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About the Institute

The Hunt Institute for Botanical Documentation, a research division of Carnegie Mellon University, specializes in the history of botany and all aspects of plant science and serves the international scientific community through research and documentation. To this end, the Institute acquires and maintains authoritative collections of books, plant images, manuscripts, portraits and data files, and provides publications and other modes of information service. The Institute meets the reference needs of botanists, biologists, historians, conservationists, librarians, bibliographers and the public at large, especially those concerned with any aspect of the North American flora.

Hunt Institute was dedicated in 1961 as the Rachel McMasters Miller Hunt Botanical Library, an international center for bibliographical research and service in the interests of botany and horticulture, as well as a center for the study of all aspects of the history of the plant sciences. By 1971 the Library's activities had so diversified that the name was changed to Hunt Institute for Botanical Documentation. Growth in collections and research projects led to the establishment of four programmatic departments: Archives, Art, Bibliography and the Library.

ca 9/21/74

24 26 27 ~~28~~ 1984

into?

Would you be free the week of April 23rd for 3 lectures at Juniata? The class meets at 10:00 every day with labs Mon - Thurs, afternoons.

Shirley Fonda
238-4758

Could be the week of the 16th if necessary.

boundary problems

Esteech
Fidelity Onion Skin
100% COTTON

June 29, 1973

Mr. Willard J. Hertz
Assistant Secretary
The Ford Foundation
320 E. 43rd Street
New York, New York 10017

Dear Mr. Hertz:

Thank you for your letter to me of 21 June, 1973 regarding my previous inquiry relating to the possibility of funding for the Catalog of Fossil Spores and Pollen. Although I do not necessarily believe it will change the situation, the wording of your letter seems to me to imply an misunderstanding which might conceivably make a difference. In your second paragraph you state that the "Foundation has no program under which funds can be granted directly to individuals for the publication....etc." I probably did not make it clear in my original letter that if I had received any encouragement from the Ford Foundation, it was my intention to have a proposal for funding submitted to the Ford Foundation from the Pennsylvania State University, of which the Catalog of Fossil Spores and Pollen is an integral part. I also should point out that the Catalog is not a "particular title", but an ongoing taxonomic effort in paleontology which has been in existence about 15 years, under the direction of several different editors.

Looking forward to hearing from you as to whether this offers any new hope, I am

Yours very truly,

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

AT/vsi

THE FORD FOUNDATION
320 EAST 43RD STREET
NEW YORK, NEW YORK 10017

OFFICE OF THE SECRETARY

June 21, 1973

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

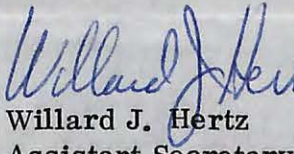
Dear Mr. Traverse:

Mr. Dressner has asked me to acknowledge and thank you for your letter inquiring about the possibility of assistance to continue your Catalog of Fossil Spores and Pollen.

I regret that I cannot encourage you to look to the Foundation for support. The Foundation has no program under which funds are granted directly to individuals for the publication of particular titles.

We appreciate your interest in writing us, and I regret that the Foundation is unable to be of assistance.

Sincerely,


Willard J. Hertz
Assistant Secretary

WJH:pd

December 5, 1967

Mrs. Helen Foreman
131 S. Professor Street
Oberlin, Ohio 44074

Dear Helen:

We received today a copy of Harry Cousminer's summary of the meeting held the evening of 21 November, 1967, in New Orleans. We were interested to receive the copies of the declaration of intent, and we enclose herewith a copy of our similar declaration. It will be noted that we introduced only one change from the format of the other declarations--that we promise to proceed with this plan only if financing is forthcoming. Our present staff and facilities cannot be diverted from present tasks to an extent that would make an appreciable dent in the information-retrieval task that lies before us.

We would also like to have it a matter of record that we disapproved of the fact that Dr. Cousminer's report treats the meeting held on the evening of 21 November, apparently in Dr. Cousminer's hotel room, as the "official" meeting in New Orleans. Dr. Cousminer announced in a letter to us dated 10 October, that the meeting was set up as follows: "The meeting will immediately follow the Wednesday morning (Nov. 22) Geoscience Information Society symposium to be held in the Gold Room Roosevelt Hotel." Because of commitments previously made, we were not able to attend the impromptu evening session. We stayed in New Orleans for Wednesday in order to be present at the session called in Dr. Cousminer's letter. It is somewhat distressing to us to find that we are not listed as official participants in the micropaleontology information systems meeting and that consequently we are not among those who "agreed to be designated a formal committee". We regard it as improper that ostensibly "formal" arrangements were made at a meeting at which we could not be present, held at other than the announced time.

It is painful to bring this matter up, but we feel that doing so has value in dramatizing the importance of conducting all the affairs of this

Mrs. Helen Foreman

- 2 -

December 5, 1967

very important undertaking in a businesslike way if the 100% cooperation that is necessary for its success is to be achieved and preserved.

Yours very truly,

Alfred Traverse
Editor
Catalog of Fossil Spores and Pollen

William Spackman
Editor
Catalog of Fossil Spores and Pollen

AT:WS:kwc

UNITED STATES DEPARTMENT OF AGRICULTURE
FOREST SERVICE
FOREST PRODUCTS LABORATORY
MADISON 5, WISCONSIN

IN REPLY REFER TO:
1600

December 12, 1961

file

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

Dear Dr. Traverse:

The small piece of wood enclosed with your letter of December 8 has been identified as being walnut.

If we can be of further assistance, please feel free to call on us at any time.

Very truly yours,

HAROLD L. MITCHELL, Chief
Division of Timber Growth and
Utilization Relations

B. Francis Kukachka

By: B. FRANCIS KUKACHKA, Acting



UNITED STATES DEPARTMENT OF AGRICULTURE
FOREST SERVICE
FOREST PRODUCTS LABORATORY

ADDRESS REPLY TO
DIRECTOR
AND REFER TO

1600



MADISON 5, WISCONSIN

March 27, 1961

Mr. Alfred Traverse
Shell Development Company
Exploration and Production
Research Division
P. O. Box 481
Houston 1, Texas

Dear Mr. Traverse:

The wood sample enclosed with your letter of March 17 is identified as pecan (Carya sp.).

If we can be of further assistance, please feel free to call on us at any time.

Very truly yours,

HAROLD L. MITCHELL, Chief
Division of Timber Growth and
Utilization Relations

By: B. FRANCIS KUKACHKA, Acting

Stanford University
Department of Geology
Stanford, CA 94305

28 June, 1982
(will return to PSU 12 July)

Mr. Don Fornwalt
Financial Officer, EMS
Walker Building
University Park, PA 16802

Dear Don:

Enroute here I had a couple of sessions at NSF. Very urgent: my Triassic/Jurassic proposal will be funded with a 15 August, 1982, starting date, if we act AT ONCE to push through a modified budget and a short explanatory statement. I have also sent Judith Bailey the required pages, modified as required (1) 8-month budget; 2) 12-month budget; 3) summary budget; 4) new budget estimate pages; 5) new cover page; supplementary statement). I am hoping you will be available to help push this through. According to Dr. Lance at NSF, budget pages need only one signature in addition to mine (Cunningham?) The number of copies of this new and supplementary stuff go forward as for an original proposal. Dr. Lance will reassemble NSF copies when he receives the new pages and you should do the same for copies remaining at PSU.

Best wishes and thanks for all your help and trouble as always.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

encl: xeroxes of subject pages (originals sent to J. Bailey)

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

21 July, 1999

Prof. Clinton B. Foster
Bureau of Mineral Resources
Geology & Geophysics
G. P. O. Box 378
Canberra 2601, Australia

Dear Clinton:

Many thanks for the marvellous flower stamps, and the bonus of bird stamps on the envelope too!


