0200 (MST)
Subject: Neue Nachricht
Message-ID: <MAPI.Id.0016.003330346865756e3030304330303043@mapi.to.rfc822>
X-Status: Read

Hallo Alfred,

danke fuer die Tips. Ich kann uebrigens auch nicht im Internet surfen (ich scheitere immer an unserem "fire wall", da ich zu faul bin, mir eine Kennung zu besorgen).

Auf der Geo-Tagung in Berlin ist sicher auch Herr Bechstaedt. Dann bekomme ich auch die Adresse. Ich komme im Augenblick nicht an meine Unterlagen, da wir wegen Umbaumassnahmen unsere Arbeitszimmer nicht benutzen koennen, es ist alles verstellt und durch Folien verdeckt.

Der derzeitige Vorsitzende der APP ist Hans Kerp in Muenster. Wir treffen uns naechste Woche in Berlin. Dort wird auch beschlossen, wann und wo die naechste APP-Sitzung ist, moeglicherweise in Muenster.

Schreibe

Den "Knopf" kenne ich nicht, tut mir leid. — reply to sender · don't include text of message in reply

Den Termin fuer einen Besuch finde ich gut, ich werde das im Auge behalten.

Fuer heute herzliche Gruesse

Carmen Heunisch

Hunt Institute for Botanical Documentation

From: Carmen Heunisch <carmen.heunisch@bgr.de>
Return-path: <carmen.heunisch@bgr.de>
In-Reply-To: <19980929.153212.7887.2.bettyandal@juno.com>
To: "Alfred or Elizabeth I. Traverse" <bettyandal@juno.com>
Date: Wed, 30 Sep 1998 08:41:56 +0200 (MST)
Subject: AW: Koeppen, etc.
Message-ID: <MAPI.Id.0016.003330346865756e3030304330303043@mapi.to.rfc822>
References: Conversation <19980929.153212.7887.2.bettyandal@juno.com>
X-Status: Read

Lieber Alfred,

vielen Dank fuer die schnelle Antwort. Warum "das Abstract"? Man kann auch "der Abstract" sagen, nur nicht "die" (waere dann "die Zusammenfassung"). Moeglicherweise sind die Abstracts auch ueber Internet zu bekommen (ich denke, "geologie.uni-halle.de" waere die richtige Adresse - natuerlich mit dem ueblichen Vorspann). Aber, ich schicke es Dir per "snail mail".

Versuch Bechstaedt Adresse zu finden — sa Kreibe

Es gibt nur eine Dienstadresse von A. Koeppen; Th. Bechstaedt ist Prof. in Heidelberg - die Adresse kennst Du. Eine e-mail Adresse von Bechstaedt kannst Du eventuell auch ueber Internet bekommen (Univ. Heidelberg), die habe ich leider nicht.

Wann ich Euch besuche? Vielleicht im naechsten Jahr?? Dieses Jahr war ich fuer (zu) kurze Zeit in England und Irland, dann noch ein paar Tage im Ferienhaus von Jane und Jens Lund an der daenischen Ostseekueste. Naechste Woche ist eine grosse Geo-Tagung in Berlin (1.400 Anmeldungen). Auch der Arbeitskreis Palaeobotanik/Palynologie tagt dann dort. Mal sehen,
was es dort neues gibt.

Bis bald und herzliche Gruesse!

Carmen

> Liebe Carmen,
>
> gut zu wissen, dass die Tagung in Halle so erfolgreich gegangen ist.
>
> Ja, ich moechte ein Abstract (nicht "Zusammenfassung"?--und ich lernte
> obendrein, dass es DAS Abstract ist--warum?) von Koeppen und Bechstaedt
> haben. Wenn ich mich nicht irre, ist B. der Professor von Koeppen.
> Kannst Du das bestaetigen--und mir seine Adresse schicken? Vielleicht
> steht die Adresse auf dem Abstract. Ich moechte natuerlich jemandem
ein
> Zeichen meiner Trauer schicken. Andreas K. war fast eine Woche bei uns
> gewesen. In meinem Obstgarten hat er sogar viele Pfirsiche geerntet
als
> er auf dem Land bei uns zu Gast war. Ich habe immer geplant meine
> Forschungen mit seinen Proben weiter zu fuehren. Ich moechte auch das
> mit dem Professor besprechen. Es tut mir wirklich leid diese
> schrecklichen Nachrichten zu bekommen. Vielleicht darf ich auch seinen
> Eltern einen Brief schicken.
>
> Ich habe Dich wahscheinlich vorher informiert, dass ich diesen Sommer
> meine Arbeitszimmer an der Uni ausraeumen musste. Die Situation ist
> jetzt ein bisschen besser. Wir haben ein neues Zimmer an dem Haus in
> Huntingdon Co. bauen lassen, um mir einen Arbeitsplatz zu geben. Ich

Hunt Institute for Botanical Documentation

From: Carmen Heunisch <carmen.heunisch@bgr.de>
Return-path: <carmen.heunisch@bgr.de>
To: Traverse <bettyandal@juno.com>
Date: Mon, 28 Sep 1998 09:02:34 +0200 (MST)
Subject: Trias-Symposium, Halle
Message-ID: <MAPI.Id.0016.003330346865756e3030304330303043@mapi.to.rfc822>
X-Status: Read

Hallo Alfred,

letzte Woche fand in Halle das Epicontinental Triassic
Int. Symposium statt. Es waren etwa 200 Leute da, auch
einige Palynologen (E. Schulz, Lund, Riegel, Warrington, ich, Feist-=
Burkhardt,
Kozur, Fijalkowska-Mader, einige Osteurop=E4er). Im gro=DFen und ganz=
en war die
Tagung interessant.

Es war auch ein Vortrag angekuendigt von A. Koeppen und T. Bechstaedt=
:
An Insight into the Upper Triassic (Carnian) Central European Facies =
Distri-
bution. Im Abstract wird auch erwaehnt, dass Palynologie gemacht wurd=
e.
Wenn Du willst, kann ich Dir das Abstract schicken.

Jetzt kommt das wenig erfreuliche: Herr Koeppen konnte den Vortrag ni=
cht
halten. Er war im August in Norwegen toetlich mit dem Auto verungluec=
kt. Es
war fuer alle, die ihn kannten, ein ziemlicher Schock.

Soweit fuer heute

Ich hoffe, es geht Euch gut!!

Herzliche Gruesse

Carmen

Hunt Institute for Botanical Documentation

From: Carmen Heunisch <carmen.heunisch@bgr.de>
Return-path: <carmen.heunisch@bgr.de>
To: Traverse <bettyandal@juno.com>
Date: Mon, 08 Jun 1998 11:11:13 +0200 (MST)
Subject: Vielen Dank!
Message-ID: <MAPI.Id.0016.003330346865756e3030304330303043@mapi.to.rfc822>
X-Status: Read

Lieber Alfred,

gerade habe ich Deinen Brief und das schoene Buch erhalten. Vielen Da=
nk! Ich habe mir die Ausstellung in G=F6ttingen angesehen, bei W. Rie=
gels Verabschiedung. Wenn wir es noch nicht in der Bibliothek haben, =
werde ich es der Allgemeinheit zur Verfuegung stellen (nachdem ich es=
 gelesen habe).

Hast Du jetzt die Palynologie zugunsten der Forstwirtschaft aufgegebe=
n? Es hoert sich an, als ob Du einen ganzen Wald pflanzt. Das macht v=
iel Arbeit. Hier ist z.Z. (Frueh-)Sommer. Am Wochenende hatten wir au=
ch ca. 34 =B0 C und dazwischen kraeftige Gewitter mit Hagelschlag. Es=
 gab grosse Ueberschwemmungen (vorwiegend Keller und Stra=DFen).

Vielleicht habt Ihr von dem grossen Zugunglueck gehoert, das in der N=
aehe von Hannover stattgefunden hat, mit ca. 100 Toten. Am Wochenende=
 war ich mit dem Zug bei meinen Eltern - es war sehr anstrengend, da =
jetzt alle Zuege der "1. Generation der ICE" ueberprueft werden und =
teilweise nicht mehr fahren duerfen, bis geklaert ist, ob alles in Or=
dnung ist. So konnte ich das Wochenende "in vollen Zuegen geniessen".

Herzliche Gruesse - natuerlich auch an Betty

Carmen

Hunt Institute for Botanical Documentation

From: Carmen Heunisch <carmen.heunisch@bgr.de>
Return-path: <carmen.heunisch@bgr.de>
Reply-To: carmen.heunisch@bgr.de
To: Alfred Traverse <bettyandal@juno.com>
Date: Fri, 13 Feb 1998 08:17:23 +0100
Subject: Hoffentlich leserliche Antwort
Message-ID: <34E3F383.3F81@bgr.de>
X-Status: Read
X-Mailer: Mozilla 3.01 [de] (Win16; I)

Lieber Alfred,

vielen Dank fuer die prompte Antwort. Ich werde mich bemuehen, leserlich zu schreiben. Ich weiss, wie muehsam das Entziffern dieser Texte ist, vor allem auch, wenn man sie weiter bearbeiten muss, ist das ein Geduldspiel.

Die Trias-Tagung in Halle findet statt vom 21. - 23.09. Naehere Informationen sind zu erhalten ueber: trias@uni-halle.de oder Internet: www.geologie.uni-halle.de/trias/trias.html

An Trias Palynologen/-botaniker wollen oder werden kommen: Anderson, Ash, Dobrushkina, Feist-Burkhardt, Gomolitzky, Grauvogel-Stamm, Hartkopf-Froeder, Herbst, Heunisch, Ilyina, Kanev, Kelber, Kotanski, Loeffler, Lutz, Mami, Petrunova, Riegel, Rovnina, Schulz, Taylor (2x), Tiwari, Vijaya, Warrington, Weber, Wilde, Wierer, Yaroshenko, Zavatieri.

Diese Liste habe ich aus Halle erhalten.

Also, ueberlegt es Euch!

Herzliche Gruesse

Carmen

Hunt Institute for Botanical Documentation

From: bettyandal
Full-Name: Alfred or Elizabeth I. Traverse
To: carmen.heunisch@bgr.de
Subject: =FC usw.
X-Status: New

Liebe Carmen,

dass ist sehr freundlich und "it's a deal"--falls wir zur Zeit der Ausstellung noch lebendig und gesund sind, werden wir uns rechtzeitig vorher melden und vielleicht 2 Naechte mit Dir verbringen. Ich habe diese Welt Ausstellungen sehr gern. Das erste Mal war Chicago ("A Century of Progress"), 1932. Ich war sieben Jahre alt.

Es ist wahrscheinlich unhoeflich, aber ich muss berichten, dass Dein Email System mit Umlauten und sz mit diesem Computer nicht zu empangen ist, und das koennte auch mit anderen Computern ein Problem sein. ue (d. h. u mit Umlaut) bekommt man als: =FC, ss ist =DF, ae ist =E4, usw. Also, "mu=DF man jetzt h=E4ufig" bedeutet: " muss man jetzt haeufig" "Ihr m=FC=DFt nur rechtzeitig den Termin f=FCr Eure Besuch..." kann man leicht lesen, aber es ist ein bisschen komisch--auch " . . . es k=F6nnte f=FCr Dich interessant...."

Das erinnert mich an die Tagung fuer September. September ist fuer uns schwierig, weil wir unser Haus in den Adirondackbergen dann jedes Jahr besuchen muessen.
Darf ich weiter Auskuenfte ueber diese Tagung haben? Genaue Datum usw.

mit besten Gruessen, oder wie Dein Computer es ausdrucken wuerde:
Gr=FC=DFen (wie unsere Komiker sagen, "I am not making this up.")

Dein Alfred

Hunt Institute for Botanical Documentation

From: Carmen Heunisch <carmen.heunisch@bgr.de>
Return-path: <carmen.heunisch@bgr.de>
Reply-To: carmen.heunisch@bgr.de
To: Alfred Traverse <bettyandal@juno.com>
Date: Thu, 12 Feb 1998 08:58:48 +0100
Subject: Antwort
Message-ID: <34E2ABB8.6CA7@bgr.de>
X-Status: Read
X-Mailer: Mozilla 3.01 [de] (Win16; I)

Liebe Betty und Alfred,

vielen Dank f=FCr den ausf=FChrlichen Brief mit dem Reisebericht. Ihr= habt
viel gesehen.

Nat=FCrlich k=F6nnt Ihr bei Eurem Expo-Besuch bei mir =FCbernachten, = das ist
gar kein Problem - Ihr m=FC=DFt nur rechtzeitig den Termin f=FCr Eure= n Besuch
mitteilen. Hannover und das Umland ist z.Z. eine einzige Baustelle. W= enn
man irgendwohin will, mu=DF man jetzt h=E4ufig die doppelte Fahrzeit
einplanen.

Frau Golombek geht es wie immer. Sie ist z.Z. wieder arbeitslos. Ich
habe sie vor ca. 4 Wochen in G=F6ttingen auf dem Verabschiedungskollo= quium
f=FCr W. Riegel getroffen, sie ist dann mit uns nach Hannover
zur=FCckgefahren.

Der Fahrer war Helmar Achilles, den Du vermutlich auch kennst. Er hat
mit Frau Golombek auch einige Erfahrung. Als er mit seiner Familie vo= n
der Firma aus (BEB) in Holland war, ist sie nach kurzer Zeit bei ihm
aufgetaucht (mit Begleiter) und einige Tage geblieben. Danach hat sie
sich nicht mehr gemeldet. Sie hat jetzt vor, den Kontakt zur Familie
Achilles wieder aufleben zu lassen - Achilles gehen im April f=FCr 4 =
- 6
Jahre nach USA (Dallas).

Ansonsten - nicht viel Neues. Z.Z. arbeite ich haupts=E4chlich im
Buntsandstein und Unterem Jura.

Herzliche Gr=FC=DFe - und bis bald

Carmen

Wie sieht es aus mit einem Besuch der Trias-Tagung in Halle (Septembe= r)?
Es haben sich schon einige Trias-Palynologen und Pal=E4obotaniker
angemeldet, es k=F6nnte f=FCr Dich interessant werden.

Hunt Institute for Botanical Documentation

Alfred Traverse
Embassy Park 509
16416 US.19.N
Clearwater, FL 33764
USA

e-mail: bettyandal@juno.com

3.Februar 1998

Dr. Carmen Heunisch
Niedersächsisches Landesamt für Bodenforschung
Postfach 510153
30631 Hannover
Deutschland

Liebe Carmen,

Betty und ich verbringen Jan.-Feb. in Florida. Alle Post usw. (auch Email) wird hierher weitergeschickt, aber Deine Weihnachtsgrüße sind erst gestern angekommen. Ich habe das Foto sehr gern, und Deine Notiz auf der Rückseite des Briefes war sehr lieb. Komisch, daß er nicht früher angekommen ist.

Unsere Reise ist prima gegangen. Wir haben zuerst Freiburg besucht, obwohl sie nicht in der ehemaligen DDR liegt. Wir haben es nie vorher besucht. Frau Dr. Leppig und Herr Montenari, die Palynologen, haben uns alles gezeigt, sogar Schauinsland. Ich habe mich nicht erinnert, dass Storch, der Paläobotaniker, auch in Freiburg arbeitet. Er war später mit mir ziemlich böse.

Dann haben wir meinen guten Freund, Ulrich Kull, und seine Frau in Stuttgart besucht. Dann war Eisenach an der Reihe, und das war sehr interessant, besonders die Wartburg. Dann Erfurt, Naumburg, Weimar. Von diesen war die letzte besonders interessant. Dann Leipzig. Der Bahnhof unglaublich groß und imposant. Gute Restaurants. Völkerschlachtdenkmal und Umgebung, besonders die russische Kirche, interessant--wir sind zu Fuß gegangen. Dann Potsdam. Wir haben Potsdam sehr gern. Sanssouci wunderbar, und auch das Neue Palais, usw. Dann haben wir Friedemann und Rose Schaarschmidt in der Rostock Umgebung besucht. Bad Doberan (wunderbarer Backsteindom), Warnemunde, Rostock, und viel mehr haben wir mit unseren alten Freunden in Mecklenburg-Vorpommern erlebt. Dann am Ende zwei Tage in Frankfurt, um den neuen Direktor des S. Museums kennenzulernen, Volker Wilde zu besuchen, Bettys Kirchengenossen/-innen zu besuchen, endlich Birgit Nickel und Familie auf dem Land in der Nähe von Marburg zu besuchen.

