



Hunt Institute for Botanical Documentation
5th Floor, Hunt Library
Carnegie Mellon University
4909 Frew Street
Pittsburgh, PA 15213-3890
Telephone: 412-268-2434
Email: huntinst@andrew.cmu.edu
Web site: www.huntbotanical.org

The Hunt Institute is committed to making its collections accessible for research. We are pleased to offer this digitized item.

Usage guidelines

We have provided this low-resolution, digitized version for research purposes. To inquire about publishing any images from this item, please contact the Institute.

Statement on harmful and offensive content

The Hunt Institute Archives contains hundreds of thousands of pages of historical content, writing and images, created by thousands of individuals connected to the botanical sciences. Due to the wide range of time and social context in which these materials were created, some of the collections contain material that reflect outdated, biased, offensive and possibly violent views, opinions and actions. The Hunt Institute for Botanical Documentation does not endorse the views expressed in these materials, which are inconsistent with our dedication to creating an inclusive, accessible and anti-discriminatory research environment. Archival records are historical documents, and the Hunt Institute keeps such records unaltered to maintain their integrity and to foster accountability for the actions and views of the collections' creators.

Many of the historical collections in the Hunt Institute Archives contain personal correspondence, notes, recollections and opinions, which may contain language, ideas or stereotypes that are offensive or harmful to others. These collections are maintained as records of the individuals involved and do not reflect the views or values of the Hunt Institute for Botanical Documentation or those of Carnegie Mellon University.

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.

November 4, 1970

Dr. Frederick Bachhuber
Department of Geology
Central Missouri State College
Warrensburg, Missouri 64093

Dear Dr. Bachhuber:

I was interested to see the abstract of your paper for the GSA meetings, "The Effects of Differential Preservation and a Pollen Analytical Study." Unfortunately, I shall be unable to attend the meeting in Milwaukee. I would have liked to have heard your paper and discuss it with you. The subject of differential preservation is one close to my heart and interests. I do hope that if your paper is published, particularly with details about your techniques, that you will keep me in mind as somebody to receive a reprint. I am enclosing a paper of mine which may be of some slight interest. Looking forward to meeting you someday, I am

Yours very truly,

Alfred Traverse
Professor of Geology and Biology

AT/vsi
Encl: reprint

Irving Widmer Bailey

1884-1967

2

If I were allowed only one word to describe Irving Bailey that word would have to be "integrity."

Integrity was apparent in everything he did: his research, his teaching, his long and loyal service to the University that he loved, and in his relationships with his fellowmen. Paraphrasing a familiar quotation from Molière one could say:

"If everyone were clothed with integrity," as was he, "if every heart were just, frank, kindly," as was his, no other virtues would be needed.

As a scientist Professor Bailey received world-wide recognition for his research on the forms and functions of the tissues of trees. It may be true as one poet has said, that only God can make a tree but it is well within the capabilities of man to learn how trees are made and how they function. And since trees occupy almost a fourth of the land surface of the globe these are not trivial problems but are among the most fundamental in the entire field of botany. This he recognized early in his career and he subsequently devoted the greater part of that career to the solution of these problems.

His research was motivated less by curiosity than by a desire to construct an integrated body of knowledge about the tissues of woody plants that would be valid and useful not only to this generation but through the generations. His research has architectonic qualities.

His photomicrographs of the anatomy of woody tissues are masterpieces of clarity and they also have a unique beauty which reflects the beauty that he saw in the preparations which he studied. Like his father, a distinguished astronomer who, through his telescope, saw beauty in the stars of the firmament, so the son, a distinguished anatomist, saw, through his microscope, the beauty of the cells and tissues of the forest trees. There was a strong strain of the artist in Irving Bailey.

As a teacher Professor Bailey was at his best with advanced students and younger colleagues. He had none of the flamboyance that in less serious times appealed to the undergraduate taste. Not a dynamic lecturer, his knowledge of his subject was so vast and his preparation so thorough that he customarily lectured for fifty minutes without a single note. However, it was in his personal conferences with students and in the example which he set them that he became a truly inspiring teacher whose influence on his students was so lasting that a number of them now enjoy the same world-wide recognition which he himself had earlier achieved.

Professor Bailey never regarded himself as an administrator but when he was asked during the years of World War II to study the botanical situation at Harvard, which was then in a chaotic state, and to make recommendations for its improvement he gave up two years of his research to this formidable task. Because of his intimate knowledge of the history of Harvard's several botanical institutions and because of the confidence that all Harvard botanists had in him, he was able to persuade ten independent, virtually autonomous, botanical institutions, which had previously been too proud to stand together and too weak to stand alone, to join forces in working for the good of botany as a whole without sacrificing their own specified objectives. Although this reorganization, which came to be known as the "Bailey Plan," was subjected to criticism, as are almost all innovations, it served its principal purposes and botany at Harvard is today the stronger because of it. The criticism from some quarters, directed at its author,

he bore for almost two decades with fortitude and courage, knowing that he had done the right thing.

It was as an elder, whose integrity and judgement I respected, and as a warm and loyal friend that I knew Irving Bailey best. Coming to Harvard forty-six years ago as a graduate student from a midwestern state, I was for a time awed by its academic splendor and noble traditions, bewildered by its complexities, and all too aware of my own shortcomings. It was during this period that Dr. Bailey, although not officially my mentor, gave me advice, not of the fatherly kind for he was not that much older but the advice of a wise and understanding brother. It was he, more than any other member of the Harvard Faculty, who helped me to gain confidence and to finish my graduate work in a reasonably respectable fashion; it was he who, at my oral examination before the entire august faculty of the Bussey Institution, seeing the stress under which I labored sought to put me at ease by asking several questions which he knew quite well I could not fail to answer. But having put me somewhat at ease he then took me through a round of searching questions. Others among us could tell similar stories of the kindness that he combined with his uncompromising standards.

Thus there began for me, more than forty years ago, a deep respect for Professor Bailey which after my return to Harvard in 1940 ripened into a friendship and a warm affection that I shall always treasure.

We shall miss him sorely for, having never really retired, he was with us working daily in his laboratory almost until the end. But the inspiration which he has given us and the esteem and affection which we have for him will have a place in our memories so long as memory lasts.

PAUL C. MANGELSDORF

A tribute read at the Memorial Service for Irving Widmer Bailey,
Memorial Church, Harvard University, May 19, 1967.

May 20, 1955

Professor I. W. Bailey
Biological Laboratories
Harvard University
Cambridge 38, Mass.

Dear Professor Bailey:

A copy of your paper with Miss Marsden, "A Fourth Type of Nodal Anatomy...." came recently with a packet of reprints from Professor Wetmore. I am glad to have the reprint and am still very interested in the subject, despite present preoccupation with coal petrographic matters!

Read the story in the Alumni Bulletin about your impending retirement -- does one congratulate a professor on his attaining emeritus status? Anyway, I know this will make little difference to your activities -- except for freedom from certain onerous duties.

Betty expects to attend her Wellesley reunion in June, and I hope she will be able to convey our greetings in person.

Very truly yours

Alfred Traverse
Head, Fuels Microscopy Laboratory

✓
cc ATraverse/dw

9 June 92

Judith Bailey
Geosciences, PSU

Jaile 403, UPR, MA 16802, USA

Faxed to 001-814-863-7823

EMPFÄNGER	:	DEPT OF GEOSCIENCES
SENDER	:	SNG KUHWALDSTRASSE
DATUM	:	09 JUN '92 11:07
DAUER	:	00'45
MODUS	:	STAND
SEIT.	:	01
ERGEBNIS	:	OK

Dear Judith,

Yesterday and today are holidays here,
but I came in to check mail, etc.,
and yours of 4-VI-92 was here (we
were in Kiel, comforting a dear friend whose
wife, also a close friend, died of cancer a
couple of weeks ago). You did right,
because the guy's promotion could depend
on my opinion. I'll phone them to see
what to do (today is deadline).

Good to know about plgo! Bad to know
about John G.'s death. You're right -
it's been a difficult year for bad news.

Betty is now only 2 wks. from flying
to USA.

Best,

As

PENNSTATE


 Department of Geosciences
 June 4, 1992

(814) 865-6711

 The Pennsylvania State University
 503 Deike Building
 University Park, PA 16802

FAX: 069-794-004-37

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

Dear Alfred:

I am faxing a letter that you received just today (June 3). Since Lynne Hughes wants a reply by June 9, I knew that you would never receive this through the mail. Do you wish to respond to this letter? There are 23 pages of attachments to this letter (quite expensive to fax), however, if you really need to see them, I'll see what I can do.

In case you are wondering about not receiving any mail from me, it is because there has been nothing of significance to mail to you. Most of it stays here or was junk. I will have one more envelope for you which I will ship out on June 10 as stated in your last letter to me.

Your 2 boxes of clothing arrived last week, and just yesterday, 2 more boxes arrived addressed to Betty Traverse. All in good shape.

We are all fine here. Our weather has been very cool at night and only in the 60's and 70's during the day. We are getting rain, but it seems to come on weekends. Today it is finally up in the high 70's or low 80's but more rain is on the way for the next few days. According to some authority, we are still not out of our drought conditions from last summer. Only 2 months ago, did Governor Casey lift the ban on washing cars, and watering lawns, etc. As soon as he did that, and I had the ok from our local water company in Aaronsburg, I had my aluminum siding washed down on the house. It was black from all the cinders and dust from this past winter. It looked like a brand new house when they were done with it.

Dr. Griffiths passed away Sunday night. For quite some time now, he has been ill, but this was totally unrelated to any of those problems. He got a infection and it went to his liver. You may recall that we celebrated his 80th birthday on February 29 with a big bash up at the Nittany Lion Inn. He looked really good every time that I saw him after that. This has been some year for losing friends in our department.

Duff Gold takes off for field camp on Sunday. Al Guber just got back from teaching at Wallops. And so life goes on.

Take care.

attachment.

Faxed to 01-814-863-7823
from: 069-794.004-37

7-V-92

Judith Bailey
Deike 405-PSU
etc.

EMPFÄNGER	:	DEPT OF GEOSCIENCES
SENDER	:	SNG KUHWALDSTRASSE
DATUM	:	07 MAI '92 14:57
DAUER	:	00'36
MODUS	:	STAND
SEIT	:	01
ERGEBNIS	:	OK

Dear Judith—

Your 2 pp. from yesterday were here this a.m. (arrived 8:28;— or does that mean sent at 8:28?). The letter from 23 April had not come and won't until the strike is over. Thanks for caring for the glasses problem. # Yes, I took care of the ballot etc. — faxed all directly to Jean Shannon. # We didn't even know Buzz G.'s wife was sick — we heard from V. Ziegler that she died. We remember her mostly from Jean's dinners — as recently as (12?) years ago she seemed vivacious. Pity. # Also didn't know C. Howell was ill — Ben has lost so many family members in a decade. Will write. # Am shipping off a new MS today — to publisher! Federal Express. Go to meeting in England next wk
Best, Alfred

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

faxed to 001-814-863-7823

6 May, 1992

Judith Bailey
Geosciences
Deike 403
University Park, PA 16802

Dear Judith:

My trifocal glasses (plastic lenses) got so badly scratched that I had to get new lenses here. They were incredibly expensive (over \$200, just for lenses--I had frames). Could you please call Employee Benefits to find out:

1. if I'm entitled to any assistance from the optical part of PSU insurance?

2. if so, what sort of info do I need to provide?

Thanks! Answer can go in my next package.

Best.

EMPFANGER : DEPT OF GEOSCIENCES
SENDER : SNG KUHWALDSTRASSE
DATUM : 06 MAI '92 10:53
DAUER : 00'35
MODUS : STAND
SEIT. : 01
ERGEBNIS : OK

Yours very truly,

Alfred
Alfred Traverse

AT/et

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

faxed to 001-814-863-7823

4 May, 1992

Judith Bailey
Geosciences
Deike 403
University Park, PA 16802

Dear Judith:

Thanks for your fax of 29 April, which with the new arrangement (machine ~~at~~ next door to my office instead of in the main building a half-mile away) reached me in minutes!

As you see, we now are convinced this is a winner, and we are using the new number. However, please hang on to the old number, should the new one some day not work! (I am a little concerned about maintenance.)

Re stopping the mail: Betty will be back on the evening of 25 June (and will probably visit the office the next day). I get back the evening of 1 July. I would say to send a last package on 10 June, and after that just pop mail into the box (mountain?)

Thanks for Rue's address!

My host here was operated on for cancer on Good Friday, and is now getting radiation. I talk to him on the phone, but our cooperation is obviously over for the rest of my stay here. One of our best friends in Germany died of cancer in Kiel last week, but we couldn't go to funeral because of the strike (which seems to be getting worse).

All the best.

EMPFÄNGER : DEPT OF GEOSCIENCES
SENDER : SNG KUHWARDSTRASSE
DATUM : 04 MAI '92 10:51
DAUER : 00'39
MODUS : STAND
SEIT. : 01
ERGEBNIS : OK

Yours very truly,

Alfred
Alfred Traverse

*Hi, Judy! Thanks for giving
message to Marsha. Betty*

Hunt Institute for Botanical Documentation

Judith Bailey
Dear Judith,

I had seen the
letter before - you
faxed it here.

The envelope w. to the famous check ³/₄ business
cards, just came (I now have my own key to the
mail + fax room - wow!). Encl. is
the consulting-activity sheet, which you are
supposed to give to Joyce Tricic in 503.

Also in, in the same mail; ^{a second} envelope with
two sets to review (ugh), and the American (thanks!).
~~Got me notes from Judith (in second envelope -
the notes are you had faxed to me a while back).~~

Just got back from 4 days in London.
Hard work but fun. England looks great and
both England and Germany look to me to be in (far)
better shape than the USA. And we think we
can afford to support a half million US
soldiers in Europe!?

All the best,

~~Yours~~ affectionately,

AS

enclosure

FORSCHUNGSINSTITUT UND NATURMUSEUM SENCKENBERG
PALAEOBOTANISCHE SEKTION
SENCKENBERGANLAGE 25
6000 FRANKFURT A.M. 1, DEUTSCHLAND (Germany)
fax: 069-794-004-37 or 069-746-238
phone: 069-794-004-50

*new #, next
to my office
- try first*

29 April, 1992

faxed to 001-814-863-7823

Judith Bailey
Geosciences
Deike 403, PSU
University Park, PA 16802

Dear Judith:

Your most recent package just in. Enjoyed the papers, but no note from Judith!

We're having a total post-rail-bus-garbage, etc., strike, so I thought I'd better fax this. We have already shipped 2 boxes of clothes to you [but they are probably sitting somewhere because of the strike!]. If and when they come, they go in 435A.

My royalty check from U.K. that you mentioned in last package was not in this one. I would like to have it.

To save on postage, you could dump most envelopes (if address is on inside).

All the best.

*[P.S. : Judith, could you
fax me an address etc. for
David Rue - use wooden card
box in Betty's office - or call
Anthropology - Archbold - where he
got Ph.D.]*

Yours cordially,



Alfred Traverse

P.S. Could you pass word to Martha (T.) that strikes here will almost certainly delay mail, so she should (1) keep writing and (2) be patient. Thanks. Hi to all!

Betty

NR. : 008
EMPFÄNGER : 44 071 380 7706
SENDER : SNG KUHWARDSTRASSE
DATUM : 29 APR '92 13:33
DAUER : 00'50
MODUS : STAND
SEIT : 01
ERGEBNIS : OK

PENNSSTATE



Department of Geosciences

(814) 865-6711

The Pennsylvania State University
503 Deike Building
University Park, PA 16802

April 29, 1992

FAX: 069-794-004-37 or 069-746-238

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

Dear Alfred:

Was out of town for several days, and when I returned your fax was waiting for me.

Too bad about the all around strike. I hope it doesn't delay things too much.

Your royalty check is in the mail. And speaking of mail, you'll have to tell me when to stop forwarding it to you.

I passed your message on to Martha T. about the delay in mail delivery and being patient and she said thanks for it and she loves you.

See the address for David Rue below, its directly from Betty's address box.

From now on you will receive only the inside letter as per your request.

We are making preparations for graduation on May 16, classes are over on Friday, May 1.

Sincerely,

Judith

David J. Rue (wife: Marie
son: Jason, ca. 1987)

3D/ESI
781 Nees Rd., Suite 5 phone: 513-922-8199
Cincinnati, OH 45233 fax: 513-922-9150

home: 3523 Craig Ct.
Cincinnati, OH 45211
phone 513-481-3760

An Equal Opportunity University

PENNSTATE



Department of Geosciences

(814) 865-6711

The Pennsylvania State University
503 Deike Building
University Park, PA 16802

April 8, 1992

FAXED to: 069-746-238

Handwritten: Mrs. Cards

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

Handwritten: Post & watch for



Alfred:

I opened a brown envelope that to me looked like junk mail. However, it contained a British check for **Royalty Accounts** for the period ending 31 December 1991 (dated 31st March '92) and a form that says **Remittance Advice** in the amount of **£ \$272.27**. What are your wishes for the check and the invoice? **The check is from Routledge, Chapman & Hall Ltd., Hampshire, England.**

Whatever you request, I will do.

Mim also said to tell you that she is ordering the same textbook for Fall 1992 for Geosc. 423 as in the past, and I am returning the reserve list to the Library keeping the same as in the past. If there are any changes or cancellations in those transactions, you can make them when you return in a few months. I trust this meets with your approval.

Weather warming up a bit, crocus & daffodils are up and blooming, tulips starting to push through the ground.

Mim says hello to you and Boty.

Take care.

Judith

Hi Betty!

An Equal Opportunity University

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

28 March, 1992

faxed to: 814-863-7823

Ms. Judith Bailey
Dept. of Geosciences, Penn State

Dear Judith:

Your most recent envelope contained no note to cover the return of my very painstakingly (because of lack of access to my files) filled-out "EMS Faculty Activity Summary" for 1991. Could you fax me back an explanation of this (#1 below) and also #2: fax number here is 069-746-238 (the 069 is for Frankfurt--I believe you drop the 0 when sending from U.S.; you will also have to include the country code for Germany).

1. After we borrowed a (poor!) typewriter to fill out the form, spent a fortune in stamps to send it to "Responsible person, 116 Deike", and actually got it there before the deadline, it came back, along with the original envelope, and without answers to the three items in section B we had hoped one of you could just fill in for us from your records, namely: Said Alhajri's and Dale Beeson's thesis titles and Dale's middle initial. Can you let me know if a copy of this report got to the people in the Dean's office as intended? I'll hang on to the original sent back to me until I hear.

2. I had written Carmen, requesting xeroxes of a few pages of something, and had expected them to be included in one of your packets. Did Carmen contact you about sending these pages? Is Carmen there? We haven't heard a word from her and are wondering.

All the best. Thanks for the papers. Greetings to Mim and anyone else you see.

Yours very truly,

Alfred

Alfred Traverse

AT/et (hi, Judy!)

10 Mar. 1992

Judith Bailey

Jeike 403

PSU - Univ. Park, PA 16802

USA

Fax No.: 814-863-7823

Dear Judith:

Two problems you could help us with:

1. There is a book in PSU library, Briggs & Crowther, 1990, "Palaeobotany."

I need a complete biblio. reference.

A xerox of title page on which you write the total page no. and date of pub.

would be best. If it's not in GMS Lib,

one of librarians can make you a print-out

of the info from one of their programs -

would also be good.

2. I need a xerox copy of an article from Vegetines for Feb., 1990,

the whole article that includes pp.

43-44. (It's incredible that no library

closer than Berlin has these things!)

Please answer to me.

Sorry, Alfred

PENNSTATE



403 Deike Building

Department of Geosciences

February 26, 1992

FAX No. 069-746 238

(814) 865-6711

The Pennsylvania State University
503 Deike Building
University Park, PA 16802

865-2262

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

Dear Alfred and Betty:

I am sorry that I haven't written oftener, but time isn't always free when I decide to mail out your package. Mim got into the Student System and this is the address that has come up for Dale Beeson. We noticed on the records that he had his diploma sent there, so it has to be it.

P.O. Box 50905, New Orleans LA 70150-0905

Good luck with it.

I'm glad to hear that Betty is having some fun while she is there, when are you (Alfred) going to have some?

This coming Saturday night, Duff Gold will be throwing an 80th birthday party for John Griffiths. His birthday is actually on the 29th. So it will be a fun party. Quite a few of his former students are coming, and one of his former secretaries and I will be going also. It is at the Nittany Lion Inn. Duff also has told us that Dr. Osborn has bladder cancer, but they have operated and apparently they got it all and he will be ok.

Mim says hello to both of you. And one of the other secretaries sends you her love.

We have been having some rain. Most days are dismal and drippy, no real hard downpours (which is what we really need). We are still considered a drought area and that is scary.

That is about it for now.

Take care.

Love,

Judith

An Equal Opportunity University

Stanford University
Geology Dept.
Stanford, CA 94305

28 June, 1982

Ms. Judith Bailey
Geosciences
303 Deike
University Park, PA 16802

Dear Judith:

This is very important. Dr. Lance at NSF instructed me to prepare a revised budget, as shown, for continuation of the Triassic project, as shown on the enclosed sheets:

1. budget for the 8 months, 15 August, 1982-15 April, 1983
2. budget for the year, 16 April, 1983-15 April, 1984
- 3 summary budget for the two periods combined
4. new cover page showing changed dates and changed amount

He also requested a statement of explanation, which will be page ²⁰ 6. I enclose these items. They need to be shown to Don Fornwalt to be sure they're o.k. Then they need to be prepared in the usual (20?) ^{25?} number of xerox copies as if they were a new proposal. They require signatures in addition to mine, which ~~are~~ already affixed (at least Vice Pres. for Research, I believe--Fornwalt will know). They are then sent to: (along with covering letter enclosed)

Dr. John F. Lance
Geology Program, National Science Foundation
1800 G St. NW
Washington, DC 20550

Dr. Lance will then take apart the copies of the original proposal and insert these new and/or corrected pages.

THESE THINGS MUST BE DONE IMMEDIATELY IF WE ARE TO BE FUNDED BY
* 15 AUGUST. Just take the whole bundle to Don--he will know what to do.
Sorry to lay this on you, but you're the logical one.

See you soon.

Yours very truly,

Alfred

Alfred Traverse
Professor of Palynology

AT/et
encl: various NSF items

* or even perhaps
at all

P.S. Dr. Lance was expecting
this yesterday - he knows all
the numbers, etc.

8 April, 1981

Ms. Judith Bailey
Pennsylvania State University
Department of Geosciences
303 Deike Building
University Park, PA 16802 USA

Dear Judith:

Thanks for yours of 29 March--an exciting day. When all is said and done, for and against gun control, and such, the question remains, why does this happen so often in USA and almost never in other civilized countries?

The 'flu' is long since gone. As I write, Betty has gone to Lucerne for the day (it's a 3-star city in the Michelin guide, and she didn't want to miss it.) --Hi, Judy. I'm back--had a great day in Lucerne, which is about as far away from Zürich as Lewistown is from State College. Betty---

I am up to my ears in microscopy, calculations, correspondence, conversations (in German) with my colleagues here, etc. !

In case the last letter miscarried--after 25 April, hold everything--put 1st class mail in a separate box or place. We'll be in the office on the 19th of May, probably pretty late (if I can get a vehicle started!). We arrive in Huntingdon on the 18th on the night train from New York.

Regards to Margaret--you don't comment on her vertigo, so it must be better?

All the best to you too.

Yours very truly,

Alfred Traverse
Visiting Professor

AT/et

P.S. I wrote Carmen--thanks for the news. There was live-coverage of the assassination attempt here on the radio, but we had already gone to bed (it was about 10 p.m. here). I heard it at 7 a.m. the next morning on the German news program to which I always listen (I don't understand Swiss, only German). That was about midnight that day, your time.

31 March, 1981

Ms. Judith Bailey
Pennsylvania State University
Department of Geosciences
303 Deike Building
University Park, PA 16802 USA

Dear Judith:

Most recent packet was here when we returned from a 4-day palynological convention in France. One item in the packet was a form-letter about a convention in Canada which I couldn't attend if I wanted to (will be here). Let's have you open things that have a 'formy' look to them and throw them in the box with magazines if that's what they are.

Another item was the enclosed bill. This was for the color slides that were sent over here a while back. They are for my palynology course (next offered in Fall Term, '81). Would you explore the possibility that the Department would pay, as they're for teaching? If not, pay from my research budget as soon as it's reactivated. And, if neither of those possibilities works out, hold for my return.

Which reminds me--forward NOTHING AT ALL AFTER 25 APRIL. Just put the first class items in a separate box for my immediate attention when we get back. We will be in the office on the 18th of May, God willing.

Regards to all. Happy Easter!

Yours very truly,

Alfred Traverse
Visiting Professor

AT/et
encl: bill

Penn State University

March 29, 1981

Dear Alfred and Elizabeth:

News flash! President Reagan has been shot in the chest. Several other newsmen have been wounded too, he is in stable condition and conscious. He's been taken to George Washington University Hospital. A white, guy in his early 30's has been arrested. We have the radio on and it is pretty exciting around here. I am also enclosing a clipping from the Collegian today, I'm pretty sure you know this person.

Guess what? I'm bored! It has finally happened, all my work is caught up and I don't know what to do with my time. I hope it doesn't last too long, being bored is as bad as being too busy. Received your letter on Friday, Margaret received one too. She is back from her vacation and she had a really good time.

It has been overcast and raining off and on all day today. We had such a perfect weekend, I hope no one is complaining about this rain, because it was sunny and up in the high 60's both Saturday and Sunday. Unfortunately, I was inside typing a thesis, but I opened my window and left the warm breeze blow in. Filled my clothes line with laundry and really enjoyed the weather.

I don't really have any further news items. I guess the above is bad enough. Everyone is fine, hope is all ok with you. Hope you feel better soon and tell Betty to just keep telling those germs to go away.

Always,

Judith

Judith

Police log

Laura Secor, 525 W. Prospect Ave., was struck by a car driven by Carmen J. Tavera (graduate-botany) on Friday, State College police said.

Laura was running west across South Atherton Street at the time of the accident, police said.

Tavera told police that she stopped her car to allow Laura and her sister Anna Secor to cross. Tavera told police Anna ran across the street, but Laura remained in the left turning lane.

Police said Tavera told them that when she began to drive on, Laura ran in front of her car.

Laura received injuries to her mouth and nose and was taken to

Centre Community Hospital, police said.

She is in fair condition, a hospital spokesperson said yesterday.

65807

19 March, 1981

Ms. Judith Bailey
Pennsylvania State University
Department of Geosciences
303 Deike Building
University Park, PA 16802 USA

Dear Judith:

That was a great letter of 11 March--much enjoyed. I especially appreciate the pocket protectors--they are precisely what I wanted. I assume there was still a little cash left in my 'slu^{ch} fund' to pay--if not, please let me know. Thanks so much!

We just had an "onion snow" ("sapling-bender"?) here, too. And quite cold for here (ca. 29-30^o). Snowdrops, ranunculus, and jasmine are out in profusion. Also pansies, set out last fall.

Too bad about your car. What America needs is more public transportation, so that the day, in, day-out trips would be by bus or train.

So glad to hear about the new photo board. The old one was a scandal. But my old photo was very good and fairly recent, so it's fine. Also glad to hear about DC's job--but he and Ron have really not written me enough--I expected at least bi-monthly reports.

Betty and I go to Strasbourg, France, for a paleobotanical meeting next week. We also have got our tickets for return trip. We are going to stop over in Iceland again for 48 hours on the way back. This time we'll rent a car and drive to some places on our own.

I have had the 'flu' and still feel terrible. Betty is so fit that germs just say, wow!, and pass by on the other side. All the best.

Yours very truly,

Alfred Traverse
Visiting Professor

AT/et

P.S. The most recent package had \$6.15 postage and conatined mostly a reprint, which will now have to be sent back in 60 days. It was first class, but I would say to go ahead and open such heavy things even if 1st class--if a reprint, don't forward, just chuck in my box. As high as US postage is, Swiss postage is twice as much. Postage for a post-card is 60¢ US, and the card costs 25-30¢, so we don't send many!

Penn State Univ.

March 11, 1981

Dear Alfred and Elizabeth:

Guess what I found for you?! Dotty told me they had some at the bookstore and yesterday Margaret was going over, so she picked some up for you. Dumb me, never even thought of the Bookstore, oh well, here you are.

Got up this morning to a white ground, and snowed rather hard on the way to work, but now it has quit, supposed to change to rain later today, its warmer out so I know it won't last. A couple of weeks ago when the weather was so warm, crocuses were up and all sorts of flowers started to pop up their heads, poor little things probably got nipped last week.

My daughter got the next to the lead in South Pacific that Penns Valley is putting on in may. She's "Bloody Mary", and so we are excited about that. Who knows maybe we'll have another Martha Traverse coming up. Ha Ha.

Its always nice to hear you say how "nice" Margaret and me are when you write us about the secretarial help over there. Sometimes you need to hear how much you are appreciated, it helps believe me!

Registration is now going on for Spring Term. Tomorrow classes start once again. Boy where does the time go, pretty soon you two will be back in State College. Most all the faculty are back from term break. I typed a thesis during that period at home, my arms weren't so tired from typing all day in here. I possibly might have to purchase another car. My mechanic says there is nothing more to patch under the body of my car. Its just rusted away. I could look down to the road at one place on the floor. So woe is me, I am not looking forward to car payments again. Now I'll really have to burn the midnight oil typing.