I am sending this to the business address I have for you, despite the appalling news in your letter. I will get less static for tossing my letter in the general outgoing mail that way. There is also the problem that the Packer St. address looks incomplete-no state name. Is that because it's in the capital territory, or whatever the area where Canberra is called? I have recorded the home address (I guess that's what it is?) on your card for future reference. Who knows, when I finally get around to my next trip to Australia I may need to find you there.

Back to stamps. Would you believe, the U. S. Postal Service's philatelic division now carries Australian stamps? (They have had those of Canada, UK and Ireland for some time.) They are advertised in the P. S. quarterly catalog.

The guy who took over my space here (all six rooms, including my processing lab, but I was given a replacement that is working out o. k.) has a grant for multiple years from NASA for 7 million, allowing for the exchange rate more than your budget shortfall that caused such misery.

It was interesting to hear of your visit to your mother. Betty and I remember her well from the Congress in UK.

Thanks again, and all the best.


Alfred Traverse
Professor Emeritus of Palynology

16 Packer St
Wentangra 2814
9.7.99

Prof A. Traverse,

Dear Al,

Please find enclosed,
at last, a set of the
requested stamps. I
found a set in Adelaide,
whilst visiting my mother!

Also has gone through
some turbulence, caused by a
budget short fall of \$7.3 million.

I have retained my
position, but all other palaeo
professionals lost their jobs. I will
be keeping the Lab (+ staff) as a
National Facility.

Best regards,
Clinton

Foster

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

23 March, 1999

Dr. Clinton B. Foster
Australian Geological Survey Organisation
G. P. O. Box 378
Canberra City, A. C. T. 2601
Australia

Dear Clinton:

Many thanks for the stamps, which came today. I was **much** impressed with the neat plastic box (intended for microslides?), but that was actually overkill. Stamps are just paper, after all.

I am very embarrassed that this has been so much trouble for you. I do look forward to getting the 40 cent stamp, in order to complete the set. One problem: do you have any idea about the species names? Even English names would be helpful.

Many thanks for the reprint. I am working on Permian stuff from New Mexico at the moment, so this is very timely.

One of these years I still plan to visit your marvellous country again during our winter. This winter has been a lulu here. It is now supposed to be Spring (as of last Sunday), but we are facing still more snow tonight.

All the best, and thanks again.

Alfred Traverse
Professor Emeritus of Palynology

P. S. 1. You couldn't stop here on the way East?

2. Your card may be wrong, but it shows that I haven't yet sent you the enclosed. No harm if you have to chuck them!

Encl.: reprints

MINUTE

Professor Alfred Traverse
The Pennsylvania State University

Dear Al,

I guess you had thought that I had escaped with the money!
These stamps have been a saga! They are only available in Canberra at the main post office in the Parliament building; not a problem, but a surprise for me, who as a boy and young man had access to such stamps at any local post office. Times obviously change. The 40c was not obtainable, I was in Melbourne last Friday and tried at the General Post Office – again none, I had thought that despite the withdrawal from general sale that some might be left. But no. So I have asked a collector friend on mine to purchase the 40c stamp – they will be sent in on arrival.

I will be at the AAPG in San Antonio, and then on to Houston, to say farewell to my Amoco friends - then London and home. I hope to have the stamps with me in the US to send on.

It was fun trying to get them!

Enclosed is a recent reprint.

With kindest regards,



C.B. Foster
Monday, 8 March 1999

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

13 August, 1997

Professor Clinton B. Foster
Bureau of Mineral Resources
Geology & Geophysics
G. P. O. Box 378
Canberra 2601, Australia

Dear Clinton:

Thanks for the most interesting paper, "Carbon isotopes....exploration," by you and a cast of thousands. Fascinating that our little bits of this and that are hanging in there with SHRIMP and carbon isotopes!

Those photos on the last page look like what our highway department used to put on our driving licenses before they dumped the Polaroid camera for a digital one.

Enclosed a few reprints from me--what is available. I never seem to get around to general mailouts.

Yours very truly,

Alfred Traverse
Professor Emeritus of Palynology

enclosures: reprints

Received: from bmr.gov.au (garnet.bmr.gov.au) by pangaea.ems.psu.edu
(4.1/PSU_ESSC/GEOSC-2.02) id AA00331; Mon, 3 Apr 95 01:46:30 EDT
Received: from BMR-SMTP.agso.gov.au (selenite.bmr.gov.au) by bmr.gov.au (4.1/SMI
id AA20312; Mon, 3 Apr 95 15:46:21 EST
Received: from cc:Mail by BMR-SMTP.agso.gov.au
id AA796949390 Mon, 03 Apr 95 15:49:50 EST
Date: Mon, 03 Apr 95 15:49:50 EST
From: cfoster@bmr.gov.au (Clinton Foster)
Message-Id: <9503037969.AA796949390@BMR-SMTP.agso.gov.au>
To: traverse@ems.psu.edu
Subject: T. torquata (Higgs) McGregor & Playford 1990

Prof A. Traverse
Department of Geosciences
The Pennsylvania State University

Dear Al,
Many thanks for your note on the above.
I too share your horror of the zoological style, but presumably took
pity on the editor by shortening the title. I don't know why, because
papers before and after have been in the botanical style.
The other point is very interesting, and I agree with your remarks.
With best regards,
Clinton
C.B. Foster

Email cfoster@agso.gov.au

THE PENNSYLVANIA STATE UNIVERSITY
DEPARTMENT OF GEOSCIENCES
PALYNOLOGICAL LABORATORIES
435 DEIKE BUILDING
UNIVERSITY PARK, PA 16802

Phone: (814)863-3419; Fax: 814-863-7823; e-mail: TRAVERSE@ems.psu.edu

17 April, 1995

Dr. Clinton B. Foster
Bureau of Mineral Resources
Geology & Geophysics
G.P.O. Box 378
Canberra 2601, Australia

Dear Clinton:

Many thanks for the reprints:

1. Teichertospora etc. A marvellous piece of work. I do have a nomenclatural problem, which I've previously written about.

2. The beautifully (wow!) illustrated striate cappa that separate from Permian pollen and which I've probably been calling Vittatina etc. are scary. Again, a new contribution.

3. Triassic palynomorphs--Antartica. Again, wow!--have you found a cheap way to do color pics? If it's latest Triassic, why no circumpolles? From a casual glance I would have said Carnian.

4. Chlorophyceae algae--really helpful!

All the best.

Yours very truly,

Alfred Traverse

AT/et
encl: reprints

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

17 March, 1995

Dr. Clinton B. Foster
Australian Geological Survey Organisation
GPO Box 378
Canberra, Australia 2601

Dear C. B.:

Just read your paper about the oldest saccate in the Kurmann & Doyle volume. It is a very interesting, beautifully illustrated paper.

However, I have a couple of comments about the systematics for you to consider.

Your statements in the abstract para. 1 seem to be based on the assumption that we still have "type species" of a generic name. We don't. The types for both generic names and both specific names you discuss are specimens. Such types, once designated, can never be changed (except by neotypification, lectotypification, or conservation). Thus, the type for Teichertospora remains the holotype specimen originally established for T. cuvierica by Balme, even though the correct name for that unit may now be T. torquata (Higgs) McGregor & Playford, which taxon has a different holotype specimen.

Thus, this is one of the odd cases that the new ICBN makes possible, where the type (specimen) of a generic name is not the same as the type (specimen) of the specific name now correctly applied to that generic holotype!

Also I wonder why your title doesn't have the name of the species in correct botanical style:torquata (Higgs) McGregor & Playford..., rather than the way you have it, which is the zoological (horrors) style?

Best regards.

Yours very truly,

Alfred Traverse

c:Jansonius

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

24 August, 1994

Dr. C. B. Foster
Australian Geological Survey Organisation
GPO Box 378
Canberra, ACT 2601

Dear Clinton:

Could I have a reprint of "A new structure in pollen assigned to Striatopodocarpites Sedova....." recently published by you and Gomankov. I have seen only an abstract. You all should establish neotypes for the two genera. Could be done from reprocessed samples from the same localities if no slides used by the authors are available, from which lectotypes could be selected.