Falls wir die große Ausstellung zu Hannover besuchen, dürfen wir wir mit Dir übernachten? (Es könnte schwierig sein, Unterkunft zu finden.) Das erinnert mich, was ist mit dem "Eulchen" (aka Golombek) geschehen? Wir haben nichts seit Jahren gehört.

Hunt Institute for Botanical Documentation

Hier in Florida arbeite ich mit einem Devon Problem. Ich habe die Daten mitgebracht. Mittlerweile arbeitet Betty mit ihren germanistischen Studien--ihr Buch über Neidhart von Reuental wurde endlich in Deutschland publiziert.

Wir möchten mit Dir immer in Verbindung bleiben und wir wünschen Dir alles Gute für 1998!

mit besten Grüßen
Dein

Alfred Traverse
Professor Emeritus of Palynology

Hunt Institute for Botanical Documentation

To: carmen.heunisch@bgr.de
From: traverse@ems.psu.edu (Alfred Traverse)
Subject: verschieden
Cc:
Bcc:
X-Attachments:

Liebe Carmen,

besten Dank für die Gesundheitswünschen. Ja, die Operation ist gut gegangen, obwohl die Hand und Handgelenk fünf Wochen später noch sehr empfindlich sind. Vor 21 Jahren, als die andere Hand operiert worden ist, war ich nach drei Wochen 100%. Hmmm. Es hat mir keineswegs geholfen, dass dieses Mal vor zwei Wochen die gesunde Hand von einer Spinne gestochen wurde. Die Hand schmerzt noch, aber ich kann sie mehr oder weniger normal bewegen. Am Anfang war sie fast total gelähmt, geschwollen, entzündet, schmerzlich. Wenn man auf dem Land wohnt, muss er mit Spinnen rechnen.

Wir haben nur 2.5 Wochen Thüringen, Sachsen, Brandenburg und Vorpommern zu besichtigen. Ein Abstecher nach Niedersachsen stimmt nicht mit dem Reiseplan, obwohl Dich zu besuchen eine gross Versuchung ist. Wir werden nächstes Jahr auch Deutschland besuchen, und das wäre eine bessere Gelegenheit für ein CH/T Treffen? ABER du bist an der Reihe UNS zu besuchen, und das wäre für uns viel Spass.

Die Nachrichten über Deine Situation ist eine gemischte Tasche ("a mixed bag"), wie wir sagen. Die unterste Linie ("bottom line") für Dich scheint mir allerdings ziemlich gut, besonders weil Du begabt und fleissig bist. Ich hoffe noch, dass wir gemeinsam etwas im Trias unternehmen können. Als Mitarbeiter habe ich jetzt viele Vorteile--ich kann reisen wann immer es mir gefällt. Ich brauche keine finanzielle Hilfe. usw.

Ich habe in letzter Zeit mein Mikroskopie-Labor verloren. Ich könnte bald auch die anderen Zimmer verlieren. Wir haben daher zwei verteidigende Schritte genommen. Erstens haben wir ein "condo" (wie das auf Deutsch heisst habe ich keine Ahnung--es bedeutet eine Wohnung in einer Grosswohnung die man besitzen statt mieten kann) in State College gekauft, wo wir arbeiten können. Zweitens haben wir mit einem Bauunternehmer arrangiert, einen Anbau bei unserem Haus auf dem Land bauen zu lassen. Er wird das Mikroskopie-Labor ersetzen.

Letztlich möchte ich sagen, dass Universaldilletanten nicht so schlimm sind. Du solltest jedoch keineswegs mit Ostracoden arbeiten. Meine Güte!

Besten Grüssen, auch von Betty (die momentan unseren Sohn und Familie in Binghamton, NY, besucht)

Dein
Alfred

Hunt Institute for Botanical Documentation

Date: Tue, 26 Aug 1997 08:26:41 -0700
From: Carmen Heunisch <carmen.heunisch@bgr.de>
Reply-To: carmen.heunisch@bgr.de
Organization: NLfB
To: traverse@ems.psu.edu
Subject: Danke

Lieber Alfred,

vielen Dank für Deinen Brief und die Sonderdrucke! Leider kann ich mich z.Z. nicht revanchieren.

Hoffentlich hast Du Deine Operation gut überstanden. Jedenfalls: Gute Besserung.

Wenn Ihr im Oktober die "Neuen Bundesländer", wie Ostdeutschland bei uns auch heißt, besucht, ergibt sich vielleicht eine Möglichkeit zu einem Treffen.(?).

Von mir gibt es sonst nicht viel Neues. Ich habe viel zu tun. Inzwischen ist die Palynologie des Mesozoikums, die hier fast 25 Jahre lang nicht betrieben wurde (seit Mädler in Pension ging), fest etabliert. Neben Auftraggeber im hiesigen Amt kommen Anfragen aus vielen Teilen Deutschlands. Daneben muß ich auch noch andere Aufgaben wahrnehmen, so bin ich jetzt z.B. Kustodin für die Sammlungen des Amtes in Hannover.

Ende September geht ein Kollege (Ostracodenspezialist für Jura und Tertiär) in Pension. Nach den Vorstellungen meiner Vorgesetzten soll ich zumindest dann auch noch die Ostracoden des Tertiärs bearbeiten. Aber, das ist unmöglich. Ich hoffe, daß sie es begreifen. Alle freiwerdenden Stellen werden nicht mehr besetzt, die Arbeit soll aber nicht darunter leiden. In ein paar Jahren gibt es dann nur noch "Universaldilletanten" statt "Fachidioten", schöne Aussichten.

Herzliche Grüße an Betty und Dich

und: gute Reise!

Carmen

Hunt Institute for Botanical Documentation

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21.Mai.97

Dr. Carmen Heunisch
Niedersächsisches Landesamt für Bodenforschung
Stilleweg 2
D30655 Hannover, Deutschland

Liebe Carmen,

Deine Notiz von ungefähr Ostern (mit einer schönen Zeichnung eines Ostereis) und die sehr interessante Publikation sind tatsächlich während der Italienreise angekommen. Seit unserer Rückkehr sind wir sehr beschäftigt gewesen. Ich habe erst gestern den Artikel gelesen. Was für eine wunderbare Gelegenheit, jenen Aufschluß von so vielen Standpünkten zu untersuchen. Ein sehr seltenes Stück Arbeit. Hast Du die Paläobotanik und die Megasporen auch untersucht? Schöne Farbfotos. Tafeln 13-14 werde ich zweifellos später benutzen--ein paar sind leider ziemlich dunkel. Besten Dank.

Meine letzte drei Veröffentlichungen schicke ich Dir als Beilage.

Nächste Woche werden Betty und ich wieder unterwegs sein--nach Harvard für die fünfzigste Jahresfeier der Klasse von 1947. (Ich habe den S.B. frühzeitig 1946 verdient, da ich Herzprobleme gehabt habe und konnte nicht im Militär dienen. Das Problem, das noch anwesend ist, hat wahrscheinlich mein Leben gerettet. Verschiedene Freunde aus der Klasse wurden 1944-45 in Europa und auf Pazifikinseln getötet.) Dann kommen wir für eine Woche zurück. Dann werden wir unser Sommerhaus in den Adirondackbergen besuchen und kommen gegen 23 Juni wieder zurück. In Juli muß ich eine Operation (carpel tunnel syndrome--ich habe keine Ahnung wie das auf Deutsch heißt) haben--nicht so schwer. Nächsten Oktober planen wir Deutschland zu besuchen--wir möchten die neuen Bundesländer angucken--die Pläne sind noch sehr vorläufig. Vorher haben wir nur Dresden, als sie noch ein Teil der DDR war, besucht.

Vielen Dank für den sehr brauchbaren Artikel. Schöne Grüße.

Dein Alfred

[Professor Emeritus of Palynology]

Anlagen

Hunt Institute for Botanical Documentation

From: carmen.heunisch@bgr.de
Date: Wed, 5 Mar 1997 07:42:30 +0200
To: traverse@ems.psu.edu
Subject: Nor/Rhaet
X-Vms-To: SMTP%"traverse@ems.psu.edu"

Lieber Alfred,

vielen Dank - auch im Namen von Jens fuer Deine Antwort. Es hat sich jetzt noch eine Frage ergeben: Du schreibst von "our paper" und "we published". Kannst Du uns das Zitat (und wenn es nicht ganz unverschaemt ist) auch Sonderdrucke dieser Arbeit schicken?

Ich werde Dir in den naechsten Tagen einen Sonderdruck (Keuper Norddeutschland) schicken und wuerde das gern auch an Sarah Fowell tun. Koenntest Du mir bitte die Adresse geben? Danke.

Herzliche Gruesse

Carmen

Hunt Institute for Botanical Documentation

To: carmen.heunisch@bgr.de
From: traverse@ems.psu.edu (Alfred Traverse)
Subject: Pub. usw.
Cc:
Bcc:
X-Attachments:

Liebe Carmen,

erstens, das Zitat: Rev. Palaeobot. Palynol. 86:211-233 (1995).

Zweitens, muss ich um Verständnis bitten. Ich schicke Sonderdrücke nur gelegentlich, meistens wenn ich jemandem einen "snail mail" Brief schicke. Dies Publikation ist Nr. 66. Ich habe, so meine Karteikarte für Dich, Dir nur bis 65 über den grossen Teich gesandt. Ich werde heute für Dich Nr. 66-69 in die Post werfen.

Mit Jens bin ich, meine Güte, viel schlechter im Verzug geraten. Könntest Du mir informieren, wo er jetzt tätig ist? Ich habe eine Adresse in Wietze, aber das ist viel Jahre her. Ich werde ihm was ich noch habe schicken. Seine letzte Nummer von mir war 47.

Ich habe Dir Sarahs e-mail Adresse geschickt, gel? Die normale Adresse ist: Dr. Sarah J. Fowell ("fohl" ausgesprochen)

Lamont-Doherty Geological Observatory
Columbia University
Palisades, NY 10964, USA

In zwei Wochen fliegen Betty und Ich nach Italien. Wir hoffen in drei Wochen dort viel zu erfahren. Wir werden am 17 April zurück sein.

mit besten Grüssen

Dein Alfred

Hunt Institute for Botanical Documentation

To: carmen.heunisch@bgr.de
From: traverse@ems.psu.edu (Alfred Traverse)
Subject: Triassic palynology
Cc:
Bcc:
X-Attachments:

Liebe Carmen.

das Wochende hat meine Arbeit unterbrochen. Ich möchte jetzt Deine Notiz vom 19.II beantworten.

Inzwischen habe ich Deine Frage auch mit Sarah Fowell besprochen. Hier ist unsere Antwort:

P. densus is found all the way up to the Tr/Jr boundary in the Newark Supergroup, as well as in some Norian/Rhaetian sections in Italy. We didn't find C. secatus in the Fundy material on which we published. Perhaps Jens is interpreting some of our verrucate Spheripollenites as C. secatus? They aren't.

C. torosa and C. murphyae are indicative of Norian (or younger). Also, we have some new monosulcates which have thus far only been found in the supposed latest Tr of the Newark Supergroup. They are new species in our paper.

Lastly, there is no evidence of a hiatus between the sedimentary rocks and the overlying basalt flow, dated at 20l Ma. The basalt flow is only l m above the highest palynoflorule.

Sarah ist nicht deutschsprachig. Ich hätte unsere Besprechung übersetzen können, aber das hat keinen Sinn.

Falls Du direkt mit Sarah korrespondieren möchtest: sjf@ldgo.columbia.edu.

mit besten Glückwünschen

Dein Alfred

Hunt Institute for Botanical Documentation

From: carmen.heunisch@bgr.de
Date: Wed, 19 Feb 1997 13:27:21 +0200
To: traverse@ems.psu.edu
Subject: Argana Basin, Marocco
X-Vms-To: SMTP%"traverse@ems.psu.edu"

Hallo Alfred,

bei mir ist gerade Jens Lund zu Besuch. Er hat eine Frage bezueglich der Einstufung des Argana Basins. Im Vortrag Fowell, Traverse ... wurde die Mikroflora ins Nor eingestuft. Die bisher bekannte Reichweite der charakteristischen Formen (Camerosporites secatus, Patinasporites densus ist normalerweise Karn. Gibt es sichere Hinweise, dass es sich tatsaechlich um norische Vorkommen handelt?

Herzliche Gruesse (und Danke fuer die Porcellispora-Information)

Carmen

Hunt Institute for Botanical Documentation

To: carmen.heunisch@bgr.de
From: traverse@ems.psu.edu (Alfred Traverse)
Subject: Trias u.s.w.
Cc:
Bcc:
X-Attachments:

Liebe Carmen,

entäuschend, dass Du uns nicht bis 1998 besuchen kannst.

Thema: Porcellispora in Nord Amerika. Man sollte eigentlich nie "niemals" sagen. Nichtsdestweniger muss ich zugeben, dass ich die verschiedenen Listen die meine Schüler und ich gemacht haben kontrolliert, ohne jeden Spur von dieser Gattung zu finden. Ich habe auch natürlich die Literatur kontrolliert, um Bilder dieser Spore anzugucken.
Könnte es sein, dass wir solche Exemplare als Carnisporites identifiziert haben? Carnisporites sollte nicht echinat sein, aber wir haben echinat Sporen als C. bezeichnet. Hmmm.

Die Arbeit mit/für Köppen ist nicht fertig. Ich habe zu viel andere Arbeit tun müssen. Ich habe auch viele Proben aus der Stuttgarter Folge gesammelt und vorbereitet aber nur teilweise untersucht. Herr Wille habe ich nie kennengelernt. Es wäre schön wenn wir alle drei über diese Arbeit treffen könnten.

Ja, im Ruhestand darf ich mehr Spass eigentlich haben. Wir reisen oft und weit, zum Beispiel.

mit besten Grüssen

Dein Alfred

Hunt Institute for Botanical Documentation

From: carmen.heunisch@bgr.de
Date: Wed, 12 Feb 1997 13:37:54 +0200
To: traverse@ems.psu.edu
Subject: rueckmeldung
X-Vms-To: SMTP%"traverse@ems.psu.edu"

Liebe Betty und Alfred,

vielen Dank fuer die mail und die Einladung. Entschuldigt bitte meine "lange Leitung". Mit einem Besuch im Fruehjahr wird es nichts werden (Geld, Krankheit in der Familie), aber ich hoffe, dass es vielleicht naechstes Jahr klappt.

By the way...: Gibt es in der nordamerikanischen Trias Porcellispora longdonensis? (Ich glaube, ich habe das vor langer Zeit schon einmal gefragt). Ist Deine Arbeit mit Herrn Koeppen fertig? Es waere interessant, weil ich gerade auch im Keuper von Baden-Wuerttemberg arbeite. Sehr fleissig ist auch Herr Wille in Tuebingen. Kennst Du ihn?

Fuer heute herzliche Gruesse

und viel Spass am Ruhestand!

Carmen

Hunt Institute for Botanical Documentation

To: carmen.heunisch@bgr.de
From: traverse@ems.psu.edu (Alfred Traverse)
Subject: Verbindung
Cc:
Bcc:
X-Attachments:

Liebe Carmen,

mal sehen, ob es klappt oder nicht. Ich möchte auch erwähnen wie viel Deine Karte uns gefallen hat. Ja, es ist jetzt vielleicht besser im Ruhestand zu sein! Betty und ich sind mit Reisen und Forschungsprojekten sehr beschäftigt und sind auch so weit sehr gesund. Wir sind daher natürlich sehr glücklich. Du brauchst dringend Ferientage und könntest uns zum Beispiel besuchen. Da es momentan -20 C. ist, wäre es besser bis Mai zu warten.

Wir wünschen Dir alles Gute für 1997. Dein Alfred.