I go to Hershey for a routine checkup next month. Everything is fine as far as I know, just need them to check things and make sure. Dr. Wright is back from the desert, he brought me a big bag of dates. Boy are they yummy. I gave up sweets for Lent and am on 1000 calories a day, hope I can lose some pounds before summer clothes come out. Everyone back here is doing fine. Dr. Rose's mother passed away on March 9. He's been in and out of the office. You are going to just love the photo board out in the hallway by my door. Larry Garmezy took all new photos of everyone (except you, you weren't here), and he bought some kind of brown board that you can push pins into. Then he got a map of Pennsylvania and a Structure Map and has pins and

black string going from names to their thesis area. I hope you can get the picture. Each color of pin coordinates with the type of geology each in interest in. It is really neat! Two of the other students helped him get it all together. By the way, Duck Choi is going to be in charge of the Equipment Room for Spring Term. So far he has done nothing in return for his assistantships, so they thought this he could handle. I see Ron periodically, but not too often, I told him to tell Duck to write to you, have you heard from Duck at all by this time?

I have just taken the fifth box of mail up to your table in the outer office. Boy you sure do get a lot of stuff!

We'll must get busy here, hope you like the pocket protectors. I don't believe I didn't get them before this.

Love,

Judith

3 March, 1981

Ms. Judith Bailey
Pennsylvania State University
Department of Geosciences
303 Deike Building
University Park, PA 16802 USA

Dear Judith:

Yours of 24 February arrived today. Re the invoice--it can wait. By the way, mercilessly open all such things and throw away envelope and extra copies before sending. The postage is incredible. Which reminds me that somebody sent a package of teaching 35 mm. pictures to me (they were for use at PSU)--postage was over 20 dollars (hi, Judy--am using stupid French typewriter today which has no dollar sign). Tremendous expense for postage made me feel bad.

Didn't know Dr. Manula, but am sorry to hear. I am also sorry to hear about Dr. Stefanko--such a nice person. But he has been on "borrowed time", I suppose.

Sounds as if my colleagues are doing plenty of travelling--fun expense accounts for you, eh? And, just think, I'll be gone 6 months, and no expense account!

As long as Margaret is dizzy, in my opinion she should cut out the running, but I wouldn't be able to convince her, I'm sure.

That was a great letter from you. I am so glad you like to see your typing in print--I'll get up a nice long MS for you!

Nothing special here. My lecture in Basel went well--Basel is a marvellous place--museums, the Rhine, etc. We are going to Prague next week on "business".

All the best.

Yours very truly,

Alfred Traverse
Visiting Professor

AT/et

Penn State University
February 24, 1981

Dear Alfred and Elizabeth:

Well Spring arrived here last week, it was in the 50's all week. We have had a lot of rain, Dr. Schmalz is afraid though that it is all running away because the ground is still frozen. He is giving a lecture and question and answer period tomorrow night on how to save water, etc. Lets hope some of this rain has helped. We got 2 inches last weekend alone, not counting all this week so far.

It has turned cooler today, its trying to spit snow. Hope it fails. I am ready for warmer weather.

I am enclosing an invoice which I opened, because the return address looked familiar. Then I checked back and found out that we had ordered from this place, but it was volume 19. This is for volume 20. If you want me to order this, return it to me and I will make out the proper form.

I don't know if you knew Dr. Charles Manula over in Mining or not? Well, he died on Friday morning. He was 50. He discovered he had cancer while we were on Christmas break, he never made it back to his office. It was just everywhere. He was a heavy smoker, but he sure didn't last long. Dr. Stefanko is not very good at all, Margaret said today that he has more or less given up, he won't do his exercises anymore and doesn't care, I guess.

Dr. Gold is in Houston for a few days, Dr. Wright returns from Death Valley in a week and a half, and Dr. Scholten is going to Costa Rica next week for a few days or a week, one of his students is there doing his thesis research and he is going to meet him.

Margaret feels better, maybe I hadn't told you she was having some trouble with dizziness ever since the middle of December. She has been having a lot of tests done, and they think maybe the blow to her head from her accident last year may be causing this problem. She is feeling a lot better though and running her usual 2 miles every noon hour.

I am typing a guidebook for Rudy and Al Guber for a workshop March 6-7. I even took one manuscript home over the weekend to do it. It's interesting and is going to look really good when it is all compiled. I always feel proud when I see my typing (whether it be a thesis, guidebook, etc.)

Well gotto go, sorry to rush, but a little news is better than no news at all.

Take care.

Always,



24 February, 1981

Ms. Judith Bailey
Pennsylvania State University
Department of Geosciences
303 Deike Building
University Park, PA 16802 USA

Dear Judith:

Yours of 18 February arrived today--only six days! It was a fun letter.

Glad to hear about the arrival of moisture. Of course, Pennsylvania is not likely to have a real drought. The gasoline prices sound fierce--of course, we were paying about \$1.25 in November as I recall.

Regards to Margaret--sorry about the vertigo. It probably isn't serious, but ~~will~~
will bear watching.

Don't worry about the pocket-protectors (that is the correct name). They always carried them at Murphy's, but the personnel there are not too swift and may have misunderstood you. Or, maybe they really did discontinue them. Pretty soon I'll also be the only man in the world who still thinks galoshes are a good idea!

Term here is nearly over. I can then do a little research. This Friday I go to Basel to give a lecture (in German).

All the best.

Yours very truly,

Alfred Traverse
Visiting Professor

AT/et
encl.

P.S. Watch for "non-profit organization" envelopes--there ~~was~~ was one of them in this batch--an AAAS advertisement.

file

Penn State

February 18, 1981

Dear Alfred and Elizabeth:

Before I forget to tell you the Airmail rates are \$.40 cents/half ounce. Margaret sends a lot of stuff airmail, so she is on top of the amount these days.

Our water situation has improved in Aaronsburg, here they discovered a leak in the line going to one of the homes, and it was fixed pronto! Our reservoir is now full and going full speed. Its like a miracle. We had about 5 inches of snow on Sunday, the 7th, then on Monday and Tuesday it started to rain, we got 2 inches of rain and by Wednesday, the roads were closed because of poor drainage and lakes of water across the highway. We had to turn around and come to work over the Centre Hall Mountain. It got very cold then, and the kids had a ball ice skating. Now since Sunday, it has been up in the 50's. It rained a wee bit, but today the sun is out and it is supposed to get up to 56. Boy, am I glad, this gives my furnace a rest. I got fuel for my home the beginning of December and it was \$1.09/gallon. On February 6, I got again and it is now \$1.29/gallon! I couldn't believe it. Gas is up to \$1.37/gallon now.

Margaret has been getting a lot of tests done for a dizzy spree she has had since December. The doctors think this is coming from her accident last April. She still promises a letter, one of these days, so hold on.

Soon the term will be over, then before you know it you will be home. You certainly do get a lot of mail. I have taken atleast 3 boxes of junk mail up to your office already. Dr. Gold has been having a faculty meeting every Friday, something about the exams still. I have put all notices and results into your box of mail, some day you will come across all of this stuff, after you sift through the magazines, etc. I guess I told you I can't find a pocket protector anywhere. I checked all over downtown, they don't exist. Some time I'm at the Nittany Mall I'll look around, and see if I can find any.

Sounds like Betty is having a good time, keeping slim. As usual, I'm struggling with the old pounds, they go on much faster than they come off. Sure is discouraging.

Well, must get busy, hope I have answered all your questions, I think about answering them, then when I write, I forget to, but this time I did.

Take care.

Jessith

17 February, 1981

Ms. Judy Bailey
Pennsylvania State University
Department of Geosciences
303 Deike Building
University Park, PA 16802 USA

Dear Judy:

Enclosed is the "Faculty Commitments" sheet filled out by AT to the best of his ability. He was somewhat thrown off by the dates "Fall 1979...Summer 1980" since these are long past, but perhaps you can figure out what's going on. As you know, Ron Litwin will continue to be supported by the Triassic budget through the 81-82 year, Norrie will finish unassisted this summer or spring, and AT has been trying his best to get a proposal through NSF to fund Duck, so far without success, although he was assured just before we left for Switzerland by NSF that the proposal would be funded. Dr. Burnham knows all about this, and the news so far is not good.

Now about the other enclosure, one copy of which I'm sending back to you. You and/or Carol have sent us this before, and I tried to explain in a previous letter about it. As I recall, I went in to Camera Shop on 11 November (I think with a limited order in hand) to get a few darkroom supplies (the Dextol and RCF paper) and to pick up processing having to do with Duck's work and our own research (not Triassic) which we supposed the department would pay for. However, the processing items were not ready, so Camera Shop agreed to let me have the photo supplies and to hold the whole transaction until the processing was ready. In the meantime, of course, we left for Switzerland, so I instructed Duck to pick up the order, which I suppose he did on 2 December (according to the bill). What is not clear to me is why they keep sending bills, because I thought they had a limited order to pay for the stuff. However, I had a lot of other things on my mind at the time, and it is possibly I have this transaction confused with another one. The expenses were legitimate and somehow should have long since been paid for. The Camera Shop has been very helpful to us and we wouldn't want them to be put out. Somewhere in either your or (more probably Carol's) records there must be some clarification of this entire matter. I hope so. That's all the help I can give you.

Hé, Margaret! Wish the secretaries here were as nice as you two, but I know we have told you about the local dragons already. All goes well here, still very busy for AT but I'm having a ball. Today is a red-letter one--we got five letters from parents and children, none with bad news or indications of any impending crises. For the most part, things seem to be going smoothly on the home front in our absence.

Best always,

Petty

004523

Customer's Order No. LO 510026		Phone No.		Date 11-11 19 80			
Sold to GEO SCIENCES							
Address							
City							
Paid By		Cash	C.O.D.	Charge	On Acct	Mdse. Retd	Paid Out
Qty	Description	Price	Amount				
1	16M DERTOL	2.60	2 60				
1	100 5X7 POLY IIRCF		17 28				
1	PROCESSING DOP SLIDES		3 22				
1	PROCESSING COPY NEG'S		14 81				
			002 2503 2/12/80		37.91 TL		
			002 2503 2/12/80		37.91 TL		
			DEC 17 ENTD 002 2503 2/12/80		37.91 TL		
			002 2503 2/12/80		37.91 TL		
			1/31/81				
All claims and returned goods MUST be accompanied by this bill.							
Rec'd. By <i>Elizabeth Traversel</i>							
Tax							
Total 37 91							

©The Drawing Board,
Dallas, Texas

* G35

Thank You!

Hunt Institute for Botanical Documentation

f

6 February, 1981

Ms. Judith Bailey
Pennsylvania State University
Department of Geosciences
303 Deike Building
University Park, PA 16802 USA

Dear Judy:

Yours of 22 January, as you realized, was a shock. We are not close friends of the Whites, but we did eat lunch with them occasionally. What a tragedy. You don't say how bad Nikki is, poor dear. Thanks very much for the address, as I do want to write.

Re the IDT you sent. It is legit.--was for Litwin's and my work on the Triassic project. There was a special item in the budget for SEM (Scanning Electron Microscopy) time. I am returning the IDT to refresh your memory about what we're discussing!

Too bad about the water. I read about the NE USA drought just today in my Zürich paper (Tages Anzeiger). Betty and I pray that our great (50 gal./min.) deep well in Huntingdon will be o.k. In the past I even watered little trees with 500 ft. of hose! (Which reminds me that my caretaker reports that the deer depredations in our absence have been terrible.)

Nothing much here except work for me, but Betty is hiking a lot as usual, both formally and informally, and she really is getting to know everything about Zürich. I can report vast improvement in my German--and none too soon. I have to give a one-hr. lecture in German in Basel in three weeks!

Return the love and kisses to dear Margaret--why didn't she ever mention this when I was there in person? She's fun. Tell her I had a very nice letter in long-hand from Joe Paterno. I had written him to report I heard the Pitt-PSU and OSU-PSU games on Armed Forces Radio, and I made a suggestion he go to bat to get the line for kickoff moved back at least 5 yds. because run-backs are becoming extinct. He says he has got my suggestion put on the agenda! Incidentally the highlights of the Super Bowl were on the German TV channel we get--a sort of "get-to-know-America" program. The Germans are considering taking up the game. All the best.

Yours very truly,

Alfred Traverse
Visiting Professor

AT/et
encl: IDT copy

1-22-81
PSU *[Signature]*

Dear Alfred and Elizabeth:

I am enclosing a copy of an IDT that came to you to be paid and I wanted to make sure it was legitimate. Its a lot of money and what category does it come out of? Just write on the copy and return to me I have the IDT here in my office.

Well, the Hostages are finally on their way home. Great news! Lots of happy people, huh?

On the homefront though the water situation worsens with each passing day. State College has now put "restrictions" on the use of their water. Dr. Schmalz visioned this happening years ago, but like the people in Aaronsburg, "nothing" was done about it then, everyone waits for a crisis then they do something. Carol Vonada up in Dr. Burnham's office has been out of water in Pleasant Gap for about 2 weeks. The line that comes to her part of town has frozen up because there is not enough water to keep it flowing through.

Three sad things have happened here, as I typed in Dr. Scholten's letter, Gene Williams father passed away, Estelle Burnham's father passed away last Friday, and Will White (MRL) Son Brion, 18 years old was killed in a car crash on Sunday. His sister Nikki (Geosciences major) was injured and her boyfriend is in a coma in Geisinger. She came home yesterday. It happened near Benton, PA, they had been to a park ice climbing, and were on their way home. Brion was driving a van and for some strange reason left the road and flipped on its side. He was majoring in Meterology here at the University. It just sickens me when I think of something happening to Babette at this young age. Here is the Whites address incase you wanted to send them a note: 542 Glenn Road, State College, PA 16801. They are going to have a memorial service on Friday night for him.

Now some happy news, one of our graduate students wife had a baby boy yesterday, Colin Booth, don't know if you know him, but he sure was a happy father yesterday. Margaret is well, as is Dr. Gold, me, Dotty and most everyone else. Margaret says hello to sends love and kisses. There is a virus going around, bad cold, headache, etc. so far I have escaped it, lets hope it continues.

I'm sorry if I was abrupt in my last letter about your asking me to run errands for you. I get in a panic when my desk gets piled up and I have a lot to do. No one puts pressure on me, its just my nature to be very organized and get the work out promptly and accurately, I have been working like a trooper and so now it is slowing down a bit. I have the note from you to get the pen holders, but every time I go downtown, I forget to get them. Perhaps today will be the day.

Our weather is warmer, its actually in the 30's this week. Not much sun, but nicer out than it has been for awhile.

Well, must get back to work, pray we get rain you two, and take care, write when you have a chance.

Sorry for all the sad news, but news is news.

[Signature]

21 January, 1981

Ms. Judith Bailey
Department of Geosciences
Pennsylvania State University
303 Deike Building
University Park, PA 16802 USA

Dear Judith:

Yours postmarked 9 January came today! Outside mail is taking only six days. So, I deduce that PSU is the problem. Agrees with experience: take it to the P.O. or even an outside postal box, and it's 2-3 days faster, if it's something I need to get immediately.

Anyway--re the appointments:

Ron Litwin is to be appointed on the Triassic budget--that is all arranged with NSF (the only thing to come out of the budget during my absence). But is Litwin still there?--I have heard nothing from him.

Duck is A PROBLEM: Dr. Burnham's people can confirm that I had a proposal in the works with \$\$ for Duck--NSF said they'd work something out, but last I heard it is still being discussed. If that went through (Dr. Burnham will know), no problem--it supports Duck. If not, Duck has to be supported some other way--for example, teaching assistantship (might be what he needs, English-wise).

Sorry about the requests, but I have nobody else to ask, really. The only thing on the burner I know of is the shirt pocket protector. It's no big deal--just when you go downtown some day, go to Murphy's and get it.

All the best to you and to Margaret--your cheery faces are missed by us. The two secretaries here are A-1 pains-in-the-neck. Gotta dash. The last few days have really been exciting from the point of view of U.S. news--must go home to watch on German TV. The inauguration was carried live via satellite and today it's the hostages' release.

Yours very truly,

Alfred Traverse
Visiting Professor

AT/et

16 January, 1981

Ms. Judith Bailey
Pennsylvania State University
Department of Geosciences
303 Deike Building
University Park, PA 16802 USA

Dear Judith:

Two packages came from you yesterday--one in the morning (mailed 6 Jan.) and one in the afternoon (7 Jan.) The second one had the report thing--but I fear that without access to my files we can't do it? Enclosed is the best we could do from memory.

I sympathize re the piles of work. It's no picnic since we got back from Xmas break here either!

One day when you get a little time, please go to the dime store and get the two plastic shirt-pocket protectors I mentioned in an earlier letter (clear best, white acceptable), or ask Ron or Duck to get them--there is still a little in the "slush fund"? (Are Ron and Duck still there, by the way? Not a single letter from either of them, except a Christmas card from Duck. You could put letters from them in one of my packages, so it wouldn't cost them any money.)

We're o.k. I am getting to know quite a bit about the people from my activity in the (German-speaking) church. Betty sings in the choir at the Anglican Church, and has other activities, as well as the usual typing, filing, and lab work.

All the best--hello to Margaret.

Yours very truly,

Alfred Traverse
Visiting Professor

AT/et

encl: various enclosures, few letters to mail. Incidentally, I heard that "postage was going up". Does that mean domestic, or just overseas? In other words, is it still 15 cents for regular domestic letters?

Note: I am on sabbatical leave Winter Term--Spring Term 1980 (15 Nov., 1980-15 Mar., 1981) and don't have my files. Therefore, it is almost impossible to fill this out accurately, as I am at the Geological Institute, E.T.H., Zürich, Switzerland.

ANNUAL E.M.S. FACULTY ACTIVITY REPORT

CALENDAR YEAR 1980

NAME: Alfred Traverse DEPARTMENT: Geosciences

RANK: Professor

A. Instructional and Related Activity

1. Courses and Credits Taught During the Year

Course	No. of Sections	No. of Credits	Total Enrollment	Percent Taught By You	Remarks
Geosc-Biol. 423	1	3	16	all	very time-consuming-mostly individual
Geosc.-Biol. 526	individual	1-6	8-10	all	" "
Geosc.-Biol. 427	lectures	3	200	1/4	
grad. student research & supervision, etc.			4-5	all for most, 1/2 for one	
Geosc 21	1	3	30	all lectures	

2. Graduate Students Supervised (numbers) ^{numbers not available--am on committee for 3-4 Masters and 5-6 Doctorates}

Masters: directed _____ Doctors: Committee chaired _____
 committee member _____ Committee member _____

Graduate students completing degrees not sure, probably others

Masters: _____ Names: _____

Doctors: _____ Names: Lynn Brant

3. Continuing Education: Courses, seminars, institutes

Title and for whom	No. Weeks	Hours Per Week	No. Students	Extra Compensa. Yes/No
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

Correspondence Courses

Title	No. of Assign.	Credit or Unit	No. of Students	Extra Compensa. Yes/No
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

(Use Additional Sheets if Necessary)

see last year's report--don't have my files with me. Many projects underway, continuing from 1979 report. Will have much to report in 1981 as result of sabbatical activities.

4. Advising

Number of Undergraduate students 10

Number of Graduate students 45

5. Course Development (only new or departmentally revised courses)

<u>Title</u>	<u>Credit</u>	<u>Term to be Taught</u>	<u>New or Dept. Revision</u>
_____	_____	_____	_____
_____	_____	_____	_____

6. Course Supervision and Management

<u>Course Name</u>	<u>No. of Sections Per Year</u>
_____	_____
_____	_____

B. Research, Scholarly, and Creative Activities

1. Scholarly Research or Creative Activity Not Externally or Separately Budgeted

a. Projects Completed

Title

b. Projects in Progress

Title

2. Sponsored and Other Separately Budgeted Research

a. Projects Completed, in Progress, or Proposals Prepared

<u>Name</u>	<u>Submitted to</u>	<u>Dollars. Duration</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____

3. Research and Professional Production and Participation

a. Publications (Title, Publisher, Co-Authors, Journal, Volume, Date, Page Nos.)

b. Publications Submitted (Title, Publisher, Co-Authors, Journal)

c. Research Reports (Title, Recipient)

d. Participation in Scholarly and Professional Organizations (offices held, meetings attended, papers delivered, honors received)

President, International Commission for Palynology--chaired international meeting in Cambridge, England, June-July, 1980, gave several papers, etc.

Secretary, International Assoc. of Plant Taxonomy, Fossil Plant Nomenclature Division--prepared work for Int. Botanical Congress to be held in August, 1981

e. Other Research and Professional Participation (patents, exhibits, shows, studies, editorial work, invited lectures)

Invited lectures at Juniata College, Huntingdon, PA; on various geological subjects, invited lecture at Weber State College, Utah, other lectures (don't have my notes with me)

Professional Development

a. Courses Taken

<u>Titles</u>	<u>Credits</u>	<u>Institution</u>	<u>For Degree</u>
_____	_____	_____	_____
_____	_____	_____	_____

b. Degree Work Completed

<u>Type (Course work, Examination, Dissertation)</u>	<u>Degree</u>	<u>Institution</u>
_____	_____	_____

C. Academic Service to University, College, Campus, and Department

1. Committees, Commissions, or Senate Participation

<u>Group</u>	<u>Academic Unit</u>	<u>Member or Officer (Specify)</u>
_____	_____	_____

Tenure & Promotion Committee Geosciences--E&MS member

2. Administrative Responsibility

<u>Title</u>	<u>Academic Unit</u>	<u>Percentage of Time Assigned</u>
_____	_____	_____

3. Assistance to Student Organizations (please specify)

D. Professionally Related Government, Industrial, and Public Service
(Local, State, Federal or International)

1. Current Appointments to advisory panels, committees, boards, evaluating proposals for foundations or government agencies

Name of Organization

Service Performed

2. Aid to legislative bodies, testimony before committees, assistance to legislative committees.

Name of Organization

Service Performed

3. Consultant work for government agencies or private industry

Name of Organization

Service Performed

4. Lectures to philanthropic or public service groups

Name of Organization

Subject of Lecture

5. Honor or award received for service

Name of Organization

Service Performed

NOTE: Please attach reprints of research publications published between January 1, 1980 and December 31, 1980. This replaces the request made in the past by the Experiment Station.

note: As stated on pg. 1, I am on sabbatical leave Nov.-1980 until May, 1981, in Zürich, Switzerland, and don't have this material available. Will append to 1981 report.

13 January, 1981

Ms. Judith Bailgg
Department of Geosciences
Pennsylvania State University
303 Deike Building
University Park, PA 16802 USA

Dear Judith:

My glasses came 100%! Thanks so much. Now I can use
the microscope without a line across the field. Aren't
"plastic worms" marvellous!?

All the best as always.

Yours very truly,

Alfred Traverse
Visiting Professor

AT/et

PSU
January 8, 1981

Dear Alfred and Elizabeth:

I guess I wasn't expecting to get a request to do something every time you wrote me, but it seems that is what is happening. We are so busy here, so if you don't get everything you request from me right away, I hope you will understand. I guess the University's closing down for 2 weeks was a big mistake as far as the workload goes. We can't breathe. Oh well, enough bitching for openers.

An important question which has to be answered as soon as you get this letter. Spring Term Graduate Assistantship Appointments are due January 20, can you hurriedly write and tell me what I am supposed to do about Duck Choi and Ron Litwin. If I don't give them support they will be without funds.

Our weather here has been extremely cold. It seems it snows a little and then it starts blowing and then the temperatures go to -35 or -30 wind chill factor. My furnace at home has not stopped running for days. It goes on all night. There have been an awful lot of fires around here. Wood burners get out of hand, etc. It really scares me.

One of our nondegree geology students has taken on an interesting project. Somehow he found out that 2 bear were to be destroyed that have been on PSU property for some time. They are too tame to be turned out to the wild and probably would scare someone by being too friendly that they would shoot them. So he gave up his Christmas vacation to stay here in State College to take care and feed these bear. Margaret was just out this noon to give them some stale marshmallows and stale doughnuts. I guess he has written and called hundreds of game reserves and finally one out in Utah or somewhere out west is going to take them and keep them alive. This kid was on TV and it has been kind of interesting. Isn't that something? He sure must love animals.

Margaret said she misses both of you and have you had any of that wine she told you about? She said she will write as soon as her desk clears.

Our Christmas was very nice. My daughter had the same time off school that I did, so we ran around, visited family, ate a lot and enjoyed staying up late and getting up late in the morning. Our water situation in Aaronsburg is very critical. At one point during our vacation the reservoir went dry, where I live to the other end of town they hooked us up to Millheim. I hope we can hold on till spring and the ground starts to thaw and we get some rain.

Well must get this out in the mail. Please tell me what to do about the 2 appointments. Take care and hope your tooth is getting better.

Sincerely,

file

6 January, 1981

Ms. Judith Bailey
Department of Geosciences
Pennsylvania State University
303 Deibe Building
University Park, PA 16802 USA

Dear Judith:

Gotcha nice note of 16 December. The unpadded envelope worked fine! By now you know the stamp book was just what I wanted! The liddle boy was so thrilled! He's an American citiyen (10 yrs. old) but speaks no English yet. Did you get the check? I will keep requests for help to a bare minimum from now on, but let me know when \$\$ run low.

Dental forms have already been filled out. Thanks for them too. The dentist did a marvellous job, by the way.

Your world of the ongoing faculty meetings about the same old things makes me want to retire early. That is tiresome.

Betty went skiing in the Alps (note from et: cross-country, definitely not downhill) over the holidays. I had other things to do--especially studying German, as I must do some things in German (lecture in Basel in February, for example). Now I'm back at work--in spades.

All the best--and our continuing gratitude for all your help. I hope you can do the other errands when you get around to it. Happy 1981! Greetings to Margaret. No viruses here yet, but perhaps our turn will come.

Yours very truly,

Alfred Traverse
Visiting Professor

AT/et

P.S. Enclosed are items to drop in mail a.s.a.p. Thanks!

file

1-5-81

PSU

Hi Alfred.

Here are your glasses. I took this box from your table, it had little bottles and slides in it. Note the writing on the side of this box! Is there a connection between the writing and the bottles and slides? Hope it is OK that I used this box. Just perfect for your glasses. Hope they arrive OK.

Back to the old grind. My 2 weeks off was great. Now back to the rat race.

Always

Judith

file

23 December, 1980

Ms. Judith Bailey
Pennsylvania State University
Department of Geosciences
303 Deike Building
University Park, PA 16802 USA

Dear Judith:

Package with the dental forms and the stamp book came today-- very grateful to have them both. Thanks!! Went to the dentist today again (visit no. 5). He is marvellous, but the restoration of that tooth is going to cost SF1450= about \$870. So, I'll obviously get only a fraction of ~~it~~ from the insurance--but better than nothing!

The book was for Dr. Hsü's son, for Xmas--we are invited to be around the tree with them tonight. He's 10 years old and crazy about stamps. They are having "family Xmas" early, because their 20 year old daughter (student at the university here) signed up to give her Christmas holidays to helping the earthquake victims in Italy, and leaves before Christmas. She's a lovely girl (you met her brother-- remember?), and we pray she'll be all right.

We are moved into our apartment now--98 Frohburgstrasse, CH8006, Zürich. Phone (private line, can be direct-dialed from State College): 01-361-4016 (the "80" is for Zürich). Not bad--bath, kitchen, bedroom, living-dining room. Beautifully furnished. Betty did have to buy a few things to cook American style (rolling pins are rare, and pie pans and some other American things almost totally unknown). On the other hand, we have every kind of glassware, cutlery and serving dish known to man. When we moved in, the landlady had flowers in every room, candles, an Advent wreath, etc.

We went to Basel Sunday to visit some of the palynologists. They were so impressed with my command of German that they talked me into giving a lecture there on 28 Feb. in German. Ye gods! In Zürich, ~~th~~ I'm pretending so far that I know none!

Happy holidays! I promise to make no special requests for quite a while.

Yours very truly,

Alfred Traverse
Visiting Professor

AT/et (hi)

P.S. 1) Do consider using ordinary, rather than padded, envelopes for my mail. My housewatcher in Huntingdon does and things come through o.k.
2) "c/o Hsü" can be scratched--the Vera Carsons here know me now.

encl: items to mail immediately. Thanks!

file

Penn State University
Univ. Park, PA 16802

December 16, 1980

*1-10-1981
Jusith*

Dear Alfred and Elizabeth:

This will probably be the last letter from me to you during 1980. I want this packet to get out of the University before our holiday recess, so I am going to mail it this afternoon. Have received your last 2 letters, and was pleased to hear from you. I assume by now you have received the packet with the stamp book in it. I hope it is the correct book. It appeared so to me anyway. Also the dental forms should have been in that packet too. Everyone is loading us down with typing because they know we will be away for 2 weeks. So far I have kept up with it.

We are having a Geology Christmas party this afternoon at 2:30 and I AM GOING, WORK OR NO WORK. I've been working over my lunch hours to keep up with everything. Dr. Wright leaves for Shoshone, CA the day after Christmas, and he gave me a manuscript to type before he left, that's what makes it so bad.

Our weather is very sunny today, we had 3 inches of snow on Monday and its still around, been too cold to melt it right away. Hope we have some for Christmas Day.