I never seem to have time for a general mailout, so I enclose a few reprints that I never seem to have sent you before.

All the best. When I retire we are going to take another, much longer trip around Australia, so we'll drop in to see your lab!

Yours very truly,

Alfred Traverse

encl.: reprints

6 September, 1982

Dr. Clinton Foster
Western Mining Corp. Ltd.
168 Greenhill Road
Parkside, South Australia 5063

Dear Clinton:

Am finally getting down ~~on~~ the pile of reprints, etc., from the summer--thanks so much for the interesting paper about your Permian work, and the letter re your change of address.

I also enjoyed your P.S.--you are right that I loved New South Wales, and can't wait to get back to Australia. Adelaide will be our target!

All the best.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et



WESTERN MINING CORPORATION LIMITED
(INCORPORATED IN VICTORIA)

EXPLORATION DIVISION — PETROLEUM

P.O. BOX 409 UNLEY 5061 • 168 GREENHILL ROAD, PARKSIDE 5063
SOUTH AUSTRALIA • TELEPHONE 274 8200 • TELEX "WESTMINE" AA 88794

CBF:hmb

June 15, 1982

Professor A. Traverse,
Department of Geosciences,
529 Deike Building,
Pennsylvania State University,
University Park,
PENNSYLVANIA 16802
UNITED STATES OF AMERICA

*Please change card
then file*

Dear Al,

I am writing to notify you of my change of address following my resignation from the Geological Survey of Queensland, Mineral House, Brisbane, 4000 Australia. My new address is:

Dr. C.B. Foster,
Western Mining Corporation Ltd.,
168 Greenhill Road,
PARKSIDE. SOUTH AUSTRALIA. 5063

Following studies into aspects of the Queensland Tertiary (Foster 1979; Foster & Harris 1981; Foster 1982, July), my research will be of Permian-Triassic and Early Palaeozoic palynology of Western Australia.

I look forward to continuing exchanges.

With best wishes.

Yours sincerely,

Clinton Foster.

Clinton Foster

P.S. Reprints of Rev. Palaeobot. Palynol. 36 not yet available.

I know you liked Sydney; however returning to my home state after 9 1/2 years I can say you would enjoy Adelaide, it is very similar to Cambridge with a small river Torrens flowing through the City.



Geological Survey of Queensland

Mineral House

#1 George Street,

Brisbane, 4000 6th May, 19 80

Telephone: 224 4499
Telex: 43040
G.P.O. Box 194,
Brisbane, 4001
DF

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

Dear Professor Traverse,

Thank you for your letter of April 9th and your kind agreement to review Publication 372.^{*} I will be attending the Cambridge Conference and look forward to meeting you.

With best wishes,

Yours sincerely,

C. B. Foster

C.B. Foster

** for which I am v. grateful.*

In answer to your question: No, we haven't been in contact before 6/57

9 April, 1980

Dr. C. B. Foster
Geological Survey of Queensland
Mineral House
41 George St.
Brisbane 4000, Queensland, Australia

Dear Dr. Foster:

Your interesting letter of 25 March arrived the same day as the package with your monograph! It's a very nice piece of work from what I have seen in a very quick glance. I'll be glad to review it--if too late for the next ICP Newsletter, I'll get it into the AASP Newsletter.

We have not been in touch before, I guess. Perhaps we'll meet at the 5IPC in Cambridge, England, next summer? If not, maybe at the Sydney Botanical Congress in 1981? I am sending a few reprints*-all that I have at the moment.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

*under separate cover



Geological Survey of Queensland

Mineral House

#1 George Street.

Telephone: 224 4499
Telex: 43040
G.P.O. Box 194,
Brisbane, 4001

Brisbane, 4000 25th March, 1980

LK

Professor A. Traverse,
Department of Geosciences,
529 Deike Building,
Pennsylvania State University,
University Park,
PENNSYLVANIA. 16802
USA

Dear Professor Traverse,

Please find enclosed a copy of Geological Survey of Queensland Publication 372, dealing with Permian plant microfossils of the Blair Athol Coal Measures, Baralaba Coal Measures, and basal Rewan Formation of Queensland. The Blair Athol assemblage is of late Sakmarian to Baigendzinian age; assemblages from the last two formations range in age from Chhidruan to ?early Griesbachian.*

This is the first publication on exclusively Permian (systematic) palynology from eastern Australia, since Balme & Hennelly's (1955; 1956a, b) now classic studies. Selected taxa from Balme & Hennelly's type localities have been restudied and figured in this work. TEM and SEM techniques have been used in conjunction with conventional light microscopy to elucidate miospore structure and protosaccate pollen have been demonstrated in Gondwanan Permian spore-pollen floras.

Although I have adopted a perhaps debatable placement of the Permian/Triassic boundary (namely at the top of the Griesbachian), the major palynological change which heralds the Mesozoic flora occurs well in the Permian. Meyen, working with plant megafossils, has arrived at the same conclusion.

I would be most grateful if this volume could be reviewed in the ICP newsletter.

Apart from author's copies, volumes are available from the Geological Survey at \$A25 each.

Yours sincerely,

C.B. Foster

* To save postage costs, which rise continually in Australia, I have sent the volume airmail, under separate cover. Best wishes CBF.

10 October, 1966

Four Continent Book Corp.
156 Fifth Ave.
New York 10010, N. Y.

Dear Sirs:

At the recent International Conference on Palynology at Utrecht, Netherlands, there was a large exhibit of Soviet books on palynology (fossil spores and pollen), with a sign that said that the books could be ordered from Mezhdunarodnaya Kniga in Moscow. I made a list of the books I wanted and wrote to the outfit in Moscow for them. Presently I got a letter from them stating that they do not sell to individuals in USA but only to booksellers and that I should order the books from you all. I am quite willing to do so, but there is a problem. The list of books that I sent them was the only list I had.

Do you have a list of Soviet publications in palynology (I believe there is such a catalog) from which I could pick out the titles that I had wanted? Or do you think that the outfit I just mentioned in Moscow could be persuaded to return my original order?

Yours very truly,

Alfred Traverse
Alfred Traverse
Associate Professor of Geology

August 31, 1967

Four Corner Book Corporation
156 Fifth Avenue
New York, New York 10010

Dear Sirs:

In going through my recent numbers of "New Books, USSR", to which I subscribed through you, I find the following items which I would like to obtain:

1. Paleobotanika Uzbekistana, in 5 volumes. Vol. 1.
This is item 94 in "New Books" #10 for 1967.
2. Iskopaemie spori i piltsa rastenii i ich znachenie
dla stratigraficheskogo raschleneniya
This is item 28 in "New Books" #14 for 1967.

I am so new at the business of ordering books from you that I don't know how to do it--I hope this letter suffices.

Yours very truly,

Alfred Traverse
Associate Professor of Geology

AT:kaw

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

22 October, 1990

Ethel Fournier
10003 Valley Forge
Houston, TX 77042

Dear Linda:

Was everything o.k. re report on the boxes?

Did you finally get the reimbursement on the UPS costs?

My Mother died last week, and we just returned from her funeral in Michigan. Her death was certainly not a tragedy, since she was extremely old (97) and had been in poor shape for about 3 years. Nevertheless, it was still a wrench to lose her.

Hope all is well with you.

Yours very truly,

Alfred Traverse

AT/et

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

4 September, 1990

Ethel Fournier
10003 Valley Forge
Houston, TX 77042

Dear Linda:

Finally there has been a small respite around here, and I've got all 15 boxes from you opened, carefully examined and taken care of. Many of the items (e.g., microscopes) will be of direct use to us in the Palynological Laboratories. The projectors and related items were accepted eagerly by the audiovisual dept.

Here is my estimate of the commercial value of the packages--what one would have to pay on the used equipment market. N.B. I have kept detailed notes on contents of boxes, and these could be produced if necessary.