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16.April 1995

Frau Dr. Carmen Heunisch
Niedersächsisches Landesamt für Bodenforschung
Postfach 510153
D-30655 Hannover, Deutschland

Lieber Carmen:

ich habe Deine Osterkarte tatsächlich am Ostern bekommen. Vielen Dank. Ich schreibe am Ostern Nachmittag im Arbeitszimmer, nach die Enkelkinder die "Easter Egg Hunt" erlebt haben. Es geht dem neuen Baby sehr gut.

Deine neue Privatadresse passt nicht so gut mit dem Osterhase zusammen. Friedemann S. wohnt auch in dem Sachsenring. Muß eine furchtbare lange Straße sein.

Vielen Dank für die Einladung. Es könnte geschehen. Wir haben mit unserer Liebe für Deutschland und die Deutsche, auch ihren Reiselust eingesogen. Du bist natürlich bei uns IMMER willkommen. V. Wilde kann bestätigen, daß wir gastfreundlich sind. Es gibt vielen interessanten Sachen in der Umgebung, und auch uns natürlich.

Herr Köppen hat mich endlich geschrieben, und es ist klar, obwohl nicht erwähnt, daß Du verantwortlich bist. Ich hoffe, diese Arbeit weiter zu führen. Vielleicht sollte ich ihn nächsten Sommer besuchen. Das kommt darauf an.....

mit besten Grüßen, auch von Betty

Dein

Alfred Traverse

Hunt Institute for Botanical Documentation

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13.März 1995

Frau Dr. Carmen Heunisch
Niedersächsisches Landesamt für Bodenforschung
Stillweg 2
Postfach 510153
D-30655 Hannover, Deutschland

Liebe Carmen,

wir haben im Augenblick ziemlich wichtige Nachrichten: 1. Betty hat letzte Woche ihre Dissertation über Neidhart von Reuenthal erfolgreich verteidigt und wird sich am 12.Mai promovieren.; 2. Unser siebentes und wahrscheinlich letztes Enkelkind, Julia Pearle Lerner, ist vorgestern geboren. Es geht Mutter und Kind gut.

Ich schreibe, da Du mir vielleicht helfen könntest. Wie Du weißt, habe ich vor zwei Jahren ein Trias-Projekt mit Herrn Köppen, einem Doktoranden in Heidelberg, angefangen. Leider habe ich 1994 viele Probleme gehabt--andere Projekte die mehr dringend gewesen sind, Handlungen um meinen Ruhestand, usw. Ich bin daher mit dem Köppen Projekt im Verzug geraten. Nichtsdestoweniger haben wir fast alle Proben vorbereitet, und ich habe auch viele Zeit mit den Objektträgern verbracht. Ich weiß, daß Herr Köppen mit mir enttäuscht war. Jetzt bin ich imstande mit dem Projekt Fortschritte zu machen, aber Herr Köppen beantwortete meine letzten Briefe nicht. Ich habe so viele Zeit und Bemühungen investiert, daß ich diese Forschungen nicht gerne aufgeben würde, aber ohne K.s Hilfe wäre es unmöglich weiter zu gehen. Könntest Du untersuchen, ob er noch lebendig ist und mich beraten, was ich tun sollte? Ich habe viele Erfahrung mit dem Trias und bin überzeugt, daß ich mit diesen (ungefähr 120) Proben gute Korrelationen machen könnte, obwohl es ganz wahr ist, daß meine vorläufige Vorschläge sehr oberflächlich gewesen sind. Ich könnte nächsten Sommer sogar Heidelberg besuchen, wenn es hilfreich wäre.

mit besten Grüßen, auch von Betty

Dein

Alfred Traverse

Hunt Institute for Botanical Documentation

Hannover, 03.04.95

Lieber Alfred,

zunächst einmal viele Dank für die beiden Briefe und herzliche Glückwünsche zu Betty zur Promotion und zu Eurem Enkelkind.

Viele Dank auch für die Sonderdrucke. Ich kann sie gebrauchen.

Was die Adresse anbetrifft: beide Anschriften sind richtig. Du hast also die Wahl.

Meine neue Privatadresse lautet:

Sachsenring 13
29339 Wathlingen

Tel.: 05144/92321

Hier habe ich jetzt auch ein Gästezimmer. Ihr seid also herzlich willkommen. Vielleicht klappt es meinerseits nächstes Jahr mit einer USA-Besuch 2. Mal sehen.

Herrn Köppen habe ich geschrieben, mit der dringenden Bitte, sich zu melden. Falls er das bis Ostern nicht getan hat, werde ich versuchen, ihn anzurufen. Ich hoffe, daß ich Erfolg habe werde. Es wäre schade um die viele Arbeit, die Du investiert hast.

Ansonsten gibt es keine großen Neuigkeiten. Es geht alles seinen gewohnten Gang.

Jetzt wünsche ich Euch noch ein frohes Osterfest im Kreis Eurer Familie

Herzliche Grüße

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23.Dezember 1994

Dr. Carmen Heunisch
Niedersächsisches Landesamt für Bodenforschung
Stillweg 2
D-30655 Hannover
Deutschland

Liebe Carmen,

Deine wunderbare Karte "Winterwald" ist gestern am letzten Tag des Semesters angekommen. Ich bedanke mich herzlich. Heute ist die Universität geschlossen, aber ich muß endlich mit der Post ein bisschen arbeiten und ich bin daher fast der einzige Mensch im Gebäude. Der letzte Monat des Herbstsemesters ist immer sehr schwierig, weil meine Palynologie-Klasse stattfindet, und alles geht sehr anstrengend fast durch Dezember zum Ende. Gleichzeitig muß man einen Christbaum fellen und schmücken, Geschenke für Enkelkinder kaufen, usw.

Deine Arbeit mit dem Trias Aufschluß erwarte ich mit Spannung. Ich bin mit meinen Forschungen sehr im Verzug geraten. Vielleicht im neuen Jahr kann ich besser tun!

Dein neues Haus--was für wunderbare Nachrichten. Wir hoffen, daß wir eines Tages es angucken können. Mittlerweile hoffen wir, daß Du uns besuchen wirst. Das wäre schön.

Mit Sonderdrücken bin ich mit Dir auch im Verzug geraten. Ich lege daher ein paar bei. Wir wünschen Dir alles Gute im Neuen Jahr 1995.

Dein

Alfred Traverse

Anlagen: Sonderdrücke

P.S. Deine Adresse auf dem Umschlag scheint ein bisschen anders von allen die ich vorher bekommen habe. Ist Postfach 510153 noch verfügbar? Ich nehme an, daß Deine privat Adresse auch ziemlich bald geändert wird. Hast Du auch email? Ich finde es sehr praktisch wenn man eine baldige Antwort braucht.

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21.Juli 1994

Dr. Carmen Heunisch
Niedersächsisches Landesamt für Bodenforschung
Postfach 510153
D 30631 Hannover, Deutschland

Lieber Carmen,

Dein guter Brief vom 23.06 ist zwischen zwei Reisen angekommen und liegt daher bis heute auf der Haufe von Korrespondenz. In letzter Zeit sind wir mit einem Enkel "camping" gegangen. Er (Nicholas Traverse) scheint ein sehr interessanter Junge zu sein. Übermorgen kommt eine Enkelin (Anna Traverse) aus Tennessee für eine Woche. Sie ist 10 und wird nach Pennsylvanien fliegen.

Vielen Dank für die sehr wertvolle Liste. Ich möchte Dir ein paar Bemerkungen über verschiedene Publikationen auf der Liste geben, falls es von Interesse wäre:

1. Blendinger 1988. Die Photos sind nicht sehr gut. Ich habe nur eine Xeroxkopie, und ich habe eben gerade die Bibliothek besucht um zu kontrollieren ob ich bessere Kopien machte könnte--erfolglos. Pl.IV:1-2 sind fast sicher Litwins Froehlichisporites.

2. Van der Eem 1983 sitzt auch bei meinem Mikroskop. Die Photos sind so gut, daß es mir immer frustrierend ist, nicht mehr Formen darin zu finden.

3. Bjaerke & Manum 1977. Eine gute Empfehlung! Ich habe einen Sonderdruck, aber ich habe es nicht für diesen Zweck benutzt. Der Untertitel auf Deiner Liste ist teilweise falsch. B & M steht jetzt bei dem Mikroskop!

4. Doubinger & Adloff 1977. Noch einmal, eine wertvolle Empfehlung. Ich habe einen Sonderdruck aber habe ihn nicht oft benutzt. Du hast Recht--er ist besonders für Saccaten gut.

5. Besems 1981a & 1981b. Diese Publikationen habe ich irgendwie ganz und gar übersehen. Ich besitze seine Dissertation, mit alle fünf Publikationen zusammen verbunden, aber die Photos sind teilweise mit Abstand nicht so gut wie in den Zeitschriften. Was immer ist mit Herrn Besems geschehen?

6. Kavary 1972. Diese habe ich nie gesehen. Ich besitze nur Kavary 1966. Die Bibliothek hat es auch nicht. Ich muß mit

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der Fernleihe versuchen, sie zu finden.

7. Klaus 1960. Mir gut bekannt. Sehr hilfreich.

8. Lund 1977. Wie Nr. 7.

9. Mostler & Scheuring 1974. Für mich neu. Ich glaubte, daß ich alle von Herrn S. besaß. Fernleihe!

10. Orlowska-Zwol. 1971. Diese habe ich auch nie gesehen und muß sie mit der FL versuchen. O.-L. 1983 benutze ich immer, und ich wundere mich, daß Du kein X hinzugefügt hast. Ich würde auch O.-L. 1979 empfehlen (Inst. Geol. Budowa Geol. Polski, tom iii, Atlas ... Mezozoik. Trias. S. 150-254 und viele Tafeln.)

12. Pautsch 1971 & 1973. Diese besitze ich aber ich habe sie wahrscheinlich nicht gut genug benutzt.

13. Scheuring 1970 und 1973 habe ich binden lassen, und wir behandeln diese Bänder als ob sie die Bibel wären. Ich muß sagen, daß sie fast "overkill" darstellen. Man braucht eine "Exkursion-Version".

14. Schulz 1967. Auch ein alter Freund der immer bei dem Mikroskop sitzt. Ich finde Schulz 1965 auch gelegentlich hilfreich.

15. Schuurman 1977, 1979. Beide sind alte Freunde.

Zusätzliche Artikel, die ich oft benutze:

1. zwei Dissertationen von meinen ehemaligen Doktoranden: Cornet 1977 und Litwin 1986

2. Filatoff 1975 (Palaeontographica): obwohl eine Jura-Arbeit, sehr gut für Sporen.

3. Boutet 1981: die Nomenklatur läßt etwas übrig zu wünschen, aber die Photos sind oft hilfreich.

4. Morbey 1975: gelegentlich nützlich.

5. Reitz 1985: wie 4.

6. Leschik 1957: enthält viel das man verstehen muß

7. Heunisch 1986: Du bist zu bescheiden sie zu erwähnen?

Du hast mir wirklich geholfen. Noch einmal, vielen Dank!

Mit besten Grüßen, Dein

Alfred Traverse

Hunt Institute for Botanical Documentation

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29.Mai.94

Dr. Carmen Heunisch
Niedersächsisches Landesamt für Bodenforschung
Postfach 51 01 53
30631 Hannover, Deutschland

Liebe Carmen,

wie gut es war, von Dir einen Brief zu bekommen. Deine Handschrift ist eigentlich prima. Wir haben das letzte Mal alles problemlos gelesen, mit der Ausnahme von nur einem Wort. Wir bekommen gelegentlich Briefe, meistens von älteren Menschen, die Handschrift vor 1935 gelernt haben, die wir kaum lesen können.

Ich habe eine geologische Karte bestellt, und ich bedanke mich sehr für die Auskunft. Ich hoffe, daß es mit meiner Bestellung klappt.

Die deutschen Proben, die ich untersuche sind meistens Karn, mit Ausnahmen. Ich möchte in enger Verbindung mit Dir bleiben, um so gut wie möglich für Herr Köppen zu tun. Das erinnert mich, daß ich eine Kopie Deiner Dissertation besitze, und ich finde die Photos sehr hilfreich für Bestimmungen. Hast Du irgendwann eine Liste gemacht, von europäischen Trias-Publikationen die, ihrer Abbildungen wegen, besonders gut sind? Die Publikationen die ich benutze sind meistens ziemlich kurz. Wir brauchen etwas das viel vollständiger wäre. Ich würde gerne Dir meine "Liste" schicken, aber ich nehme an, daß sie zu kindisch wäre, Dir zu helfen.

Es ist bei uns ein schöner Sonntag. Wenn wir in Hannover wären, würden wir den botanischen Garten besuchen. Letzte Woche haben wir den Missouri Botanical Garden in St. Louis besucht--der beste Garten Nord Amerikas. Heute vor einer Woche haben wir mit unserem Sohn der Lehrer in Memphis ist, und seiner Familie, eine lange Wanderung in mittel-Arkansas gemacht. Wir haben viele Sassafras Wurzeln gesammelt, und später einen sehr guten Tee davon gemacht. Es ist ein altertümlicher amerikanischer Gebrauch, den die Indianer erfunden haben. Diese Wurzeln sind auch die Quelle von "rootbeer."

mit besten Grüßen, auch von Betty

Dein

Alfred Traverse

Hunt Institute for Botanical Documentation

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

Ihr Zeichen, Ihre Nachricht vom | Mein Zeichen (Bei Antwort angeben) | ☎ (0511) 643-2529 Hannover, 06.05.94

Lieber Alfred,

vielen Dank für Deinen Brief vom 4.4. Entschuldige bitte, daß ich auch heute mit der Hand schreibe, aber ich habe noch immer keinen Terminalanschluß und die Schreibmaschine druckt keine Buchstaben, sondern sie stanzt sie aus (punch, stamp). Aber ich bemühe mich, leserlich zu schreiben.

Das Wort, das Du nicht lesen konntest, heißt Deutschlandkarte. Du hattest mich irgendwann danach gefragt. Anbei ein Verzeichnis geowissenschaftlicher Karten. Die Deutschlandkarte kostet 38,50 DM.

Zur Trias: Ich untersuche vorrangig Rhät und Steinmergelkeuper. Ich habe die äquivalente Abfolge auf den Kopien markiert. Ähnliche Untersuchungen werden z.Z. auch in Krefeld (Ch. Hartkopf-Fröder) und auch beim Rijks-geologische Dienst der Niederlande in Haarlem durchgeführt. Eine gemeinsame Veröffentlichung Norddeutschland, Niederlande, Süddeutschland und Alpen wäre natürlich eine tolle Sache. Wir sollten das im Auge behalten.

Soweit meine Wenigkeiten.

– Herzliche Grüße an Betty und Dich!

Carla

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923730 bgr ha d
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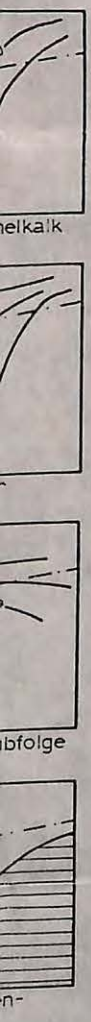
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Ab Hauptbahnhof Stadtbahnlinie 3 bis Lahe (Endpunkt), Buslinie 26 oder 32 bis Haltestelle Pappelwiese.