My daughter's Christmas Chorus Concert was on Monday night, she sang part of "Oh Holy Night" by herself. I was so proud of her and of course it brought tears to my eyes. She has only ever given me reasons to be proud of her, she is a good girl.

Its too bad about your tooth! I know how miserable it when your teeth are acting up. Too bad about the expense too! I hope you can have some sort of Christmas. What is your daughter going to do with herself for 2 weeks while there is no school? Where is she spending Christmas?

There is a flu virus going around here right now. Jean Gettig had a touch of it last week, Margaret has it now, plus a virus of her inner ear, she is very dizzy and just at noon today, she went home to go to bed.

So far I have taken 2 boxes of your mail up to your office. You sure do get a lot of stuff. Dr. Gold has been holding a Geology Faculty meeting every week, still on admissions and candidacy exams for 1981. It seems never-ending.

Well, got to get this in the mail. Happy Holidays and best wishes for a Happy New Year.

As ever,

Jusith

15 December, 1980

Ms. Judith Bailey
Pennsylvania State University
Department of Geosciences
303 Deike Building
University Park, PA 16802

Dear Judith:

Merry Christmas!

Package 3 came today--no note from you! (We missed your cheery hello, and local news!) You aren't mad at us, are you? Which reminds me, re the various special requests--don't hesitate to ask Choi and/or Litwin to do some of the legwork for you!

I have another such request--please get me two "pocket-protectors" at Murphy's--clear (bdst) or white plastic deals that go in the shirt-pocket and protect it from pens and pencils. (They don't seem to exist here--neither does ~~mouthwash~~, believe it or not!) Charge them to my slush fund--I'll send more money as needed. I sure hope you can do the other little errands for us. We really do appreciate it.

We moved to our small, permanent quarters today! It's a bedroom, sitting-room and kitchen in a family home (no privacy--common staircase and front door). Everybody thinks it's a great bargain at only \$390/month!:

All the best to you, Margaret, and all our friends.

Yours very truly,

Alfred Traverse
Visiting Professor

AT/et

file

4 December, 1980

Ms. Judith Bailey
Pennsylvania State University
Department of Geosciences
303 Deike Building
University Park, PA 16802 USA

Dear Judith:

Packet #2 with your very nice note of 26 Nov. came yesterday-- we were dying to hear some news, so it was GREAT to have your note!

We have had snow here too--about a foot on the ground and snowing out my window as I write.

We heard the PSU-Pitt game live on American Armed Forces Network from Germany last Friday--began about 7:30 p.m. It was fun to hear the announcers (unfortunately, the Pitt announcers) talking about Beaver Stadium, Mt. Nittany, etc. Funny, the weather here that night was the same as yours--freezing rain. It sounded rotten for a football game. Great about your beautiful daughter--apparently smart too!

I suppose you got my requests 1) for the U.S. stamp catalog, and 2) for the dental form (maybe better send a couple) from Employee Benefits. I'm afraid it will cost so much that Christmas will be down the drain, but it will be nice to be able to chew again.

Betty goes to Würzburg, Germany, tomorrow, to see our son, John.

My course is going well, but the mixture of English and German is comical.

We miss you and Margaret, too. The secretaries here are a little "snippy". Betty does all my letters, anyway. Wish I could bring them some flowers from my garden! Have a great holiday season.

Cordially, as always,

Alfred Traverse
Visiting Professor

AT/et

P.S. Another request: Could you please send out reprint requested in the enclosure? (I think it is my no. 38--in any case, is yellow cover near the back of bottom left filing cabinet by Betty's desk.) Detachable section at bottom of enclosed is mailing label. Many thanks!

1 December, 1980

Ms. Judy Bailey
Pennsylvania State University
Department of Geosciences
303 Deike Building
University Park, PA 16802 USA

Dear Judy+

Thanks for the first "packet"! You could put a note in! (on tissue paper--the postage is scary). Also could use plain brown envelope instead of padded one to save weight, unless contents need the extra protection. Watch for items obviously ads, etc., i.e. less than 15 cents postage, or items marked "bulk rate" or whatever. I expect that as the word spreads that I'm here, there'll be less and less to forward.

IMPORTANT! My danged tooth (you know the one) has acted up (crown and restoration came apart), so I have had to join up with a Swiss dentist to make a new crown, etc., etc. It will cost a fortune here. Will you please get for me from employee-benefits a dental-form for the dentist to fill out and sign? That way I'll get at least some of the charges back (I hope).

All the best.

Yours very truly,

Alfred Traverse
Visiting Professor

AT/et

28 November, 1980

Ms. J. Bailey
Pennsylvania State University
Department of Geosciences
303 Deike Building
University Park, PA 16802 USA

Dear Judith:

Enclosed is a stamped film-processing packet--please put in outgoing mail. N.B. When the processed pictures come back--please put in the box of mail being kept for my return--i.e. don't forward, even though it is first class mail! Thanks!

Having some problems getting adjusted (d.g., the absence of drinking fountains drives me wild), but am getting a lot accomplished.

Best wishes.

Yours very truly,

Alfred Traverse
Visiting Professor

AT/et



file

JUDY BAILEY

Nov. 26, 1980

P S U

Dear Betty and Alfred:

I am mailing your week's worth of mail out today. The office will be closed on Thanksgiving through Monday.

Seems like you have been gone a long time already. I miss you both. It's cold here. Had 9 inches of snow last Monday. We didn't get home til 6:15 that night. I'm usually home at 15 after 5 on

The term break is nice. Some of the professors are giving us lots of typing, but not real bad. The sun is out real bright today.

I have been Christmas shopping. Just having a ball. Everyone is well here. Mary is her usual jolly self. Everyone got back safely from SSA and will soon be into another term.

Oh by the way, my daughter got accepted here for Fall of '81. I am so happy.

Drop me a note. Take care.

Love,

July (Judith)

24 November, 1980

Ms. Judith Bailey
Pennsylvania State University
Department of Geosciences
303 Deike Building
University Park, PA 16802 USA

Dear Judy+

This is partly to let you know we're safely here, partly to ask a favor. Trip was more or less uneventful--except for plane leaving JFK Airport 6 hours late ("mechanical problems"--"oh, my soul!"). Had a trip to the Alps Saturday to see some geological wonders (with president of the Geological Society of China, Prof. Huang)--and some spectacular scenery, in gorgeous sunshine. My first lecture is day after tomorrow, and it worries me, but I guess I should play it a day at a time.

Favor: could you go to the post office some day and get for me, or find out how to get, the book they sell that lists and illustrates all USA stamps? I need it for a small friend. I guess you had better have a slush fund to take care of such matters for me--so I enclose a check for \$10 to start it. Cash the check and start an "AT Slush Fund" in an envelope. Pay for the book if they have one or order me one. Send the book in PSU mail, as it is for a business purpose.

All the best, and thanks in advance.

Yours very truly,

Alfred Traverse
Visiting Professor

AT/et (Hi, Judy--you would go wild with this typewriter--it's German, and the y and z are reversed. Also, all symbols are in different places, but at least I can do f, ä, ö, ü, é, ç, etc. Aren't you jealous?)

Enclosure: \$10 check

TO Traverse
DATE Wed. 7/27/77 TIME 3:30

WHILE YOU WERE OUT

M. Dr. S. L. Bair
of U.S. S.S. Raleigh
Phone 919-755-4144

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

MESSAGE About Triassic
Basin material
of Bruce Connet's

Signed J

102705

February 4, 1975

Dr. Donald Baird
Dept. of Geological & Geophysical Sciences
Guyot Hall
Princeton University
Princeton, New Jersey 08540

Dear Don:

Thanks for the paleobotanical duplicates. I have perused them all with interest and, of course, made them part of our palynological library. The amount of literature in palynology is staggering, and I appreciate your help in my feeble efforts to keep afloat.

I also greatly enjoyed your letter--I do hope I'll be able to keep up our efforts in the Triassic (- Jurassic!). If I get another student like Cornet I will! I am at the moment trying to get through the winter term (my palynology course is on--very demanding--and those damnable committee meetings--I am on graduate admission committees for both geology and biology--and I thought a joint appointment was a good thing!). Researchwise I am trying to get a paper done on Coastal Franciscan material (California). Then I will get at the N.B. stuff from last summer. Bruce and I have just read galley proof on our Hartford Basin paper--I think it's a goody--mostly his work, of course, but I think my advisory, editorial and promotional efforts certainly earned me the junior authorship.

Best wishes and thanks again.

Yours very truly

Alfred Traverse
Professor of Palynology

AT/vs1

Princeton University

DEPARTMENT OF GEOLOGICAL AND GEOPHYSICAL SCIENCES

GUYOT HALL

PRINCETON, NEW JERSEY 08540

24 January 1975

Dr. Alfred Traverse
Palynological laboratories
Pennsylvania State University
Deike Building
University Park, Pa. 16802

Dear Al,

Let me make a brief answer to your newsy letter. The possibly palyniferous sample from the Montclair State College dinosaur-track locality got sidetracked in the hands of Paul Olsen, who has been tearing around the Newark on highly profitable prospecting trips. You should have it by now. Yesterday Chris Laskowich brought in another sample from the same site and it looks pretty dubious to me. I had asked Chris to keep an eye out for anything dark -- i.e. coaly or gray -- in his red sandstone & shale sequence. What he collected, however, consists of carbonaceous clay smears on the surface of plates of red sandstone; it looks to me like recent contamination in the weather zone. Aside from that, the redness of the sediment, the overhead closeness of the First Watchung lava, and the likelihood of surface weathering are poor auguries for spore content.

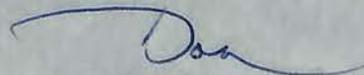
I was pleased to hear that Emily Giffin has moved up from volunteer to paid employment at Willie Penn. She's a real asset to Don Hoff's department.

Among the samples that paid off, the ones of greatest interest to my work are those associated with vertebrate remains, as they give us the hope of a double-barreled biostratigraphic fix. Particularly interesting are the samples from the Lower Brunswick ["Passaic Fm." of Olsen MS] from Milford, N. J., and Second Precinct Station, Newark. Both are associated with footprint faunules of distinctly archaic aspect, quite different from the ichnofaunas of subsequent New Jersey horizons and the Connecticut Valley.

Before long I'll be sending a couple of duplicate paleobotanical publications from the library discard box. Can't bear to see such things go to waste!

Work on the life-sized Triassic paleohabitat group for Willie Penn is proceeding, and if the money can be found it'll be completed within a couple of years (the walk-in Coal Forest has first priority). My office is a veritable zoo of paleocritters cast in neoprene or epoxy.

Cordially yours,



Donald Baird

December 27, 1974

Dr. Donald Baird
Department of Geological & Geophysical Sciences
Guyot Hall
Princeton, New Jersey 08540

Dear Don:

Talk about a belated reply--as you did in yours of 1 October.
This is getting to be absurd!

I thought of you but only fleetingly on a certain Saturday in November when my wife and I made our annual frivolous pilgrimage to a Harvard football game. This year we picked the encounter with the Princeton Tigers and enjoyed a beautiful sunshiny afternoon in Palmer Stadium. Naturally, since we were negotiating the highway both to and from Princeton in the same 24 hour period, there was not time to visit any old friends in New Jersey! I paid due respects to the Newark Basin out the car window as we drove through. I was most interested to have your comments on the productive samples which I got from you in my earlier visit. Of course, as you recognize, I didn't really say anything about the palynofloras other than that they existed, but I hoped that at some time in the future you would let me know which ones were of sufficient worth to merit further work. You have my assurance that my interest in the Triassic is not going to end with the successful (I hope) graduation of Bruce Cornet.

On page 2 of your letter you mentioned a sample from the "Montclair State College campus" which was supposed to be delivered to me by Paul Olsen. I never got it. Perhaps it went directly to Bruce Cornet? That's a little irritating if so--I haven't had a chance to ask Bruce yet but I have my own technician, and I like to keep my hand in and Bruce has plenty of stuff to work on in connection with his thesis. Of course, Bruce is a real demon, and he is fortunate in that I have been able to provide him with complete support, so that he doesn't even have to work for a living, but I am very anxious to keep up my own interest and work in the Newark Basins as well.

You may be interested to hear that one of Don Hoff's associates at the William Penn Museum, a Mrs. (also Dr.) Emily Giffin, is commuting from Harrisburg to State College (a 100 miles!) to take my course in palynology this term. She is going to be appointed a full time paleoperson at the museum beginning in January, or so I understand. She has no background in paleobotany or palynology but is obviously a very keen and capable person, and I have a feeling that if the fates (namely her husband's employment) permit we will be hearing much more from her.

I am terribly preoccupied with all of my damnable committees, undergraduate advisees, teaching obligations, and so forth. Between now and the first of the year I am hoping to find enough time to get my manuscript ready on the Franciscan materials from California on which I have been working, but that may be a fond hope. At least I am making some progress in that direction. After that my next push will be on the samples I collected in New Brunswick this last summer. from Fowndes Head and Martin Head. I am really looking forward to getting to work on that stuff.

Best wishes of the season to you.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/vsi
cc B. Cornet

Princeton University

DEPARTMENT OF GEOLOGICAL AND GEOPHYSICAL SCIENCES

GUYOT HALL

PRINCETON, NEW JERSEY 08540

1 October 1974

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

Dear Al,

This is a distinctly belated reply to your letter of March 27! I'm glad you were able to use the Sahni reprints. They were disposed of as duplicate by our library, and as nobody around here is interested in paleobotany [Erling Dorf was not replaced by a paleobotanist when he retired], I felt a real obligation to find a home for them.

Now for some comments on your welcome report on the samples submitted. In the Carboniferous of Nova Scotia my complaint has been that the geologist/palynologist teams (Hacquebard/Barss, Belt/Neves) have done so much of their work on samples that have no direct tie-in with vertebrate faunas, leaving me more or less dangling in the abyss of time. My ideal is a locality where we can get a multiple fix on biostratigraphy: clams, crawdads, megaplants, spores, and vertebrates other than fishes -- and the boys just haven't been sampling (or haven't worked up the samples from) the spots that are crucial to my work. So, in supplying samples of Triassic to your lab, I made a point of choosing stuff from significant vertebrate localities. And in at least a few cases you struck paydirt for me. Many thanks!

Of the productive samples, No. 8 (Cumnock Fm., Carolina Mine, N. C.) is from the type horizon and more-or-less the type locality of Rutiodon carolinensis, the commonest reptilian fossil of the Newark and a genus that occurs also in the Dockum-Chinle and in Europe and is therefore significant for correlation. Speciation in this genus is still much in doubt, so anything that will help to date occurrences will be helpful.

Samples 9 (Hawkesbury Ss., NSW), 10 (Aust Cliff, Gloucestershire), and 19 (Crailsheim bonebed, Germany) are from classic vertebrate localities where equivalents (or in some cases congeners) of our Triassic critters occur. Here again, a palynological reading would be helpful both for correlation and for pinning down time-levels in phylogenies. The samples should also be useful to you as comparative material.

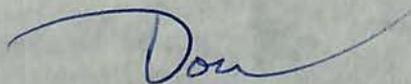
No. 13 (Lockatong Fm., North Wales, Pa.) would give us a fix on the age of the Lockatong. Together with other samples from various levels in the formation it might help us determine whether the Lockatong is as time-transgressive as has been claimed, i.e. the extent to which it's time-equivalent to the upper Stockton and the lower Lower Brunswick [Passaic Fm. MS]

No. 17 (Towaco beds of Brunswick, Toms Point, N.J.) is of course a key sample for determining the revised placement of the Triassic-Jurassic boundary in our fair state.

On the same question, a forlorn-hope sample from the Montclair State College campus is on its way to you via Paul Olsen. This was collected on my instructions by Chris Laskowich in the dinosaur-track quarry; it comes from the uppermost Lower Brunswick [Passaic MS] just below the First Watchung lava flow. Alas, I fear it's been cooked! But anything you can get out of it will help us decide whether First Watchung Mountain is indeed the Trias-Jurassic boundary.

No. 23A, which I see is finding its way into print, is important for dating the eastern end of the Lower Brunswick with reference to the western end along the Delaware. Footprints from the Second Precinct Station, Newark, are indeed of vile quality but they're pretty near all we have. The track fauna is comparable to that at Milford on the Delaware and quite different from those of higher levels. There's a real faunal break at or not far below the First Watchung lava.

So -- keep up the good work, and all that jazz. Bruce Cornet has sent me a chunk of MS which I must work through and comment on, so you'll be hearing from me (indirectly) before long. Until then, thanks again and best wishes from



cc: Cornet, Olsen

Donald Baird

File Baird

Princeton

DEPARTMENT OF GEOLOGICAL AND GEOPHYSICAL SCIENCES

GUYOT HALL

PRINCETON, NEW JERSEY 08540

3 October 1974

Mr. W. Bruce Cornet, Jr.
Department of Geosciences
Pennsylvania State University
University Park, Pa. 16802

Dear Bruce,

Besides having to earn my keep as head keeper in the petrified zoo, for the last few months I've been trying to keep my mind focussed on Carboniferous fishes and ancillary stratigraphic problems. Thus I was a bit sandbagged to receive, a couple of days apart, a 15-page letter from the Wizard of Oz (P.F.O.) and a 30-page tract from you, both dealing with the Triassic -- and I'm still a little groggy. So, please excuse it if this response is not exactly responsive.

Obviously the Triassic -- or better, the Jura-Trias -- is bustin' out all over. Your discoveries and those of the Wizard are, if anything, more gratifying than my own; and this year's Nova Scotia jaunt left nothing to complain about, though we spent only 1 day in the Triassic!

Where do I get ahold of the 1974 Dunay & Fisher paper you cite? Paleobotany has gone out of style around here so the current literature isn't being kept up with. Your offhand remark on Dunay's thesis work in the Dockum caught my eye because our best Triassic find of the summer was the skull of a labyrinthodont amphibian that belongs to a species described from the Dockum of Scurry County, Texas, in 1932. Locality is 23 miles north of Snyder, horizon 7 feet below the Shinarump; further the literature sayeth not, and since the Dockum is a pretty tall stack of rocks I'd love to know more precisely the age of the Scurry County population of Metoposaurus bakeri. There aren't many herptile species in common between the Dockum/Chinle and the Newark, so this is a matter of some importance. It's probably just my usual luck that Dunay probably hasn't sampled Scurry County, but hope springs eternal.

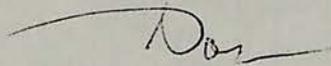
Your new datings are certainly exciting, but in the pure spirit of one-upmanship I might point out that R. S. Lull in 1904 put the Triassic-Jurassic boundary within the Newark Group, and in 1915 stated his conviction that the more southerly basins such as New Jersey include earlier Triassic sediments than the Connecticut Valley basin. A pretty shrewd cookie, my old mentor. As for the significance of paleomagnetic results, I trust good herps more than fish, fish more than spores, spores more than (the usual) poor vertebrate material, and bad bones more than magnetics. "Trust a tiger before a cobra, and a cobra before a Brahmin" -- old Indian proverb. Good herps, alas, are a seldom thing, so I'm reduced to relying on fish and spores.

One specific comment on your p. 89a: dunno where you got "East Precinct," the site is behind the former Second Precinct Police Station. And if you can add it in proof or earlier, please say "samples provided by Neal K. Resch"!

Neal is a hard-working highway geologist who has his heart and soul in paleontology. Finding dinosaur tracks was the biggest event of his life [he wanted to give Betty an engagement ring with dinosaur tracks on it. but the jeweler talked him out of it]; and he really worked like a Trojan to haul a quarter-ton of track-bearing slabs up out of the pit behind the Second Precinct Station. So he deserves all the credit for recovering the palynoflorule; I only served as middleman.

There's much more of interest in your letter and MS but I have to tidy up a zillion details before buzzing off to Arizona for the SVF meetings so I'll cut it off at this point.

Best regards,

A handwritten signature in dark ink, appearing to read "Don", with a long horizontal flourish extending to the right.

Donald Baird

THE PENNSYLVANIA STATE UNIVERSITY

DEIKE BUILDING
UNIVERSITY PARK, PENNSYLVANIA 16802

College of Earth and Mineral Sciences

Department of Geosciences

Palynological Laboratories

Area Code 814

865-6543

865-2342

August 9, 1974

Dr. Donald Baird
Department of Geological and Geophysical Science
Guyot Hall
Princeton University
Princeton, New Jersey 08540

Dear Don:

I am overwhelmed by the spectacular gift of Indian reprints which arrived recently. They are almost all things which I did not have in my research and teaching collection because they antedated my collection. I am delighted to have them, they will be very valuable for reference, and I just don't know how to thank you enough. Is there anything I could send you in return?

I just had a wonderful letter from Paul Olsen including some information which should be very valuable to me with some further collecting efforts I intend to make in New Brunswick later this month. He tells me you will be up there too. It would be funny if we bumped into each other.

Thank you again for this beautiful gift, very best wishes to you for what remains of the summer. I hope we meet soon again.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT:lsw

March 27, 1974

Dr. Donald Baird
Department of Geological & Geophysical Sciences
Guyot Hall
Princeton University
Princeton, New Jersey 08540

Dear Don:

The enclosed sheets are probably self-explanatory--although I wouldn't blame you a bit if you had forgotten all about the matter! As you can see, the samples you provided are not hopeless. Indeed, the percentage of success--about 30%--is not far below average for such a suite of samples. At this point it didn't seem to be necessary to make a detailed study of any of the "palynoflorules", although I am making the slides part of our Triassic-Jurassic reference collection. I will await word from you about whether some of this should be carried further. In the meantime, it is an interesting contribution to our general understanding of Triassic palynofloras and a good addition to our reference collection. My graduate student, Bruce Cornet, has recently made a collecting foray into various localities in New Jersey and now has plant bearing material and palyniferous localities pretty much through the stratigraphic section represented. He and I have just submitted a manuscript to Geoscience & Man covering the Connecticut basin pretty thoroughly and staking out some of what will eventually be done in New Jersey, Pennsylvania, etc.

It seems impossible that a whole year has slipped away since I was with you down in Princeton. That was a fun trip and one I would like to repeat some day.

Best wishes to you and to my old friend, Erling Dorf, if you ever see him.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/vsi

Enclosures: sample list
preliminary report

- PU 17060 *Rutiodon* sp. No. 1
 Stockton Fm. (upper), Newark Gr., U. Trias.
 Wilcox Hall excavation, Princeton University,
 Princeton, N.J. G.L. Jepsen, 1960
- PU 14942 *Diplurus newarki* No. 2
 Lockatong Fm., Newark Gr., U. Trias.
 Firestone Library excavation, Princeton
 Univ., Princeton, N. J. G.L. Jepsen 1946
- NSM uncat. -- partial skeleton No. 3
 Wolfville Fm., Newark Gr., U. Trias.
 Burntcoat shore, Hants Co., Nova Scotia.
 D. Baird & W. F. Take, 1960.
- PU 11544 *Rutiodon manhattanensis* No. 4
 New Oxford Fm., Newark Gr., U. Trias.
 Little Conewage Creek, York Co., Pa.
 R.S. Stahle & R.C. Blair, c. 1910
- PU 13739 *Carinacanthus jepseni* TYPE No. 5
 Lockatong Fm., Newark Gr., U. Trias.
 3/4 mi. S. of North Wales, Pa.
 G. L. Jepsen
- PU 19189 *Turseodus dolorensis* No. 6
 U. Chinle Fm., U. Trias.
 "Loc.A." Dolores R. Canyon, Montrose Co.,
 Colo. S 36, T47N, R19W. J.O. Kalliokoski
 1954.
- PU uncat. *Stegomus arcuatus* No. 7
 L. Brunswick Fm., Newark Gr., U. Trias.
 SW of Everittstown, Hunterdon Co., N.J.
 [important skeleton for correlation]
- PU 19444 *Rutiodon carolinensis* No. 8
 Cumnock Fm., Newark Gr., U. Trias.
 Carolina Coal Mine, E. of Gulf,
 Chatham Co., N. Carolina. PRC 2670
 Baird, Stucker & Patterson, 1967. T648
- PU 2003 *Pristisomus latus* No. 9
 Hawkesbury Ss., Triassic PRC 2671
 Gosford, New South Wales, Australia
- Rhaetic bonebed, U. Trias No. 10
 Aust Cliff by Severn Bridge, Gloucester-
 shire, England. P. Cambridge, 1971. T649
- PU 20743 *Gallator sulcatus* No. 11
 Perkasie Mem., L. Brunswick Fm., U. Trias.
 Clark Quarry north of Milford, Hunterdon
 Co., N.J. J. Sorensen 1960
- PU 16156 *Turseodus acutus* No. 12
 Lockatong Fm., Newark Gr., U. Trias.
 Firestone Library excavation, Princeton
 Univ., Princeton, N.J. G.L. Jepsen 1946
- PU uncat. *Diplurus newarki* No. 13
 Lockatong Fm., Newark Gr., U. Trias.
 3/4 mi. S. of North Wales, Pa.
 G. L. Jepsen
- PU 12352 *Semionotus* sp. No. 14
 Boonton beds, U. Brunswick Fm., U. Trias.
 Rockaway River, footings of reservoir, Boon
 Morris Co., N. J. B.F. Howell
- PU 18566 *Apatopus lineatus* No. 15
 Perkasie Mem., L. Brunswick Fm., U. Trias.
 Clark Quarry north of Milford, Hunterdon Co.
 N.J. D. Baird & R.M. Salkin, 1963
- PU 12039 *Semionotus kapfii* No. 16
 Upper Keuper (Middle), Semionotus-Sandstein
 Stuttgart, Germany. E. Fraas.
- PU uncat. *Eubrontes giganteus* PRC 2673 No. 17
 Shale under buff sandstone layer, Towaco beds
 ("Roseland Fm." of Olsen), Brunswick Fm.
 Toms Point, Morris Co., N. J.
 N.K. Resch & R. Inhoffer, 1965
- PU 18834 *Diplurus newarki* No. 18
 Lockatong Fm., Newark Gr., U. Trias.
 Granton Quarry, North Bergen, N.J.
 G. R. Case, 1965
- PU 12245 PRC 2674 No. 19
 Ob. Muschelkalk, Crailsheim bonebed
 Crailsheim, Germany. E. Fraas.
- PU 5253 *Pholidopleurus typus* No. 20
 Lunzer Schichten, Unter Keuper, U. Trias.
 Lunz. Tirol
- No. 21
Cladophlebis plant locality
 U. Blomidon Fm., ca. 12 ft. below
 North Mt. basalt, U. Trias.
 Central Clarence, Annapolis Co.,
 Nova Scotia. Baird & Case, 1966
- PU 18364 *Metoposaurid* amphibian No. 22
 Stockton Fm., Newark Gr., U. Trias.
 Princeton, N.J. vicinity
 A. Robertiello Jr., c.1955
 [important specimen. data poor] T650
 Assoc. with reptile track fauna PRC 2675
 Lower Brunswick Fm., Newark Gr., U. Trias. No. 23
 Cut on Interstate 280 behind old Second
 Precinct Station, Newark, N. J. A
 N. K. Resch, 1971. B

Preliminary Palynological Report on

Samples Obtained in 1973 from

Prof. Donald Baird, Princeton University

** indicates palyniferous*

1. Fairly abundant, mostly finely divided, organic particles, all carbonized. No palynomorphs observed.
2. Moderately abundant, all heavily carbonized, organic particles. No palynomorphs observed.
3. Abundant, very thoroughly carbonized organic fragments, some frustratingly reminiscent of palynomorphs.
4. Sparse, carbonized organic matter. No palynomorphs observed.
5. Extremely abundant but heavily carbonized organic particles. No palynomorphs observed.
6. Highly carbonized organic fragments--some look as if they had been palynomorphs.
7. Abundant but heavily carbonized organic particles. No palynomorphs observed.
- 8.* Large chunks of coaly material observed. Some palynomorphs, sufficient to do a study on if necessary. Probably could produce a better residue with more treatment in Schulze's reagent.
- 9.* Fairly abundant organic matter. Few spores observed. With a larger sample and sufficient slides, a study could be made.
- 10.* Considerable organic matter with much pyrite. Some palynomorphs, mostly pyrite-filled. This sort of thing is hard to study, but it is possible. *acquired at 436430.1 50x 194*
11. Relatively sparse, carbonized organic matter; no palynomorphs observed.
12. Very abundant, carbonized organic material--black. No palynomorphs seen.
- 13.* Very abundant, carbonized organic matter, with a few scrappy spores. This sort of thing is difficult to work with, but with a very large sample and sufficient laboratory time, results can be obtained. *prob. barren*
14. Completely barren.
15. Completely barren.
16. Completely barren.
- 17.* Scarce and somewhat carbonized but perfectly identifiable pollen--all specimens seen are of the "Classopollis-Corollina-Circumpolles" type.

This sort of assemblage is very characteristic of the uppermost Rhaetian and lowest Liassic.

- 18. Completely barren.
- 19.* Loaded with pyrite, indicating reducing environment. Some spores present, many of them pyrite-filled. Very abundant and easily identifiable acritarchs (palynomorphs produced by algae instead of land plants); obviously marine sediment.
- 20. No spores seen but contains much rather promising organic matter. Might be worth reprocessing.
- 21. Completely barren.
- 22. Completely barren.
- 23a.* Very productive. Pollen is primarily bisaccate. Some trilete spores present. This is a perfectly good residue.
- 23b. Some organic matter, otherwise barren. The rock sample was lighter than 23a but came from the same collection.