Box	1	\$500	(microscope, etc.)
"	2	500	"
"	3	750	"
"	4	350	"
"	5	50	(steel stand, etc.)
"	6	50	(microscope illuminators, etc.)
"	7	650	(transformers, etc.)
"	8	150	(lab timer, etc.)
"	9	no commercial value	(negatives, old slides, etc.)
"	10	350	(photomicrographic & enlarging equip.)
"	11	100	(8 mm. movie projector, etc.)
"	12	50	(Baia 8 mm. film editor)
"	13	50	(Minette 8 mm. film editor)
"	14	10	(flash unit)
"	15	<u>200</u>	(movie camera, floodlights, projector)
		\$3760	total value

Hope this is satisfactory. The equipment surely is helpful. (I had to interrupt writing this to check out one of the scopes and a light to a student.)

All the best.

Yours very truly,

Alfred Traverse

AT/et

N.B. Comment on superb packing job

Gifts from Ethel N. Fournier
1990

(from estate of the late
J. George Fournier)

Box #1

Super job of packing!

Contents: Wooden case with Leitz antique
monocular petrographic microscope with
many accessories, including a mechanical
stage, 3 oculars, 4 objectives, a stage
micrometer.

Estimated value \$500.00

Box #2

packing as in box #1. Contents:
Leitz monocular research microscope,
medical style with mechanical
stage but no illuminator. Full set of
objectives & oculars.

Estimated value \$500.00

Box #3

Zeiss binoc. medical-type microscope
w. base illuminator & many lenses.

Estimated value \$750.00

Box #4

AO (Spencer) binocular stereoscopic
dissecting microscope

Estimated value \$350.00

Box #5

Part of
Enlarger type stand - steel

Est. value \$50.00

Box 6 see list, misc contents
est. val. \$50

Box 7 est. val. \$650
(see list following)

Box 8 est. value \$150
(see list following)

Box 9 est. value no value
(see list following)

Box 10 est. value \$350
(see list following)

Box 11 8 mm. movie
Projector film reel est. \$100

Box 12 Baird movie reels est. \$50

Box 13 Minute Vener. Edition 50
reels.

Box 14 see list following
est. value \$10

Box 15 see list following
est. value \$100.

Box #1

To: Dr. Alfred Inverse
The Pennsylvania State University
Department of Geosciences
Palynological Laboratories
435 Deike Building
University Park, Pa. 16802
(814) 863-3419

From: Ethel Lounner
10003 Valley Forge
Houston Tx. 77042
(713)-782-9705

Contents:

Leitz Netzel Microscope with
attachments, 8 lens, 2 stages etc.

~~2 Microscope lamps~~
~~2 30w. transformers~~

Dr. Alfred Travers

Box 3

To. The Pennsylvania University
Department of Geosciences
Palynological Laboratories
435 Deike Building
University Park, Pa. 16802
(814) 863-3419

From Ethel Fournier
10003 Valley Forge
Houston, Tx. 77042
(713) 782-9705

Content - Carl Zeiss - Binocular
Microscope with attachment
and 20 lens,

To. Dr. Alfred Traverse
The Pennsylvania University
Department of Geosciences
Palynological Laboratories
435 Deike Building
University Park, Pa. 16802
(814) 863-3419

From Ethel Fournier
10003 Valley Forge
Houston, Tx. 77042
(713) 782-9705

Content. Spencer Binocular Microscope
+ Attachments + 20 lens.

Box 6

To: Dr. Alfred Traverser Penn State
Dept. of Geosciences
Palynological Laboratories
435 Deike Building
University Park, Pa. 16802
(814) 863-19

From: Ethel Lounier
10003 Valley Forge
Houston, Tx. 77042
(713) 782-9705

Contents

- ✓ 1 Base to enlarger
- ✓ 1 Base to enlarger
- 2 Developer trays (not in box)
- ✓ 1 Tray with Canvas roller
- ✓ 1 Yellow filter 10x12 inches
- ✓ 1 White plastic washer and lid
- ✓ 2 Mikrark illuminators and stands
- ✓ 1 Battery powered flash lamp

Dr. Alfred Travers
Penn State
Dept of Geosciences
Palynological Laboratories
#35 Deike Building
University Park, Pa. 16802
(814) 863-3419

Box # 7

Ethel Turner
10003 Valley Forge
Houston, Tx. 77042
(913) 782-9705

using

- | | |
|---|------------|
| 1 Enlarger Case | 0 |
| 1 Carl Zeiss Polaroid camera attachment | \$100 |
| 3 Microscope lamp | X X X \$60 |
| 3 30W. Transformers | XXX \$60 |
| 1 Utility Safelight Lamp | \$20 |
| 2 Carl Zeiss Transformer | XX \$100 |
| 1 Grey wood box containing 2 lens and slide holders. | \$150 |
| 1 Tan wood box containing 6 lens, Canon auto-up and 3 binocular lens. | \$150 |
| 1 Illuminator for enlarger | \$20 |
| 1 Carl Zeiss 50W. Transformer | \$50 |
| 1 wood box with drawers | |

Box # 8

To. Dr Alfred Fraser
Penn State - Dept. of Geosciences
Palynological Laboratories
435 Dieke Building
University Park, Pa. 16802
(814) 863-3419

From Ethel Lournier
10003 Valley Forge
Houston, Tx. 77042
(713) 782-9705

#8 Container

- ✓ 4 Cork pads
- ✓ 1 wood box
- ✓ 1 Print washer
- ✓ 1 Stereoscope
- ✓ 1 Box mount titles
- ✓ 1 Foot switch
- ✓ 1 Hanging light
- ✓ 1 Defender safelight
- ✓ 2 specimen boards
- ✓ Slides + cover slips
- ✓ 1 Kodachrome Adapter
- ✓ 3 Tripods
- ✓ Filters, slides and small parts for enlarger
- ✓ 1 Kodaslide changer
- ✓ 1 Laboratory burner
- ✓ 2 slide holders - X
- ✓ 3 5x7" film holders.

To
 Dr. Alfred Traverse
 Penn State Dept of Geosciences
 Palynological Laboratories
 #35 Dieck Building
 University Park, Pa 16802
 (814) 863-3419

From Ethel Lounser
 10003 Valley Forge
 Houston Tx. 77042
 (713) 782-9705

Contents

Pkg # 9

- Pollen + spore slides
- Stereo negatives
- Maps and charts

To
Dr Alfred Traverser
Penn State - Dept. of Geosciences
Palynological Laboratories
435 Dieke Building
University Park, Pa 16802
(814) 863-3419

From Ethel Fournier
10003 Valley Forge
Houston, Tx. 77042
(713) 782-9705

Pkg # 10 Contents - Enlarger parts & accessories

Kodak anastigmat Ektar lens in supermatic shutter.	Condenser A #3
Brass shim	Glassless negative carrier A - Bantam
Extension unit for accessory back.	Condenser A #2
Pinhole diaphragms	Glassless negative carrier A. - 2 1/4" x 2 1/4"
Accessory back	2 Glassless negative carrier 2 1/4" x 3 1/4"
3 inch projection Ektar lens	Condenser A #4.
Lens board A	
Projection ektar lens - 4 inch	
2 Microscope attachments	
Extension unit for accessory back	
2 inch Kodak projection lens	
Extension unit for accessory back	
Camera back adaptor A	
✓ Lens board A	
✓ Ground glass focusing back	

Box 11

To: Dr. Alfred Traverse
Penn State - Dept of Geosciences
Palynological Laboratories
435 Deike Building
University Park, Pa. 16802
(814) 863-3419

From: Ethel Fournier
10003 Valley Forge
Houston, Texas 77042
(713) 782-9705

Pkg # 11 Contents

1 Bell & Howell Movie Projector - 350 Autoload

(12)

To: Dr. Alfred Traverse
Penn State Dept. of Geosciences
Palynological Laboratories
435 Deike Building
University Park, Pa 16802
(814) 863-3419