Hunt Institute for Botanical Documentation

einer Zonenfolge von
germanischen Ablage-
rung sind auch die im
daneben gewisse Mu-

narmen, aber äußerst



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ng des marinen Zech-
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npensiert wurde, daß
gel abwich. Es ergibt
erzeit durch stärkere
oldanubischen Zone
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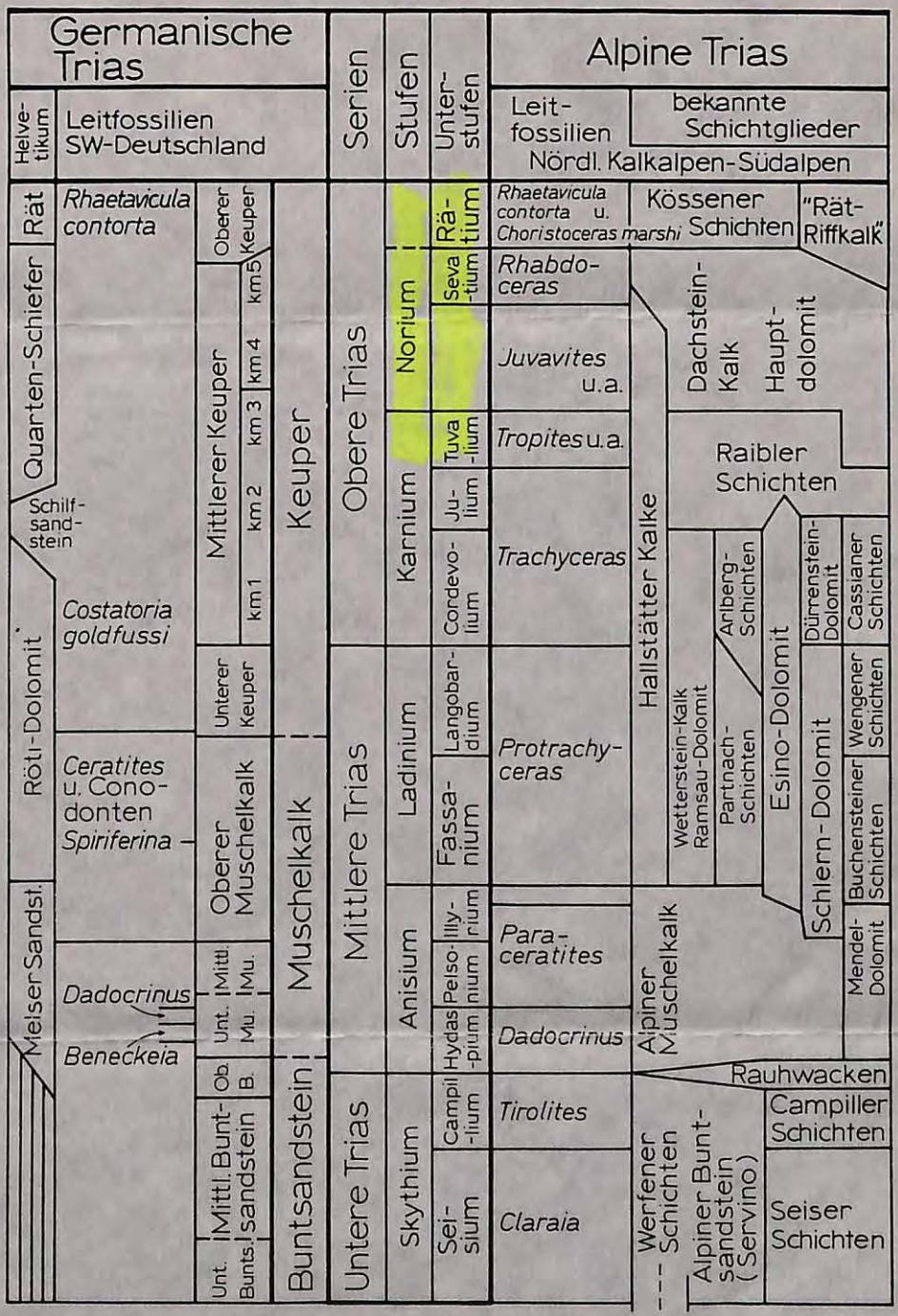


Abb. 20. Stratigraphischer Vergleich zwischen der Schichtfolge der Germanischen und der Alpinen Trias. Der tiefere Gipskeuper (km 1) ist u. U. auch noch dem oberen Ladinium gleichzusetzen.

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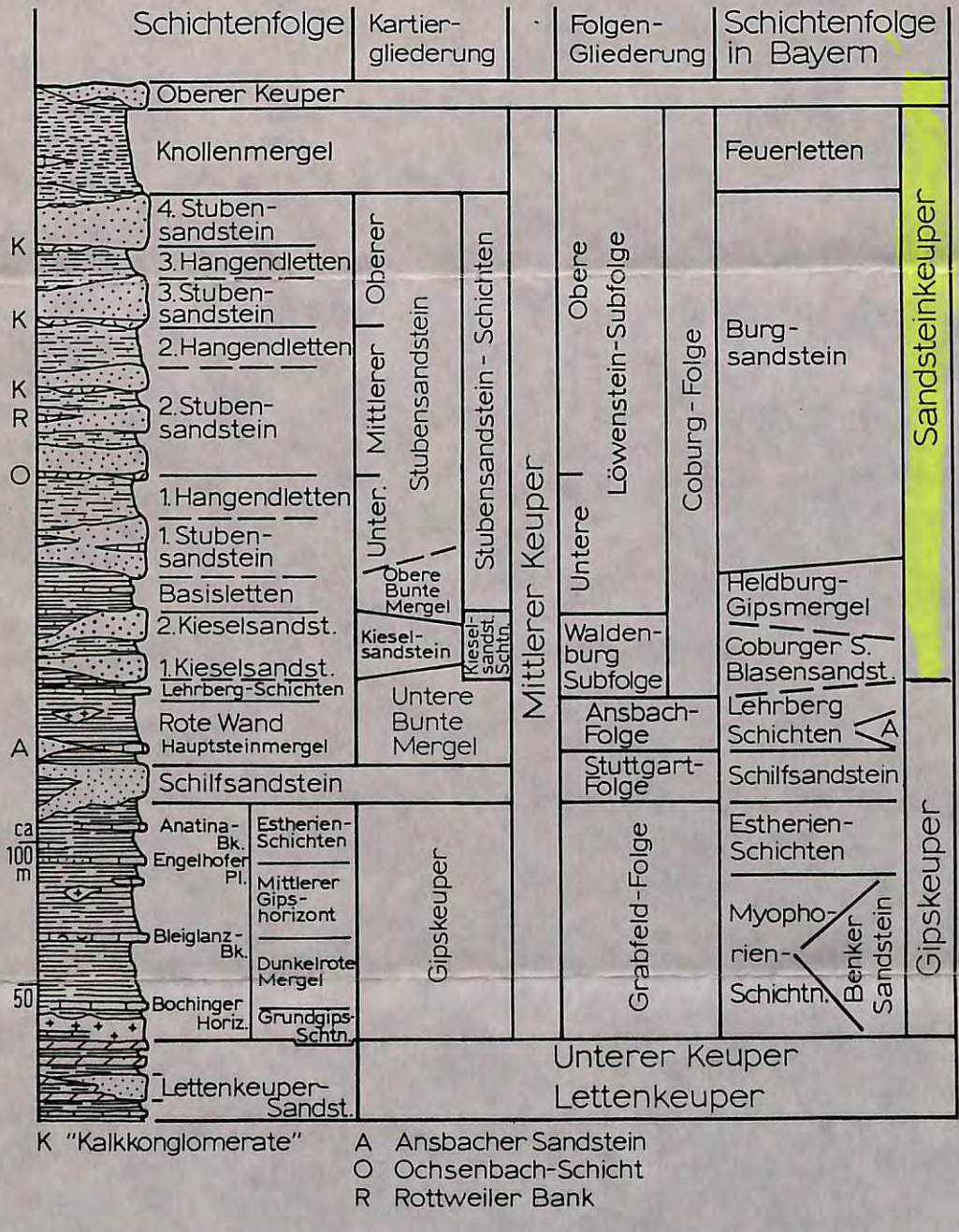


Abb. 46. Stratigraphische Übersicht für den Keuper im Gebiet zwischen Oberem Gäu und Ostwürttemberg, sowie Vergleich mit der entsprechenden Schichtenfolge in Bayern. Nach M. P. GWINNER 1980, K. BRENNER & E. VILLINGER 1981.

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4.April.94

Dr. Carmen Heunisch
Niedersächsisches Landesamt für Bodenforschung
D 30631 Hannover, Deutschland

Liebe Carmen,

was für gute Nachrichten! Wir sind sehr froh so 'was zu erfahren. Leider werden wir eine kleine Konkurrenz haben? Ich arbeite mit Herrn Köppen an der Heidelberg Universität mit Keuper-Proben, wie Du weißt. Du hast uns zusammen gebracht! Ich habe auch ein kleines Projekt mit der Stuttgarter Folge gemeinsam mit einem Professor an der Universität in Stuttgart. Vielleicht könnten wir eines Tages "co-authors" (wie heißt das auf Deutsch?) einer Publikation sein? Das würde mir sehr gefallen.

Das Buch über Palynomorph-Sedimentation wird nächsten Monat erscheinen. Es hat mir viel zu viel Zeit gekostet. Ich glaubte im Februar ganz und gar fertig zu sein, dann habe einen Anruf aus England bekommen, ich mußte ein Sach- bzw. Namen-Register präparieren. Das kostete noch zwei Wochen, sogar mit dem Computer. Letzte Woche mußten wir die Fahnenabzüge korrigieren.

Jetzt muß ich ein Problem ehrlich gestehen. Betty und ich konnten gar nicht das Wort, das ich auf der beigelegten Kopie Deines Briefes rosa gestrichen habe, lesen. Könntest Du uns helfen? Wahrscheinlich <u>habe</u> ich noch Interesse!

Kopie...Ja, das erinnert mich. Ich lege auch zwei Xeroxkopien bei, auf den Du zeichnen könntest, welche Schichten Du untersuchen werdest.

Noch einmal möchten wir betonen, wie Dein Brief uns erfreut hat (wirklich!)

mit besten Grüßen

Dein

Alfred Traverse

P. S. Die Kaninchen-Osterkarte war sehr schön! ("Osterhase auf der Osterstraße")

Anlagen

Hunt Institute for Botanical Documentation

Hannover, 24.03.94

Liebe Betty und Al !

Ich wünsche Euch ein frohes, besinnliches Osterfest.

Vielen Dank für den Brief ! Ich kann ihn mit einer guten Nachricht beantworten: Seit dem 1. März arbeite ich wieder an NLfB, diesmal für unbestimmte Zeit. Die Entscheidung kam sehr kurzfristig und für mich fast unerwartet.
In Zukunft bin ich hier für Palynologie des Mesozoikums zuständig. Der Schwerpunkt dieses Jahres soll auf Untersuchung der Oberen Trias (vorliegend Steinmergelkeuper und Rhät) liegen.

Übrigens: Ist das Buch über Palynofacies schon erschienen? Ich warte schon darauf.
Die Deutschlandkarte, nach der Du irgendwann einmal gefragt hast, ist inzwischen auch erschienen – ich kann eine schicken, wenn noch Interesse besteht.

Also, herzliche Grüße !

Carmen
Heunisch

Hunt Institute for Botanical Documentation

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7.Feb.94

Dr. Carmen Heunisch
Osterstraße 51
D-30159 Hannover
Deutschland

Liebe Carmen,

vorsicht!--wir stehen auf dem Duzfuß mit nur ein paar Menschen und machen daher mehr Fehler als mit den Sie-Formen.

Dein herrliches Winterfoto, das als Weihnachtenkarte diente hat uns sehr gefallen. Die Nachrichten die Du auf der anderen Seite berichtetest fanden wir sehr deprimierend. Du bist eine sehr begabte Frau, und es ist schändlich für Du keine feste Stelle zu haben. Du sagtest nicht, was du mittlerweile tun kannst. Sehr beunruhigend.

Es tut mir leid, daß ich so lange gewartet habe, bevor ich ein bisschen Zeit gefunden habe, Dir eine Antwort zu schicken. Bettys Mutter ist im Frühnovember gestorben, dann haben wir zehn Tage in England verbracht, um an die Ruhestandfeier für Chaloner teilzunehmen. Seitdem bin ich sehr mit meinen Vorlesungen und Praktiken beschäftigt gewesen. Ich lehre dieses Semester die Paläobotanik mit 11 Schüler/-innen.

Wir drücken Dir natürlich die Daumen. Etwas für Dich einfach geschehen <u>muß</u>.

mit besten Grüßen verbleibe ich

Dein

Alfred Traverse

Hunt Institute for Botanical Documentation

Frankfurt a.M.

20. Juni 12

Heinrich

Liebe Carmen,

hier sind zwei Notos als Andenken an unseren Besuch zu ihnen. Ich war ein sehr interessanter Nachmittag!

Jetzt müssen wir bald nach Hause fliegen. Wir hatten, das Du einen Tages uns besuchen könntest. Wie wäre dann, wenn Du mit Deinen Eltern, Deinen Besuch (Termine) 5 Wir helfen Dir die Zimmer für eine Feste Stelle!

Hunt Institute for Botanical Documentation

Beethovenstr. 36, Vh. 2St
6000 Frankfurt a. M. 1

24. März. 92

Frau J. Carmen Hennisch
usw.

Sehr geehrter J. Hennisch,

Ihre neue Adresse habe ich
von Walter Riegel bekommen.
Ich bin dieses Semester als
Fulbrightprofessor am Senckenberg
Museum tätig.

Zufälligerweise werden Betty
und ich am 20. 21 April
Hannover besuchen. Wir haben
nie die schöne Gegend angeguckt,

Hunt Institute for Botanical Documentation

NIEDERSÄCHSISCHES
LANDESAMT FÜR BODENFORSCHUNG

Hannover, 27.03.1992

A.Z.: C. Heunisch

NIEDERSÄCHSISCHES LANDESAMT FÜR BODENFORSCHUNG
Alfred-Bentz-Haus · Postfach 51 01 53 · 3000 Hannover 51



Herrn
Prof. Dr. A. Traverse
c/o Forschungsinst. Senckenberg
Senckenberganlage 25

6000 Frankfurt am Main 1

Sehr geehrter Herr Professor Traverse,

vielen Dank für Ihren Brief. Ich freue mich, daß Ihre Frau und Sie mich in Hannover besuchen wollen. Ich bin vom 16. - 20. April in Urlaub, aber am 21. wieder in Hannover, so daß wir uns gerne - am besten hier im Amt - treffen können. Auch ein Besuch im Labor macht keine Schwierigkeiten.

Es wäre nett, wenn Sie mich vorher noch einmal anrufen würden, ob und wann Sie kommen (Tel. Amt: 6432208; privat: 3632496).

Viele Grüße - und bis bald

Carsten Heinisch

Replied 1-IV-92
suggested 2 00
or Tuesday 21-IV-92

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Wegen der gleitenden Arbeitszeit bitte ich, Ihre Anrufe und Besuche möglichst in der Zeit von 9.00 bis 15.00 Uhr vorzunehmen.

Hunt Institute for Botanical Documentation

THE PENNSYLVANIA STATE UNIVERSITY
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Frau Dr. Carmen Heunish
Westfälische Wilhelms-Universität
Geol.-Paläontol. Institut u. Museum
D-4400 Münster, Correnssstraße 24
Deutschland

den 22. Juli 1991

Sehr geehrte Frau Dr. Heunisch,

Ihr Artikel über Keuperpalynomorphen usw. mit dem kürzen interessanten Brief sind angekommen und haben mir sehr gefallen. Ich möchte mich dafür natürlich bedanken.

Es ist gut zu wissen, daß Sie einen neuen Vertrag gefunden haben. Hannover ist eine schöne Gegend und wir wünschen Ihnen viel Erfolg und eventuell eine Dauerstelle!

Meine Frau und ich planen Jan.-Juli 1992 in Frankfurt zu verbringen. Ich werde hauptsächlich Devonsporen an dem Senckenbergmuseum untersuchen. Hoffentlich werden wir das Vergnügen haben, Sie wiederzusehen.

mit besten Grüßen

Ihr

Alfred Traverse

AT/et

Hunt Institute for Botanical Documentation

WESTFÄLISCHE
WILHELMS-UNIVERSITÄT
MÜNSTER

Geologisch-Paläontologisches Institut und Museum

Dr. Carmen Heunisch
Westf. Wilhelms-Universität Münster · Geologisch-Paläontologisches Institut
Corrensstraße 24 · 4400 Münster

Prof. Dr. A. Traverse
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4400 Münster, 10.06.1991
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Telefax (02 51) 83-20 90
Telex 8 92 529 UNIMS d
Telefon: Durchwahl (02 51) 83-

Sehr geehrter Herr Professor Traverse,

beiliegend mein jüngstes Werk. Meine Zeit in Münster ist abgelaufen, aber ich hatte das Glück, einen weiteren Zeitvertrag zu erhalten und zwar in Hannover: Niedersächsisches Landesamt für Bodenforschung, Stilleweg 2, 3000 Hannover 51. Dort werde ich den Oberjura Nordwestdeutschlands palynologisch bearbeiten.