SOCIETY OF
VERTEBRATE
PALEONTOLOGY
NEWS BULLETIN

As correspondence

write for Baird

SOCIETY OF VERTEBRATE PALEONTOLOGY

NEWS BULLETIN

No. 98

June 1973

OFFICIAL NEWS

NOTICE OF ANNUAL S. V. P. MEETING

The Society's Annual Meeting will take place November 15-17, 1973 (Thursday, Friday and Saturday) at Southern Methodist University, Dallas, Texas. A preliminary questionnaire regarding attendance and speaker's topics will be sent to all domestic members. Please return the questionnaire to Dr. Bob Slaughter as soon as possible. More detailed information regarding the program and hotel accommodations will be mailed to all members during the summer.

NOMINATIONS FOR OFFICERS FOR 1973-1974

The following nominations for officers for 1973-1974 have been proposed by the SVP Nominating Committee:

President:	Mary R. Dawson
Vice-President:	Wann Langston, Jr.
Secretary-Treasurer:	Keith S. Thomson
Executive Committee Member-at-Large:	Dale A. Russell

Princeton University

Dan Baird reports, "No, I haven't written up any of the discoveries mentioned in the last few issues of the News Bulletin. Too busy puzzling over new ones." The latest is a doornick from the Triassic of Nova Scotia that looks like the skull of a pygmy elephant but is actually the braincase of something from the dicynodont paddock of the zoo. Further study of two partial amphibian jaws from the same formation shows that their closest affinities lie with Aphaneramma from the Lower Triassic of Spitzbergen. An Upper Triassic trematosaur would be an anomaly anywhere, not least in the Newark Group. These new finds provide a further excuse for that old gandy-dancer, A.S. Romer, to try to tamp the Nova Scotia Triassic down into the Middle Trias. Counter-arguments may be forthcoming from Alfred Traverse of Penn State, who is getting excellent palynofloras out of the Upper Triassic. 

If Grant Meyer is really going to paint a Princeton specimen on the door of the Yale field vehicle (an ecumenical idea which we applaud), he should get the right name on it. What they're calling "Apocleptoneli" in New Haven is really "Elieheu fugax." As its skull roof emerges from the matrix it certainly looks like Sphenodon... with a Triassic accent.

Jerry Case writes from Jersey City that he's just published a 64-page booklet called "Fossil Sharks: a Pictorial Review." With Jacques Herman of Brussels he's finished a paper on a fin spine of the chimaera Edaphodon cf. bucklandi from the Eocene of Morocco, and is currently deeply involved in at least five other sharky projects which we hope to report on in future News Bulletins.

Glenn Jepsen continues to make progress on several projects and plans to spend at least part of the summer in the West. A Princeton expedition to East Africa will depart here in mid-June to complete geological studies at the 6 m.y. old Lothagam Hill locality. The discovery of an australopithecine parietal bone last year and of a mandible in 1967 gives added hope that additional evidence of these earliest hominines will be found at this site.

After the field season Chuck Smart will spend a month in India looking over the Siwalik collections as part of his thesis projects on early bovid evolution. He reports that the early antelopes of Africa are now beginning to make some sense. Barbara Smith continues on her studies of the functional morphology of foot structures in heavy vertebrates.

For the first time since 1966, Vince Maglio will not return to Africa this summer -- like Don, he "plans" to write up some long overdue projects. His elephant "monstergraph" entitled "Origin and Evolution of the Elephantidae" will be published this summer by the American Philosophical Society. In September Vince will leave the employ of Princeton to continue his education. Thereafter, all correspondence concerning Princeton vertebrate collections should be directed to Don Baird.

Vince Maglio
Don Baird

William Penn Memorial Museum, Harrisburg

We have finally managed a return to V. P. work in Harrisburg. Among a number of projects, we have given top priority to our metoposaurid amphibian skull from the Upper Triassic at Zions View, York County, Pennsylvania. Rough removal of matrix from this complete 413 MM long skull has revealed deeply embayed otic notches, rather than shallow otic notches. This distinct embayment of otic notches places our metoposaur skull in the Metoposaurus category.

A number of months ago, we discovered the right ischium of a 15 to 16 foot long phytosaur in the same quarried block of Zions View matrix which contained the above mentioned metoposaur skull. Having been suspicious for some time that our Zions View Quarry was a 55 year lost vertebrate locality, I packed up our right ischium and rushed over to Princeton for a bit of detective work. At Princeton, I asked Don Baird if he would articulate their Rutiodon manhattanensis right ilium from York County, Pennsylvania with our right ischium of the same genus and species. They did fit together very nicely. With this and other correlations in mind, both Don Baird and I concluded that Princeton's Rutiodon manhattanensis, rump section from York County, Pennsylvania, was excavated from the same locality in 1914-15 as William Penn's present metoposaur-phytosaur materials. Princeton's Zions View specimen was described by W.J. Sinclair in Am. Jour. Sci. -- Fourth Series, Vol. XLV, No. 270 - June, 1918.

A number of the exhibits for our new William Penn Hall of Pennsylvania Geology are in the process of being fabricated at the Richard Rush Studio in Chicago, Illinois. The Triassic area of this new hall is receiving our full attention at present. Modeling is proceeding on a cast of characters to be assembled in a large Upper Triassic habitat group. Life size vertebrate restorations to be included in our 9' x 24' Triassic terrestrial - fresh water zoo include: Coelophysis, the rangy little Triassic coelurosaur; Placerias, a mammal-like reptile; Metoposaurus, one of the last of the labyrinthodonts; Rutiodon, a splendid phytosaur; Icarosaurus, the little gliding lizard from North Bergen; Stegomus, an armored reptile; and Diplurus, a Triassic coelacanth.

We are indeed lucky to have Don Baird as a consultant to work along with us in producing these restorations. Coelophysis was completed in fiberglass a few years ago by L. P. Jonas, but the remainder are in the modeling or research stage. We are also toying with the possibility of restoring Spherosaurus, and perhaps a few more Triassic beasts for our Hall of Pennsylvania Geology.

Donald Hoff

Estimate

Fidelity Union Skin

100% COTTON

May 23, 1973

Dr. Donald Baird
Department of Geology
Princeton University
Princeton, New Jersey 08540

Dear Don:

I was delighted to get the two gift items which came today--
ten days from Princeton to State College? I never had heard of
the "Geologia Sudetica"! I seem to recall something about the
Sudetenland from the late '30's, but I thought it was a disputed
part of Czechoslovakia, and I note that this item comes from Poland.
In any case, we are delighted to have it especially for our work
with the Catalog of Fossil Spores and Pollen. Also it is good to
have the reprint of Playford's paper. I am in correspondence with
Geoff, and can't account for the fact that I did not previously
have a copy of this publication.

You probably are hoping that I can couple with this letter some
information about the samples I got from you, but I still haven't
run them. My mill grinds pretty slowly at times, but it is devilishly
persistent, and you will get some work one of these days. Bruce is
continuing to make excellent progress with his research, but I am
currently sweating droplets of plasma in fears about how his candidacy
exam on 29 May will come out. If you can think of some sort of
paleontological novena to make during that week, I would appreciate
it.

Best wishes to yourself and to Erling if you chance to see him.
Looking forward to seeing you one of these days.

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT/vsi

March 23, 1973

Dr. Donald Baird
Dept. of Geological & Geophysical Sciences
Guyot Hall
Princeton University
Princeton, New Jersey 08540

Dear Don:

Just a short note to say thanks for a most entertaining and profitable day. I do hope that I can do a repeat of it sometime when I may have more to contribute! Should you ever feel like "slumming" in central Pennsylvania, we would be delighted to have you come and see us here. I'll keep you informed about how we get along with the samples. As I heard you telling the boy with the old coins, "it may be a little while before I get to it".

Thanks again for all your hospitality. Best wishes until we meet again.

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT/vsi

19 March 1973

SEDIMENT SAMPLES FOR PALYNOLOGY -- TRIASSIC

For Dr. Alfred Traverse, Pennsylvania State University

PU 18364 Metoposaurid amphibian
Stockton Fm., Newark Gr., U. Trias.
Princeton, N.J. vicinity
A. Robertiello Jr., c.1955
[important specimen, data poor]

PU 17060 Rutiodon sp.
Stockton Fm. (upper), Newark Gr., U. Trias.
Wilcox Hall excavation, Princeton University,
Princeton, N.J. G.L. Jepsen, 1960

PU 14942 Diplurus newarki
Lockatong Fm., Newark Gr., U. Trias.
Firestone Library excavation, Princeton
Univ., Princeton, N. J. G.L. Jepsen 1946

PU 16156 Turseodus acutus
Lockatong Fm., Newark Gr., U. Trias.
Firestone Library excavation, Princeton
Univ., Princeton, N.J. G.L. Jepsen 1946

PU 18834 Diplurus newarki
Lockatong Fm., Newark Gr., U. Trias.
Granton Quarry, North Bergen, N.J.
G. R. Case, 1965

PU 13739 Carinacanthus jepseni TYPE
Lockatong Fm., Newark Gr., U. Trias.
3/4 mi. S. of North Wales, Pa.
G. L. Jepsen

PU uncat. Diplurus newarki
Lockatong Fm., Newark Gr., U. Trias.
3/4 mi. S. of North Wales, Pa.
G. L. Jepsen

PU uncat. Stegomas arcuatus
L. Brunswick Fm., Newark Gr., U. Trias.
SW of Everittstown, Hunterdon Co., N.J.
[important skeleton for correlation]

PU 20743 Grallator sulcatus
Perkasie Mem., L. Brunswick Fm., U. Trias.
Clark Quarry north of Milford, Hunterdon
Co., N.J. J. Sorensen 1969

PU 18566 Apatopus lineatus

PU 18566 Apatopus lineatus
Perkasie Mem., L. Brunswick Fm., U. Trias.
Clark Quarry north of Milford, Hunterdon Co.,
N.J. D. Baird & R.M. Salkin, 1963

Assoc. with reptile track fauna
Lower Brunswick Fm., Newark Gr., U. Trias.
Cut on Interstate 280 behind old Second
Precinct Station, Newark, N. J.
N. K. Resch, 1971.

PU uncat. Eubrontes giganteus
Shale under buff sandstone layer, Towaco beds
("Roseland Fm." of Olsen), Brunswick Fm.
Toms Point, Morris Co., N. J.
N.K. Resch & R. Inhoffer, 1965

PU 12352 Semionotus sp.
Boonton beds, U. Brunswick Fm., U. Trias.
Rockaway River, footings of reservoir, Boonton,
Morris Co., N. J. B.F. Howell

PU 19189 Turseodus dolorensis
U. Chinle Fm., U. Trias.
"Loc.A," Dolores R. Canyon, Montrose Co.,
Colo. S 36, T47N, R19W. J.O. Kalliokoski
1954.

Rhaetic bonebed, U. Trias
Aust Cliff by Severn Bridge, Gloucester-
shire, England. P. Cambridge, 1971.

PU 12039 Semionotus kapfii
~~Upper~~ Keuper (Middle), Semionotus-Sandstein
Stuttgart, Germany. E. Fraas.

PU 5253 Pholidopleurus typus
Lunzer Schichten, Unter Keuper, U. Trias.
Lunz, Tirol

PU 12245
Ob. Muschelkalk, Crailsheim bonebed
Crailsheim, Germany. E. Fraas.

PU 2003 Fristisomus latus
Hawkesbury Ss., Triassic
Gosford, New South Wales, Australia

Cladophlebis plant locality
U. Blomidon Fm., ca. 12 ft. below
North Mt. basalt, U. Trias.
Central Clarence, Annapolis Co.,
Nova Scotia. Baird & Case, 1966

PU 19444 *Rutiodon carolinensis*
Cumneck Fm., Newark Gr., U. Trias.
Carolina Coal Mine, E. of Gulf,
Chatham Co., N. Carolina.
Baird, Stucker & Patterson, 1967

PU 11544 *Rutiodon manhattanensis*
New Oxford Fm., Newark Gr., U. Trias.
Little Conewago Creek, York Co., Pa.
R.S. Stahle & R.C. Blair, c. 1910

NSM uncat. -- partial skeleton
Wolfville Fm., Newark Gr., U. Trias.
Burntcoat shore, Hants Co., Nova Scotia.
D. Baird & W. F. Take, 1960.

file Baird

Princeton University DEPARTMENT OF GEOLOGICAL AND GEOPHYSICAL SCIENCES

GUYOT HALL

PRINCETON, NEW JERSEY 08540

13 April 1973

Mr. W. Bruce Cornet, Jr.
Department of Geology
The Pennsylvania State University
University Park, Pa. 16802

Dear Bruce,

Many thanks for your long and lively epistle on the Triassic. At present I haven't time to smoke it over in detail and make informed comments, but let me offer you a few notes.

First, the New Jersey terminology. Paul Olsen and I agree fine on the units but disagree in some cases on the names for them. The enclosed copy of a letter to Paul will help you figure out the synonymies.

Second, my preliminary ideas on New Jersey-Connecticut Valley correlation, based on tetrapods and particularly on the footprint faunas, were published by E. H. Colbert, 1965, Am. Mus. Novitates No. 2230, fig. 9. Column 1 shows the traditional correlation by equating the two sequences of lava flows; column 3 approximates my ideas, based on the first appearance of the footprint taxa Batrachopus (apparently a proto-crocodilian) and Anomoepus (apparently an ornithischian dinosaur). These are advanced types of reptiles for the Triassic and should be meaningful index fossils. Note that I'd be perfectly happy to see the Holyoke and First Watchung lavas as exact correlatives -- so long as the Pleasantdale beds (Paul's "Watchung Fm.") is/are equated to part of the East Berlin Fm. The footprint fauna of the Towaco beds (Paul's "Rosedale Fm." PREOCCUPIED) has not been analyzed in detail but it includes large and advanced forms such as occur in the Portland. Obviously my scheme doesn't mesh too closely with yours. At least you must admit that footprints are autochthonous while palynofloras are (at least to some extent) allochthonous and subject to ecotopic mixing. But I certainly don't want to sound dogmatic about correlations at this preliminary stage of the game.

Here's a reference I couldn't locate when Al Traverse was here: Koob, John D., 1961. Triassic pollen and spore flora of the Cumnock Formation (Newark Series) of North Carolina. MA thesis, Univ. Mass., 43 pp. I heard about this from Edward S. Belt at Amherst, who told me that Koob had established a Gypskeuper age, either Carnian or Norian. Ed, incidentally, has isolated spores from Turners Falls and notes preliminary comparisons with the Schilfsandstein of Switzerland. Maybe you ought to get in touch with him: Department of Geology, Amherst College, Amherst, Mass. 01002. Ed's a wonderful guy and will be happy to cooperate with you.

I look forward to seeing what you chaps make of the two dozen samples I dumped in your laps. Any reading on the Nova Scotia formations would be particularly welcome, as the reptile/amphibian fauna there is so freakin' queer, showing closer affinities to Great Britain than to Eastern U.S.

Enough for now,

DB
Donald Baird

think, of course, that its range was much greater, both to the north and to the south, while the presence of phytosaurs, some of which were identified by Gregory as *Rutiodon*, in the Chinle beds of Arizona and adjacent states, indicates that these phytosaurs inhabited much of what is now North America during the final stages of Triassic history. Furthermore, the occurrence of *Rutiodon carolinensis* in the black shales of the Cumnock and Lockatong formations gives some clues as to the habitat

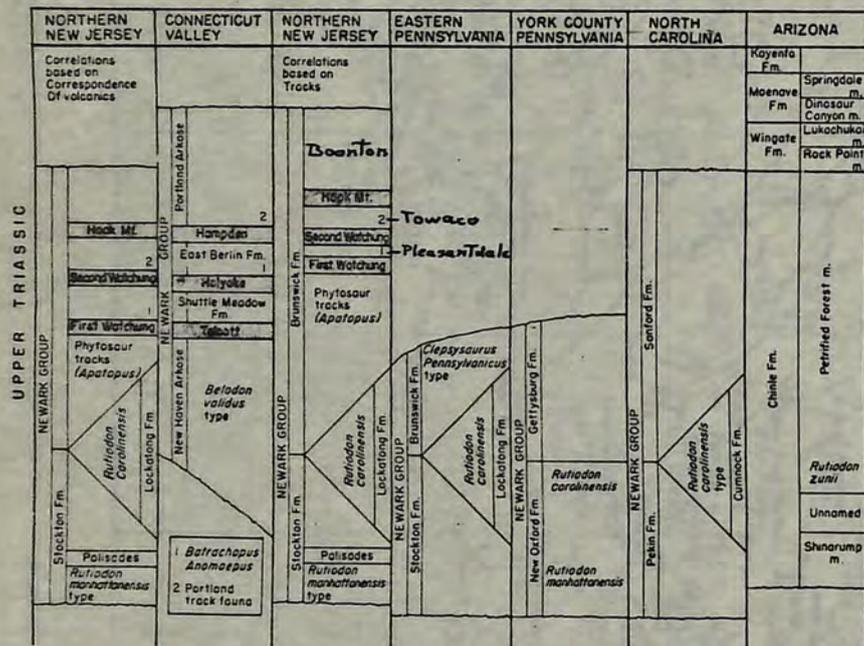


FIG. 9. A correlation chart for the Upper Triassic Newark Group Formations at various localities in eastern North America and their suggested relation to the Chinle and overlying formations in Arizona.

of this phytosaur. Certainly on the basis of these discoveries it lived along the shores of quiet ponds and lakes and probably in marshes as well. There is no reason to think, however, that its habitat was limited to such environments, because the discovery of *Rutiodon* in fluvial and floodplain sandstones and siltstones, especially in western North America, gives evidence of a variety of habitats for this phytosaur. The phytosaurs were large, aggressive, and very active reptiles, and it seems very probable that, like the modern crocodilians, they lived in various environments—along large rivers and small streams, in lakes and ponds

and swamps, and perhaps even on occasion along the strand bordering the sea.

Gregory suggested in 1962 that *Rutiodon carolinensis* was of some significance in the correlation of eastern Triassic sediments containing it, and he based his conclusion on the stage of evolutionary advancement shown by the characters of this phytosaur. "*Rutiodon carolinensis*, with its series of primitive characters [generally small size, teeth that are not strongly heterodont, relatively short squamosal processes, a posttemporal arch that is not deeply depressed, no rostral crest, no flaring of alveolar border] suggests an age later than the Popo Agie and lower Dockum faunas in which *Paleorhinus* and *Angistorhinus* are the characteristic phytosaurs, and earlier than the faunas of the upper Dockum or Petrified Forest member of the Chinle formation, with their more progressive species of *Phytosaurus* and *Rutiodon*. . . *Rutiodon carolinensis* indicates that the age of the Cumnock formation is late Triassic and probably early but not earliest late Triassic" (Gregory, 1962b, pp. 20-21).

It is now possible to extend Gregory's remarks to say that the Lockatong Formation also is "probably early but not earliest late Triassic."

PHYTOSAURS OF EASTERN NORTH AMERICA

Perhaps a few remarks may be made about the phytosaurs of the Newark Group. Von Huene in 1913 described a partial phytosaur skeleton, unfortunately without a skull, that had been excavated from the Stockton Formation at the base of the Palisades, opposite Manhattan. This specimen was found about a half mile south of where the west piers of the George Washington Bridge are now situated, at a horizon not far above the level of the river, and of course beneath the Palisades intrusion. It was named by von Huene *Rutiodon manhattanensis*, and in Gregory's revision of the genera of phytosaurs (1962a) was placed in the genus *Phytosaurus*.

Some years later (in 1918) Sinclair described certain phytosaurian remains consisting of two vertebrae, a left ilium and femur, some scutes, and some isolated teeth which, because of their close resemblances to the phytosaur described by von Huene, he referred to *Rutiodon manhattanensis*. These remains came from "red Triassic shales" near York, Pennsylvania, and because of their similarity to the bones from Fort Lee there is every reason to think that they are probably conspecific with the New Jersey specimens.

In a recent letter to the author, Dr. Donald Baird of Princeton University has objected to the transfer of the specimen described by von Huene to the genus *Phytosaurus*, basing his objection primarily on the

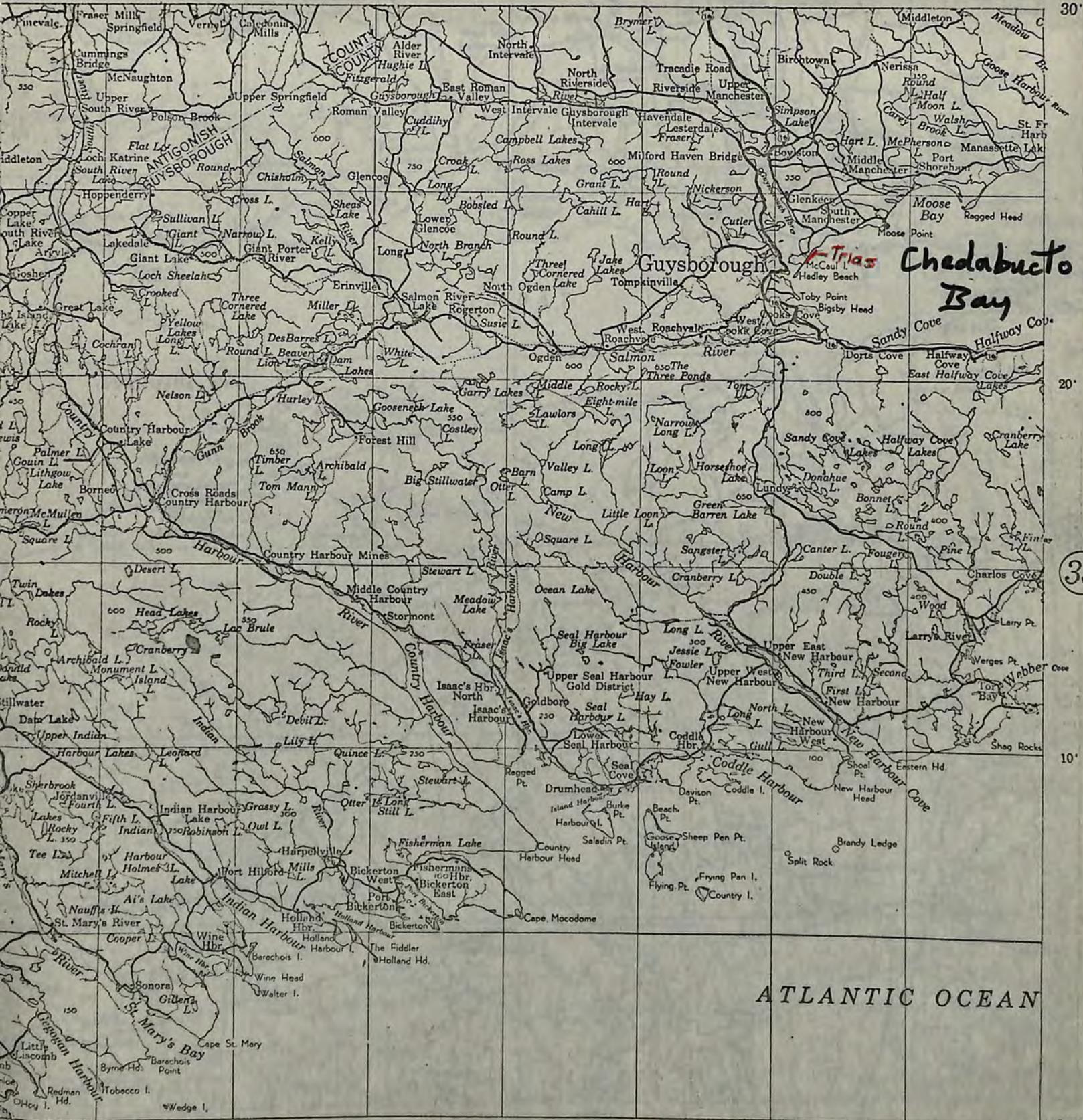
50'

40'

30'

20'

30'



ATLANTIC OCEAN

45° 00'

50'

40'

30'

20'

Compilation and cartography by N. S. Dept. of Mines, Halifax.
 Checked by Dept. of Highways and Dept. of Lands & Forests.

Scale : $\frac{1}{253,440}$ or 1 Inch to 4 Miles



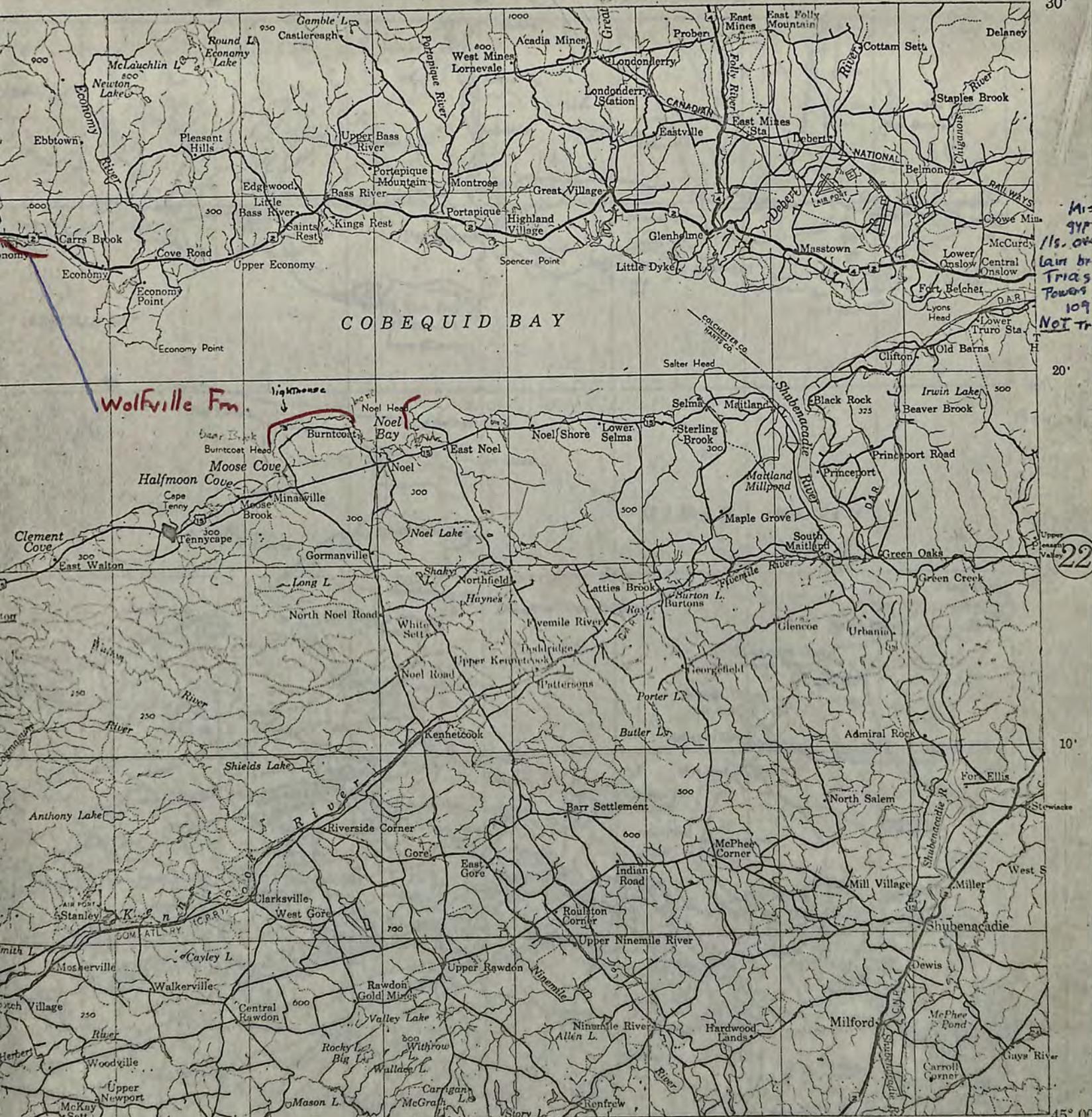
50'

40'

30'

20'

30'



Mis
97
115.04
lain by
Tria's
Towers
109
NOT TR

22



Compilation and cartography by N. S. Dept. of Mines, Halifax.
Checked by Dept. of Highways and Dept. of Lands & Forests.



Fish in
Tribes
above
Lava flow
- Cole Hill
Takes

Scale : $\frac{1}{253,440}$ or 1 Inch to 4 Miles



Map and cartography by N. H. Dept. of Mines, Halifax,
and by Dept. of Highways and Dept. of Lands & Forests.