From: Ethel Saurner
10003 Valley Forge
Houston, Tx 77042
(713) 782-9705

Phg # 12 Content
Baia Dual Editor & Reviewer

13

To Dr Alfred Traverse
Penn State Dept. of Geosciences
Palynological Laboratories
435 Deike Building
University Park, Pa 16802
(814) 863-3419

From Ethel Fournier
10003 Valley Forge
Houston Tx 77042

Pkg # 13

Minette Viewen Editor

To Dr. Alfred Traverse
Penn State Dept. of Geoscience
Petrological Laboratories
435 Deike Building
University Park, Pa 16802
(814) 863-3419

From Ethel Turner
10003 Valley Forge
Houston, Tx 77042
(713) 782-9705

Pkg # 14 Contents

Film frames
Special light bulbs
Canon Flash unit

15

To Dr. Alfred Traverse
Penn State Dept of Geosciences
Palynological Laboratories
435 Deike Building
University Park, Pa 16802
(814) 863-3419

From Ethel Saurier
10003 Valley Forge
Houston, Tx 77042
(713) 782-9705

Phy 15 Context

2 sets of 4 Floodlights
Canon 8 mm Movie Camera
Elmo movie projector - 8 mm

GEORGE R. FOURNIER
10003 VALLEY FORGE
HOUSTON, TEXAS 77042

Feb. 4, 1990

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

Dear Alfred,

It was great talking to you and Betty last week - I wondered if you were marooned in the snowstorm.

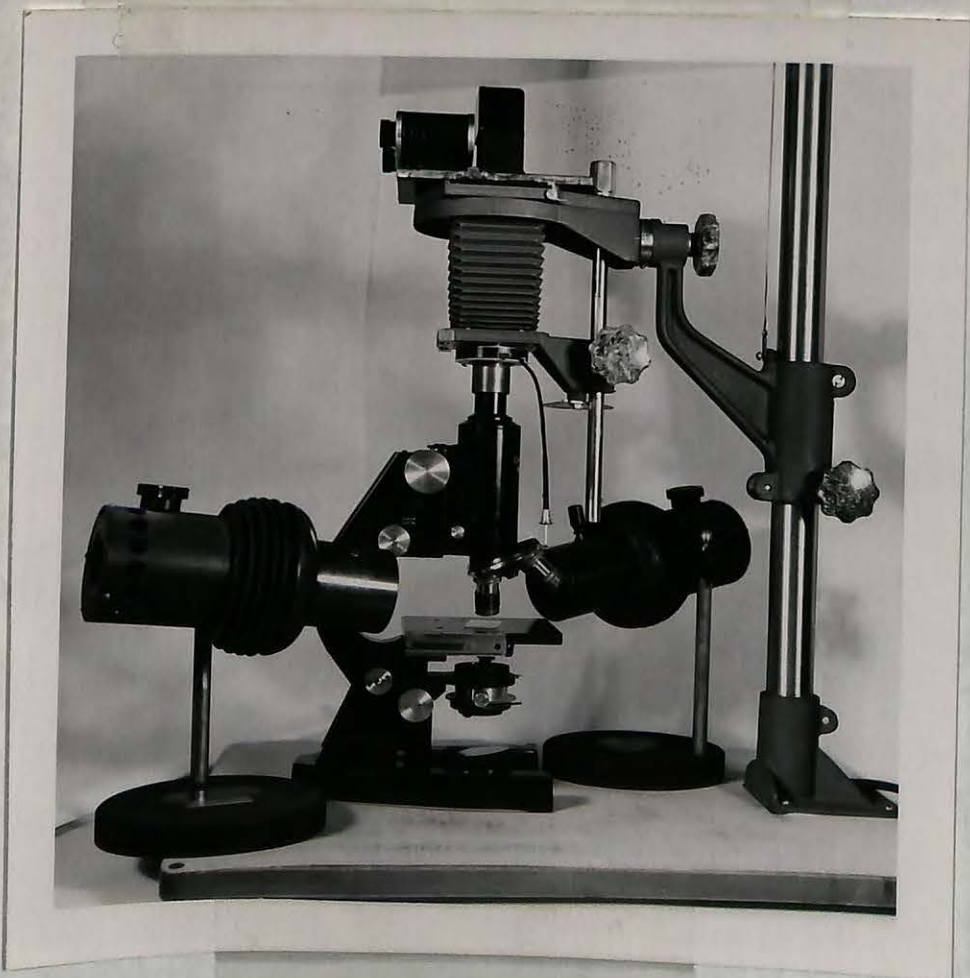
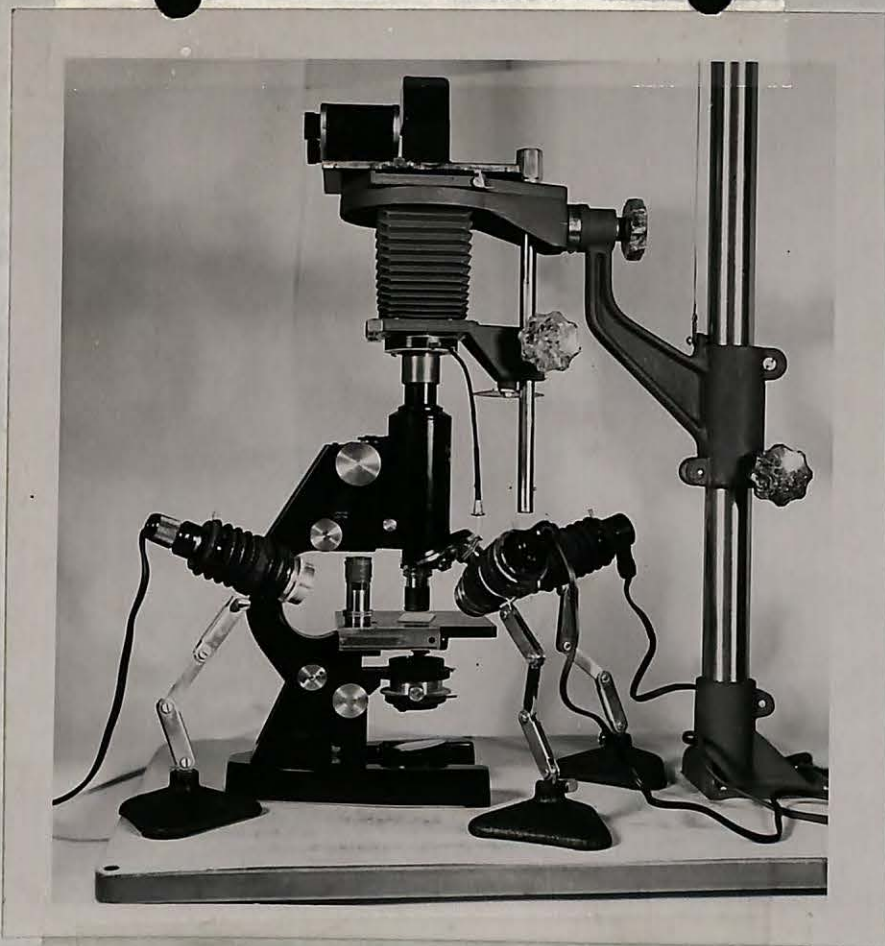
Enclosed please find the U.P.S. charges, the cost of the packing materials, the extra pictures of George's enlargement set-up and a copy of the contents of the boxes.

I really do appreciate your taking all this stuff off my hands. I hated to just throw it away and I hope it can be of some use to you.

Sincerely,

Linda

Packing 53.41
12.92
U.P.S. 142.20
208.53



Ms. Sammy Reed
took order. \$142.50
Chg.