Ich hoffe, Ihnen und Ihrer Frau geht es gut - beruflich und privat.

Herzliche Grüße

Carmen Heisch

Hunt Institute for Botanical Documentation

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Dr. C. Heunisch
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Museum
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4400 Münster, BRD

den 16. April 1990

Sehr geehrte Frau Dr. Heunisch,

Ihre drei Publikationen habe ich mit großem Interesse gelesen. Die Arbeit über zyklisch entwickelte, lakustrische Sedimente hat mir besonders gefallen, da dieses Fachgebiet mir sehr "lieb" ist. Ich bereite jetzt (sehr langsam) nämlich ein Buch über dieses Thema vor. Das heißt, daß ich Redakteur bin. Es wird von der Cambridge University Press publiziert werden, mit dem Titel "Sedimentation of Organic Particles". Ich hätte Sie eingeladen, ein Kapitel zu schreiben, hätte ich gewußt, daß Sie für dieses Subjekt eine Fachperson sind!

Soweit die gute Nachrichten. Ihre geologische Aussichtskarte hat mich sehr beunruhigt wegen Ihrer Berufsprobleme, die darauf ausgedruckt worden sind. Irgendwie müssen Sie unbedingt eine Palynologin bleiben! Falls ich etwas über eine palynologische Stelle höre, werde ich Ihren Namen erwähnen.

mit besten Glückwünschen,

Ihr

Alfred Traverse
Professor für Palynologie

AT/et

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Frau Dr. Carmen Heunisch
Westfälische Wilhelms-Universität
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Corrensstraße 24
D-4400 Münster, BRD

den 28. Juni 1989

Sehr geehrte Frau Dr. Heunisch,

haben Sie vielen Dank für die Übersendung des Manuskripts über das Siebgerät. Eines Tages müssen wir etwas tun, diese Methode einzuführen.

Der Mann in Deutschland, der in Calgary Pilzsporen aus dem Perm vorgestellt hat, ist Hans H. Ecke*. Ob er noch in Göttingen ist, weiß ich nicht. Dr. Riegel würde bestimmt Auskunft haben. Ich würde auch empfehlen, daß Sie an Elsik wenden.**

Die Dissertation von Eleanora I. Robbins könnten Sie am besten durch Ihre Universitätsbibliotek bei Fernleihe bekommen: "'Fossil Lake Danville': the paleoecology of a Late Triassic ecosystem on the north Carolina-Virginia border." Ph.D. thesis. Pennsylvania State University, 1982. Unsere Bibliothek is sehr großzügig mit den Ausleihen. Falls jedoch das unglaublicherweise nicht klappt, bitte wenden Sie noch einmal an mich. Vielleicht möchten Sie auch an Dr. Robbins schreiben: U.S. Geological Survey, National Center, MS 956, Reston, VA 22092. Sie könnte vielleicht Xeroxkopien haben.

Unsere Reise ist sehr gut gegangen, obwohl wir am letzten Tag in New York zum Opfer einen Dieb gefallen sind. Ich erwähne das, weil ich mein Notizbuch verloren habe. Es enthielt meine kleinen Notizen, wie zum Beispiel "schreib C. Heunisch re Pilzsporen" usw. ~~(Glücklicherweise habe ich das ohne Notizen erinnert!)~~ Leider habe ich auch meinen Photoapparat und verschiedene Filme aus Deutschland und Österreich verloren.

mit besten Grüßen

Ihr

Alfred Traverse

AT/et

* gleiche Adresse wie für Riegel

** Exxon USA
P.O. Box 2180
Houston, TX 77001

Hunt Institute for Botanical Documentation

WESTFÄLISCHE WILHELMS-UNIVERSITÄT MÜNSTER
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U.S.A.

☎ (Durchwahl) 0251/83- 3978

Datum 13.06.1989

Sehr geehrter Herr Professor Traverse,

beiliegend sende ich Ihnen das Manuskript für unser in Krefeld vorgestelltes Siebgerät. Die Arbeit soll in der Paläontologischen Zeitschrift erscheinen. Wir - Herr Muntzos und ich - hoffen, daß die Anleitung für Sie von Nutzen sein wird.

Weiterhin möchte ich Sie daran erinnern, mir bei Gelegenheit Name bzw. Adresse eines Spezialisten für Pilzsporen (Mesozoikum, Trias) mitzuteilen, wie in Krefeld besprochen.

Zur Zeit bearbeite ich mehrere Profile aus dem Unteren Gipskeuper des Lippischen Berglandes. Palynomorphen sind in einigen Proben auch zahlreich vorhanden, ihr Erhaltungszustand ist jedoch in den meisten Fällen sehr schlecht. Er gleicht in etwa dem der in Fig. 18.2 in "Paleopalynology" abgebildeten Exemplare von ROBBINS (1982). Da es sich bei einem der von mir bearbeiteten Profile mit ziemlicher Sicherheit um Seeablagerungen handelt, ist die Arbeit von ROBBINS thematisch sehr interessant - leider ist sie nicht veröffentlicht. Sehen Sie eine Möglichkeit für mich, die Arbeit einzusehen?

Ich hoffe, daß Sie Ihren Deutschlandbesuch (und Ihre Erkältung) gut überstanden haben und Sie gut erholt nach Hause zurückgekommen sind.

Viele herzliche Grüße, auch an Ihre Frau!

Ihre Conny Heunisch

Hunt Institute for Botanical Documentation

Münster, 7. Dezember 1987

Sehr geehrter Herr Professor Traverse,

vielen Dank für die Zusendung der Sonderdrucke. Ich kann sie gut gebrauchen, da ich z.Zt wieder Trias-Sedimente palynologisch bearbeite.

Mein Vertrag in Darmstadt lief im Nov. '86 aus; seit Mai '87 bin ich als wissenschaftliche Mitarbeiterin am Geol.-Pal. Institut der Universität Münster/Westfalen (genaue Anschrift s. unten) angestellt. Hier untersuche ich im Rahmen eines DFG-Projektes, das auf zwei Jahre begrenzt ist, Muschelkalk- und Keuper-Profile am Nord- und Ostrand der Rheinischen Masse palynologisch, hauptsächlich nach faziellen Gesichtspunkten.

Eine Frage an Sie: Sehen Sie für mich die Möglichkeit eines Forschungsaufenthaltes an der Penn. State University??

Last but not least wünsche ich Ihnen und Ihrer Familie

ein frohes Weihnachtsfest

und

ein gutes Neues Jahr

Mit freundlichen Grüßen

Corinna Hennisch

Dr. C. Hennisch

Westfälische Wilhelms-Universität
Geologisch-Paläontologisches Institut
u. Museum
4400 Münster, Corrensstraße 24

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Geol.-Paläontol. Institut u. Museum
D-4400 Münster, Correnssstraße 24

den 5. Januar 1988

Sehr geehrte Fr. Dr. Heunisch,

vielen Dank für die Zusendung des Artikels über die Messelfossilien. Er ist sehr interessant und hat mich etwas überrascht, weil ich der Meinung war, daß Messel "Friedemanns Sache" wäre. Sie haben sehr schöne Photos gemacht!

Es freut mich sehr zu wissen, daß Sie wieder einmal die Triasforschung aufgenommen haben.

Was Ihre Frage um einen Forschungsaufenthalt bei uns betrifft, möchte ich betonen, daß Sie ganz bestimmt sehr willkommen wären. Sie könnten meinem Projekt mit den Triasbecken erfolgreich helfen. Es gibt wie immer nur dasselbe alte belästigende Problem, d.h. das Geldproblem. Wenn Sie von einer deutschen Quelle Geld bekommen könnten, könnten Sie sich nächste Woche zur Arbeit melden! Wenn das nicht der Fall wäre, hätte ich einen Forschungsvorschlag für die NSF schrieben müssen, und die Erfolgsraten sind heutzutage deprimierend. Aber bloß die Frage, ob Sie bei uns arbeiten könnten, kann ich ohne weiteres und fröhlich bejahen!

Ihre Grüße zum Weihnachtsfest und zum Neuen Jahr haben uns sehr gefallen. Wir wünschen Ihnen auch ein gutes 1988!

mit freundlichen Grüßen

Ihr

Alfred Traverse
Professor für Palynologie

P.S. Ihr Strassenname interessiert mich. Ist "Correns" der Wissenschaftler, der die "Mendelgesetze" um 1902 wieder entdeckt hat?

AT/et

Hunt Institute for Botanical Documentation

Frau Dr. Carmen Heunisch
Mühlstr. 64a
D-6100 Darmstadt
BRD

den 27. Oktober 1986

Sehr geehrte Dr. Heunisch,

ich möchte mich herzlich bedanken für Ihren interessanten Brief vom 19. Sept. 1986 und auch für die freundliche Übersendung Ihrer Veröffentlichung. Ich erinnere mich mich mit Vergnügnen, daß ich Sie und Ihre Arbeit in Göttingen kennengelernt habe. Wir haben auch seitdem mit der Triasforschung gute Fortschritte gemacht.

Die paläontologischen Stellan in Europa scheinen sogar weniger als in den Vereinigten Statten. Es tut mir leid von der Knappheit Ihrer beruflichen Möglichkeiten zu lernen. „Eventuell" ist für ein DFG-Projekt zu arbeiten nicht sehr gut. Ich nehme an, daß eine „Volontärin" kein Geld bekommt? Mindestens haben Sie einen Lehrauftrag bei meinem guten Freund, H. Pfefferkorn. (Könnte so was nicht dauernd werden?) Eines Tages möchte ich Ihm für ein paar Monate besuchen. Tatsächlich wurde der Besuch für 1987 vorläufig geplant, aber Probleme mit unseren Eltern haben den Plan verhindert. Wir werden mindestens die Tagung in Berlin 1987 besuchen! (IBC)

Ihre Dissertation habe ich sorgfältig gelesen, weil es eng mit unserer Triasarbeit verbunden ist. Ich gratuliere auf eine sehr interessante Veröffentlichung!

Mein Doktorand V.S. Ediger wurde in August dieses Jahres promoviert. Seine Dissertation hat mit dem Richmondbecken (Virginien) zu tun. Die Flora hat gemeine Formen mit Ihrer Dissertation. Aratrisporites ist besonders beeindruckend. Wegen der Gruppe Patinasporites usw. haben meine anderen Studenten und ich jedoch diese Sedimenten immer für Karnian gehalten. Ediger war der Meinung, daß mindestens die älteren Teile der Sedimenten nicht Karnian, sondern Ladinian (ungarisch: Illadinian) sind, und er zeigte unteren anderen Ihrer Arbeit an. Ich bemerke jedoch auf Ihren Tafeln Formen wie Heliosaccus, Protohaploxypinus und Striatoabeites, die wir nie gefunden haben, und ich glaube noch, daß die ältesten Richmondsedimenten palynologisch jünger als Ihr Unterkeuper sind.

Ich wünsche Ihnen alles Gute, besonders viel Glück mit dem Stellesuchen.

mit besten Grüßen

Alfred Traverse
Professor für Palynologie

AT/et

Hunt Institute for Botanical Documentation

Dr. Carmen Heunisch
Mühlstr. 64a
D-6100 Darmstadt

19. September 1986

Herrn
Prof. Dr. A. Traverse
Department of Geosciences
The Pennsylvania State University
University Park

Pennsylvania 16802

U S A

Sehr geehrter Herr Professor Traverse,

beiliegend übersende ich Ihnen ein Exemplar der Veröffentlichung meiner Dissertation. Sie haben, wie Sie sich vielleicht erinnern, die Arbeit in ihrem Anfangsstadium in Göttingen kennengelernt. Jetzt würde mich sehr interessieren, was Sie von der Endfassung halten.

Ich wurde im Juni 1984 promoviert. Seit Mitte November 1984 bin ich als Volontärin in der Geologischen Abteilung des Hessischen Landesmuseums in Darmstadt. Mein Arbeitsvertrag ist zeitlich begrenzt und läuft in knapp 2 Monaten aus. Die weitere berufliche Zukunft ist noch unsicher. Eventuell kann ich in einem DFG-Projekt an der Universität in Münster/Westfalen palynologische Untersuchungen der westfälischen Trias, vorwiegend Muschelkalk und Keuper, durchführen.

Im letzten Wintersemester hatte ich einen Lehrauftrag für Palynologie an der Universität Heidelberg bei Prof. Pfefferkorn. Diesen Lehrauftrag werde ich auch in diesem Wintersemester wieder durchführen.

Soweit zu meiner Person. Ich würde mich freuen, von Ihnen zu hören und verbleibe

mit freundlichen Grüßen

Carmen Heunisch

(Carmen Heunisch)

Hunt Institute for Botanical Documentation

Dipl. Geol. Carmen Heunisch
Geol.-Pal. Institut
Pleicherwall 1
8700 Würzburg, BRD

(Triassic grad student at Würzburg, 1983)

Hunt Institute for Botanical Documentation

To: heusser@ldgo.columbia.edu
From: traverse@ems.psu.edu (Alfred Traverse)
Subject: refs
Cc:
Bcc:
X-Attachments:

Dear Linda:

I am writing a little article in which I refer to the production of paleo-vegetation maps, based on pollen data from cored sediments.
One reference I have on my shelf is Delcourt & Delcourt 1987. Do you know of something more recent for N. Amer.?

Secondly, I remember clearly reading a book that came to the library several years ago with similar maps for northwest Europe--but my info-filing system has failed me--I can't find it, and CAT, our computer system for the library isn't helping.

Can you help me with either reference?

All the best, as ever, Al

Hunt Institute for Botanical Documentation

Date: Thu, 22 Jun 1995 12:34:34 -0500 (EST)
From: "Alfred Traverse" <traverse@ems.psu.edu>
To: heusser@acfcluster.nyu.edu
Cc:
BCc:
Subject: thanks
X-NUPop-Charset: IBM 8-Bit

Dear Linda:

Thanks for prompt answer. I was puzzled by the time line, thinking that the Heussers keep weird hours, but then I read the message. Made me nostalgic. Perhaps you know that I got my start in paleobotany/palynology (though the word was not in use then) at Cambridge, with Thomas and Godwin, 1946-47? I have marvellous memories of a much different Cambridge in which I got fined for not wearing my gown in the town, and for not having a light on my bicycle. All the best to you both. Have a good trip home. Al. P. S. If you later have another inspiration about TCT, please let me know. I'm going to put it in the glossary of Paleopalynology and want to get it right.

Hunt Institute for Botanical Documentation

Received: from acf6.acf.nyu.edu by pangaea.ems.psu.edu
        (4.1/PSU_ESSC/GEOSC-2.02) id AA06609; Fri, 23 Jun 95 02:55:11 EDT
Received: from ACFcluster.NYU.EDU by ACFcluster.NYU.EDU (PMDF V4.3-13 #8043)
 id <01HS12QPAFWG1DYBO3@ACFcluster.NYU.EDU>; Fri,
 23 Jun 1995 02:56:16 -0500 (EST)
Date: Fri, 23 Jun 1995 02:53:52 -0500 (EST)
From: HEUSSER@acfcluster.nyu.edu
Subject: Re: thanks
In-Reply-To: Your message dated "Thu, 22 Jun 1995 12:35:16 -0500 (EST)"
 <45319.traverse@ems.psu.edu>
To: traverse@ems.psu.edu
Message-Id: <01HS138O6PM61DYBO3@ACFcluster.NYU.EDU>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; CHARSET=US-ASCII
Content-Transfer-Encoding: 7BIT

hello al
 must have been fantastic- no did not know that
 you began here. maybe someone should do
history of palynologists here in cambridge
 did you know that Godwin sub dept of botany is no
more... botany is now plant science and sub dept
 is now Institute... palynologists are now moving
to geography/. nick s is poart of geology
 K Bennett is still in plant science
but when he leaves - all will be molecular
presumably. best l

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

12 November, 1990

Dr. Linda E. Heusser
Lamont-Daugherty Geological Observatory
Columbia University
Palisades, NY 10964

Dear Linda:

Enjoyed your article with Morley re "non-Younger Dryas event" in Japan. Sorry I lost you for the sedimentation book project. I'm relieved to learn by implication it was not because of illness, as I feared.