Horton Bluff Fm. - L. Miss
Birdshot megasporites

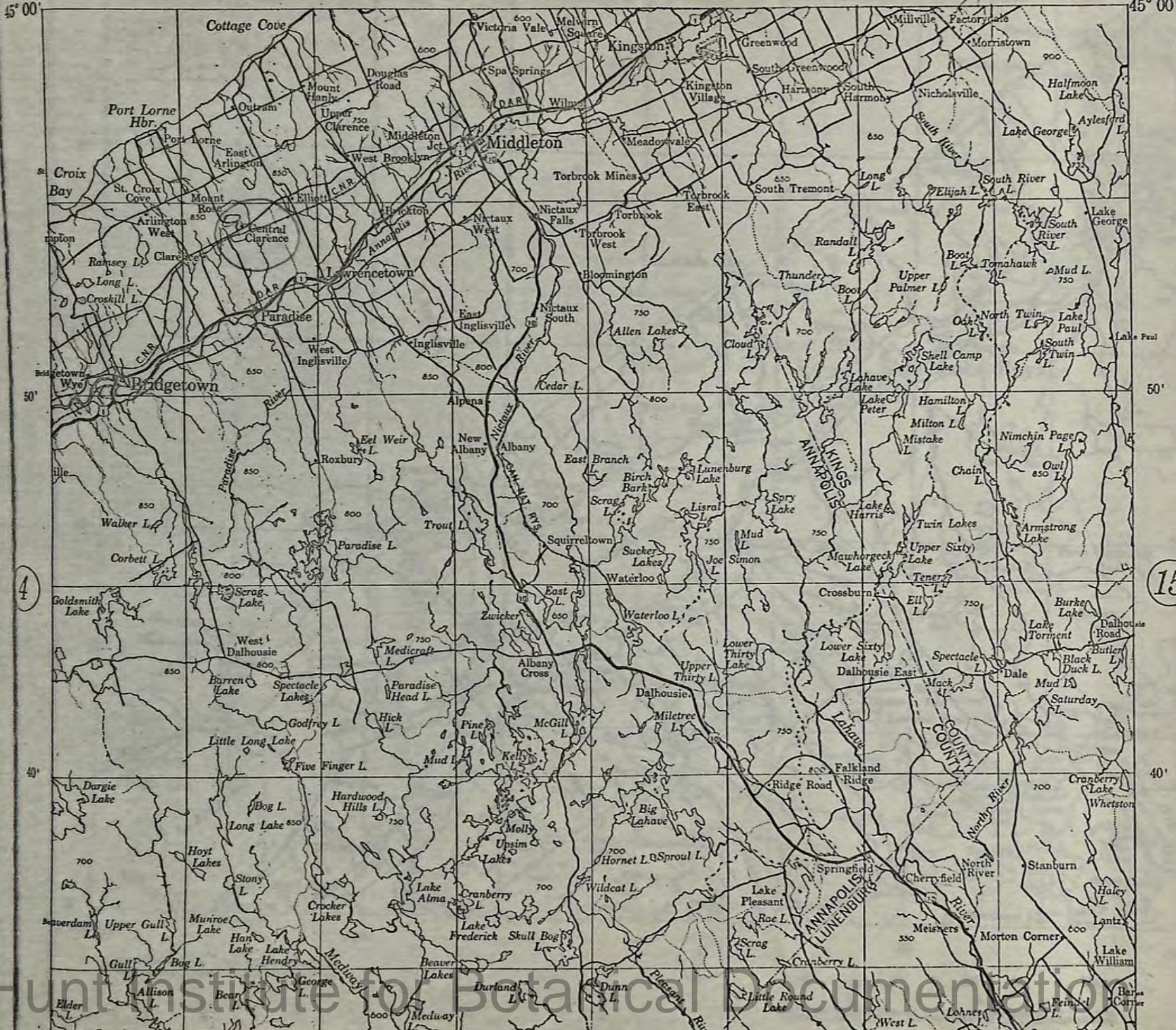
Hunt Institute for Botanical Documentation

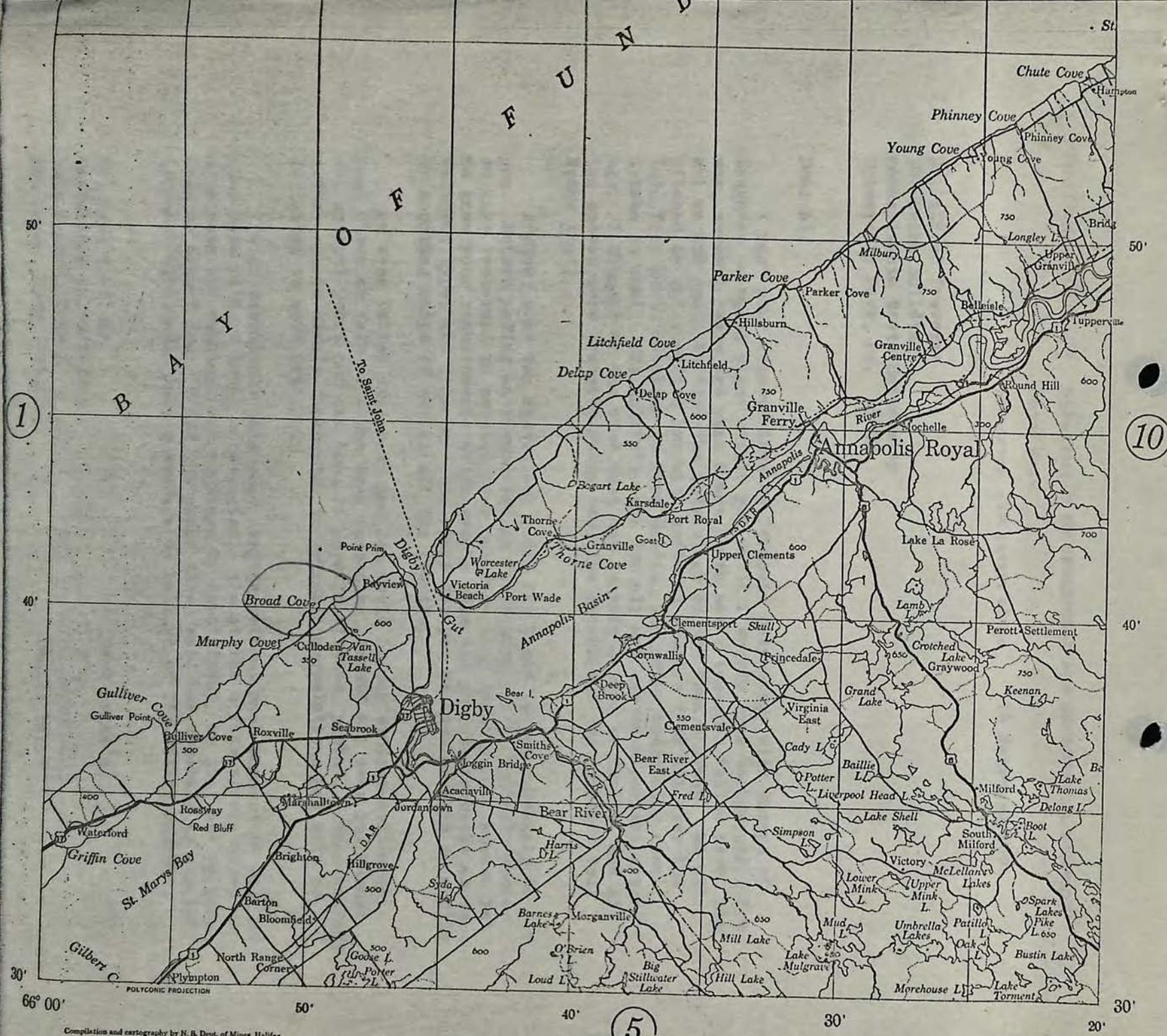


Compilation and cartography by N. S. Dept. of Minas, Halifax.
Checked by Dept. of Highways and Dept. of Lands & Forests.

Scale : $\frac{1}{25,440}$ or 1 Inch to 4 Miles







Completion and cartography by N. B. Dept. of Mines, Halifax.
 Checked by Dept. of Highways and Dept. of Lands & Forests.

Scale : $\frac{1}{253,440}$ or 1 Inch to 4 Miles
 2 0 2 4 6 8

Princeton University

DEPARTMENT OF GEOLOGICAL AND GEOPHYSICAL SCIENCES

GUYOT HALL

PRINCETON, NEW JERSEY 08540

14 February 1973

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

Dear Al,

I read your observations on Triassic palynology with whoops of laughter -- which might puzzle you until I supply some background. You see, several years ago when Grace Brush was a research fellow here, she got an NSF grant to "do" the palynology of the Newark Group. We all pitched in and supplied her with sediment samples from all over the lot, from North Carolina to Nova Scotia, including everything from arkose to coal. She dutifully ran 'em all and scored a perfect goose-egg. I thought at the time that her technique must be faulty, and all the spores were probably going down the drain; but you couldn't tell Grace that!

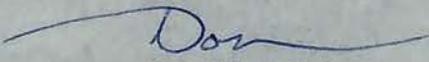
Anyhow, what Van Houten and I did for Grace we can certainly do for you. Before making an investment in field work you'll probably prefer to make test-runs on samples from our far-flung localities. Please let me know your requirements as to sample size and your preferences as to sediment type, and I'll bag some stuff for you as time permits -- mostly by knocking chips of matrix off the fossils.

* An even better source of samples would be our student-colleague Paul Olsen at Yale, who has been spreading himself all over the Newark for several years and has been to more localities, probably, than anybody alive. He is keenly interested in Triassic correlations and will be delighted to work with you.

I'm on sabbatical this year, trying without much success to work at home base without being interrupted. I'm at the office nearly every afternoon and evening, and mornings by appointment, so just let me know when to expect you. I had the phone taken out, but somebody in the lab (609-452-4102) will take a message or call me if I'm within earshot.

* Mr. Paul E. Olsen
Vertebrate Paleontology
Yale Peabody Museum
New Haven, Conn. 06520

Best regards,


Donald Baird

February 8, 1973

Dr. Donald Baird, Curator
Museum of Natural History
Princeton University
Princeton, New Jersey 08540

Dear Don:

Thank you so much for your recent letter regarding the tie-tacs. I have immediately ordered a couple of them (one for me and one for a student who is working on the Triassic with me).

By the way, we are getting what seemed to me to be a fabulously good results in all of our efforts so far in the eastern Triassic basins, and I think we are going to make a very fine contribution in this area of work. I was recently funded for a couple of years more of research on the Triassic palynology of North America, and we expect to push our efforts into Nova Scotia this summer. I am wondering if it might not be fruitful for me to visit you in the not too distant future in order to go over maps with you and get whatever ideas you might be willing to share with me about possibly productive collecting localities, particularly those where our information would tie readily and helpfully into other available work. Let me know if this would be agreeable and what sort of part of the month ahead and days of the week which would be best for you, if you are agreeable!

Best wishes.

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT/vsi

Princeton University

DEPARTMENT OF GEOLOGICAL AND GEOPHYSICAL SCIENCES

GUYOT HALL

PRINCETON, NEW JERSEY 08540

4 February 1973

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

Dear Al,

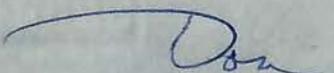
Sorry to be so long in getting back to you about the silver dinosaur-track pins and tie-tacs. I hadn't forgotten you, but it took time to carry out the required negotiations. You see, the little dinosaur tracks had not been a commercial item: George Frost just made up a few as presents for the Friends of the Triassic. Obviously he couldn't be expected to supply everybody at that price, and he had to be persuaded to put them on a production basis and establish a price. Meanwhile a major distraction intervened, carrying George off to the Middle West en cherchant la femme.

Everything has worked out well, however. The dinosaur tracks are available in silver at \$4.00 each, your choice of species as long as it's Stenonyx lateralis (E. Hitchcock). They're natural-size replicas of the smallest known "species" of Triassic dinosaur track (actually a juvenile of some larger "species," I'm sure). That's with a tie-tac back; the pin-backs would cost more because of the trickier silver-soldering involved.

George and his bride will be back from their honeymoon by the time you receive this. Address:

Mr. George R. Frost
George W. Frost & Son, Jewelers
1129 Clinton Avenue
Irvington, New Jersey 07111

Most cordially yours,


Donald Baird, Curator
Museum of Natural History

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

5 January, 1989

Jennifer G. Baird
Department of Earth Sciences
Monash University
Clayton, Melbourne,
Australia 3168

Dear Jennifer:

I believe I do remember you--if you're the lady who talked to me a bit before one of the Symposium-12 sessions, or perhaps it was at the coffee break. This further info about your work is very interesting.

At the moment I am putting together a book based in part on Symposium-12, plus other papers by persons not involved in the meeting (Habib, Batten, Boulter, Caratini, among others). The book will deal in detail with all aspects of palynofacies, palynodebris, etc. My paper on palynomorphs in rivers will be in the book. Your observations on palynofacies changes vis à vis palynological zones would make an important chapter for the book, were we in 1990 instead of 1989! I hope I can hear more about your work later.

Re plant evolution, I will send you a reprint of a paper containing most of what I said at Brisbane. The paper was just published in Historical Biology, vol. 1:2.

Best wishes to you for 1989.

Yours very truly,

Alfred Traverse
Professor of Palynology

P.S. My wife and I were in Melbourne before ICP and thought it was great. I could easily spend a week in the Melbourne Botanical Garden!

AT/et

Prof. Alfred Traverse
 Dept. of Geosciences
 435 Deike Building
 Pennsylvania State Univ.
 University Park,
 Pennsylvania, 16802.
 U.S.A.



AUSTRALIA

DEPARTMENT OF EARTH SCIENCES
 Head of Department: Professor Gordon S. Lister

5th December 1988

Dear Al,

I am a Ph.D. student in the Department of Earth Sciences at Monash University. I have met you before (at the 7th IPC in Brisbane), but don't really expect you to remember me.

As a continuation of my work which I talked about at the IPC, I am now working on the palynofacies of 4 offshore wells from the eastern side of the Gippsland Basin (southeastern Australia), from the Late Cretaceous to the early Tertiary. Recognition of the different palynofacies assemblages (about 8 of them) has been fairly easy, but interpretation is quite another matter. A problem I seem to be coming up against frequently is that there are no really comprehensive analyses of modern sedimentary systems and their palynofacies. The Gippsland Basin also has rather a complex history as a failed rift basin, which gradually evolved to continental shelf conditions through continuous transgression. The most interesting part for me is the Late Cret. rift basin phase (with its range of sub-environments), and the fact that Gippsland has always been a very low gradient basin. I also have some marine dinoflagellates where they have not been recorded before (not in published literature anyway), and some possible freshwater or estuarine dinoflagellates.

My purpose for writing is to enquire as to whether either of your papers given at the IPC are published? I enquire about "Studies of pollen and spores in rivers..." for obvious reasons. However, I would also be interested in the other paper and the idea of spore/pollen "phases" rather than zones. My work on palynofacies has turned up the observation that many of the palynological zone boundaries correspond with a palynofacies change. It makes me wonder whether a true terrestrial sequence would not show a different picture, e.g.- evolutionary rather than "taphonomic" changes in the flora. I also see a big problem in using the Gippsland Basin biostratigraphy in places as far away as Western Australian Basins (and it has been done) as it really seems to be a very localized biostratigraphy. Unfortunately it is the only well looked at southern Australian sequence of this age, so everyone uses it. I would be interested to read your ideas on plant evolution as I could not get to see that talk of yours at the IPC.

Thanks for your time,

Yours sincerely

Jennifer G. Baird

April 16, 1969

Alfred Traverse

Prof. Paul T. Baker
233 Walnut Building

Dear Professor Baker:

It seems absurd to resort to the mails for communication when we are less than a mile apart, but it's some sort of comment on the state of things.

The national organization of palynologists is to meet at Penn State this coming fall--19-21 October. One of the featured speakers will be Paul Martin of the University of Arizona, who is an old friend of mine. He will present a paper on a technical aspect of palynological laboratory work. However, Paul called me last week to inquire whether there might not be interest in the anthropology-archeology-sociology area at Penn State for him to give one or more lectures on his theories on man as an agent of extinction in the Pleistocene¹"Pleistocene Overkill", Time Magazine called it when they did an article on Martin a while back. He could also speak on his work ("The Last 10,000 years) on prehistoric movement of plants and man in the Southwest. Is there such a possibility, and, if so, would it be possible for you (or whoever) to pay him an honorarium? Apparently, he has no travel money available at the moment. The society will give him a free ride at the conference, plus \$50 honorarium, but that still leaves the kitty about \$200 short for the trip here from Tucson. The lecture(s) could be either the preceding Friday (17 Oct.) or the day after the meeting (22 Oct.), or even during the meeting (20-21 Oct.).

Looking forward to hearing from you, I am

Yours very truly,

Alfred Traverse
Associate Professor of Geology & Biology

ATlkwc

cc: Paul Martin

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

1 October, 1987

Dr. Richard G. Baker
Department of Geology
University of Iowa
Iowa City, Iowa 52240

Dear Richard:

Am reading at home today and finally have come to the packet of reprints you sent months (?) ago, including your GSA abstract with Amy S. and others, and your paper in Palynology 10, both of which I had already read in the journals, and the paper with a-cast-of-thousands from J. Quat. Sci., which I had not seen and have much enjoyed--terrific job!

Best.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et



Department of Geology
Trowbridge Hall

25 September 1986

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

Dear Dr. Traverse:

Thank you for the kind comments on my reprints. We really enjoyed putting together the Glaciation paper. It is a chapter in one of the finest books that I know of on the natural history of a state--one of those great books for coffee tables.

I am glad to hear that Cathy Barnosky is helping you edit the Cenozoic portions of your book. I know her well, and she is just excellent. Now, to try to answer your questions. I feel that the use of Hypsithermal vs Altithermal vs climatic optimum is largely a matter of personal choice and of where you are working. The Altithermal was defined in the West by Antevs. The Hypsithermal was defined by Flint, et al., and is used mainly in eastern U.S. Most people have avoided using climatic optimum, because one person's optimum climate is another's least preferred. Perhaps one of the main problems is that the timing of the warmest interval in the Holocene is quite variable, ranging from earliest Holocene in parts of the Pacific Northwest and Canadian Rockies to middle Holocene in the northern Midwest to late Holocene in other parts of the Midwest. I'm afraid I have not been as consistent as I might have been in my use of these terms--I use Altithermal in my Rocky Mountain work and Hypsithermal in the Midwest.

The use of haploxylon and diploxylon have been clearly different in paleopalynology than in Quaternary palynology. I was shocked at this when I attended one of George Hart's workshops on Paleozoic palynology, and found definitions that were completely different from the ones I used. I believe that Quaternary palynologists' use of the terms stems from a paper by a Japanese worker named Ueno (Ueno, J. 1958. Some palynological investigations of Pinaceae. J. Inst. Polytech., Osaka City Univ. (D) 9: 163-186). I don't have a copy of it, but it was often quoted in the 1960's literature. The main difference between these two subgroups in modern pines is the presence of verrucae on the distal face of haploxylon pines, and their absence on diploxylon pines. Unfortunately, the shapes cited in the paleo definitions don't seem to correspond to any difference between these two modern subgroups. My question is, where did the paleopalynologists get the names? If they are supposed to refer to modern pine morphology, they are certainly misused. Maybe you should suggest other names for these morphological types? Sorry, that is the best I can do.

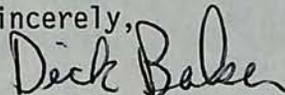
Dr. Alfred Traverse

Page 2

25 September 1986

I hope the book goes well. I don't suppose there is any chance that it will be out by the time I teach the course next spring?

Sincerely,



Dick Baker
Professor and Director
Iowa Quaternary Studies Group

16 September, 1986

Dr. Richard G. Baker
Department of Geology
University of Iowa
Iowa City, Iowa 52240

Bear Colleague:

I immensely enjoyed the package of abstracts, reprints, and the
SPLENDID "Glaciation" pamphlet. That was just a joy to read.

Now for a couple of questions generated by the reprints, which I
hope you can answer promptly.

The three reviews of my textbook project are now in hand, and I am in
the final stages of responding thereto. Cathy Barnosky of Carnegie Museum
has done a great job with the Cenozoic parts, but she has challenged me on
a number of things, and you could help me untangle some of it!

1. I had used "hypsithermal" for the Holocene "climatic optimum."
She asks that I strike it. I've done so, but have kept "climatic optimum."
What does "altithermal" per your papers mean specifically? Who coined
the term? I'll include it in my glossary, if possible.

2. I define "haploxylon pine" and "diploxylon pine" pollen in the way all
paleo people do who define it (Kremp, Pocock, etc.). See xeroxes. However,
there's a circularity here, probably, as they may have got their definitions
from none other than Traverse, 1955. Can you help?

Best.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et
encl: xeroxes

7 October, 1982

Dr. Richard G. Baker
Department of Geology
University of Iowa
Iowa City, IA 52242

Dear Dick:

Thank you so much for your kind message of 17 September, and especially for the book from Shatilova. Glad to hear about her again, and to have the book (I've never met her, of course). I will write her immediately, thanking her for the book and expressing the hope that she and I can meet some day. Wish I could have been at the INQUA Congress also. I seem to have only about one big meeting a year in my system, and unfortunately there is more like one per week.

All the best.

Yours very truly,

Alfred Traverse

AT/et

THE UNIVERSITY OF IOWA

Iowa City, Iowa 52242

DEPARTMENT OF GEOLOGY

17 September 1982

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

Dear Al:

I attended the INQUA Congress in Moscow this summer. While I was there I met Irene Shatilova from Tblisi, who had worked with one of my former students during his 8-month post-doctoral exchange visit there. She asked me if I knew you (I said "Doesn't every palynologist?"), and would I send you her book? To make a long story short, I am sending the book and another reprint under separate cover. She sends her regards.

Sincerely,

Dick

Dick Baker
Professor

Richard G.

THE UNIVERSITY OF IOWA

Iowa City, Iowa 52242

DEPARTMENT OF GEOLOGY

5 November 1981

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

Dear Al:

I am finally taking a day to catch up with correspondence. I note with chagrin how long ago you wrote me about Eucalyptus tablets. Unfortunately they are not really available anywhere. Lou Maher had a batch made up about 10 years ago, and I got in on his order at that time. Both he and I are now close to running out of them. He had Stockmarr make them up, but apparently they were much more difficult to make than Lycopodium tablets, and no more were made to my knowledge. It might be nice to try again.

Sincerely,

Dick

Dick Baker
Associate Professor

23 September, 1981

Dr. R. G. Baker
Department of Geology
University of Iowa
Iowa City, IA 52242

Dear Dick:

Many thanks for the reprints (mailed 10-VI-81) which were in the pile on my desk when I finally got back (gone since Fall '80) last week. I have actually read most of what you wrote. Especially interesting to me is the now pretty thorough info on the Farmdalian interstadial.

In your paper with van Zant et al., in Palynology:3, one of you mentions (p. 229) the use of Eucalyptus pollen tablets. Where do you get them? I teach the use of Lycopodium tablets (which we buy in Sweden, of course), but don't really like the method because of presence of "actual" Lycopodium. Hoping to hear from you about this, I am

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

file
4 December, 1980

Dr. Richard G. Baker
Department of Geology
University of Iowa
Iowa City, IA 52242

Dear Dick:

As you see, I am on a sabbatical leave, working on Neogene things here (Zürchersee; Black Sea). Lynn Brant did a good job for a D.Ed., and you'll enjoy his thesis. Problem is, I can't remember the title, and I don't have a copy here. I suggest you write him directly, and please tell him I sent you!

Dr. Lynn Brant
Division of Science & Mathematics
Nasson College
Springvale, ME 04083

When you get time, could you send me info re next INQUA meeting?
(Xerox of your copy of the blurb, or whatever.)

All the best.

Yours very truly,

Alfred Traverse
Visiting Professor

AT/et

file

Department of Geology
Trowbridge Hall



1847

November 20, 1980

Dr. Al Traverse
Department of Geosciences
Penn State University
University Park, Pennsylvania 16802

Dear Al:

I read in the AASP Newsletter of a D.Ed. dissertation by Linn Brant on palynological interpretations from postglacial lakes in Montana. I have been asked to write a review paper on the Holocene vegetational history of western U.S. for the next International Quaternary meeting. I would like to obtain a copy of this dissertation because there is precious little work done in Montana. Could you either loan me a copy, or tell me how I might obtain one. I would need to know the exact title, too, please.

Thank you for your consideration.

Sincerely,

Rich Baker

Richard G. Baker

gf

November 27, 1967

AIR MAIL

Mr. S.P. Bakker
Dr. W. Junk, Publishers
13, van Stolkweg
The Hague
The Netherlands

Dear Mr. Bakker:

Thank you very much for yours of 31, October, which cleared up the mystery of for whom I was doing the review of "Pflanzenzoologie und Palynologie".

In the meantime, I had written another letter to your company reiterating my request for information. Please disregard this second letter.

Yours very truly,

Alfred Traverse
Associate Professor of Geology

AT:kwc

Department of Plant Ecology
University of Saskatchewan
Saskatoon, Sask., Canada
June 20, 1959

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

Dear Dr. Traverse:

Thank you for your encouraging letter of June 16. It seems that my article received much more attention than I thought it would. I have received quite a few letters in my "fan-mail!"

I fully agree with you that "the citation of a scientific plant name should include the author of the name." If possible, i.e. if the Editor of the Plant Science Bulletin agrees, I would like to write a Postscript to my article in the light of the comments received from readers. I hope you would not mind if happen to quote your letter in the Postscript.

Very truly yours,

Trilochan S. Bakshi
Trilochan S. Bakshi
Post-Doctorate Fellow

June 16, 1959

Dr. Trilochan S. Bakshi
Department of Plant Ecology
University of Saskatchewan
Saskatoon, Saskatchewan
Canada

Dear Dr. Bakshi:

Congratulations on your paper, "A Plan for a Wider Usage of Scientific Plant Names," which I have just read. I have been exasperated by the use of common plant names in technical writings, especially where no flora exists for the area concerned, as is the case in south Texas, for instance. Where there is a flora, one can usually puzzle out what is meant.

I am especially annoyed by the strained use of so-called "common names" that aren't common at all but have been manufactured from the scientific name.

I would argue, however, that you didn't go far enough. The citation of a scientific plant name should include the author of the name or combination at least the first time the name is cited. One could cite numerous instances where failure to do this introduces ambiguity. Hence, I feel one should be consistent about giving the author citation. Pinus taeda is better than loblolly pine, but Pinus taeda L. is better yet.

Very truly yours,


Alfred Traverse

AT:mpd

Shell Development Company
Exploration and Production Research Division

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

19 May, 1987

Dr. Chris Baldwin
Boston University
Department of Geology
725 Commonwealth Ave.
Boston, MA 02215

Dear Chris:

It was very interesting to meet you in the field a couple of weeks ago. I would have liked longer with you, to be convinced that the "Retallack site" is a riverine, on-land deposit. Was the absence of marine shelly material part of the reason for rejecting tidal deposits? Don Woodrow (Hobart) gave a lecture here recently on Catskill-related stuff from NY that he interpreted as tidal. It looked a lot like the Juniata sequence that you, Deb Friele, PKS and I visited. There was, however, a little shelly "hash" in some of the layers.

Please drop in, if you're here again.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

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

30 May, 1994

Stuart A. Baldwin
Fossil Hall, Boars Tye Road
Silver End, Witham, Essex
CM8 3QA, U.K.

Dear Stuart:

Thanks for your nice note of 14 March and the copy of Catalogue 5, which I am passing along to other paleontologists here. I probably will not be acquiring more stuff for my own teaching, as it will obviously come to an end before too long (I'm even older than WGC!).

All the best.

Yours very truly,

Alfred Traverse

AT/et

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

28 February, 1994

Mr. Stuart A. Baldwin
Fossil Hall, Boars Tye Road, Silver End
Witham, Essex, England CM8 3QA

Dear Friend:

Heavens to Elizabeth, this has taken ^{too} long! Yours of 6
December came right about when we got ^{back} from England, ~~when~~ I took
part in the Chaloner celebration at Royal Holloway.

Finally, a copy of the little article about our mutual friend,
WGC, is enclosed. I'm flattered by your nice comments on it.

I greatly enjoyed the enclosures with your letter. Who knows,
some day I may drive up with a rent car from Gatwick! I have put
the catalogs in the appropriate place around here. Fossil
plants, by the way, don't seem to be a feature.

I wish you all the best, and success with your business.

Yours very truly,

Alfred Traverse

enclosure: reprint

Stuart A. Baldwin, FGS, S

(S.A. & P.F. Baldwin)

Educational Palaeontological Reproductions,

Museum of Palaeontology,

Baldwin's Books (P.B.F.A.),

Fossil Hall, Boars Tye Road, Silver End, Witham, Essex, England, CM8 3QA

Telephone: Silver End STD Code (0376) 583502 Facsimile: (0376) 584480

VAT No. 219 1793 51

25 YEARS SERVING GEOLOGY 1969-1994

With compliments

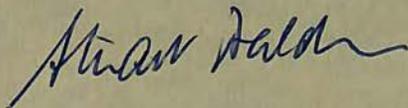
14th March, 1994

Dear Alfred,

Many thanks for the Chaloner reprint. I enclose a copy of one of my own recent publications which does have some plants in it.

If not of interest, would you kindly pass it on to other Palaeontologists in your Department.

Yours sincerely,



Stuart A. Baldwin

Hunt Institute for Botanical Documentation

Stuart A. Baldwin FGS, FLS

(S.A. & P.F. Baldwin)

Educational Palaeontological Reproductions,

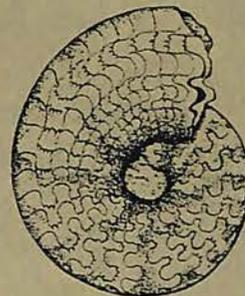
Museum of Palaeontology,

Baldwin's Books (P.B.F.A.),

Fossil Hall, Boars Tye Road, Silver End, Witham, Essex, England, CM8 3QA

Telephone: Silver End STD Code (0376) 583502

VAT No. 219 1793 51
Facsimile: (0376) 584480



Have a copy?