U.S.P. Shipment

1/13/90

To. Dr. Alfred Traverse
Penn State - Dept. of Geosciences
Palynological Laboratories
435 Dike Building
University Park, Pa. 16802

From. Ethel Lournier
10003 Valley Forge
Houston, Tx. 77042

<u>15 boxes</u>	<u>Girth + Length</u>	<u>Weight</u>
# 1	50 + 22 = 72"	22 lbs
# 2	50 + 22 = 72"	22 lbs
# 3	50 + 22 = 72"	38 lbs
# 4	50 + 22 = 72"	24 lbs.
# 5	36 + 42 = 78"	13 lbs
# 6	82 + 24 = 106"	69 lbs
# 7	82 + 24 = 106"	62 lbs
# 8	82 + 24 = 106"	59 lbs.
# 9	58 + 14 1/2 = 72 1/2"	18 lbs.
# 10	66 + 14 1/2 = 80 1/2"	31 lbs
# 11	52 1/2 + 12 = 64 1/2"	15 lbs.
# 12	36 + 10 1/2 = 46 1/2"	4 lbs
# 13	34 + 8 1/2 = 42 1/2"	5 lbs.
# 14	42 + 9 = 51"	5 lbs.
# 15	78 + 17 = 95"	42 lbs.

Hunt Institute (Content of each box on attached pages)

U.P.S. Shipment

Contents of Boxes

- Box # 1. Carl Zeiss Microscope
Attachments, 8 lenses, 2 stages etc.
- Box # 2. E. Leitz - Wetzlar Microscope
Attachments, 12 lenses.
- Box # 3 Carl Zeiss Binocular Microscope.
Attachments, 20 lenses.
- Box # 4 Spencer - Binocular Microscope
Attachments and lenses.
- Box # 5 2 Enlarger support posts,
2 enlarger parts (frame).
- Box # 6. 2 Enlarger bases
2 Developer trays
1 Tray with canvas cover.
1 Yellow filter 10 x 12"
White plastic washer and lid
2 Mikrark Illuminators and stands
1 Battery-powered flash.

Continued next page

U.P.S. Shipment

Contents of Boxes (Cont.)

- Box # 7 Enlarger case
Carl Zeiss camera attachment (Polaroid)
for enlarger.
3 Microscope lamps
3 30W. Transformers
1 Utility safelight lamp
1 Gray wood box with two lenses
and slide holders.
1 Tan wood box containing 6 lenses,
Canon auto-up and three binocular lenses.
1 Illuminator for enlarger
3 Carl Zeiss transformers
1 Stood box with drawer.

- Box # 8 4 Cork pads for enlarger
1 wood box
1 Print washer
1 Stereoscope
1 Box of movie titles
1 Foot switch
1 Hanging light
1 Defender safelight
2 Specimen boards
Slides and cover slips
1 Kodachrome adapter
3 Tripods.
Filters, slides, small parts for enlarger
- 1 Kodaslide changer
1 Laboratory timer
2 Slide holders
- Hunt Institute for Botanical Documentation
(Continued)

U. P. S. Shipment

Contents of Boxes (cont)

- Box # 9 Pollen and spore slides
Stereos negatives
Maps and charts
- Box # 10 Enlarger parts and accessories
Kodak anastigmat Ektar lens in
supermatic shutter
Brass shim
Extension unit for accessory back
Pinhole diaphragms
Accessory back
Projection Ektar lens - 3 inch
2 Lens board A
Projection Ektar lens - 4 inch
2 Microscope attachments
Extension unit for accessory back
Kodak projection lens - 2 inch
Extensor unit for accessory back
Camera back adapter A
Ground glass focusing back
Condenser A # 3
Glassless negative carrier A - Bantam
Condenser A # 2
Glassless Negative carrier A $2\frac{1}{4}'' \times 2\frac{1}{4}''$
2 Glassless Negative Carrier $2\frac{1}{4}'' \times 3\frac{1}{4}''$
Condenser A # 4.

(Continued)

U.S.P. Shipment

Contents of Boxes (Con't)

- Box # 11. Bell & Howell movie projector - 350 Autoload
- Box # 12. Gaia dual 8 mm Editor/Viewer.
- Box # 13. Minette Viewer/Editor, 8 m.m.
- Box # 14. Film frames
Special light bulbs.
Canon flash unit
- Box # 15. 2 sets of floodlights (4 bulbs each)
Canon 8 mm movie camera
Elmo movie projector 8 mm

10003 Valley Forge
Houston, TX 77042
Jan 13, 1990

Dear Alfred,

The photo equipment should be picked up today and arrive at the university on Tuesday 1/19/90. I have enclosed pictures of the set-up George used the equipment for. There are more copies which I will send later with the cost of the shipment.

I have also enclosed a list of the contents of the 15 boxes.

I really appreciate this and I do hope you can use most of the equipment. It seemed a shame to just discard these things even though it is probably obsolete,

Thanks again,

Ethel - (or Linda)

Ms. Sammy Reed
took order. \$142.50
chg.

U.S.P. Shipment

1/13/90

To. Dr. Alfred Traverser
Penn State - Dept. of Geosciences
Palynological Laboratories
435 Dike Building
University Park, Pa. 16802

From. Ethel Lournier
10003 Valley Forge
Houston, Tx. 77042

<u>15 boxes</u>	<u>Girth + Length</u>	<u>Weight</u>
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Hunt Institute (Content of each box on attached pages)

U.P.S. Shipment

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Attachments, 12 lenses.
- Box # 3 Carl Zeiss Binocular Microscope.
Attachments, 20 lenses.
- Box # 4 Spencer - Binocular Microscope
Attachments and lenses.
- Box # 5 2 Enlarger support posts,
2 enlarger parts (frame).
- Box # 6. 2 Enlarger bases
2 Developer trays
1 Tray with canvas cover.
1 Yellow filter 10 x 12"
White plastic washer and lid
2 Mikrark Illuminators and stands
1 Battery-powered flash.

Continued next page

U.S. Shipment

Contents of Boxes (Cont)

Box # 7

- Enlarger case
- Carl Zeiss camera attachment (Polaroid)
for enlarger.
- 3 Microscope lamps
- 3 30W. Transformers
- 1 Utility safelight lamp
- 1 Gray wood box with two lenses
and slide holders.
- 1 Tan wood box containing 6 lenses,
Canon auto-up and three binocular lenses.
- 1 Illuminator for enlarger
- 3 Carl Zeiss transformers
- 1 Stood box with drawer.

Box # 8

- 4 Cork pads for enlarger
 - 1 wood box
 - 1 Print washer
 - 1 Stereoscope
 - 1 Box of movie titles
 - 1 Foot switch
 - 1 Hanging light
 - 1 Defender safelight
 - 2 Specimen boards
 - Slides and cover slips
 - 1 Kodachrome adapter
 - 3 Tripods.
 - Filters, slides, small parts for enlarger
- 1 Kodaslide changer
 - 1 Laboratory timer
 - 2 Slide holders

Contents of Boxes (cont.)

- Box # 9 Pollen and spore slides
Stereos negatives
Maps and charts
- Box # 10 Enlarger parts and accessories
Kodak anastigmat Ektar lens in
supermatic shutter
Brass shim
Extension unit for accessory back
Pinhole diaphragms
Accessory back
Projection Ektar lens - 3 inch
2 Lens board A
Projection Ektar lens - 4 inch
2 Microscope attachments
Extension unit for accessory back
Kodak projection lens - 2 inch
Extensor unit for accessory back
Camera back adapter A
Ground glass focusing back
Condenser A # 3
Glassless negative carrier A - Bantam
Condenser A # 2
Glassless Negative carrier A $2\frac{1}{4}'' \times 2\frac{1}{4}''$
2 Glassless Negative Carrier $2\frac{1}{4}'' \times 3\frac{1}{4}''$
Condenser A # 4.