Best.

Yours very truly,

Alfred Traverse

AT/et

Hunt Institute for Botanical Documentation

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

25 July, 1989

Dr. Linda E. Heusser
Columbia University
Lamont-Daugherty Geological Observatory
Palisades, NY 10964

Dear Linda:

Your undated letter, just arrived, is quite a shock. I wonder if you could suggest a possible substitute? If I got lucky there just might be somebody who could do a hurry-up job.

Best regards. I hope you're o.k.

Yours very truly,

Alfred Traverse

AT/et

Hunt Institute for Botanical Documentation

Lamont-Doherty Geological Observatory | *Palisades, N.Y. 10964*
of Columbia University

Cable: LAMONTGEO
Palisades New York State
TWX-710-576-2653

Telephone: Code 914, 359-2900

about 20-VII-89

To:

Professor Alfred Traverse
435 Deike Bldg
Pennsylvania State University
University Park, Pennsylvania 16802

Dear Al.

Much as I would like to contribute an article to your Sedimentation book, due to pressing personal reasons I will not be able to. I am sorry that I had to make this decision at this late date - but I have no choice.

Sincerely,

Linda

Linda Heusser

Hunt Institute for Botanical Documentation

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JUN 1988

E Earth Domestic USA

POSTCARD

Dear Al - Thanks for
thanking my contribution
to your new book - hated
still have to decline -
See you in Australia
Best Linda L Gaines

Dr Al Traverse
Dept Geosciences
Palynological Labs
435 Deike Bldg
University Park
PA 16802

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

9 May, 1988

Dr. Linda E. Heusser
Lamont-Daugherty Geological Observatory
Columbia University
Palisades, NY 10964

Dear Linda:

You will recall that in the original correspondence about IPC Symposium 12 I encouraged participants to prepare their platform MS for publication in the Proceedings volume, and I still do feel this is a good idea, but clearly this contribution must be quite short.

However, I recall having mentioned to you that I am planning a volume on palynological sedimentation, based on longer versions of some of the symposium papers and on contributions of others (such as David Batten) who will not be taking part in Brisbane. Columbia Univ. Press has expressed a strong interest in this volume.

Naturally, as I have stressed before, Linda Heusser is a key contributor to such a book! I would really like it if you would prepare a chapter that enlarges on your IPC contribution, and concludes whatever you would want to stress from your considerable experience about continental shelf palynomorph sedimentation, or anything else about the general subject that appeals to you.

Could I hear a yes/no reaction from you very soon, as consummation of the deal will involve coming up with a concrete table of contents pretty soon.

All the best to you and Cal.

Yours very truly,

Alfred Traverse

AT/et

Hunt Institute for Botanical Documentation

1982

Dear al-

Belated but heartfelt thanks for the petite pumpkin - and your note. Did save the seeds and have great hopes for growing some in '87-

Our best wishes for the New Year -

Sincerely Linda

恭賀 Happy Holidays
賀 Meilleurs Voeux
新 Felices Fiestas
禧 Поздравляю

Carl Linda Hansen

Heusser

Hunt Institute for Botanical Documentation

16 February, 1984

University of Arizona Press
University of Arizona
Tucson, AZ 85721

file

Dear Sirs:

Is it still possible to buy from you a copy of Heusser, C.J., "Pollen and Spores of Chile"? Our library has "lost" their copy, and I'd like to get a personal copy to avoid problems with availability.

Thank you.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

Hunt Institute for Botanical Documentation

6 January, 1984

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

Dear Cal:

Thanks for the historical stuff. It's clear that we should have listed you as the organizer of INPC. The blurb from Science I must have seen. I probably blocked it out because it seems to say that Barghoorn presented my Ph.D. thesis without listing me as co-author!

Best to you and Linda for 1984. It's fun to hear about you all from Carrie Stock.

Yours as ever,

Alfred Traverse
Professor of Palynology

AT/et

Hunt Institute for Botanical Documentation

New York University
A private university in the public service

Department of Biology

1009 Main Building
Washington Square
New York, N.Y. 10003
Telephone: (212) 598-3435

17 December 1983

Dear Al:

I dug out some old records relevant to past pollen conferences of which Dan Livingstone has written you in his 17 November letter.

These are enclosed for whatever value they may have for you.

Thanks for the Xerox of your 23 November letter to Dan.

Linda joins me in wishing you a wonderful Christmas and Happy New Year 1984!

Sincerely,

Dale Henssen.

Henssen

Hunt Institute for Botanical Documentation

Reprinted from SCIENCE, June 5, 1953, Vol. 117, No. 3049, pages 622–623.

First Palynology Conference

THE First Palynology Conference was held at Yale University on February 21, 1953. The purpose was discussion of current investigations being carried out principally on the North American continent by workers in the field of microfossil research. Although originally outlined as a local meeting between the group at the University of Massachusetts, headed by L. R. Wilson, and that at Yale, the plan was enlarged to include the majority of workers in the United States. Seventeen papers were presented and informally discussed during two sessions. Those concerning research being undertaken on Pleistocene material were presented during the morning session, but in the afternoon, the papers were for the most part concerned with pre-Pleistocene studies. Paul B. Sears presided at the morning gathering, and Edward S. Deevey, Jr., presided during the afternoon.

Participants, their affiliation, and titles were as follows in the order of their presentation:

Stanley A. Cain, University of Michigan: "The Use of Size-Frequency in the Determination of Species of Pollen"; John F. Grayson, University of Michigan: "A Size-Frequency Study of Fossil *Pinus* Pollen from Lake Bottom Sediments of the George Reserve, Southeastern Michigan"; Eilif Dahl, University of Oslo, Norway: "Climatological Interpretation of Postglacial Pollen and Microfossil Records"; David G. Frey, Indiana University: "Wisconsin and Post-Wisconsin Palynology of Eastern North Carolina"; Patrick Butler, Harvard: "Pollen Studies of Smalls Swamp, Cape Cod, and of the Barnstable Marsh, Cape Cod"; Alan C. Donaldson, University of Massachusetts: "A Microfossil Analysis of a Cape Cod Peat Bog"; Heikki Ignatius, Yale: "Late-Glacial and Postglacial History in North-Central Quebec—Ontario, Canada"; L. R. Wilson, University of Massachusetts: "Peat Pollen Studies in the Region of Eastern Ontario, Canada"; Estella Leopold, Yale: "Current Pollen Studies in Certain River Terraces of Northeast Wyoming"; William S. Benninghoff, U. S. Geological Survey: "Some Applications of Palynology to the Earth Sciences in Alaska"; Daniel Livingstone, Yale: "Some Pollen Diagrams from Northern Alaska"; Calvin J. Heusser, Yale: "Additional Pollen Profiles from Southeastern Alaska"; Margaret K. Wolfe and E. S. Barghoorn, Harvard: "Fossil Maize from the Valley of Mexico"; K. H. Clisby, F. Foreman, and L. Zeevaert, Oberlin College and Mexico City: "Fossil Pollen and Stratigraphy from Two Deep Cores under the City of Mexico"; Richard P. Hamilton, University of Massachusetts: "Plant Microfossils in the Lower Wilcox of Arkansas"; Arthur E. Le Blanc, University of Massachusetts: "Microfossil Studies of Sediments from Rockport, Texas"; Elso S. Barghoorn, Harvard: "Pollen and Spores of the Brandon Lignite and their Paleoecological Significance."

The meeting included a conducted tour of the Geochronometric Laboratory by Dr. Deevey and a buffet supper at the home of Dr. and Mrs. Sears. An opportunity was also afforded for the examination of microscope slides to members of the conference. Enthusiastic response to this meeting stimulated an invitation from Stanley A. Cain for a Second Palynology Conference to be held at the University of Michigan next year. Abstracts of papers presented at this first meeting are planned to be included in the forthcoming issue of the *Pollen and Spore Circular*.

CALVIN J. HEUSSER
Osborn Botanical Laboratory
Yale University

Hunt Institute for Botanical Documentation

1956. Geogr. Rev. XLVI: 579–580.

with military conquests, which carried the Arabian camel eastward to India and westward to Egypt and North Africa.—G.M.W.

GEOGRAPHICAL NEWS

THIRD NATIONAL POLLEN CONFERENCE. Pollen, spores, and other microfossils preserved in bog and lake peats were first treated comprehensively on this continent by Väinö Auer. His investigations in southeastern Canada in 1927 stimulated the development of pollen analysis in North America. Since that time hundreds of pollen diagrams of such peat sediments have been prepared. These form the basis for a considerable part of our understanding of plant migration and concomitant environmental changes during the Pleistocene epoch. In recent years pollen research has become more far-reaching and now is being widely used in connection with pre-Pleistocene deposits, particularly those related to petroleum and coal. The increasing number of uses to which pollen analysis can be applied has interested investigators other than botanists and thus brought into association a varied assemblage of disciplines; for example, medicine, archeology, and oceanography. Accordingly, problems have become more diversified and require intimate exchange and discussion. It is for this reason that several recent pollen conferences have been valuable. The first was held at Yale University early in 1953; a second conference was included in the program of the Botanical Sciences Section of the American Association for the Advancement of Science meetings in Boston in December of that year. The Third National Pollen Conference was held at Oberlin College, Oberlin, Ohio, May 18–20, 1956. Sixty-five scientists attended, including botanists, zoologists, geologists, and geographers from various parts of the United States and from Denmark, Germany, and Canada. Cochairmen for the meeting were Mrs. Kathryn H. Clisby of the Department of Geology and Geography at Oberlin, Dr. Paul B. Sears of the Conservation Program, Yale University, and Dr. Calvin J. Heusser of the American Geographical Society's staff. Partial support was provided by a grant from the National Science Foundation.

The conference began with a 43-mile field trip in northern Ohio, in which 35 persons participated. The beach ridges of the former glacial lakes Maumee, Whittlesey, and Warren were visited, and attention was centered on the regional arboreal communities—beech and sugar maple; hemlock and white pine; sycamore, box elder, and slippery elm; and pin oak, American elm, and black ash. The trip had been planned jointly by the Department of Botany and the Department of Geology and Geography so as to take into account both the vegetation cover and the glacial geology.

The following two days were devoted to formal papers, informal discussion, and demonstration material. On the second day participants met in three separate groups: the Northwest and Arctic; the East and Midwest; and the Southwest. These meetings were chaired, respectively, by Dr. Henry P. Hansen of Oregon State College, Dr. David G. Frey of Indiana University, and Dr. Charles E. Stearns of Tufts College. The last day of the conference consisted of a general meeting in which reports were presented by the section chairmen and invited talks were given. Dr. Johannes Iversen of the Danish Geological Survey spoke on "Aspects of Pollen Analysis," and Dr. Richard P. Goldthwait of The Ohio State University discussed "Conditions for the Preservation of Vegetal Remains near the Edge of an Ice Cap."

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Perhaps the most cogent points to be stressed were brought out in Dr. Iversen's presentation. He emphasized the need for several North American centers in which teams of scientists could work together and train students in the methods and applications of pollen analysis. The vastness of this continent and the diversity of its floras, as compared with Europe, make careful, systematic research by a corps of workers imperative. At the present time only a few laboratories exist, and these do not satisfy all requirements. Ideally, the laboratories should be staffed by at least a botanist, a zoologist, and a geologist and should be equipped with high-quality research apparatus. The increasing demand for pollen analysts, particularly by the petroleum industry, has necessitated a careful consideration of the manner and means of developing the field's potential manpower. At the same time, pollen analysis is rapidly being perfected as an exact tool that requires greater experience on the part of the analyst in adjunctive techniques, such as the identification of diatoms and other algae, protozoans, fossil seeds, fruits, and ligneous material, and a host of microscopic and macroscopic remains. Only by such comprehensive study can the ideals of palynology be attained.—C.J.H.

OBITUARIES

ALBERT BERTHOLD HOEN. On May 1, 1956, Mr. Albert Berthold Hoen, president of A. Hoen & Company in Baltimore since 1886, died in his 93rd year. Like his father, August Hoen, who had been associated with the firm since its establishment in 1835, Mr. Hoen was a master lithographer and map printer. Among his particular interests was the problem of color standards and nomenclature, and his technical understanding and esthetic appreciation of color are reflected in most of the Society's colored maps.

Apparently his first association with the Society's cartography was an insert map, drawn by William Briesemeister and published in the *Geographical Review* in 1916 (Vol. 2, Pl. V). When Mr. Hoen was approached by Dr. Isaiah Bowman in the early 1920's to undertake the reproduction and printing of a series of maps of Latin America, he embarked on the project with a personal interest. The 107 sheets of the Map of Hispanic America, 1 : 1,000,000 (1922–1945), reproduced and printed by A. Hoen & Company, stand as a monument in the history of the Society's achievements.

The firm's reproduction of the Society's Leardo map was achieved with such success that the facsimile is not readily distinguishable from the original except by close inspection. To a book describing this map (John K. Wright: The Leardo Map of the World 1452 or 1453, *Amer. Geogr. Soc. Library Ser. No. 4*, 1928) Mr. Hoen contributed a chapter, "The Reproduction of the Leardo Map." Another important association was the printing of the "Atlas of the Historical Geography of the United States" (1932).

Mr. Hoen was a gentle, thoughtful person and a friendly critic. He always sought to improve the Society's maps. As a light reprimand to the editor of the *Geographical Review*, he wrote as a footnote to a business letter: "We have reverted to the previously specified RED for the cultivated areas. The violet color would have given a little better areal distinction on the map, but as you have in the text designated RED for these areas there was nothing to do but print them in RED." On another occasion, when a query from Mr. Hoen had led to a re-examination of terminology, C. W. Thornthwaite wrote to the editor: "I am glad that you find it feasible to change 'macrothermal' to 'megathermal.' Mr. Hoen should have the credit for the suggestion."

In 1942, Mr. Hoen was made an Honorary Member of the Society in recognition

Hunt Institute for Botanical Documentation

New York University
A private university in the public service

Department of Biology

952 Brown Building
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Telephone: (212) 598-3435

Department of Biology
New York University
Box 608
Tuxedo, NY 10987

16 May 1983

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

Dear Al:

In your 20 April letter you asked about animal activity, including that of humans, with regard to the decline of podocarps at Laguna de Tagua Tagua.

I see no reason to believe that this factor comes into play here. The region today is simply too dry in summer and with too high summer temperatures to allow podocarps to grow and prosper. From the Chenopod-Amaranth pollen evidence, the region was also warm and dry for most of the Holocene. Only in the Andes under cooler and more humid conditions does the montane podocarp (P. andinus) thrive. The lowland podocarp (P. salignus) is perhaps most tolerant of summer climatic stress while the rain forest species (P. nubigenus) is the least tolerant.

What are you doing this summer?

Sincerely,

Calvin J. Heusser
Professor

Hunt Institute for Botanical Documentation

20 April, 1983

Dr. C. J. Heusser
Dept. of Biology
N.Y. University
Sterling Forest, P.O. Box 608
Tuxedo, NY 10987

Dear Cal:

Just read yours in Science 219: 1429 ff. Is there any chance that human activity (including goats etc.) is responsible for the present lack of podocarps?

Best to L.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

Hunt Institute for Botanical Documentation

20.X.80

Dear Al:

I hope the enclosed will substitute for the Encyclopedia of Palentology article I forbid I have no reprints.

Sorry to have delayed this response.
This being s personal subscriber from Sicily Mrs.

Carl Hamner

Hunt Institute for Botanical Documentation

26 August, 1980

Dr. C. J. Heusser
Department of Biology
N.Y. University
Sterling Forest, P.O. Box 608
Tuxedo, NY 10987

Dear Cal:

Just read your chapter on palynology in the Encyclopedia of Paleontology. Do you get reprints thereof? I'd like one. Otherwise, must xerox. Interesting treatment.