25 YEARS SERVING GEOLOGY 1969-1994

FOSSIL REPLICAS FOR EDUCATION, EXHIBITION & RESALE. (Over 2,000 products)
SECONDHAND FOSSIL AND GEOLOGY BOOKS AND REPRINTS. (Over 150,000 items in stock)

Dr. A. Traverse,
Department of Geosciences,
The Pennsylvania State University,
503 Deike Building,
University Park,
Pennsylvania 16802,
U.S.A.

6th December, 1993

Dear Dr. Traverse,

I have just read with great interest your superb appreciation of Bill Chaloner, a long-standing friend who helped me in my early days when I started my Fossil Replica business.

If by any chance, you have a spare copy I would very much appreciate a copy of a reprint of this as it is one of the most enjoyable articles I have read in many years. *sent*

I enclose a small article on my business which I hope you find enjoyable and a current check list of my catalogues which I would appreciate you passing to the Palaeontology Section of your Department.

Looking forward to hearing from you.

Yours sincerely,

Stuart Baldwin

Stuart A. Baldwin

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

20 November, 1989

Dr. B. E. Balme
Department of Geology
University of Western Australia
Nedlands, W.A.,
Australia 6009

Dear Basil:

Many thanks for yours of 2 November. You're right that this sort of thing is good for the humility, but hardly anybody is 100%. Students think that 85% is damned good, commendable, worth a party! As far as Fig. 10.3 is concerned, don't be at all sure that the error wasn't made by yours truly!

Yes, by all means, send a Stratopodocarpites with appropriate data, as you suggest--when there's a corrected reprinting or (better) a new edition, I'll correct the figure. When that occurs depends on selling the existing copies. I have no idea if that's happening. There has been one royalty check (Dec. 88) so far, which paid off my indebtedness for drafting expenses. I am a long way short of clearing expenses, to say nothing of making money. Of course, that was not something I ever imagined would occur, though I occasionally fantasize that a huge sale would finance my next visit to your country, when we propose to visit Perth, among other places.

All the best.

Yours very truly,

Alfred Traverse

AT/et

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

23 October, 1989

Dr. Basil Balme
Department of Geology
University of Western Australia
Nedlands, Western Australia 6009
Australia

Dear Basil:

An embarrassing list of mistakes are turning up from my palynological textbook. A Chinese fellow (gal?) has just written about Fig. 10.3, pp. 207-209 (I enclose xerox copies of the pages, plus one of p. xii with the acknowledgment). The Chinese colleague points out that Fig. 10.3i and 10.3ah are obviously the same thing. They both came from you, of course. Can you figure out how they got different names and sizes? At this point I can't. I'd very much appreciate your help--I should replace one in a revised edition, if there is one--but which one?

All the best.

Yours very truly,

Alfred Traverse

AT/et
encl: xeroxes of pages from Paleopalynology



The University of Western Australia

Department of Geology
Nedlands, Western Australia 6009
Telegrams Uniwest Perth, Telex AA92992
Telephone (09) 380 2652

Ref.

7th November, 1988

Professor A. Traverse,
Department of Geosciences,
Palynological Laboratories,
435 Deike Building,
University Park, PA16802,
U.S.A.

Dear Al.,

Just an acknowledgment of your letter of October 21st. I mailed a copy of the slide two or three weeks ago, and assume that our letters have crossed. However, if it has not arrived let me know and I shall send another.

Yours sincerely,

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

31 October, 1988

Dr. Basil Balme
Department of Geology
University of Western Australia
Nedlands, W.A.
Australia 6009

Dear Basil:

The great slide came, and many thanks. Forgive me if I asked for it too many times--various notes surfaced, and I may have written more than once. Hmm. Anyway, it is a very interesting slide. I'll use it in the plant evolution class this semester, but not in that course again, as the new head of biology here is a molecular-biology woman who thinks paleo is a crock. She has fired us all from the evolution course and now is trying to terminate my joint appointment and co-listing of my courses as biology. For years I've been saying that I never met a geochemist I really liked, and I may have to expand the concept to include biochemists!

All the best.

Yours very truly,

Alfred Traverse

AT/et

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

21 October, 1988

Dr. Basil E. Balme
Department of Geology
University of Western Australia
Nedlands 6009, W.A.
Australia

Dear Basil:

That was a great keynote at Brisbane. As I mentioned to you there, I'd like a copy of your "last slide"--with names of successions, % of continuing species, etc. I would use it only for teaching purposes. Hope you're agreeable.

All the best.

Yours very truly,

Alfred Traverse

AT/et



The University of Western Australia

Department of Geology
Nedlands, Western Australia 6009
Telegrams Uniwest Perth, Telex AA92992
Telephone (09) 380

Ref.

17th October, 1988

Professor A. Traverse,
Pennsylvania State University,
Department of Geosciences,
University Park,
Pennsylvania 16802,
U.S.A.

Dear Al.,

Herewith a copy of the slide that you asked about. Don't treat the details too seriously, but I am prepared to stand by the general message.

It was good to catch up with you in Brisbane. A pity that you couldn't have taken in the west as well. We had a fair-sized tourist group through Perth for a couple of weeks after the conference.

Kind regards.

Yours sincerely,

Basil Balne

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

12 September, 1988

Dr. Basil E. Balme
Department of Geology
University of Western Australia
Nedlands, Western Australia
Australia

Dear Basil:

Perhaps you will recall my asking you at Brisbane for a copy of the last slide in your keynote address--one with names of "successions" and % of continuing spp., etc. I would use it for teaching purposes only. That was a fine talk.

Well, two visits to Australia only whet my appetite for more. I hope I can stay healthy to do it!

All the best.

Yours very truly,

Alfred Traverse

AT/et

25 September, 1980

Dr. B. E. Balme
University of Western Australia
Nedlands, Western Australia
Australia

Dear Basil:

Thank you for the reprints. My colleague, Roger Cuffey, a "paleobryozoologist", was fascinated to know of the bryozoan implement! I enjoyed the palynological detective work! The Greenland P-Tr paper, of course, was more nearly down my alley. I enjoyed cutting the pages, and the science too--especially your discussion (p. 10) of differential preservation of the fossils--hmmm....

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

P.S. Please correct my room no. on your card--it's 435.

21 June, 1977

Dr. B. E. Balme
Department of Geology
University of Western Australia
Nedlands, Western Australia 6009

Dear Basil:

Thanks for yours of 23 May, which took an unconscionably long time to reach here.

Your activities sound very interesting, and I am amazed that you can get so much done--you must not have the sorts of distractions wh which I am subject and which you will observe first-hand if you come here. Which brings me to the main point of your letter!--under the conditions that you outline in your letter, it would be fine for you to spend "a few months" here beginning in September of 1978. I'm afraid that we won't be able to offer you a separate office, although if there are unexpected absences, that is a possibility. At the very least I can give you a desk and access to all of the other equipment in our palynological set^{up}. It would be helpful and interesting to have you around, and I couldn't help but profit from it. I hope it works out.

I don't know where that leaves your request for information about other possible institutions. I would guess that if you want more space than we would be able to give you here, Dewey McLean at Virginia Tech would be a good possibility. He impressed me as having almost no end of laboratory and office space available. He is, wishal, a very interesting guy whose expertise is in an utterly different area from yours, and the cross-fertilization of ideas might be useful. I do hope you decide to come here however.

I shouldn't ever have sent in my name as a possible attendee at Leon. It is just about impossible to finance foreign travel, and there is no way I could pay for such a trip.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

cc: Dr. Wayne Burnham



For CWB

UNIVERSITY
PERTH

The University of Western Australia

Department of Geology

YOUR REFERENCE.....
OUR REFERENCE.....
(IN REPLY PLEASE QUOTE)

Nedlands, W.A. 6009

23 May, 1977

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

Dear Al,

I hope this doesn't sound too much like one of those letters from obscure charitable organisations trying to touch you for a donation to a dubious cause. The position is that I am due for a year's sabbatical leave from about the middle of 1978 and am being urged to provide some kind of preliminary proposal.

There are two or three things that I want to attack. Firstly, I must finish an Australian pollen-spore catalogue that I have been working on in a desultory way for the past 2 or 3 years. I would like also to look at more Triassic material from the northern hemisphere and prepare a short paper on the Trias of the Perth Basin. If these activities don't take too long I have some beautifully preserved Devonian (~~Trasnian~~) material containing some odd-looking hilate spores that don't seem to have been previously described.

→ Is there any possibility of accommodating me at Penn State for a few months from September next year? All I really need is a desk with access to a library and, if possible, a microscope. I have a small research grant that I can use for running costs. Naturally I would be happy to contribute to departmental seminars etc.

→ I will have a full Australian salary, with nowadays few financial responsibilities (for children at least), so should manage in the U.S. without additional funds.

Penn State's accommodation and budgetary problems may be as acute as ours so I will certainly understand if you can't take me in. However I would be grateful if you have any suggestions concerning possible Universities in the States that I might write to.

I saw your name on the Leon programme. It is one of the palynological conferences that I am sorry to be missing.

With best wishes,

Yours sincerely,

Basil Balme

B.E. Balme
Reader in Geology

Wayne - would you object - if he is using

*my office - a few
grad. students? Al*

100% COLLISION
MAY 1972
800/800

June 2, 1972

Dr. Basil Balme
Department of Geology
University of Western Australia
Nedlands, Western Australia 6009

Dear Dr. Balme:

Thank you so much for the copy of "Palynology of Permian and Triassic strata...West Pakistan", which arrived recently. I have a copy of the book in which the paper appeared, and we have all made considerable use of it--for example in the Catalog operation, as well as in the thesis work of Bob Dunay, who has been doing a project which I began in the Triassic of west Texas and New Mexico. Naturally, it is a good thing to have a separate copy of your paper alone--a good deal more managable insize, for one thing! We all wondered why you published it in that volume where most everybody will think of it as having been the work of Kunel and Teichert. Your monograph stands quite well as a book on its own and reflects great credit on you and your work. The illustrations are sensation-al. As you will find I suppose as the Catalog volumes come out, we do not agree with you on every point of nomenclature and taxonomy, but that was hardly to be expected!

Still looking forward to meeting you one of these years, I am with best wishes

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT/vsi

P.S. I continue to get a great deal of use out of the residues of various ages which you sent me when I first came here. They have been absolutely invaluable in teaching my course in palynology.

March 3, 1969

Dr. B.E. Balme
Department of Geology
University of Western Australia
Nedlands, Western Australia

A

Dear Dr. Balme:

Thanks for "Late Permian plant microfossils... Antarctica" and Peltaeystia...". From the point of view of the Catalog it's heart-warming to see a paper without all new species! I much appreciate being kept abreast of your work. From discussions with Jim Schopf I had despaired of seeing such beautiful stuff from Antarctica.

Yours very truly,

Alfred Traverse
Associate Professor of Geology

AT:kwc



The University of Western Australia

Department of Geology

YOUR REFERENCE.....

OUR REFERENCE.....

(IN REPLY PLEASE QUOTE)

Nedlands

27th September, 1966

Dr. A. Traverse,
Department of Geology and Geophysics,
Pennsylvania State University,
University Park, Pa. 16802,
U.S.A.

Dear Dr. Traverse,

I'm relieved to hear that the samples arrived safely. I had visions of the U.S. Customs solemnly destroying anything that looked as suspicious as these must have. The explanation of the missing list was that my lab. assistant packed the samples and then mislaid the numbers she had sent. Now that I know what you have, the localities are as follows:

- 270 Leigh Creek Coal Measures, S. Aust. Upper Triassic
- 429 Libya, Mrar Formation, Lower Carboniferous (Viséan)
- 449 Liveringa Formation, Canning Basin, Western Australia,
Upper Permian
- ✓ 550 Libya, Mrar Formation, Tournaisian-Viséan *(class. Gannan)*
- 574 Libya, Middle Devonian, Givetian
- 1406 Stuart Range, South Australia, Lower Permian
(Sakmarian)
- 1672 Cockleshell Gully Formation, Perth Basin, Western
Australia, late Lower Jurassic
- 2504 Carynginia Formation, Perth Basin, Lower Permian
(Artinskian)
- 2672 Kockatea Shale, Perth Basin, Lower Triassic
- 2758 Amb Formation (= Lower Productus Limestone), Salt
Range, W. Pakistan *Upper Permian*
- 2925 Yarragadee Formation, Perth Basin, Lower Cretaceous.

All the samples could probably do with further washing. They are at present stored in glycerol, water and phenol. I hope they are satisfactory as I did not have a chance to check them before they were dispatched, although

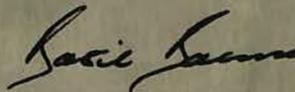
they were all prepared from material which had previously yielded good separations.

Your account of Utrecht interested and entertained me. Nair has been bombarding me with exhortations for months, urging me to join him in the great task of making the world safe for palynology, and I wondered how he got on. My worry about International Organisations at present is the scarcity of palynologists of genuine distinction to lend a certain amount of dignity and discipline at the top. Most of the really sound accomplishment so far has been in the field of Quaternary post-glacial studies and few of these people seem interested in any International body: unless the situation changed at Utrecht. I think, also, that we must be careful not to slip into the Indian habit of regarding "PALYNOLOGY" as a science in its own right and forget that it is simply a technique for attacking a variety of problems in the biological and geological sciences.

I had not realised that you were working on pollen distribution in modern sediments. We have done a little work here, mainly in estuaries and small off-shore marine basins, but the data has been lying unpublished for some years. Will your paper in the Conference Proceedings be a complete account, or only a summary? I am at present finishing a fairly long paper on the Permian and Triassic of the Salt Range, and then hope to return to the Upper Permian of the southern hemisphere.

With best wishes,

Yours sincerely,



(B. E. Balme)

Senior Lecturer in Palynology



The University of Western Australia

Department of Geology

YOUR REFERENCE.....

OUR REFERENCE.....

(IN REPLY PLEASE QUOTE)

Nedlands

27th September, 1966

Dr. A. Traverse,
Department of Geology and Geophysics,
Pennsylvania State University,
University Park, Pa. 16802,
U.S.A.

Dear Dr. Traverse,

I'm relieved to hear that the samples arrived safely. I had visions of the U.S. Customs solemnly destroying anything that looked as suspicious as these must have. The explanation of the missing list was that my lab. assistant packed the samples and then mislaid the numbers she had sent. Now that I know what you have, the localities are as follows:

- 270 Leigh Creek Coal Measures, S. Aust. Upper Triassic
- 429 Libya, Mrar Formation, Lower Carboniferous (Viséan)
- 449 Liveringa Formation, Canning Basin, Western Australia,
Upper Permian
- 550 Libya, Mrar Formation, Tournaisian-Viséan
- 574 Libya, Middle Devonian, Givetian
- 1406 Stuart Range, South Australia, Lower Permian
(Sakmarian)
- 1672 Cockleshell Gully Formation, Perth Basin, Western
Australia, late Lower Jurassic
- 2504 Carynginia Formation, Perth Basin, Lower Permian
(Artinskian)
- 2672 Kockatea Shale, Perth Basin, Lower Triassic
- 2758 Amb Formation (= Lower Productus Limestone), Salt
Range, W. Pakistan ^{upper Permian}
- 2925 Yarragadee Formation, Perth Basin, Lower Cretaceous.

All the samples could probably do with further washing. They are at present stored in glycerol, water and phenol. I hope they are satisfactory as I did not have a chance to check them before they were dispatched, although

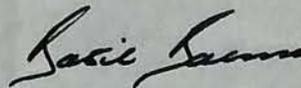
they were all prepared from material which had previously yielded good separations.

Your account of Utrecht interested and entertained me. Nair has been bombarding me with exhortations for months, urging me to join him in the great task of making the world safe for palynology, and I wondered how he got on. My worry about International Organisations at present is the scarcity of palynologists of genuine distinction to lend a certain amount of dignity and discipline at the top. Most of the really sound accomplishment so far has been in the field of Quaternary post-glacial studies and few of these people seem interested in any International body: unless the situation changed at Utrecht. I think, also, that we must be careful not to slip into the Indian habit of regarding "PALYNOLOGY" as a science in its own right and forget that it is simply a technique for attacking a variety of problems in the biological and geological sciences.

I had not realised that you were working on pollen distribution in modern sediments. We have done a little work here, mainly in estuaries and small off-shore marine basins, but the data has been lying unpublished for some years. Will your paper in the Conference Proceedings be a complete account, or only a summary? I am at present finishing a fairly long paper on the Permian and Triassic of the Salt Range, and then hope to return to the Upper Permian of the southern hemisphere.

With best wishes,

Yours sincerely,



(B. E. Balme)

Senior Lecturer in Palynology

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

21 September, 1966

Dr. B. E. Balme
Department of Geology
University of W. A.
Nedlands, Western Australia

Dear Dr. Balme:

The package of macerations was here, in absolutely perfect condition (what a professional packaging job!) when I got back from the Utrecht meeting. I am delighted to have it. There is only one slight problem--I do not find a paper telling me what the numbers on the vials mean in terms of stratigraphic position, etc. My filing system admittedly hasn't really begun to function here yet, but at least yours of 27 July does not contain the necessary info. I thought perhaps I could puzzle it out from your papers, but it doesn't seem possible. Could you possibly have somebody let me know what the numbers (270, 429, 449, 550, 574, 1406, 1672, 2504, 2672, 2758, 2925) mean? Just stratigraphic position and general location, unless you want to get fancy.

I do hope that I shall be in a position to reciprocate this nice favor one of these days.

The meetings in Utrecht were very interesting and rewarding. As I have said many times, I am staggered by what a big thing palynology has become. There were 350 registrants for the conference, and the Dutch had expected more (only 15 Russians of an "original" 40 showed up--but actually that is quite a bit over par for them). The magnitude of the literature and the numbers of people working with spores is astonishing to me even after I have read all about it. There was much pulling and hauling about the formation of a formal international organization, it seems to me a quite obviously good idea (among other things, unless we are formally affiliated with UNESCO it makes it hard for some persons, especially from Eastern countries to sell coming to the meetings to their authorities). But Dr. Nair's activities before the convention convinced some people that an international organization would serve only the purpose of helping some people with their empire building. The final upshot was that the pros won and the committee is instructed to produce a formal organization as well

as arrange for the 3rd Conference in 1970. No decision was made about the latter. Asia is the obvious place, but the only Asians who issued an invitation were the Indians, or more specifically the Nair group, and eventhat was tentatige. Besides, the Indians are apparently in such bad odor with some people that their invitation stood no chance anyway. The Japanese, another likely candidate for the next hosts, were scarcely represented because the Pacific Science Congress (or whatever it's called) was in conflict with the Utrecht meeting. This even kept a few of the Americans from attending.

There were a tremendous number of papers on Cretaceous materials--by far the largest single group of contributions. This will be apparent from the published Contributions, which are slated to come out in only a few months. Not many papers on recent sedimentation of pollen, one of my greater interests, and not too much interest in the contributions that were presented in that field--such as mine on Bahama Bank and Cross on Gulf of California. Shell's use of computerized techniques in palynology was presented by Charlie Hopping. I must confess that the whole thing appalls me on an emotional level. I was really meant to be a 19th century naturalist, I guess. The creeping tide of computerism in Shell was one thing that made it easy to leave the company and study theology for three years!

Enough of this. I must get back to work. I do hope you'll be able to attend the Botanical Congress in Seattle in 1959 or that in some other way we are able to meet.

Yours very truly,

Alfred Traverse
Associate Professor of Geology

p. s. This is my last letter on this blasted old typewriter. The new electric one just arrived at the door!

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

4 August, 1966

Dr. B. E. Balme
Department of Geology
The University of Western Australia
Nedlands
Australia

Dear Dr. Balme:

Many thanks for yours of the 27th July. It was especially thrilling to know that you will be able to let me have some macerations of material such as the beautiful stuff you illustrate in "The Palynological Record of Australian Pre-Tertiary Floras", which I have been reading and admiring. This will be a big leg-up for me in getting started teaching a course in palynology here this autumn. I would suppose the samples ought to arrive here around the end of September, and that will be just right. I hope I remember to give you my view of the Utrecht conference when I write to thank you for the macerations!

There seems to be every prospect that I'll be able to work up a good program in basic palynology here. At the moment, we're moving into a new building, and it will take a while for me just to get my feet under me. I do have a grant from National Science Foundation to carry out research in some of the problems in Texas in which I am interested. So things really do look reasonably bright.

Thanks again.

Yours very truly,

Alfred Traverse
Associate Professor of Geology

TELEGRAPHIC ADDRESS

"UNIWEST"
PERTH

TELEPHONE

86 2481



The University of Western Australia

Department of Geology

Nedlands

27th July, 1966

Professor A. Traverse,
Department of Geology-Geophysics,
Pennsylvania State University,
University Park,
Pennsylvania 16802,
U.S.A.

Dear Dr. Traverse,

Thank you for your letter of July 14th. I was very interested to hear that you were at Pennsylvania State and hope that you will find time to do some of your own work. I believe University Park is a very fine campus, although I didn't get an opportunity to visit it when I was in America two or three years ago.

I am having a number of samples prepared for you, ranging in age from Middle Devonian to early Cretaceous. These should be ready in a week or so, but as I will be away for three weeks or so they probably will not be posted until late August. If you are going to Utrecht this will not matter too much, I hope. I'm sorry not to be going to the meeting, but funds for travel are very difficult in Australia: fares to Europe are, of course, very expensive. I'd be interested to hear your impressions of the conference.

With best wishes,

Yours sincerely,

Basil Balme

(B. E. Balme)

Senior Lecturer in Palynology

THE UNIVERSITY OF TEXAS
Department of Geology-Geophysics
Pennsylvania State University
University Park, Pennsylvania 16802
U. S. A.

14 July, 1966

Dr. B. E. Balme
Geology Department
University of Western Australia
Nedlands, West Australia

Dear Dr. Balme:

The packet of reprints, including "The palynological record of Australian pre-Tertiary floras," came this morning, having been forwarded to me from the University of Texas.

You will perhaps already know that I am now situated here. I hope that this will be my place of residence for some time, for the constant moving about that I have been at these last few months and years is very destructive of time and energy.

I am sure that I shall make good use of the reprints you have just sent. The papers are obviously well illustrated and documented. They bespeak an incredible amount of progress in knowledge of Southern Hemisphere plant remains.

In connection with a palynology course that I hope to teach here next term, it would be very useful to me if you were in a position to send me several vials of surplus macerated material of Permian, Triassic, and Jurassic rocks. I have plenty of Tertiary material available from my own work, and I gather that previous people in this department (Kremp, for example) have left Carboniferous material, but I am at the moment void of Mesozoic stuff below the Cretaceous. It would be good to have some macerated material to show the students.

I am planning to attend the international meeting in Utrecht next month and may see you there?

Yours very truly,

Alfred Traverse
Alfred Traverse
Associate Professor of Geology

TELEGRAPHIC ADDRESS

"UNIWEST"
PERTH

TELEPHONE
86 2481



The University of Western Australia

Department of Geology

Nedlands

16th May, 1966

Dr. A. Traverse,
Visiting Lecturer in Geology,
Department of Geology,
The University of Texas,
Austin 12,
Texas,
U.S.A.

Dear Dr. Traverse,

I was very pleased to have yours of the 24th March, having not heard from you for so long. I had not sent any of my recent papers as someone told me you had forsaken palynology. I am glad to hear that this is not so. I am sending off the paper on Pre-Tertiary floras by surface mail, together with one or two other recent publications of mine which you may not have seen.

With best wishes,

Yours sincerely,

(B. E. Balme)

Senior Lecturer in Palynology

24 March, 1966

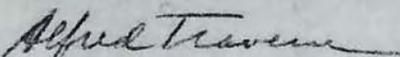
Dr. B. E. Balme
Geology Department
University of Western Australia
Nedlands, West Australia

Dear Dr. Balme:

Is there any chance that you would have a reprint of "The palynological record of Australian pre-Tertiary floras," from the 10th Pacific Science Congress Series? Although I have a one-year appointment here, I have in the past done much of my work privately and may again next year be in the same position, so library materials are not always available to me. That is a beautifully illustrated and very useful paper of yours.

Hoping to meet you one of these years, I am

Yours very truly,


Alfred Traverse

Visiting Lecturer in Geology

February 26, 1957

Dr. B. E. Balme
C.S.I.R.O. Coal Section
P. O. Box 3
Chatswood, New South Wales
Australia

Dear Dr. Balme:

Many thanks for the packet of reprints that came today. They are most interesting reading, and I am very pleased to have them for my library. I hope that we shall be able to remain in scientific contact.

Yours very truly,


Alfred Traverse

AT:rlg

Shell Development Company
Exploration and Production Research Division

December 31, 1956

VIA AIR MAIL

Dr. B. E. Balme
C.S.I.R.O.
P. O. Box 3
Chatswood, N.S.W.
Australia

Dear Doctor Balme:

Many thanks for your kind letter of December 17 and the interest that it reflects. Dr. Daigan has indeed sent me the material that I needed, and I am embarrassed that I was not well enough informed to have asked her in the first place. It was good of you to write her.

I look forward to receiving the reprints that you promise.

Best wishes for the New Year.

Sincerely yours,



Alfred Traverse

AT:djh

Shell Development Company
Exploration and Production Research Division



COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANIZATION

COAL RESEARCH SECTION

TELEGRAMS: FUELRES. SYDNEY
TELEPHONE: RYDE 148

The laboratory is situated
in Delhi Road, North Ryde.

P.O. BOX 3,
CHATSWOOD, N.S.W.

17th Dec. '56

Dr Alfred Traverse,
c/o Shell Development Co.
3737 Kellaire Boulevard
Houston, Texas.

Dear Dr Traverse,

I apologise for my delay in answering your letter of Nov. 20th, but feeling that I may not do full justice to Dr Cookson if I attempted to carry out your request myself, I sent a copy of your letter to Dr Duigan of Melbourne University, who is more familiar with Dr Cookson's earlier research than I am. Dr Duigan has recently replied that she has prepared a biography and bibliography which I imagine you will have already received. I hope Dr Cookson's election will go through: it will be a considerable, and I think, well-deserved honour.

Thank you also for your reprints. Although I had seen all the papers previously I was grateful to have personal copies. I am waiting for reprints of two recent papers of my own to come from the printers and when these arrive I shall send a complete set of my publications.

With best wishes,
Yours sincerely,

B. E. Balme

(B. E. BALME)

November 20, 1956

Dr. B. E. Balme
C. S. I. R. O. Coal Section
P. O. Box 3
Chatswood, New South Wales
Australia

Dear Dr. Balme:

As secretary of the Paleobotanical Section of the Botanical Society of America I am charged with responsibility for polling our people on the election of foreign paleobotanists to corresponding membership. At our recent meeting Dr. Isabel C. Cookson was nominated for this honor, and I must poll our members on the question. It is imperative that I have a biography and bibliography, each of which can be concise, for Dr. Cookson. I do not want to write Miss Cookson directly, of course. I have written Dr. R. A. Couper in New Zealand twice asking that he compile such a thing for me, as I did not have your address. Couper has not responded, from which I conclude that he may not have got the letters. So I wrote Cookson for your address on another pretext, and am now appealing to you for help. If you are unable to prepare such a biography and bibliography, could you ask some other person to do so for me? Since I must get the ballot in the mail as soon as possible, I would appreciate quick action.

I am sending some reprints under separate cover and would appreciate an exchange. I hope we can remain in correspondence.

Yours very truly,

Alfred Traverse

AT:rlg

Shell Development Company
Exploration and Production Research Division

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

21 May, 1990

Dr. N. Baltes
Calea Floreasca No. 85
71403 Bucharest, Romania

Dear Nick:

Yours of 12 April (postmarked 21 April) is just now (18 May) here--apparently the revolution, despite the marvellous things that it brought, did not bring good airmail service! We have been sharing by TV in the Romanian people's joy. We have also been somewhat worried by the great number of problems you have--Moldavia, Transylvania, the economy, extremists of all sorts, etc.

Unfortunately, your trip to the USA was slated to be nearly over as I write this, and it would do no good for me to call Warren Drugg about your arriving out there two weeks ago!

You would be most welcome here, though there is a problem with a number of trips I must take in connection with family problems.

It would be wonderful if the idea of a trip to Romania could now be revived. Actually, it is more feasible for personal reasons than before--my mother is in a nursing home, and I will not need to be so concerned about her care. She was in her own home until a week ago, and I was continually travelling to Michigan to take care of problems about her house, the nursing service, etc. However, I am now retirement age, though not planning to retire, and that might affect my getting NSF support for a trip to Romania.

Hope your visit to USA went well. All the best.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

Bucharest, April 12, 1990

N. Balles
Oil Geology Research Inst.,
103, Toamnei St.,
72152 Bucharest
ROMANIA

Professor Alfred Traverse
The Pennsylvania State
University
435, Beike Building
University Park, PA 16802
U.S.A.

Dear Dr. Traverse,

It is a great pleasure for me to write you (to your wife also) in new and very special conditions in my country: liberty after 50 years of complete dark for our society and, which is very sad, in our souls. As you see, I can now to address you openly and sincerely, without any censorship. It's wonderful!