U.S.P. Shipment

Contents of Boxes (Con't)

- Box # 11. Bell & Howell movie projector - 350 Autoload
- Box # 12. Baira dual 8 mm Editor/Viewer.
- Box # 13. Minette Viewer/Editor, 8 m. m.
- Box # 14. Film frames
Special light bulbs.
Canon flash unit
- Box # 15. 2 sets of floodlights (4 bulbs each)
Canon 8 mm movie camera
Elmo movie projector 8 mm

THE PENNSYLVANIA STATE UNIVERSITY
DEPARTMENT OF GEOSCIENCES
INTEROFFICE CORRESPONDENCE

DATE: May 25, 1990

FROM: Alfred Traverse, Professor of Palynology ^A

TO: Whom It May Concern

F56

Earlier this year Mrs. George Fournier (= Ethel Nightingale Fournier) called me about microscopic equipment, lenses, and the like from her late husband's laboratory -- would we like them? I said, "Yes, why not -- at least some items will be useful." She requested only the shipping costs. The equipment is a gift to the Palynological Laboratories.

COPY

THE PENNSYLVANIA STATE UNIVERSITY

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

9 February, 1990

Ethel Fournier
10003 Valley Forge
Houston, TX 77042

Dear Linda:

Yours of 4 February just in. Thanks for the set-up photos, which should be useful.

The UPS slips and the packing box slips have been delivered to the appropriate office here and you should get a check for it all in due course. (Please let me know if, by mid-March, the check hasn't come!)

Since my teaching load is so heavy this semester, it may well be May before I get around to the box-opening! Then I'll do an evaluation. But that's in plenty of time for 1990 taxes.

Best wishes, as ever.

Yours very truly,

Alfred Traverse

AT/et (hi, Linda!)

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

22 January, 1990

Ethel Fournier
10003 Valley Forge
Houston, TX 77042

Dear Linda:

Thanks for yours of 13 Jan., which will be invaluable in checking the boxes and preparing the estimate of value. The boxes (11) have also arrived. Regarding the "obsolete" nature of the equipment--it probably in a sense is! However, microscope gear is like a Ford 9-N tractor--mine is 53 years old but still marvellous, and does everything I need it to do as well as a brand new John Deere would. A scope with good lenses can be used indefinitely, even if the appearance is "old-fashioned."

I look forward to getting the receipts for the shipment costs, so you can be reimbursed. Also, the additional photos of George's setups, etc., will be most welcome.

Hope all goes well with you.

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

18 September, 1989

Ethel Fournier
10003 Valley Forge
Houston, TX 77042

Dear Linda:

Here are some items that somehow got in with the reprints and books but which you clearly should have! It was fun to see a George-much-younger-than-I-knew.

All the best.

Yours very truly,

Alfred Traverse

AT/et
encl

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

5 September, 1989

Ethel Fournier
10003 Valley Forge
Houston, TX 77042

Dear Linda:

Just in case something was needed in writing (I can't recall from our phone conversation): yes, we are very interested in the photographic equipment dear George left behind.

Hope all is well by you. We are very busy with the onset of the Fall Semester.

Yours very truly,

Alfred Traverse

AT/et

30 October, 1985

Mrs. George R. Fournier
10003 Valley Forge
Houston, TX 77042

Dear Linda:

Perhaps you've been wondering why there has been (I think) no effusive letter or plaque from the President of Penn State or the Dean of this College about the nice gift of much of George's library, etc.

The reason is that I've decided I don't want to get a whole lot of waves going here, with people from the central library descending to catalog everything, etc. So I'm just lying low.

If you need such a letter, however, I can have one generated. If it's not needed, I think it would be more politic to let the people downstairs forget about it!

Hope you're o.k. I didn't have a chance to phone you during my 24 hours in Houston two weeks ago. The flights in and out scared me so badly that I forgot everything like that anyway!

All the best.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

7 October, 1985

Mrs. George R. Fournier
10003 Valley Forge
Houston, TX 77042

Dear Linda:

The shipment arrived in 100% good order--except I can't find the mailing tube (still looking). I have turned the slips over to the Dean's Office for payment--you should get a check from them for \$295.06 in due course.

You should carefully note the value of the items you gave the University of Houston--for example, the Catalog of Fossil Spores and Pollen--for tax purposes.

The valuation I gave you last summer for what you have sent us is very conservative.

Needless to say, we are very glad to have these things. I wonder when I'll find time to get the stuff sorted and so forth? Probably next summer.

Best wishes to you. Hope I get to see your longhorns some day!

As ever,

Alfred Traverse
Professor of Palynology

AT/et

Sept 26, 1985

Dear Alfred:

All the packages finally left yesterday via UPS. I'm sorry I took so long in getting them packed. I have enclosed the invoice - original - but I have made a copy in case we need it.

St. Thomas has no Geology Dept and no use for the remainder. However, I spoke to a Dr. Rosalie Maddocks, chairman of the Micropalontology Dept at University of Houston. She was delighted with the offer. I have decided I will send them everything - that was left including the catalogue - I just don't feel like battering to sell it. (As you ^(Texan) can see by the previous sentence, I am talking Texan now.) Dr. Maddock remembered some of George's publications and knew him in the past.

Thanks again for all your help.

Love,

Linda Fournier

To Dr. Alfred Traverse
435 Dieck
University Park, Pa.
16802

Sept. 25, 1985

Sent to Pennsylvania State University

A. Venezuelan pollen cards, 1500 cards @ \$1.33	\$ 2000.00
B. 880 pollen-residues and single grain mounts @ \$2.50	2200.00
C. 1000 assorted photomicrographs accompanying B @ \$1.00	1000.00
D. 22 Boxes of assorted palynological publications, texts, reprints @ \$125.00	2750.00
	<hr/>
	\$ 7950.00

In the shipment, there are 22 boxes and one tube containing the charts.

Ethel Lounner

UPS: \$
charges 295.06

16 September, 1985

^u
Ethel Fornier
10003 Valley Forge
Houston, TX 77042

Dear Linda:

The Dean's office is after me to get them the bill for the shipping. I only think of it when I'm at the office--and, of course, you aren't home to answer your phone at that time.

If you are willing, the way to handle this is to save all the UPS bills and send them to me in one batch so that I can get a check from the Dean's office for you.

We are very preoccupied here with a dozen different things--as usual.

Best wishes to you.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

2 September, 1985

Ethel N. Fournier
10003 Valley Forge
Houston, TX 77042

Dear Linda:

The dean has approved payment of shipping costs. I guess the correct procedure would be for you to send me the assembled bills, and I'll see that you get a check.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

her letter postmarked

5-Aug.

prob arrived

ca. 9. Aug.

16 August, 1985

Mrs. George R. Fournier
10003 Valley Forge
Houston, TX 77042

Dear Linda:

Thanks for yours of 3 August, which I just now opened (we've been out of town and just returned). I had a good time with you too, as I've already mentioned. I'm sorry about the impending deadline, however. Have been trying to phone you today, but have failed. Hope this is o.k.

The address for here is just my name, 435 Deike, University Park, PA 16802. No more is necessary. I am trying to come up with \$ for UPS costs from the Dean's Office, and may be successful.

Now, a detailed list for the items I examined in HBoston (see also the original sheets appended):

I. Venezuelan foraminifera photos: ±1600 cards w. photos. To a specialist this is worth about \$2000. At PSU we don't work with such materials--but one of the universities in Houston might like it.

II. Books, journals, miscellaneous publications not going to PSU ("non-PSU"):

A. Jansonius/Hills card catalog, complete	\$ 200.
B. <u>Catalog of Fossil Spores and Pollen</u> , complete	1000.
C. 15 yrs. of <u>Pollen at Spores</u>	750.
D. 20 yrs. <u>Micropaleontology</u>	1000.
E. Complete run of AASP proceedings vols. (<u>Geoscience & Man</u> , <u>Palynology</u>)	320.
F. other publications marked "non-PSU" on enclosed lists	950.
	<hr/>
Total:	\$5220.

III. Items going to PSU:

A. Venezuelan pollen cards, 1500 cards @\$1.33	2000.
B. 880 pollen-residues and single grain mounts @ \$2.50	2200.

Fournier, pg. 2

- C. 1000 assorted photomicrographs
accompanying "B" @ \$1.00 \$1000.
- D. 22 boxes of assorted palynological
publications; texts, reprints @ \$125 2750.