Did you miss 5IPC--you were on the program, but I didn't see you. I was, of course, "took up" with other matters and could have just missed you.

Best wishes.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

Hunt Institute for Botanical Documentation

March 9, 1973

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

Dear Cal:

Thanks for yours of 3 March and especially for the information you gave me about A.D. 1950 being recognized as "zero". It seems evident to me that by the year 3000, about which we should perhaps be thinking, it would be much more reasonable to be able to add the current date to the B.C. figure than to have to make the extrapolation which will be necessary from the year 1950. Think aboutitt. Do you want to leave a mess like that for the year 3000?

Best wishes to you and Linda.

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT/vsi

Hunt Institute for Botanical Documentation

NEW YORK UNIVERSITY
Washington Square College of Arts and Science
Department of Biology
651 BROWN BUILDING
WASHINGTON SQUARE, NEW YORK, N.Y. 10003
AREA 212 598-3435
Box 608
Tuxedo, New York 10987

3 March 1973

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

Dear Al:

Thank you for your thoughtful letter acknowledging the reprints Linda and I sent you some time back. We are pleased that you find them of value.

You ask about how I became interested in working on the north Pacific coast. It all started in 1949 at Oregon State where I took my Ph. D. While there, I had an opportunity to spend summers with the Juneau Icefield Research Project in the Coast Mountains of southeastern Alaska. I quickly caught a fever for Alaska, spent eight summers there, and my love for the region has never left me.

Concerning your caveat regarding chronological matters, perhaps you are unaware that B. P. has a zero point in the same way that B. C. has. By convention among radiocarbon chronologists, ages are based on A. D. 1950. I like to think in an absolute way when involved with time, rather than be confronted by having to add 2,000 years or so in order to reach an absolute age if B. C./ A. D. is used. Personally, I think it is a matter of individual background. I simply have never thought of Pleistocene ages on this time base while you have. And I feel that the argument is analagous to the one involving Pleistocene and Recent time divisions or Pleistocene right down to this moment in the sense of Flint. I consider Pleistocene to be now.

With every good wish from Linda and me.

Sincerely,

Cal

Calvin J. Heusser
Professor of Biology

Hunt Institute for Botanical Documentation

February 8, 1973

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

Dear Cal:

Many thanks to you and Linda for the reprints which recently arrived. I have read them with considerable interest and would some day like to hear how your research aims got centered in the northwestern section of North America. It certainly is a nice area in which to work from what I saw at the International Botanical Congress in '69.

One minor daveat which I have wanted to argue with you and Linda about and maybe already have--I protest strongly the continuing use of people in Quaternary work of "B.P.". Whereas B.C. is a form of dating with reference to a fixed point, "B.P." is not, and as decades and centuries go by it will be inconvenient for people to make the necessary mental conversion. I urge return to B.C. and A.D. for totally non-theological reasons (even the Soviets use them!).

Best wishes to you both.

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT/vsi

Hunt Institute for Botanical Documentation

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id <01HRZPDY204W1DYAG4@ACFcluster.NYU.EDU>; Thu,
22 Jun 1995 03:21:51 -0500 (EST)
Date: Thu, 22 Jun 1995 03:19:50 -0500 (EST)
From: HEUSSER@acfcluster.nyu.edu
Subject: Re: TCT
In-Reply-To: Your message dated "Wed, 21 Jun 1995 14:07:24 -0500 (EST)"
<50847.traverse@ems.psu.edu>
To: traverse@ems.psu.edu
Message-Id: <01HRZPUKOTM61DYAG4@ACFcluster.NYU.EDU>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; CHARSET=US-ASCII
Content-Transfer-Encoding: 7BIT

dear al- hateful term tct used in california- so I (by poressure of reviewers fr
think dave adam probly?
congratulations to Betty - and to you
to you on your wonderful career and contribution to your field
we are juswt about to leave cambridge uk where I have been
Fellow at Clare Hall for 6 glorious mos.
back toi NY - the lab and reality
best from both of us linda

Yours Fred.
Suggest Jane Gray
Estella Leopold

Hunt Institute for Botanical Documentation

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3-2-93

Dear PJ
Just back from
6 wks in Belize
with Col - Thanks for
your review - time is
not a problem -
Best to you &
your wife
Linda Newberry

Teatinos 180 P.O. Box 2272 - Teléfono 6982011
Télex 340222 CARRER-CK - Telefax (56 2) 6721083

ROCKLAND MPC NY 109
PM
2 MAR
1993

29 USA

D. PJ Tomaso
Dept. Biosciences
Penn State Univ.
Univ. Park
PA 16802

Hunt Institute for Botanical Documentation

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

15 February, 1993

Dr. Linda E. Heusser
Clinton Woods
Tuxedo, NY 10987

Dear Linda:

Just called Gail Chmura for instructions. She said to send MS to you. Talking with Ms. Chmura also gave me a chance to share a couple of concerns about the paper with her.

I have read the article with interest and profit. I have marked a number of things directly on the MS in red for consideration. Some of these are just typos and the like. However, a number of the figures and/or captions and discussion of them in the text need help. Fig. 2 says that it shows Berwick Bay, but it doesn't. For Figs. 4-9 I believe more information is urgently required in caption and/or figure, and think the linkage between figure and text must be improved. I have red-pencilled some of these comments on the MS. I hope you (or whoever) can read them!

It was only slightly embarrassing to call to Gail's attention the fact that Traverse's pollen-in-water work needs to be at least mentioned, at least for completeness. I'm thinking of both the transportation chapter in Paleopalynology and at least one of the Trinity River articles. I realize that Gail is not senior author of the paper, but the work will be understood by most to be closely associated with her, and she wouldn't want the appearance of intentionally omitting reference to my work. Over the phone she said she was surprised to learn of the omission, and of course the fact that she apparently recommended me as reviewer proves there was no intended slight!

Best regards, also to Cal.

Yours very truly,

Alfred Traverse

encl: MS, referee's sheet
c: G. Chmura

Hunt Institute for Botanical Documentation

from:
C. J. Heusser

October 6, 1972

Dr. Gily E. Bard
Dept. of Biological Sciences
Herbert H. Lehman College
Bedford Park Boulevard W
Bronx, New York 10468

Dear Dr. Bard:

Regarding the review of "On the occurrence of Lycopodium....", by C.J. Heusser, there was no form included with the manuscript, so I assumed that my review can take the form of a letter. The discovery which Dr. Heusser presents is of considerable interest, meets all the usual tests of novelty and obviously should be published.

I do have some comments which may be of interest and/or helpful.

I believe the writing could be improved in certain respects, and I have made comments below on some of these. Perhaps the most useful way to treat these would be simply to list them serially:

p. 1, l. 7 from bottom: I don't likethe expression proximal source. It would seem to me clearer to say "this frequency implies that the spores originated from nearby vegetation".

l. last on page: From the text, I deduce that what it should say here is "one half as wet" or something like that.

p. 3, first paragraph: I believe that this paragraph needs further explanation because some readers will assume that if pollen stratigraphic studies show a change in the vegetation, (and how else could there be evidence of a temperature change during the last 16,000 years as stated) there must be "fossil evidence". Apparently, the thing that has been lacking is "relict species", and the contribution this papers makes is to provide such, whereas pollen analytical studies are for the most part only good to the genus. In any case, I do believe this first paragraph should be rewritten slightly to stress exactly what has been lacking previously and what the present study has found.

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p. 4, third para., l. 1: What, exactly, is a biogenetic sediment? If peat is meant, why not say peat? If it is something else, I believe a more lithological description is required.

para. 2, l. 9: *Nothofagus obliqia* and other plant names require author names, at least the first time they appear on a page.

para. 3: The last two sentences should definitely be deleted--altogether superfluous in this paper.

p. 6, para. 3, l. 3: "Proximal source"--see previous comment.

p. 7, para. 2, l. 1: Needs a comma as noted.

l. 3: "Precise" for "exacting".

p. 8, l. 6: Insert "has" before "increased".

General, on the thesis of the paper: is the paleoecological conclusion really that good?--are no other factors operative in the distribution of *Lycopodium fuegianum*? It is a strong suggestion, yes, but on the basis of one species can we really conclude that the temperature and precipitation wherever it is found was precisely as it is where it now occurs?

Hope this is helpful.

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT/vsi

Hunt Institute for Botanical Documentation

NEW YORK UNIVERSITY

WASHINGTON SQUARE COLLEGE OF ARTS AND SCIENCE

WASHINGTON SQUARE, NEW YORK, N.Y. 10003

DEPARTMENT OF BIOLOGY

AREA CODE 212 SP 7-2000

Sterling Forest
P. O. Box 608
Tuxedo, New York 10987

6 February 1968

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

Dear Al:

I have been acting as thesis advisor for a student in the Department of Geology who at the present time is working toward a Master of Science degree. His name is Robert M. Berman, and he is seeking admission to your Graduate School with the intention of working under you toward a Ph. D. in palynology. Mr. Berman's area of thesis research is palynology, and he would like to continue working in this area. At the present, he is engaged in a study of late- glacial and postglacial lake and bog sections from the region of the late-Wisconsin terminal moraine on Staten Island, New York.

I think the man is pretty keen, although he needs to have the corners rounded off so-to-speak as regards his abilities in the laboratory and in the field. But I believe this will come with greater maturity. He has an exceptionally good head on his shoulders and is able to express himself well both orally as well as in writing. I feel confident he will be able to make a significant contribution to the profession.

This brings personal best wishes.

Sincerely yours,

Cal

Calvin J. Heusser
Associate Professor

Hunt Institute for Botanical Documentation

CATALOG OF FOSSIL SPORES AND POLLEN

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THE PENNSYLVANIA STATE UNIVERSITY
UNIVERSITY PARK PENNSYLVANIA 16802
U. S. A.



THE
INTERNATIONAL COMPENDIUM
OF
PALYNOLOGICAL SYSTEMATICS

October 6, 1969

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

Dear Cal:

I note on going through various papers about the AASP convention that I never did answer a message written at the bottom of your letter of 19 July, regarding the exchange of pollen slides. It brings up a question of ethics which somewhat troubles me and which I would like to discuss with you perhaps at the chicken barbecue or somewhere! I have felt for some time that we in palynology do not derive enough tangible benefit from our profession, compared with my colleagues in other branches of geology (especially geology) and biology. I can outline my views on this in more detail for you if you are interested, but in connection with pollen reference slides, I feel that we ought to derive some dollar and cent benefit from the labor involved. I therefore began a couple of years ago declining to make one for one exchanges of the sort you propose. Instead I buy reference slides from people who have them available, if funds are available, and if the slides are of interest to me in my work. I also sell slides on the same basis to other laboratories. It's perfectly legitimate, the institution or one's research pays for it, and it seems a great deal more fairer to me. If everybody would cooperate, we in palynology could be deriving income from this source. If this be treasonable, I will have to be shown why.

Looking forward to hearing more from you on this subject, and especially looking forward to seeing you here at Penn State, I am

Yours very truly,

Alfred Traverse
Associate Professor of Geology
and Biology

AT:kc

Hunt Institute for Botanical Documentation

NEW YORK UNIVERSITY
WASHINGTON SQUARE COLLEGE OF ARTS AND SCIENCE
WASHINGTON SQUARE, NEW YORK, N.Y. 10003

DEPARTMENT OF BIOLOGY
Sterling Forest
P.O. Box 608
Tuxedo, N.Y. 10987

AREA CODE 212 SP 7-2000

14 March 1969

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

Dear Al:

Thank you for your 7 March letter telling me about the setup at Penn State. We certainly will keep you in mind. I was pleased that Doug Nichols went out to you in order to finish his degree. Last year I recommended you for a post-M.S. for a student here, but apparently the deal (as I remember) he received from Minnesota was more attractive. Nevertheless, I will do my best to influence the students here to head in your direction.

With every good wish.

Sincerely,

Calvin J. Heusser
Associate Professor

Hunt Institute for Botanical Documentation

March 7, 1969

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

Dear Calvin:

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

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

Please keep us in mind.

Yours very truly,

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

Hunt Institute for Botanical Documentation

January 10, 1967

Dr. C. J. Heusser
American Geological Society
Broadway & 156 Streets
New York, New York

Dear Cal:

Our mutual friend, Doug Nichols, who is now working with me here, has shown me your paper, "Late-Pleistocene pollen diagrams from the province of Llanquihue, Southern Chile", Proc. Amer. Phil. Soc., 1966. I have enjoyed reading the paper and would appreciate a reprint, if you have one available. It may be that you sent me one to a previous address, and it has not caught up with me as yet.

If you ever get into the general vicinity of PSU, Doug and I would both appreciate a visit--of course, State College is hardly on the way to anyplace except, perhaps, Clearfield.

Best wishes.

Yours very truly,

Alfred Traverse
Associate Professor of Geology

AT:kaw

Hunt Institute for Botanical Documentation

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

14 January, 1993

Dr. Linda E. Heusser
Clinton Woods
Tuxedo, NY 10987

Dear Linda:

A letter from Gail Chmura came a couple of days ago asking if I would review a paper by her and Ian Campbell. The paper is intended for a symposium publication under your aegis. I am willing to do the job. She said I could inform either you or her "before 15 January." That is pretty difficult, especially to Montreal--Gail's letter was postmarked 29 Dec. 92. Maybe you'll accept this if it's postmarked by the 15th?

All the best to you both. One of these days I want to talk to you again about how you organize the nuts and bolts of working independently. The pressures to retire here could become irresistible.

Yours very truly,

Alfred Traverse

Hunt Institute for Botanical Documentation

March 21, 1968

Dr. V. Hevia
Instituto Nacional del Carbon
Asturias 7
Oviedo (Espana) Spain

Dear Dr. Hevia:

In connection with some of my research (see enclosed reprint), it would be very interesting to me to investigate a small sample or two of Spanish jet (German: Gagat). The literature contains several references to Spanish jet--as being imported by the English for the manufacture of jet brooches and the like, and in general terms in Gothan's book, Kohle. No place that I have looked so far contains any reference to the geographic location from which Spanish jet is obtained, nor the stratigraphic position at which it occurs. If you could provide me with a small piece or two of Spanish jet from your museum collections, it would be much appreciated.

Yours very truly,

Alfred Traverse
Associate Professor of Geology

AT:kwc

Enclosure: reprint

Hunt Institute for Botanical Documentation

May 18, 1967

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

Dear Professor Hewitt:

Roger Kolvoord has sent me a copy of his letter to you of 15 May, 1967, regarding a paper we have prepared on Utah jet. I hadn't realized, or had forgotten, that Roger felt that he would require permission to publish this little paper. If he is right, can informal permission accomplish the trick, or will we need to list anpublication number, plus "publication authorized by....etc."?

Yours very truly,

Alfred Traverse
Associate Professor of Geology

AT:kaw

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Hunt Institute for Botanical Documentation

Marshall C. Hewitt
G-clef Oji #505
7-4-15 Nakahara-dori, Nada-ku
Kobe-shi, Hyogo-ken
657 Japan

December 26, 1986

Professor Alfred Traverse
Palynological Laboratories
Department of Geosciences
Deike Building
Penn State University
University Park, PA 16802 USA

Dear Professor Traverse:

I just received your letter. Despite my and their directions, I'm glad you sent the Harvard and MIT forms directly as well as the others. It saves me the trouble, and also the worry of being at the mercy of overseas mail. Thank you very much for your help, and for your prompt response. Once again, I apologize for getting them to you so near the deadline. Would you believe that I am even now waiting for a few key forms to come in from various departments?

I'll let you know how things develop. Best wishes for the new year to you and Mrs. Traverse.

Sincerely yours,

Marshall C. Hewitt

Marshall C. Hewitt

Hunt Institute for Botanical Documentation

see also student file

15 December, 1986

Marshall C. Hewitt
G-clef Oji #505, 7-4-15 Nakahara-dori
Nada-ku, Jobe-shi, Hyogo-ken
657 Japan

Dear Marshall:

All recommendations have gbnaein. Despite your and their directions, I have sent the Harvard and MIT forms directly too, with a covering explanatory letter.