The former criminal dictator and his clique left behind a deep critical situation in all domains (fuels, energy, foods, medicines, social assistance etc.) but we hope that in a very short time the real democracy (not socialist) will be established.

As you surely know, before the elections (on 20 May) people is very animated; there are many political parties (but only few more important) and a lot of chatter, but our life will calm down gradually and, I am sure, all things will be O.K.

I believe that your plan to visit Romania becomes now actual and completely possible. Any restrictions. Romanian Academy (the new one) cleaned of communists, will be positively honoured (and interested) to offer you the opportunity to visit Romania and its institutes (of Marine Research also), to speak to our specialists.

My wife and I ~~to~~ will be very glad to receive you and your wife in Romania. Please, take again to study this problem and let me know your decision.

The present favourable situation in Romania determined a lot of contacts with foreign partners, in oil geology also. Few American oil companies (as EXXON, Amoco, Chevron, Mobil Oil) and European (Shell UK, TOTAL) already contacted or will do it very soon, our Petroleum Ministry. They intend to cooperate with Romanian companies (of state or private property) in different ways: exploration (Black Sea shelf included), extraction, secondary recovery, deep and very deep drillings, oil transport a.s.o. As you see, a large

spectrum of possibilities for an oil geologist.
Unfortunately, this lucky period will be very short
for me: on May 20, I shall be of 60 years.

Till then, CHEVRON of San Ramon (San
Francisco) invited me and a director of ROMPETROL
(The Rumanian Petroleum Company for Foreign Af-
fairs - restructured after Revolution) in a short
visit (7-20 May 1990) in California and probably,
few states of South and, at the end, Pennsylvania
(not sure). Because I don't know yet the sharp
programme of this visit, I can't give you any
detail, although I should be extremely happy to
meet you somewhere in the United States.

Even if I will be in USA as researcher on
oil source rocks (field in which I currently work)
I'll try to see few palynologists of San Francisco
(maybe P. Uggren, V. Wiggins or some other
younger) or Warren Drugg from La Habra. In
this way I ask you for a great favour, if
possible. Please, ring W. Drugg and ask him
to find me at CHEVRON around 7-8 of May.
It will be probably the best occasion to contact
a palynologist from the "old team" in this area,
after a very long time of reclusion.

Dear Dr. Travetse,

Hoping to meet you (more sure in Romania) I wish you and to your wife good health, new successes in your work and
Happy Easter 1990.

Friendly yours,
Rick

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

24 January, 1989

Dr. N. Baltes
Str. Nikos Beloianis no. 8,
Et. III, ap. 11, sc. A
70186 Bucharest, Romania

Dear Nick:

My wife and I greatly appreciated your seasonal greeting. We still have a strong desire to see your beautiful and interesting country. We keep hoping that it will be possible some day. We join in wishing you a very good 1989.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

12 March, 1986

Dr. N. Baltes
Oil Geology Research Inst.
103 Toamnei Str.-1
72152 Bucharest
Romania

Dear Dr. Baltes:

Yours of 17 February was on my desk when we got back a few days ago from our most recent emergency trip to Indiana re my wife's parents. As you know, we thought we had the situation there stabilized, but the "repair job" lasted only seven months. We had to move Mother to a single room and dispose of the extra furniture and clothes, as my wife's father had several strokes in December-January, as well as pneumonia, and is not permanently in a hospital arrangement. What is worse, he is so weak that he could die any day--~~in~~ last six months. We obviously can't go out of the country for the foreseeable future.

It is terribly disappointing, and we feel very sorry and embarrassed to have inconvenienced you again. What more can I say.

Best wishes.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

Bucharest, February 17, 1986

N. Baltes
Oil Geology Research
Institute
Toamnei str., 103,
72152 Bucharest
Romania

Prof. Dr. Alfred Traverse
Pennsylvania State University,
Seike Building,
University Park,
Pennsylvania 16802
U. S. A.

Dear Dr. Traverse,

I receive your letter of 6 January in which you inform me about the re-^{insti-}tution of your visit in Romania. Your family problems being solved it is quite normal to retake your intentions concerning the Romanian trip. I am very happy to receive you and your wife in our country (all other palynologists of Romania will be glad too) and make your tour here useful as possible. Of course, the programme could be the same as the previous one. Nevertheless, I included, with your agreement, few days to the Iassy University (North-East of Romania) the oldest University of Romania, to see Prof. Dr. Olsaru Leonard, a good palynologist on oldest palynomorphs (Pre- and Lower Paleozoic). I think it will be of some interest for you.

All things being the same you must contact again the Romanian Academy

as soon as possible, and ask to organize your programme, better said to finalize it, in connection with the scientific units included in your visit (Institute of Geology & Geophysics, Oil Geology Research Institute and University of Bucharest, University of Cluj-Napoca, University of Iassy and Institute of Marine Researches in Constanta). We, all palynologists of here, are ready to materialize this programme.

In Romania, especially in the Southern part, is a very strong winter, much snow and a terrible wind, but a Romanian proverb says that if the winter is strong, the summer will be warm and rich, so, good auspices for your visit.

Dear Dr. Traverso, please convey to your wife my compliments and be sure that your trip in Romania will be pleasant and fruitful. Romanian people knows to well receive its guests.

Very truly yours,
Nic Balle

P.S. Please, keep me in touch with all your actions, concerning the visit in Romania, and if necessary for urgent communications or hour changes, phone me to 59.76.96, at home, between 15-22h, Romanian time. I hope all will be O.K.

22 January, 1986

Dr. N. Baltes
Oil Geology Research Inst.
103 Toamei Str-1
72152 Bucharest, Romania

Dear Dr. Baltes:

Probably you will have received mine of 6 January 86 by now. In the meantime I got your very nice seasonal greeting. The postmark is 7 Jan. 86, so I know that you had not got mine first, although the message seems to imply so--it is good to know that a renewal of the plans to visit Romania for 86 (instead of 85) is possible! Could I please, as soon as possible, hear from you about this in some detail? The USA National Research Council (Academy of Science) has apparently again sent my name forward to the Romanian authorities.

Your proposed itinerary for 85 was good, except that it seemed perhaps a bit rushed. I would be thinking in terms of about 1 June - about 1 July, 1986. In terms of lecture topics, if you think I would be expected to lecture here and there, I would now want to emphasize:

1. Latest palynostratigraphic work on the Triassic-Jurassic basins of North America
2. Upper Devonian palynofloras of New York and Pennsylvania, in relation to sedimentary environments
3. A 20 year study of the palynology of the water of Trinity River and Trinity-Galveston Bay, Texas.

Looking forward to hearing from you soon, I am

Yours very truly,

Alfred Traverse
Professor of Palynology

P.S. Regarding "palynological papers" you mention in your seasonal message-- could you tell me more exactly what you'd like? Are you talking about duplicate reprints in my library, or are there specific titles you are lacking? When I come next summer are there books I should bring for you all? (Evitt's new dinoflagellate text?? or something else?).

AT/et

cc: Dr. M. Iovine, NRC

6 January, 1986

Dr. N. Baltes
Oil Geology Research Inst.
1031 Toamnei Str-1
72152 Bucharest
Romania

Dear Dr. Baltes:

The U.S. National Academy of Sciences called me just before Christmas to suggest reinstituting my Romanian visit, which misfired in 1985, as you know, because of our acute family problems in May-June last year. I told them that if you all are still interested in having me, I'd be interested in visiting Romania along the lines of the tour proposed for last year, in May-June of 1986. How about it, would you all still like to have my wife and me?

Happy 1986 to you, and best wishes as ever.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

1986

Merry Christmas
and best
wishes for the
New Year!

Vic Ball

Dear Dr. Traverse,

I wish you and to your family
a Happy New Year 1986 and
a (real) visit in Romania. For and
your wife will be always welcome
here.

V. Ball

maybe you have some
(old) paleontological papers. I
should be happy to keep them
in my poor library

14 March, 1985

Dr. N. Baltes
Oil Geology Research Inst.
1031 Toomnei Str.
72152 Bucharest
ROMANIA

Dear Dr. Baltes:

It is so difficult for me to write you, that I can hardly bring myself to do it. My wife's elderly parents, who live by themselves in a large city in our Midwest (Indianapolis), have quite suddenly become incapable of caring for themselves. After several visits out there (the huge size of our country makes things like this difficult), my wife and I conclude that her parents' home must be closed and sold, and they must be relocated in a nursing home, as soon as we can get them admitted. This is a dreadful, difficult and discouraging job. I must be available to help my wife with the various tasks involved--disposition of the household goods, etc., etc. We have had a long "council of war" today and conclude that we simply cannot leave North America this year. (June-August are the only times available to us for either Romania or this talk.) So, regrettably, I must tell you that the much anticipated visit to Romania is impossible. Sorry. Hope we'll be welcome, perhaps for a shorter visit, at some future time. I am terribly sorry for the unnecessary trouble this has probably caused all of you in Romania.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et
cc: Ms. Diane B. Bieliauskas

30 November, 1984

Dr. N. Baltes
Cales Floreasca No. 85
71403 Bucharest, Romania

Dear Dr. Baltes:

I meant to send you a copy of Demetrescu's letter, but think I failed to--just to keep you informed about Romanian palynologists who might be interested in meeting me.

All the best.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et
encl

9 October, 1984

Dr. N. Baltes
Oil Geology Research Inst.
103 Toamnei Str.
72152 Bucharest,
ROMANIA

Dear Dr. Baltes:

Many thanks for yours of 11 September. I wasn't really worried about the lapse of time--there is still plenty of it before next summer. We also have been very busy--with 6 IPC in Calgary, and many personal and professional problems.

Your proposals for the projected visit seem basically fine to me--I presume you have communicated (or will do so) with the necessary people at the various institutions--and I note that you will tell me later whom I should write. I would perhaps suggest that enough time be built into the program for travel from place to place and a little rest at each place--the proposed schedule doesn't seem to allow much for that. And we do hope to see something of Romania's famous countryside! The Danube Delta and the Black Sea are a must, especially as the Bulgarian trip "fell through". I want to collect water and sediment samples. I am at your service about the lecture subject or subjects. I can, of course, talk about my Black Sea work as you suggest. I could also talk about my research in palynomorph-sedimentation, which is a matter of general interest and importance. (I note that one of my earlier studies in this subject has been written up and illustrated in the Romanian palynology text, by Dragastan (pp. 390-392).

Well, old friend, I begin to feel that maybe we really will meet in Bucharest in 1985!

Best wishes from us both.

Yo

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

P.S. In answer to your query: the trip to Bulgaria simply dried up--I never got firm information about when or where I was expected, titles of expected lectures, etc. I got the idea we would be only marginally welcome, if at all, for whatever reason, and we decided to stay home.

cc: D. B. Bieliauskas (National Research Council)

N. Baltas
Oil Geology Research Inst.,
103 Toamnei str.,
72152 Bucharest
ROMANIA

Bucharest, Sept. 11, 1984

Prof. Alfred Traverse,
Pennsylvania State University,
435 Deike Building,
University Park, PA 16802
U.S.A.

Dear Prof. Traverse:

Please, excuse me to answer so late to your kind letter of June '84. It was a very hard summer for me, full of professional and private duties. Two difficult sampling trips, one for stratigraphic studies of the Central Paratethys Neogene, the other to establish the influence(s) of volcanic eruptions (implicitly the temperature increase) to the coal rank and organic maturation. Then, my vacation in some not very good weather conditions.

Concerning your visit in Romania, June 1985, I think to the following scientific work you can do here (length and order can be changed depending on your agreement, and, of course, our possibilities at that moment):

- First day: accommodation and particular visit to the Romanian Academy.

- One day: The Bucharest University, Faculty of Geology and Geography - Paleobotany and Palynology.

- Two-three days: The Institute of Geology & Geophysics - Pre-Cambrian to Quaternary palynology.
- Two-three days: Oil Geology Research Institute - Paleozoic to Pliocene palyno-stratigraphy, organic maturation, oil potential etc.
- Four days: The University of Cluj Napoca - Cenozoic paleobotany, palynology and nanoflora. Few short trips around the town.
- Four days: The University of Iasi. Metamorphic rock palynomorphs, Upper Cretaceous to Quaternary palynology. Few short trips around the town.
- Ten days: Constantza and the Black Sea littoral, including Danube Delta.
- Four to six days: free or programme at your choice (depending ~~of~~ on weather, "mood" and others).

To the Institute of Geology & Geophysics, a lecture of 30-40' (more or less) should be of interest. If you allow me, I suggest you a subject related to the DSDP, about that we don't know too much. Slides, plates, maps or any other exposure material will be, positively, well received. Jean-Pierre Suc from Van Campo's Lab of Montpellier, which visited Romania last year, has presented to the same institute, two lectures, in two days running: (1) Palynologic comparative study of the Upper Tertiary temperature in the Mediterranean and North European basins; (2) The palynological

laboratory of Montfpellier. A short presentation of the organization, equipment, scientific themes and main results, followed by a documentary film in this way.

Very soon I'll try to contact the manager of a specialized institution in Constantza which could facilitate your trip in the Danube Delta and the littoral lakes, geologically and sedimentologically, very interesting.

Depending on your opinion or other new idea you will have, concerning my suggestions above mentioned, I'll give you new data and indications. There will be, probably, few letters ~~to~~ which you can address to some institution or researchers, but, we shall see later.

Wishing you all the best and hoping to know soon your opinions, I am engaging myself to be more prompt answering you. My respectful compliments to your wife.

Sincerely yours,
Nicolae Balles

P.S. What about your visit in Bulgaria?

5 June, 1984

Dr. N. Baltes
Oil Geology Research Inst.
1031 Toomnei Str.
72152 Bucharest, Romania

Dear Dr. Baltes:

As you can see from the enclosed xerox, my nomination by the Academy of Sciences to your Academy is in the works.

As I said in my letter of 1 March, the opportunity to see Romania properly in 1985 seemed a better approach than a hurried side-trip from Sofia. In any case, I must tell you that the trip to Bulgaria fell through, for reasons I don't entirely understand--ultimately there was a problem with the time.

So now we (my wife and I) would like to arrange for the visit of June, 1985--to do whatever you and your colleagues would deem appropriate. I'd like to see something of the wonders of your beautiful country, and I'd like to spend a little time collecting sediment samples along rivers feeding the Black Sea (in connection with my DSDP work). Beyond that, I'm at your command and suggestion. For example, what sorts of lecture or lectures should I prepare, if any? As we have now so much time, I could write letters to whomever you think I should. I agree with your letter of 11 January that Bucharest, Cluj-Napoca, Iași and Constanta are the palynological centers to visit.

Looking forward to hearing from you and to seeing you in June of 1985, I am

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

P.S. That this letter from the Acad. of Sci. arrives in June illustrates how impossible arranging this for 1984 would have been!

1 March, 1984

Dr. N. Balteş
Oil Geology Research Inst.
1031 Toamnei Str.
72152 Bucharest,
Romania

Dear Dr. Balteş:

Your letter of 11 January was much appreciated and very helpful. I have discussed the situation in some depth with the National Research Council people in Washington, DC. It is they who handle official visits along the lines outlined in your letter, in cooperation with the Academy of Sciences of Romania. We are all agreed on careful consideration that the five laboratories and my several scientific colleagues in Romania are too important to be visited as merely part of my visit in July, 1984, to Bulgaria. I have therefore proposed to the National Research Council that I be nominated to the Romanian Academy of Sciences, as an exchange visitor for sometime in summer, 1985. I cannot be sure that I will be selected by the NRC for this honor, but I have a good chance. I believe this is a much better idea than a hurried side-visit, as your letter convinces me that I should visit Cluj-Napoca, Ioşi and Constanta, as well as Bucharest. I would be thinking in terms of a visit of about 3-4 weeks, and we could already be giving some thought to when you would like it to happen, in the time between about 15 May and about 1 August.

I would plan to bring my wife, who is also my technical assistant, but we would, of course, be covering her expenses personally.

Hoping that this new development will meet with your approval, and with very best wishes, I am

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

cc:D. Bieliauskas, Program Officer, National Research Council

N. Ballès
Oil Geology Research Inst.,
103, Toamnei Str., Prof. Dr.
72152 Bucharest
Romania

Bucharest, January 11, 1984
Alfred Traverse
The Pennsylvania State
University
University Park
(Penn 16802)
U.S.A.

Dear Dr. Traverse,

I am very glad to hear about your visit in Bulgaria, because from here, it will be extremely easy to come in Romania. Positively, it will be a real chance for Romanian palynologists to receive you and have a direct contact with the American palynology.

I contacted few of the top palynologists of Romania, some biostratigraphers too. They will be ready, with great pleasure, to receive you, to provide you with the best conditions for a fruitful visit. Certainly, the details will be arranged later, in connection with your programme and the Romanian official consent. So, on this last point, for to have all facilities, I suggest you:

an official letter (if possible from the National Academy of Sciences (USA) or a subordinated institution) to the Academy of the Romanian Socialist Republic. Address: Calea Victoriei no. 125, 79170 Bucharest, Romania, in which could be mentioned the main purposes of your visit (scientific experience exchange, field trips, lectures etc.)

A similar letter to the National

Council for Science and Technology; address:
Strada Roma no. 32, 70054 Bucharest, Romania
This important forum leads the scientific activity in all research institutes, its consent being necessary, especially for the departmental research centers.

In these letters you can specify the institutions you intend to visit. In my opinion they could be:

Bucharest - Institute of Geology & Geophysics
- Faculty of Geology & Geography
- Oil Geology Research Institute

Cluj-Napoca
- Faculty of Geology
- Institute of Speleology and Quaternary

Iasi - Faculty of Geology

Constanta - Marine Research Institute

Except the last institute, all others have paleontological laboratories.

Of course, the duration of visits and field activity will be arranged here, in connection with your time and intentions.

Hoping to know more precisely the topic of your visit in Romania and other details you consider opportune, I remain, Dear Dr. Traverse,

Sincerely yours,
D. Sallé

P. S. Please, convey
to your wife, my best wishes.

2 December, 1983

Dr. N. Baltes
Calea Floreasca No. 85
71403 Bucharest
Romania

Dear Dr. Baltes:

The National Academy of Sciences (U.S.A.) has nominated me to the Academy of Sciences of Bulgaria for an exchange visit in early June, 1984. The authorities at the National Academy tell me that there is also an exchange-visitor opening for Romania at the same general time.'

Would you be around in the second half of June, 1984, and able to receive me to discuss palynological topics? I would also like to see something of the Romanian flora and visit some localities in the Danube delta to collect sediment samples for analysis. I would be accompanied by my wife, Elizabeth, who is also my research assistant. I could lecture about our research at Penn State, if that would be of interest.

Hoping to hear from you soon and with best wishes, I am

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

P.S. I am sending the same sort of letter to Dr. Petrescu.

cc: Diana B. Bieliauskas, Program Officer, National Research Council

20 May, 1980

Dr. W. Baltes
Oil Geology Research Inst.
Toamnetstr., 103,
Bucharest 9, Romania

Dear Dr. Baltes:

Thanks for your nice letter of 29 April. Such good English and handwriting!

If you could send me raw rock samples (say 100 grams or so) from various palynologically productive zones of well-dated Romanian localities (any age), that would be a most useful thing for our laboratory.

Congratulations on the forthcoming 3rd National Colloquium! However, it would already be too late for you to get material in to Dr. Canright for our last Newsletter of the current term. Please do send the material to Dr. Caratini--our new IOP President, as of July. He will get the stuff to the new Editor. (Dr. Claude Caratini, Centre d'Etudes de Géographie Tropicale, C.N.R.S., Domaine Universitaire de Bordeaux, 33 Talence, France) I am sending a xerox of your present letter to him.

I am also sending a xerox to the present Editor, Dr. Canright, with the request he send you a set of the Newsletters, if possible. However, they should have gone to you from Moscow--Dr. Zaklinskaya was responsible for distribution in "the Eastern countries".

I am currently working on a textbook, which will include a part on laboratory sessions in the subject. Basically, my course starts with modern pollen and spores, acetolysis, etc., then moves to rock-maceration, and study of various stratigraphic levels and, finally, to investigation of "unknown" samples.

Yes, please send data on Romanian palynologists to Dr. Fournier, as you suggest. (Dr. George Fournier, Gulf Research and Development Co., P.O. Box 36506, Houston, TX 77036, USA)

I may be in Switzerland on sabbatical in Winter-Spring, 1980-81. If so, perhaps a brief visit to Romania is indeed possible, maybe in March, 1981. But that is all very hypothetical at the moment. More later.

Yours very truly,

Alfred Traverse, Prof. of

Palynology

cc: Norris, Caratini, Canright

N. Baltes
Oil Geology Research Inst.,
Toamnei Str., 103,
Bucharest 9
Romania

Bucharest, April 29, 1980

Prof. Dr. Alfred Traverse
435 Seike Building
The Pennsylvania State University
University Park (Penn. 16802)
U.S.A.

Dear Dr. Traverse,

I am very sorry on the troubles concerning the mailing of some reprints to a wrong address. In fact the address was not wrong but I changed my habitation to a new one. The new address is:

CALEA FLOREASCA NO. 85
71401 BUCHREST
ROMANIA

You are very kind thinking to me and my work and sending me often reprints. Due to the lack of currency in my own country, is difficult, practically impossible for me to contribute to some scientific associations or reunions. I mean to ICR, AAPG or the next Paleontologic Conference from Cambridge. It could be very interesting to see "at work" the "japs", to solve scientific problems or to organize co-operative papers. So, any reprints (even xero-copies) and informations sent from abroad are of a great importance in my activity. In this way, I appreciate your help and, please,

be sure of my full gratitude.

I should be really happy to make, in exchange, something for you. Maybe some reprints (in Romanian) of my work on organic maturation and oil potential? It is a field with good enough results in Romania. Or some slides (news) for your students? Please, Dr. Traverse, let me know this.

In Romania we prepare now the 3rd National Colloquium of Palynology to the University of Cluj, September 1980. Although we have not here (yet) a palynologic association which could be affiliated to ICP, I believe that it will of some interest for other specialists to know the scientific preoccupations of Romanian palynologists. So, it will not too hard for me to send you for ICP Newsletter a short note on "Palynology in Romania".

In connection with ICP Newsletter which is absent of our libraries, I should be greatly obliged to you if you will find, due to your position, the best (and most easy) ~~and~~ possibilities to send me some important numbers (although all is important). Here, I'll make copies for the other laboratories of Romania.

From 1979 I teach the practical activity (microscopy) of the Course of Paleobotany and Palynology to the Bucharest University (Faculty of Geology and Geography). In this way I should be much interested to know how is your course

structured, on what problems you interest and how are organized the practical studies in the present stage of paleontology? Probably in the next year I'll published for students a practical guide of paleontology and your activity and great experience could be prolonged also in the university activity of Romania.

Expecting new lines from you and excusing again for the troubles I am causing you, I remain Dear Dr. Traverso,

Sincerely yours,
I. Balu

P.S - I heard about World List of Paleontologists. Please, tell me, if it will suitable to send my data to Dr. Fournier to include them in this list. Thank you.
- Don't you think to a visit in Romania? I assure you will be very well received.

3 March, 1980

Dr. N. Baltes
Oil Geology Research Inst.
103 Toamnei Street
Bucharest 9, Rumania

Dear Dr. Baltes:

Some reprints I just sent you were returned (see enclosure). According to my address file both that address (possibly your home address?) and the one above would reach you.

Would you please send me a correct address? Then I'll send the reprints out again. Best wishes.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

1978

Happy New Year,

1979!

Happy Christmas
and
Best wishes for the
New Year!

J. Ballis

16 January, 1979

Dr. N. Baltes
Str. Academiei 35-37
Et. I, Apt. 24
70108 Bucharest, Rumania

Dear Dr. Baltes:

Thanks for your beautiful seasonal greeting card which I much appreciated. I have a feeling that I was too disorganized this holiday season, and may well have neglected to send you a greeting. In that case, may I at this late date wish you all the best for 1979. Hoping to meet you one of these years and with kind regards, I am

Yours very truly,

Alfred Traverse
Professor of Palynology
President, ICP

AT/et

n. Baltes
Oil Geology Research Inst.,
103, Toamnei Str.,
Bucharest 9
Romania

Bucharest, July 15, 1975

Professor Dr. Alfred Traverse,
The Pennsylvania State
University,
Seike Building,
University Park
(Pennsylvania 16802)
U. S. A.

Dear Professor Traverse,

Thank you a lot for your letter of June 17, by which you informed me about your route in the Black Sea and the project for IBC. Of course I was extremely sorry to lose the opportunity to meet you in Romania.

From 1st of July, till now, a lot of my country is under waters. We have now a hard period for to retrieve some of the damages. All people works uninterruptedly and heartily, day by day, night by night, to defend towns, villages and especially ~~was~~ the crop which, that crowns all, was very rich this year. As I am sure you understand, in this situation all other projects are canceled (also vacations).

Concerning the IBC, I wish you a pleasant travel and only successes. Certainly your scientific

activity will much appreciate to this important reunion. Please, convey to your wife my respectful salutation.

If you will find some interesting papers to the IBC, even summaries, please, inform me about its. I am sorry to rantack your head with my requests.

And now, a last problem (but not the least). Can you look for a paleontological job for me? Maybe through AASP in Latin America or Africa? I believe there are some hitches somewhere in my work here.

Hoping to have news from you after the Congress, and wishing you all the best, I remain, Dear Professor Traverse,

Sincerely yours,
J. Hall

June 17, 1975

Dr. N. Baltes
Oil Geology Research Institute
103 Toamnei Street
Bucharest 9, Rumania

Dear Dr. Baltes:

Thank you for yours of 13 May which arrived while I was on a re-search cruise in the Black Sea. I got back just yesterday from Istanbul. It was frustrating to be so close to Rumania and have no possibility at all of securing a few days to get over to see you. The possibility of being on the Glomar Challenger in the Black Sea happened very suddenly, and I had to come back here to finish up the arrangements for the International Congress in Leningrad. It was especially frustrating to be unable to make it to Rumania when so close because I am not going to be able to make such a visit after the IBC. This is because the Black Sea *work* necessitates that I confer with some of the people in Moscow and because I have decided to meet my wife in Belgium on the way home and take a little vacation (one of the very few I have ever had!). It would have been fun to have that vacation in Rumania, but a glance at the map shows that it is not exactly on the way! So, I guess we will have to leave that until next time--perhaps on the way back from India in '76?

Best wishes.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT:kc

P.S.: I am not bothering to send you info re Leningrad as I presume it is now too late.

N. Baltes
Oil Geology Research Inst.,
103, Toamnei st.,
Bucharest 9
ROMANIA

Bucharest, May 13, 1975

Professor Alfred Traverse
Pennsylvania State University,
Deike Building,
University Park (Penn 16802)
U. S. A.

Dear Professor Traverse,

After a long time I am able to answer to your kind letter of February 10, 1975. Certainly, I am a lazy-bones. I am ready to suffer all consequences, may be in Bucharest.

I am thinking you are knowing now the draft plan of your activity in this summer. I should be extremely interested to inform me about your route to Leningrad, the time spend there, and, if possible, the intentions concerning your "sejour" in Bucharest. As you probable know, there are not special conditions to come in Romania, except of course, the current touristic rules. I am needing these data for preparing some visits (Bucharest University, Geological Institute, especially). It is also important to know if you want without fail to visit my lab which is connected to the oil industry. If yes, it will be necessary an approval from the top of our Ministry. Please, let me know all your decisions, in this way.

As you will be the first north-american palynologist arrived in Bucharest, I'll strive hard to assure you a pleasant and useful trip to us.

Expecting with much interest your answer, I remain, Dear Professor Traverse,

Sincerely yours,

N. Baltes

P.S. - If you can send me some informations on the Congress of Leningrad, please do it! I'll try to ask for a financial support. Who knows?

February 10, 1975

Dr. Nicolae Baltes
Oil Geology Research Institute
103 Toamnei Street
Bucharest 9, Romania

Dear Dr. Baltes:

Thanks for yours of 10-XII-74 and the season's greeting!

I believe you will in the meantime have received my acknowledgment of the Soviet books, which I much appreciated!

As you say, I am hoping to meet you in Romania in the summer, but the problem may be cash--it is a long way to Leningrad, and Bucharest is not precisely enroute!

Best wishes.

Yours cordially,

Alfred Traverse
Professor of Palynology

AT/vsi

December 20, 1974

Dr. Nicolae Baltes
Oil Geology Research Institute
103 Toamnei Street
Bucharest 9, Rmmania

Dear Nicolae:

Thank you so much for the batch of Russian books which arrived recently. They will certainly be useful to me in my work, and it was good of you to send them, though I fear you were too generous. I am still hoping that we will see each other during 1975 and, once again, am wishing you all the best for the forthcoming year and for the holiday season.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/vsi

N. Baltes
Oil Geology Research Inst.,
103, Toamnei st.,
Bucharest 9
ROMANIA

Bucharest December 10, 74

Prof. Dr. Al Traverse
Pennsylvania
U. S. A.

Dear Professor Traverse,

I don't know if my letter of August 20, has arrived to you safely. After the lack of the answer it seems not. Inter alia this letter referred to your possibility to suggest me some jobs outside, adequate to my practical palynological activity.

I hope that you received the five soviet palynological books, sent to you in middle October.