Best of luck to you in your work.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

Hunt Institute for Botanical Documentation

86 年 12 月 1 日

Hewitt

Dear Dr. Traverse,

I apologize for getting these materials off to you so late. I wanted to send them all together to avoid losing any forms. I would have sent the rest earlier had I known how long a couple of schools would take in sending me everything. (I just received the last of them today.)

At any rate, here are all the recommedation forms. I'm applying to six programs in all, as I told you in my previous letter. The deadlines are as follows:

Brown - Jan. 2 (send directly)
Yale - Jan. 2 (send directly)
Harvard - Jan. 7 (send back to me)
MIT/WHOI - Jan. 14 (send back to me)
Maine - Feb. 15 (send directly)
PSU - Feb. 15 ← (For Financial support) (send directly)

Please take into consideration that Harvard and MIT/Woods Hole require the recommender to send the letter in a sealed envelope back to the applicant, to be sent in with all the other materials. I'm discovering that everything takes approximately three times longer to get done from Japan than via domestic U.S. mail. Again, I'm very sorry if this is inconvenient for you - it was

株式会社 神戸製鋼所

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unfortunately beyond my control.

For your information, I've enclosed a copy of my personal statement to Brown as a guide to my general goals, research interests, motivation etc.. The other applications will have similar statements altered slightly for each individual application form. (My Penn State application will be much more specific since Dr. Cuffey and I have already discussed thesis topics.) I also thought you might find the other enclosure interesting - my latest endeavor which recently appeared in the Wall Street Journal's weekly publication on Asian business.

Once again, thank you very much for your help and support. Merry Christmas!

Sincerely yours,

Marshall

P.S. Am also enclosing a copy of my last grade report from Penn State, indicating my final grade point average.

Hunt Institute for Botanical Documentation

24 October, 1986

Mr. Marshall C. Hewitt
G-clef Oji #505
7-4-15 Nakahara-dori, Nada-ku
Kobe-shi, Hyogo-ken
657 JAPAN

Dear Marshall:

Surprise to hear from you! What a great and enviable opportunity you've had in Japan!

I am of course ready to write letters for you, though I don't know you as well as I would have, had you taken palynology. I would think you'd be a cinch to get in everywhere, unless there is a problem I don't know about (are your GRE scores o.k.?).

All the best.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

Hunt Institute for Botanical Documentation

Marshall C. Hewitt
G-clef Oji #505
7-4-15 Nakahara-dori, Nada-ku
Kobe-shi, Hyogo-ken
657 JAPAN

September 26, 1986

Dr. A.Traverse
Geology Department
Deike Building
Penn State University
University Park, PA 16802

Dear Dr. Traverse,

I must apologize for typing a personal letter but I'm afraid that my handwriting has become difficult for even me to decipher sometimes.

It's hard to believe that four years have already gone by since I left Penn State with M.S. in hand, ready to strike oil in Texas. (You may recall that I was the one who stunk up the third floor lab with lacquer spray while preparing my thesis samples for Dr. Cuffey -- for which I will be eternally sorry!)

Since then, I did indeed go to Texas and actually did strike oil, and gas, while working as a petroleum geologist for Texaco. I stayed with the company for three years and then decided to bail out of the oil industry before things got much worse. In retrospect, I left just in time because soon after resigning, a series of major layoffs hit virtually the entire industry and many friends in my old division at Texaco found themselves out in the street.

Last year, I was offered a unique opportunity to do research at a major Japanese steel company, Kobe Steel, and to learn about Japanese business, language, and culture. It was a chance that I simply could not turn down. I was given a choice assignment doing biotechnological research at Kobe Steel's elite Mechanical Engineering Research Laboratory. I have also become one of the main technical editors and English advisors for all of the papers published by our researchers.

I've not regretted my decision to come here for a second. However, in spite of the tremendously rewarding experience that it has been so far, I am once again looking to the future and have decided to return to graduate school next year for a Ph.D. . My reasons are many. Living and learning in Japan has been wonderful but I don't plan to stay here the rest of my life. Furthermore, while industry has been a truly invaluable teacher, I see more and more every day where, being oriented towards achieving only specific short-term results, it is too restrictive for my own intellectual goals and demands. I feel now that the only place where I can do the type and level of fundamental research that will hold my interest for a lifetime is in an academic setting.

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I also feel that I'm at a good point in my career to tackle doctoral level research. I'll be five years older than when I left Penn State and I'll have gained a tremendous variety of industrial experience including research, business, and - probably most valuable of all - writing. I'm trying not to appear boastful, but I do think that I have had opportunities to do a lot more than many of my chronological peers, which has greatly helped my professional self-confidence.

This last year has been especially important in that light. I had to start literally from scratch in two completely unfamiliar fields -- mechanical engineering and biotechnology. In one year, I have become the general authority on this project by acting as the liason between the mechanical engineers and the biotechnology people. (We're developing a commercial process to convert biomass into liquid fuels via enzymatic hydrolysis.) All of which proves to me that I can take on any research problem and work with it competently and successfully.

Having said all of this, I'll get to the point. I'm applying to some very competitive programs and will need three strong letters of recommendation. Of course Dr. Cuffey is my most obvious reference and he has reassured me that I can count on him. After discussing my plans with him over the past several months, I feel that the two other professors who would be in the best position to write effective evaluations of my research potential would be you and Dr. Schmalz. You were the only person besides Dr. Cuffey who served on my defense committee and who also had me enrolled in one of their classes. (I was in your Evolution course for which I received an A.)

I remember how during my defense you encouraged me to expand my thesis into a Ph.D. dissertation. Well, even then I knew deep down that you were right and that eventually I would return. But I think these years have been important in giving me a chance to mature and get some professional experience under my belt. Now I feel much better prepared for the rigors of a dissertation, and much more specific in my personal and academic goals.

For various reasons, I am applying to Harvard, Brown, Penn State, and University of Maine at Orono (Ira C. Darling marine research laboratory on the Damariscatta River). I want to concentrate my future research on the mechanics of evolution and the influence environment has upon that. Harvard and Brown have their close associations with Woods Hole, which offers unique interdisciplinary field and research opportunities that very few other programs, including Penn State, can quite match for these particular interests. There are excellent people at both places now doing exciting research in evolution. At Penn State of course, the department and I know each other which provides a certain headstart. Furthermore, Dr. Cuffey and I have an excellent personal and professional relationship and we could use that to overcome any advantages that other programs may have in field and/or funding opportunities in order to do some very interesting work with reefs -- my number one love.

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U. of Maine's Darling Center is like a miniature Woods Hole where Detmar Schnitker is working with foram biostratigraphy in the Gulf of Maine and also in the Caribbean. I've ranked Harvard, Brown, and Penn State as my three equal "first choices" and Maine as a second, primarily because of Maine state's dire financial condition which has wreaked havoc upon the university system. Still, the research opportunities there seem bright from an academic point of view.

As I explained to Dr. Cuffey, my concentration of choices in the northeast is for a variety of academic and personal reasons. One personal reason is an increase in certain family responsibilities and obligations that I see approaching in the near future.

I've enclosed this resume with which you can catch up on my recent activities. Dr. Cuffey can fill you in on any other details. I'm very eager to begin doctoral research now and I would be most grateful indeed for your help and support.

I'm planning a quick vacation trip back to my home in New Hampshire this October during which I'll contact Penn State for application materials. But unfortunately, my tight schedule precludes making a personal appearance in State College this time before sending in the application. If you feel comfortable about writing recommendation letters for me, please let me know at your earliest convenience and I'll send you the schools' individual forms as they arrive.

My address here in Japan will be the best place to reach me since I'll only be back home for a couple of weeks.

I look forward to hearing from you.

With best regards,

Marshall Hewitt

EATON'S
CORRASABLE
BOND
USA
BERKSHIRE

Hunt Institute for Botanical Documentation

Marshall Cooper Hewitt
Geologist

CURRENT ADDRESS

G-clef Oji #505
7-4-15 Nakahara-dori, Nada-ku
Kobe-shi, Hyogo-ken 657 JAPAN

U.S. ADDRESS

Box 791
Wolfeboro, NH 03894 USA

PERSONAL BACKGROUND

Born: October 24, 1953, Weymouth, Mass. USA
Citizenship: U.S.
Marital Status: single
Foreign Languages: - Japanese (conversation, limited reading knowledge)
- French (reading, limited conversation)

EDUCATION

M.S., Geology, Penn State University, University Park, PA, 1982, GPA 3.5.

B.S., Geology, University of New Hampshire, Durham, NH, 1980, GPA 3.1.

Postgraduate Study, Geology, Harvard University, Cambridge, Mass., 1975-76, GPA 3.3.

A.B., English, Vassar College, Poughkeepsie, NY, 1975, GPA 3.2.

STUDENT ACTIVITIES AND ACHIEVEMENTS

- Geology Dept. scholarship for summer field camp, UNH, 1980.
- Associate editor of Miscellany News, weekly Vassar College newspaper, 1973-75.
- Cofounder and Editor-in-Chief of Miscellany News Magazine, monthly supplement of Miscellany News, 1975.
- Reporter for daily Harvard Crimson, summer 1975.
- Rowing Crew, University of New Hampshire, 1973.

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EMPLOYMENT

1985-Present: Biotechnological Researcher and Technical Editor, Mechanical Engineering Research Laboratory, Kobe Steel, Ltd., Kobe, Japan. In my current research at Kobe Steel, I am coordinating efforts between the Mechanical Engineering and Biotechnology Sections to develop an effective industrial process for converting biomass into liquid fuels via enzymatic hydrolysis. I am studying enzyme/substrate relationships, mass balance and process flow, as well as comminution. In addition, about half of my time is spent as technical editor and English advisor for the many publications that come out of this and other research laboratories throughout the company. In the last year, I have edited and rewritten over 100 abstracts, full papers, and oral presentation scripts on a variety of scientific, engineering, and business related subjects.

1982-85: Petroleum Geologist and Paleontologist, Texaco USA, Southern Exploration Division, Houston and New Orleans. I was in Texaco's paleontology laboratory for about one year, concentrating primarily on Oligocene-Miocene Gulf Coast foraminifera. In addition to laboratory and well-site identifications and recommendations, I worked with another paleontologist cataloging Texaco's type collection, and redefining stratigraphic tops in our Gulf Coast cross-sections. This involved much optical and electron microscopy. I then worked as a petroleum geologist during which time I conducted a major regional study of onshore Louisiana, and supervised several development and exploration wells. I successfully drilled two locations of my own in south Texas, one a 5000' Frio on-structure wildcat oil well, and the other a 16000' Vicksburg gas well which became Texaco's largest onshore wildcat discovery for 1984. While at Texaco, I also assembled an excellent personal type-slide collection of represenative Tertiary Gulf Coast foraminifera.

1980-82: Teaching Assistant and Laboratory Coordinator for Introductory Geology course, Penn State University, University Park, PA.

1980 (summer): Laboratory and Field Assistant, University of Maine, Ira C. Darling Center for Research (Marine Laboratory), Walpole, ME. Recent estuarine sediment collection and sieve analysis, wave and current analysis.

1979-80: Laboratory and Field Assistant, University of New Hampshire, Jackson Estuary Laboratory. Recent estuarine sediment sieve analysis. (30-40 hours per week while attending UNH.)

1977-78: Hardware Buyer, Wolfeboro, NH.

1976-77: Amoco Service Station Manager, Wolfeboro, NH. (Full-time while attending UNH.)

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1975-76: High School Teacher, English, Kingswood Regional High School, Wolfeboro, NH. (Full-time while attending Harvard.)

RESEARCH INTERESTS

Paleontology (bryozoa, foraminifera), ancient and modern reef ecology, evolution, biotechnology (enzyme/substrate relationships), comminution.

RESEARCH AND PUBLICATIONS

Technical Papers:

M.C.Hewitt and R.J.Cuffey, In Prep., Patch Reef Bryozoans of Komaka Island Okinawa.

R.J.Cuffey and M.C.Hewitt, In Press., Silurian Bryozoan Reefs -- A Midway Phenomenon (Canadian Reef Research Symposium, Banff, Alberta).

M.C.Hewitt and R.J.Cuffey, 1985. Lichenaliid-Fistuliporoid Crust-Mounds (Silurian, New York-Ontario), Typical Early Paleozoic Bryozoan Reefs (Fifth Int. Coral Reef Congress, Tahiti).

R.J.Cuffey, L.S.Zimmerman, M.C.Hewitt, and D.R. Kobluk, 1985. Modern Bonaire Reef-Crest Bryozoans as Paleoecological Models -- Abundances, Diversity, and Sampling Scales (Geol. Soc. America).

Theses (unpublished):

M.C.Hewitt, 1982. Bryozoan Reefs in The Middle Silurian of New York and Ontario -- Fistuliporoid Bioherms on the Irondequoit-Rochester Boundary in Niagara Gorge. (M.S. thesis, Penn State University, University Park, PA).

M.C.Hewitt, 1975. George Bernard Shaw: A View of Education. (A.B. thesis, Vassar College, Poughkeepsie, NY).

Major Technical Reports at Kobe Steel:

M.C.Hewitt, 1985. High Resolution Microscopy of Lignocellulosic Structure in Wood.

M.C.Hewitt, 1986. Economic Study of Producing Ethanol from Lignocellulosic Biomass.

M.C.Hewitt, 1986. Process Flow Designs for Pretreatments, Cellulose Saccharification, and Ethanol Production from Biomass.

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M.C.Hewitt, 1986. Optimum Physical Conditions for Wood Crushing and Enzymatic Hydrolysis.

M.C.Hewitt, 1986. Wood Properties Related to Biomass Conversion Processes.

M.C.Hewitt, 1986. Materials for Crushing and Hydrolysis Test Plant Equipment.

M.C.Hewitt, In Prep.. Process Design for pH Control System in Wood Hydrolysis Test Plant.

M.C.Hewitt, In Prep.. Glossary of Biomass and Bioprocessing.

Other Articles:

M.C.Hewitt, In Press.. New Fight on an Old Battleground: Jetport Threatens Okinawan Coral Reef. (The Asian Wall Street Journal).

M.C.Hewitt, 1985. Personal Space: My Shrinking Universe. (Kobe Steel Report).

M.C.Hewitt, 1986. Style in Technical Writing, Part One: Abstracts and Papers. (Kobe Steel Communicator).

M.C.Hewitt, 1986. Style in Technical Writing, Part Two: Oral Presentations. (Kobe Steel Communicator).

M.C.Hewitt, In Prep.. Labeling Graphs. (Kobe Steel Communicator).

SELECTED FIELD EXPERIENCE

1978, West Virginia, (stratigraphy)

1979-80, Maine and N.H. coast, (estuarine sediments)

1980, Wyoming and Idaho, (stratigraphy)

1980-82, Pennsylvania, (stratigraphy, paleontology)

1981, New York-Ontario, (Silurian reefs)

1981, New Brunswick, (bryozoans)

1982-85, South and East Texas, (oil and gas drilling, foraminifera)

1983, East Texas, (ammonites)

1984, Bonaire, (reefs, bryozoans)

1986, Mt. Fuji, Japan,(volcanics)
Okinawa, (reefs, bryozoans)

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MEMBERSHIPS AND PROFESSIONAL AFFILIATIONS

American Association of Petroleum Geologists.
Society of Economic Paleontologists and Mineralogists.
Japan Amateur Pilot Association.

INTERESTS AND HOBBIES

Classical violin since age four, kayaking, skiing, flying (U.S. and Japanese private pilot's license), history, literature, coin and stamp collecting.

CURRENT ACTIVITIES

I have recently become heavily involved in the fight to save one of Okinawa's last living coral reefs at Ishigaki Island from being paved over to build a new airport of questionable necessity. This has taken form as a telephone and letter writing campaign, in addition to writing articles for popular publications in order to draw international attention to the problem. I will soon have a feature article appearing in the Wall Street Journal's weekly supplement, The Asian Wall Street Journal. I am also planning and writing other similar pieces.

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