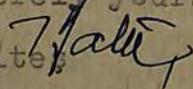
Certainly, your activity developes in a good way. I shall be extremely happy to get some of your recent works. Recently I looked the photo of the participants of the 5th Annual Meeting of AASP (Newport 1972). I think you understand my sentiments regarding it.

My work is connected to the same Cretaceous and Tertiary palynology supplemented by the study of organic matter and its metamorphism.

Being sure to meet you (in Romania) I wish you lot of success in 1975, Merry Christmas and a Happy New Year, with all family.

Sincerely yours,

N. Baltes



*enclosure;
greeting
card*

N. Baltes
Oil Geology Research Inst.,
103, Toamnei st.,
Bucharest 9
ROMANIA

Bucharest, August 20, 1974

Professor Alfred Traverse

The Pennsylvania State University,
529, Deike Building,
University Park, Penn 16802.
U. S. A.

Dear Professor Traverse,

A letter from you, like this of August 8 '74, is as usual, a real and pleasant occasion for me to know, better said, to learn many things (except how an air mailed letter takes one month from Bucharest and only five inverse. May be there are some currents somewhere).

Lot of thanks for your precious informations concerning my long and, surely, tiresome list of problems. I don't know if I should be able to show practically some day, my all gratitude for your help. Certainly, I'll try.

I am convinced of your success regarding the trip in Romania. It will be not a lost time.

On the BP Alaska offer I have not any other information then the previous. Of course, it is not easy to have a private contract outside (here) but not impossible. If you know some jobs more adequate for an ordinary practitioner palynologist, please, give me notice. I believe, it is one of the latest chances to find a bean in the cake. My good intentions on the oil field waters palynology and the organic matter related to the mother rocks, seem to touch the bottom.

Now, I am preparing for you few palynological books printed in Soviet Union. I hope to be of some interest to you.

Expecting, if possible, new data of your rich professional activity, I remain, Dear Professor Traverse,

Sincerely yours,
N. Baltes
N. Baltes

THE PENNSYLVANIA STATE UNIVERSITY

513 DEIKE BUILDING

UNIVERSITY PARK, PENNSYLVANIA 16802

College of Earth and Mineral Sciences
Coal Research Section

Area Code 814
865-6544

August 8, 1974

Dr. N. Baltes
Oil Geology Research Institute
103, Toamnei Street
Bucharest 9, Romania

Dear Dr. Baltes:

It was delightful to hear from you per your letter of 26 June, which took over a month to get here. I am of course very happy that you will be able to host me in Romania after the International Botanical Congress, should I be so fortunate as to be funded for the trip. I guess you are right about how unwise it would be to miss an opportunity to spend a little more time in Romania, especially because of my interest in the Black Sea, and I will try to make arrangements to do just that.

I am happy to arrange for your AASP dues for 1974. Indeed, I thought I had already done it! Anything you wish to send in exchange would be most welcome.

Regarding the question of the BP Alaska, Incorporated, job--I don't see any reason why you shouldn't make application for it if you think that you could get permission to emigrate. I suppose it is only fair to state that North American nationals have some sort of preference, although I have no reason to be sure of that. Indeed, I know of some jobs where they actually prefer foreigners. If you do apply, by all means feel free to use my name as a reference. It would not be appropriate for me to initiate the application however. That you must do for yourself.

Thank you so much for all of your kindnesses. I much appreciate having a professional acquaintance in Romania and very much look forward to getting to know you and your country. Best wishes as always.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT:1sw

N. Baltes
Oil Geology Research Inst.,
103, Toamnei st.,
Bucharest 9
ROMANIA

Bucharest, June 26, 1974

Prof. Dr. Alfred Traverse

College of Earth and Mineral Sc.,
Palynological Labs,
The Pennsylvania State University,
University Park (Penn. 16802)

U. S. A.

Dear Professor Traverse,

Coming back from a field trip dedicated to the preparation of the European Micropaleontological Colloquium (Bucharest, September 1975), I got your letter of May 8, concerning your intention to attend the IBC in Leningrad next year, and Bucharest after (before). Of course, I should be extremely happy to receive you in my country any time you want. However I suggest you to come after the Congress (e.g. 11 July) to stay here more than two days. It is a thousand pities to have only two days for Bucharest. You will see yourself. If you will agree (please, don't say no before a good judgement) we can arrange a short trip in the Carpathian Mountains or in the Danube Delta, both interesting of all points of view. It's a go?

Unfortunately I can't accompany you to the Congress and then turn together in Romania. It's all in the game.

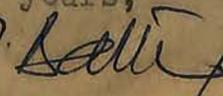
Now a displeasing problem for me (for you also). I received the "third and final" notice regarding my AASP dues for 1974. In the same time I have "accidentally" in addition few books of the 3rd Conference on Palynology of Novosibirsk. Can we make the deal? It is a bird of your own hatching.

What is your opinion on the Newsletter no. 3/74 of AASP (separated sheet) concerning the San Francisco BP ALASKA Inc., request for a stratigraphic palynologist? Should I have any chance in this way? If yes, can you speak a good word for me?

Hoping you will get financial opportunity for the planned voyage in Europe, I am wishing you, Dear Professor Traverse, good speed and a very nice vacation with all family,

Sincerely yours,

N. Baltes



November 14, 1973

Dr. Nicolae Baltes
Oil Geology Research Institute
103 Toamnei Street
Bucharest 9, Romania

Dear Dr. Baltes:

Thank you so much for yours of 21 September with the data on the slides that you sent earlier. The information is very complete and most welcome and will be made part of our permanent reference collection. I agree that it would be interesting to do something in cooperation, but I fear that palynology of oil field waters or palynology of salt are both areas in which I have done a little or no work and offhand do not see how I might make any contribution. Of course, I would be delighted to correspond further with you about these or other suggestions. At the moment we have projects going in this laboratory on the Triassic of eastern North America, the Devonian-Mississippian border problems of Pennsylvania and adjoining states, and on the palynology of surface sediments of the Black Sea (in cooperation with Woods Hole Oceanographic Institution). The meeting of AASP, to which you belong, in Anaheim, California, recently was a great success and attended by over a hundred palynologists from pretty much around the world. There were even several people from Eastern Europe--two from Hungary, one from Yugoslavia. We also had visitors from India, Australia, France, England, Norway, Sweden, Iran, and doubtless other countries which I am not thinking of at the moment.

Best wishes to you for the upcoming holiday season. Inasmuch as your letter of 21 September took until a few days ago to arrive, I assume this is about the right time to give you New Year's greetings!

Very best wishes.

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT/vsi



Upper Jurassic
limestones in
the East
Carpathians

— OFICIUL NATIONAL DE TURISM ROMANIA —

ROMANIA - RUMANIA - ROUMANIE - RUMÄNIEN

Cheile Bicazului
The Bicaz gorges
Les gorges Bicaz
Die Bicaz-Klamm



1137/4

Hunt Institute for Botanical Documentation

N. Baltes
Oil Geology Research Inst.,
103, Toamnei st.,
Bucharest 9
ROMANIA

Bucharest, Sept., 21, 1973

Professor Alfred TRAVERSE

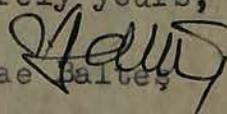
College of Earth and Mineral
Sciences,
The Pennsylvania State Univ.,
University Park,
Pennsylvania 16802
U. S. A.

Dear Professor Traverse,

Please, complete your Romanian palynological slides with the data of the attached table and the tectonic map. If you need detailed observations, please, ask me. I'll answer as soon as possible with great pleasure.

Knowing your important palynological activity, I should be interested to find a way of co-operation with you. What is your opinion about the palynology of the oil field waters ? Or about the salt palynology connected to the diapirism ?

Sincerely yours,


Nicolae Baltes

COMMENTS ON THE ROMANIAN PALYNOLOGICAL

SLIDES

No	Geography	Geology	Age	Lithology (colour)	Provenance	Treatment	Palyno feature	Observations
1	Moldova	Intra- mountain depression	MQ	peat-brown	outcrop	NA,AA(10%)	FM,VC,AP,GP (mostly Pinac)	very well preserved
2	Muntenia	PCD	UP	sandy-clay	"	HF,NA(20%)	VC,AP,GP,VD.	see Ovidites (aff. Magnoliaceae)
3	Banat	PD	LP (UPt)	sandy-marl	well	HC,NA	VC,AP,GP,M-rare	-
4	"	"	LP (LPt)	marl(grey)	"	"	M(very frequent)	see Balteş-Proc. 2nd Planct. Cf.
5	Muntenia	MP	UM-S	sandy-marl	"	" (30%)	AP,Gp,M-rare	-
6	Dobrogea	"	"	diatomit	outcrop	HC-special	Diatoms,Sili- cofl.,Radio- larians,Spong.	-
7	Muntenia	PCD	MM (UTo)	salt	"	special	FM,VC,AP,GP.	see Balteş-Pal. Palynol., v.2/67
8	Transilv.	TD	MM (LTo)	tuf(white)	well	"	M(Svalbardella Nemathosphaer.	some new species unpublished
9	Oltenia	PCD	LM (Bd)	clay(black)	"	HF,NA	M,A.	new species of Deflandrea
10	"	"	Uo	"	"	"	VC,GP,AP.	-
11	"	"	LO	marl(grey)	"	"	VC,GP,AP,M.	Deflandrea phosphoritica Eis.
12	"	"	UE	sandstone	"	HC,NA	M,A.	-
13	Moldova	ECF	LE	"	outcrop	"	M,VC,GP.	-
14	"	"	"	limestone	"	special	Calc.nannopl.	-
15	Muntenia	"	Pc	clay(red)	"	HF,NA.	M,GP,VD.	-
16	"	MP	Ma	limestone	well	HC,HF,NA	M,Extratriporo	-
17	Moldova	MdP	LSe	"	"	"	M	-
18	Muntenia	MP	LC	marl(grey)	"	"	M	-
19	"	"	UA	marly-limest."	"	"	M,VC,GP.	-
20	"	"	MA	sand(green)	"	HF,NA.	M-rare,VC,GP.	see Balteş-Micropaleont. 13,3,967
21	Moldova	ECF	UAp	clay(black)	outcrop	"	VC,GP,M,VD.	see Balteş-Pal. Palynol. v5/967
22	Muntenia	MP	UAp	marl(grey)	well	HC,NA(HF)	VC,GP,VD.	-
23	"	"	B	limestone	"	"	M	-
24	"	"	H	"	"	"	M	Dingodinium cerviculum Cook., Eis.
25	"	"	V	"	"	"	M	-
26	"	"	Be	"	"	"	M	-
27	Oltenia	"	Cal	"	"	"	M,VC,VD.	epicontinental facies

Legend: HF-hydrofluoric acid, HC-hydrochloric acid, AA-acetic acid, NA-nitric acid. FM-fungal microspores, VC-vascular cryptogams, GP-gymnospermous pollen, AP-angiospermous pollen, VD-vegetal detritus, M-organic microplankton, A-acritarchs. PCD-pre carpathian depression, PD-Pannonian depression, TD-Transylvanian depression, ECF-East Carpathian Flysch, MP-Moesian platform, MdP-Moldavian platform.

L-lower, M-middle, U-upper, Q-Quaternary, P-Pliocene, Pt-Pontian (local nomenclature), M-Miocene, S-Sarmatian (local nomenclature), To-Tortonian, Bd-Burdigalian, O-Oligocene, E-Eocene, Pc-Paleocene, Ma-Maastrichtian, Se-Senonian, C-Cenomanian, A-Albian, Ap-Aptian, B-Barremian, H-Hauterivian, Be-Berriasian, Cal-Calloviaian.

Legend of the tectonic map: PR-Moldavian platform, PM-Moesian platform, CO-East Carpathians, CM-South Carpathians, ACI-pre carpathian depression (folded sediments), ACE-pre carpathian depression (un-
folded sediments), DT-Transylvanian depression, DP-Pannonian depression.

SCHIȚA TECTONICĂ
A TERITORIULUI
ROMÂNIEI



September 20, 1973

Dr. Nicolae Baltes
Oil Geology Research Institute
103 Toamnei Street
Bucharest 9, Romania

Dear Dr. Baltes:

Thank you so much for yours of 30 August which arrived yesterday. I am glad to know that you were the source of the slides, though I was so certain that that was the case that they had already been so labelled! I note that you promise to send me a list with data on the origin of the samples, and naturally such information would greatly increase the value of the slides.

In regard to the rock samples--what I would like is something on the order of 50 grams or so of a variety of different samples both marine and non-marine, any lithology as long as you know it to be productive. The purpose of this is to use the samples for student work, and I would like as many of them and as much of each one as it is possible for you to get permission to send me. I hope that it will not worry you greatly and, as we say in America "make it easy on yourself".

I have this day sent on a check to pay your current dues in the AASP and will be happy to do so indefinitely if some sort of *quid pro quo* can be arranged.

I do hope we can meet one day. In fact, I would much like to visit Romania one of these years. Best wishes.

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT/vsi

P.S. I must compliment you on your correct, colloquial use of English. You must have been in an English-speaking country at one time?

N. Baltes
Oil Geology Research Inst.,
103, Toamnei st.,
Bucharest 9
ROMANIA

Bucharest, August 30, 1973

Professor Alfred TRAVERSE

Department of Geosciences,
The Pennsylvania State University,
University Park,
Pennsylvania 16802
U. S. A.

Dear Professor Traverse,

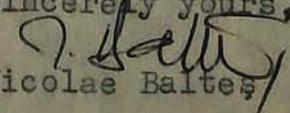
I am the author of the mysterious packet which consists of 27 palyno-slides "arranged" into a funny box. Our mailing system is sometimes at least curious. Anyhow I am glad that the slides arrived safely.

Of course, a complete list with all informations concerning the assemblages, follows.

For the above mentioned slides I have not possibility to obtain the suitable rock samples, but for the future it will be possible. Please, let me know what kind of raw material are you interested to have - what age, what lithology, marine or continental, etc.,? It is a real pleasure for me to be of some useful to you.

Regarding the most delicate problem for me, my dues in the AASP, I express you my whole gratitude for your amiable help in this way. I should prefer, if possible, that you pay for an additional year my membership fee in the AASP. I have not other way to be directly in contact with the North American palynology which is of a great interest for me.

Excusing for the trouble I am causing you, I remain,
Dear Professor Traverse,

Sincerely yours,

Nicolae Baltes

P.S. - Are you interested in the East European
(USSR included) palynological papers ?

August 17, 1973

Dr. Nicolae Baltes
Oil Geology Research Institute
103 Toamnei Street
Bucharest 9, Romania

Dear Dr. Baltes:

I recently received a group of slides of macerations of Romanian material, all of which arrived safely and are extremely welcome additions to our reference collection. There was no indication that such as the case, but I assume that you must be the donor. Right?

It would be very nice if you could provide me in addition with a list of the localities corresponding to the numbers on the slides, along with information as to how the samples were processed and in what they are mounted, etc. Perhaps such a letter is in the works?

Also, it would be most useful to me in my palynological teaching if you could let me have samples of the raw material for as many of these as possible--something like 50 grams or so would be plenty.

As you probably know, I have paid your dues in the AASP for a couple of years anticipating such kindnesses as this and am wondering at this point if you would like me to do so for an additional year, or whether you would prefer some other sort of exchange.

Looking forward to hearing from you and with very best wishes, I am

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT/vsi

Esbeck
Fidelity Onion Skin
100% COTTON

March 23, 1973

Dr. Nicolae Baltes
Oil Geology Research Institute
103 Toamnei Street
Bucharest, 9, Romania

Dear Dr. Baltes:

Thank you so much for the copy of "Progrese in Palynologia Romaneasca", which came recently. I have had much fun looking through the various papers in the book, including your own. Among other things, I conclude that it would be very easy to learn at least a reading knowledge of Romanian. I can almost read it already! It is also most impressive that your country had done so much already in palynological research.

Looking forward to meeting you some day, and with best wishes
I am

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT/vsi

23 December, 1971

E. S. S. S.
Dr. N. Baltes
Str. Academiei 35-37
Bucharest, Romania

My dear Dr. Baltes:
Dear Dr. Baltes:

I just received the three volumes of the translation of Paleopalynology, which I seem to remember you sent me in exchange for my keeping your membership current in the AASP. I have just written the new secretary-treasurer to be sure that your dues are paid for the current year. I am quite willing to continue this sort of thing in the future and would be most happy to accept Romanian palynological publications, and/or slides and residues of interesting parts of the stratigraphic column in Romania for which you could also supply small samples of rock so that our students could profit from working with them.

Best wishes to you for a happy and prosperous 1972.

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT/et

P.S. Could you tell me which address I am supposed to use? I also have an address for you at the Oil Geology Research Institute on Toamnei Street..

July 19, 1971

Dr. Nicolae Baltes
Oil Geology Research Institute
103 Toamnei Street
Bucharest 9, Romania

Dear Dr. Baltes:

Thank you for your interesting letter of 23 June, regarding the AASP and other matters.

I have sent off the money for your dues to the AASP to our secretary-treasurer, Dr. Clarke, and you can rest assured that you are "okay" for another year! I accept with great pleasure your offer of the translation of Paleopalynology, volume 2.

I would also like to accept your offer of representative palynological slides and samples for use in my course--perhaps we could consider this in terms of an additional credit toward your next year's dues? I am interested in pollen and spore assemblages of the Cretaceous and Tertiary. I would be interested for this purpose especially in quality and range of forms rather than in the particular associations. If possible, I would like slides for a range of various ages from what you have available. For several of the most productive samples, pieces of rock which my students could prepare would also be very helpful. Perhaps sometime in the future I would like to request other things on this same sort of basis. But the translation of "Paleopalynology" and the slides and rock would be more than ample for your AASP dues for the time being.

I hope I can accept your kind invitation to visit you in Romania one of these years. It would be educational and great fun.

Best wishes.

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT/vs1

N. Baltes ✓
Oil Geology Search Inst.,
103, Toamnei Street,
Bucharest 9
ROMANIA

Bucharest, June 23, 1971

Prof. Dr. Alfred Traverse

Department of Geology & Geophysics,
Deike Building,
Pennsylvania State University,
University Park, Pennsylvania 16802

U. S. A.

Carl Clark

*How much does
he owe?*

Dear Sir,

Please, excuse the lateness of my answer to your extremely kind letter of February 24, 1971. I tried to find some possibilities for paying my dues to the AASP (1970, 1971), but without encouraging results. In this way, and for the reason that I want very much to remain member of AASP, I call upon your benevolent help, offering you, in exchange - of course if you need - the Russian work: "Palaeopalynology. Vol. 2: Assemblages of spores, pollen and other plant microfossils characteristic of various stratigraphic subdivisions from the Upper Precambrian to Holocene in the USSR", by Andreeva et al., original edited by Pocrovskaya, parts 1, 2, 3. Translated by Kenneth Syers, translation edited by Neves and Downie; published by National Lending Library, Boston Spa, Yorkshire, England, issued 1970, 700 pages.

It will be a real pleasure for me to send you for using in your palynological course, characteristic slides (or rock samples) of Cretaceous and Tertiary deposits of Romania, without any other obligations of your part. Please, let me know in what kind of assemblages you are interested (precise age, flysch or platform type of associations, associations of salt, anhydrite, oil field water, continental microfossils, dinoflagellates, acritarchs, diatoms, calcareous nannoplankton, etc.).

Expecting with much interest your decision, I remain, Dear Sir,

Sincerely yours,
N. Baltes

bcc Dr. Robert Clarke

February 24, 1971

Dr. Nicolae Baltes
Oil Geology Research Institute
103 Toamnei Street
Bucharest 9, Romania

Dear Dr. Baltes:

Thank you very much for yours of 7 February. We were all especially struck by the beautifully written address on the outside of the envelope--"good enough for framing", some of my friends said.

It is interesting to know of your interest in coming to the United States to do some work in palynology. Since your research is mostly on dinoflagellates and acritarchs, I would suppose that you would want to work with some of the people who are especially active in that field. As you probably know, Dr. Evitt at Stanford University in California is our most active academic palynologist in that area, and you might do well to write him, and perhaps also to Dr. David Wall, Woods Hole Oceanographic Institution. I am presuming that you have their and other addresses of American palynologists on your AASP membership list. An oil company palynologist who is very active in this area is Dr. Warren Drugg of the Chevron Company, also in California. Other places with very active work in your area of interest would be the Pan American Petroleum Corporation in Tulsa. The person to write there would be Dr. Charles Upshaw. You could also get in touch with Dr. George Fournier of the Gulf Oil group in Houston, Texas, and Dr. William Elsik at the Humble Company in Houston, as well as Dr. Richard Hedlund of the Atlantic Research Company in Dallas. As I say, I am assuming that you have these peoples' addresses in your AASP membership list. If I am wrong in that assumption, please let me know, and we will send you another copy. I believe that you would make the most progress by writing these individuals on your own, and I would suggest that you start with Dr. Evitt and Dr. Drugg. If there is any further way that I can be of assistance in this direction, please let me know. I don't believe that Penn State would be a natural place for you to come under the circumstances, and I know that we would be unable to assist you financially, which I gather might be necessary to make your trip possible.

Dr. Nicolae Baltas
February 24, 1971
Page 2

Regarding the subject of your "P.S."--I wonder if your difficulty with getting the proper exchange might be solved by you sending me materials of palynological value, in exchange for which I would pay your AASP dues. I am thinking in terms of either hard-to-get Romanian palynological publications or (perhaps even better) palynological maceration residues, from which I could make slides for use in our palynological course. I am sure something could be worked out, if you are interested.

Best wishes to you,

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT/vsi

Nicolae Balteş
Oil Geol. Research Inst.,
103, Toamnei Street,
Bucharest 9
ROMANIA

Bucharest, 7th February, 1971

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

Dear Sir,

By your position and activity you are well informed on the palynological development and the necessities in this field in America and over the world. From this year I should like to work abroad, of course with the permission of my department. In this way I shall be extremely indebted to you if you will give me some ideas in this scope.

I am working on oil palynology, dinoflagellates and acritarchs inclusively, since 1955 when I introduced for the first time in Romania this kind of research for the pre-Quaternary deposits. My main concern is the Cretaceous and Tertiary stratigraphy. Recently I carried out palynological analysis of oil field water.

Since 1968 I am lecturing on Palaeobotany and Palynology at the Geological Department of the University of Bucharest.

Asking you to excuse the trouble I am causing you with this request, and assuring you of my gratefulness, I remain, Dear Sir,

Sincerely yours,

Nicolae Balteş

P.S.-Please, don't be inquiet concerning my AASP membership fee on 1970 and 1971. I am struggling to obtain the money.

N. Baltes
Oil Geology Research Inst.,
103, Toamnei Street,
Bucharest 9
ROMANIA

Bucharest, June 7, 1970

Dr. Alfred Traverse

Secretary-Treasurer of the AASP,
Dept. of Geology and Geophysics,
Pennsylvania State University,
University Park (Pennsylvania 16802)

U. S. A.

D e a r S i r ,

Thank you very much for your kind letter of March 12, and also for the information documents about the AASP convention of October last year, and the Catalog of Fossils Spores and Pollen. I have received, at your indication, from Dr. R. B. Sanders, the Report III, Palynological Data Retrieval. In this way, please be so kind and convey to him my gratitude.

In connection with the Third Annual Meeting of the AASP in Toronto, I informed Prof. Dr. Geoffrey Norris. With your permission I am enclosing a copy of this letter.

Concerning my membership fee for 1970, I shall do my best to pay it in a good time, maybe in the same manner like in 1969.

Expecting further data on the AASP activity, I remain dear Sir,

Sincerely yours,


Nicolae Baltes

N. Baltes
Oil Geology Research Inst.,
103, Teaneni Street,
Bucharest 9
ROMANIA

Bucharest, May 22, 1970

Prof. Dr. Geoffrey Norris
Vice-President of AASP
Dept. of Geology,
University of Toronto,
Toronto 5 (Ontario)
CANADA

Dear Sir,

Lot of thanks for the informations concerning the contributed papers of the "Third Annual Meeting of the AASP". I received also the "Newsletter" (v.3, no.2, April 70) from Dr. Richard W. Hedlund, with the general programme of this important scientific reunion.

I am highly interested to the activity of the AASP and I followed with much interest the work of his members. Unfortunately I have not the financial possibilities to attend this meeting. If it will be possible for you to accept contributed papers from me to published with this occasion, or with any other one (e.g. "AASP Contributions series"), I am able to suggest you following works :

-Relations between the palynological accumulations (dinoflagellates inclusively) and the litho-facies of the Cretaceous and Tertiary deposits explored for oil in Romania.

-Dinoflagellate assemblages as stratigraphic markers in the Cretaceous series of Romania.

'In spite of your many preoccupations, please let me know your decision concerning this proposal. I need your record in this way, for sending in a good time to the Dr. D.C. McGregor, titles and summaries.

Expecting your kind answer and any further informations concerning the AASP activity, I remain, dear Sir,

Sincerely yours,

Nicolae Baltes

Copy: Dr. A. Traverse

February 2, 1970

Dr. N. Baltes
Oil Geology Research Institute
103 Toamnei Street
Bucharest 9, Rumania

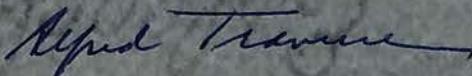
Dear Dr. Baltes:

Many thanks for the very handsome New Year's card, which arrived here a couple of days ago. I have enjoyed its cheerful winter scene very much, and my family (especially the children!) have been interested in seeing this little view of Rumanian New Year's customs.

All of us here at the Palynological Laboratories at Penn State join in sending you best wishes for a peaceful and properous 1970--as much of it as remains!

Looking forward to meeting you one of these years,
I am

Yours very truly,



Alfred Traverse
Associate Professor of Geology
and Biology

AT:kc

July 10, 1972

Dr. Nicolae Baltes
Oil Geology Research Institute
103 Toamnei Street
Bucharest 9, Romania

Dear Dr. Baltes,

Hope that you are having a good year and that your research is going along well.

Is there any chance that you could obtain for me a copy of "Progrese in palinologia romaneasca", per the checked item on the enclosed sheet? It seems to me that it would be a good way for me to inform myself about what's going on in palynology in your country.

I do get from Romania the periodical "Romanian Scientific Abstracts". Unless I just happen to be looking at the wrong place, it never seems to have anything palynological in it. I always look under the item "historical geology", which seems to me to be the logical place.

We are continuing our work with the Catalog of Fossil Spores and Pollen, and I am carrying out research as time permits with Triassic, Devonian, and Recent materials.

Looking forward to hearing from you and with best wishes
I am

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT/mjt

Juarez 14,
San Juan Teotihuacan
Estado de Mexico, Mexico
June 22, 1967

Dr. Alfred Traverse
Deike Building
University Park, Pennsylvania

Dear Dr. Traverse:

I was sorry that the hectic business at the end of the term allowed me no time to chat with you and to tell you how very much I enjoyed your course last term. As I may have mentioned, my husband practically had to drag me to G. Sci. 20, but I liked it after all, and thought it would be fun to go on a little further. However, I really had not understood what an exciting science geology is until I was taking your course. I think it will make a significant effect upon my life, and I was happy to have a professor who has obviously integrated geological theory and his personal beliefs, as you have. I say this not because I have ever had any qualms about evolution, but because it gives me far better insight into the beliefs and understandings of other people.

Since I have graduated, I have been very interested in reading the article in June's Scientific American on geological subsidence, and the one on polarity and the extinction of species in a recent Science. I would be interested in hearing how the data in the latter article is accepted.

My husband is also enthusiastic about the work of Teilhard de Chardin, so I hope that we will be able to pop in to see you the next time we are visiting in State College. Until then, have a fine summer and I hope Texas won't be too beastly hot.

Sincerely yours,

Toni Barbour

Toni Barbour

In case you would be interested in any feed back on the other elements of the course, I did enjoy the text (Stokes) which was easy to read, and, for the most part, interesting. It did bog down in certain parts, and is frightfully expensive, but otherwise good. Needless to say, the grad assistants were just grand!

CATALOG OF FOSSIL SPORES AND POLLEN



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

THE
INTERNATIONAL COMPENDIUM
OF
PALYNOLOGICAL SYSTEMATICS

August 1, 1967

Mrs. Toni Barbour
Juarez 14
San Juan Teotihuacan
Estado de Mexico, Mexico

Dear Toni:

What fun it was to get such a nice letter from you! It was waiting for me when I returned the other day from our 4 weeks of collecting in Texas. We spent several days in Laredo and crossed over to the Mexican side to eat dinner and shop, so for a matter of hours you and I were both in Mexico. Blessed if I can remember why you were going to Mexico, though I have a vague recollection of your having told me. I have 2 firmly entrenched images of you-- one sitting in the front left of my class and the other, you whipping through Beaver Street traffic on your trusty cycle, and I have a hard time transferring you from that milieu to the land of tortillas and siestas. Whatever it is you are doing, I am sure you are doing it enthusiastically and well.

It was good of you to let me hear what you thought about certain aspects of my version of G. Sci. 21, and I hope I can profit from comments such as yours when I next give the course.

Please do come to see me when you visit State College. Among other things, I would like to meet your husband, as I don't recall that I have had the pleasure so far. Keep up the good work. Very best wishes.

Yours very truly,

Alfred Traverse
Associate Professor of Geology

AT:kaw