Total: \$7950.

IV. In addition, there are some volumes of the Treatise on Invertebrate Paleontology not going to PSU. I estimate these as worth \$15/volume. Count up the number of volumes and multiply by \$15 to add to this list.

This gives a total value, exclusive of item IV, of \$15,170. I regard this as very conservative. In fact, many of the items going to PSU are irreplaceable, and could not be duplicated for the sort of money I have given as an estimated value.

Call if you need more information.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et
encl: original lists

GEORGE R. FOURNIER
10003 VALLEY FORGE
HOUSTON, TEXAS 77042

Value.

Treatise on Invertebrate Paleontology
U.S.A. University of Kansas Press
Volumes -
29 ?

Books

- Fundamentals of Optics - Jenkins & White
Optical Mineralogy - Rogers & Kerr
Introductory Economic Geography - Fleming, Storking
Agua Salada Group, Venezuela - H.H. Remy & Hall
Applied Electron Microscopy - Robert Frischer
Glossary of the Petroleum Industry - English - Spanish
Dana's Textbook of Mineralogy - W.E. Ford Spanish - English
Foraminifera - Cushman - 1st Edition (15.00)
Catalogue of Neotropical Squamata - Snakes
" " " " - Lizards & Amphisbaenians
- Dinoflagellates
Stratigraphic History of Africa - S.H. Houghton
The Petrology of the Igneous Rocks - Hatch, Kello & Kello
Handbook of Subsurface Geology - Harper & Row
Micropaleontology General - De Rivero & Bermudez
Foraminifera - Cushman - 4th Edition (15.00)
Tratado de Botanica - Strasburger
General Zoology - Villee, Walker & Smith (30.00)
Submarine Geology - Shepard (15.00)
Time in Stratigraphy - Shaw (10.50)
Textbook of Geology - Part I - Longwell, Knapp, Hunt
" " " - Part II - Schuchert and Danbar
Estudio Sistemático de los Foraminíferos etc - Bermudez & De Rivero
Principles of Micropaleontology - Glaesener
Flora del Auyan - Tepui - Strejcekmark
Invertebrate Paleontology - Ivenhofel & Shrock
Botanica General - Lassen
Structural Geology - Billings
Basic Well Log Analysis for Geologists - Aquino

GEORGE R. FOURNIER
10003 VALLEY FORGE
HOUSTON, TEXAS 77042

* for PSU

- ① ✓ Venezuela forams photos: ^{not PSU} ± 1600 cards w. photos. To specialist worth \$2000.00
to St. Thomas?
- * ② ✓ Venezuela pollen cards: ± 1500 cards w. photos. If stratigraphic-geographic info available worth \$2000.00 -
- * ③ ✓ two rolls of data covering #2 - no value as such.
- ④ ✓ CFSP: ✓ ^{not PSU} at PSU for possible purchase value is ± \$2000.00 [Just AT about sale] 48 volumes.
- ⑤ ✓ 15 yrs. Pollen & Spores: \$750.
- ⑥ ✓ 20 yrs. Micro-paleontology: \$1000
- ⑦ ✓ Complete set of Terrestrial Flora + Phytology: \$650
- ⑧ ✓ 780 pollen-remains + single-grain mounts to match: \$2200.00
- ⑨ ✓ Assorted photomicrographs accompanying #8 \$1000
- ⑩ ✓ 22 boxes assorted palynological publications \$2750
~~\$2500~~

Nov - 15 ✓

GEORGE R. FOURNIER
10003 VALLEY FORGE
HOUSTON, TEXAS 77042

Journals
Magazines - Scientific.

Science - 100 Volumes (American Association for the Advancement of Science)	\$100
Scientific American 29 Vol. (Orig price \$1.50 ea.)	\$50
American Scientist - 65 vol (Orig price unknown)	\$50
Geo - 22 Vol. (Orig price \$4.00 ea.)	\$200
Natural History 66 Vol. (Orig price \$1.00 each)	\$50

Value \$450

GEORGE R. FOURNIER
10003 VALLEY FORGE
HOUSTON, TEXAS 77042

Publications

- Geological Application of Well Logs
- Log Interpretation Charts - Schlumberger
- Surface Sediments of the Persian Gulf - Houbolt
- A Glossary - the Mining & Mineral Industry - Fay
- An Outline of the Geology of Japan
- Forest Trees of Oklahoma
- Scientific German
- National Petroleum Convention - Venezuela, 1951
- Analyse Pollinique - Pokrowskaia.
- Geology of the Grand Canyon
- Plant Fossils of West Virginia
- Review of Paleobotany and Palynology
- Manual - 7th Teaching Conference on Fossil Dinoflagellates
- Introduction to Schlumberger Well Logging

Notebooks:

- Geological Ages and Code
- Continental Drift I
- " " II
- " " III

Total 7
\$ 200.00

[Jansonius & Hill Card Catalogue \$200.00]

~~\$200.00~~

↓
handled separately

~~100~~ ~~100~~

* Either the address to send to??

Dr. Alfred Traverse
The Pennsylvania State University
Palynological Laboratories
College of Earth & Mineral Sciences
435 Deike Building
University Park, Pa. 16802

GEORGE R. FOURNIER
10003 VALLEY FORGE
HOUSTON, TEXAS 77042

Aug. 3, 1985

Dear Alfred,

It certainly was nice to see you again after all those years - I very much enjoyed all the reminiscing and your company. I hope you and Betty can find some time to spend in Houston - perhaps next summer. School begins for me again on the 27th. I can't believe the summer is so near gone.

I have listed the stuff that was left and apparently St. Thomas University would like to have it. I wondered if you could look it over and, whatever you think I could claim as a donation, make an appraisal on your stationary as an expert, with an explanation of why and send it to me. Also a list of the items, with the value, which will actually be donated to Penn State. I will need such an appraisal for my income tax return for next April 15th. What I need right now however, is an approximate total amount to declare as part of George's estate. We have already run out of time as of July 17th and my lawyer has filed for a month's extension. Of course if I do not declare this as part of his estate, I cannot realize any tax deduction as a donation.

I have begun to pack the boxes and will send them via U.P.S. If you have a budget for the cost of the transportation, you may reimburse me. If not, I can just add the cost as part of the expense re. the donation. I really think the effort will be advantageous to me taxwise.

I talked to Mike and they do have George's Janzonius & Hill card catalogue. Fritz Cramer will call you to see how you wish to handle it.

Thank you for coming Alfred and your effort on my behalf. My best regards to Betty.
Love,
Linda

31 July, 1985

Mrs. George R. Fournier
10003 Valley Forge
Houston, TX 77042

Dear Linda:

Just to let you know I got homeook., and to say thanks--especially for the ~~un~~believable experience at the Warwick. I'll never forget that scene!

I've formally petitioned the dean for shipping costs and hope I get them. However, having just paid over \$600 for the trip to Houston, he might be still licking his wounds. We'll see.

We'll also need a formal letter about accepting the gift, and placing a value on it, when I get the sheets from you. Needless to say I'd also respond in whatever other way your CPA thinks necessary.

Hope they fixed your water-main before your home was washed into Buffalo Bayou.

All the best.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

TO AT
DATE 8 July '85 TIME 11 a.m.

WHILE YOU WERE OUT

M. Linda Fournier
Of 713-782-9705
Phone _____

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

MESSAGE Has George's
stuff ready for
you to take.
When (P111)
Pls. call her.

Signed BT

The Standard Register Company

went 26-28 July 1985

26 March, 1985

Mrs. George R. Fournier
11111 Wilcrest Drive
Houston, TX 77036

Dear Ethel:

Here's the kodachrome of George back. I had a very similar one made in 1975, and I had B&W prints made of both, for the editor to pick one. I'm also sending you the B&W negative I had made, as you could have a big print made of it, if you wished.

All the best.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et
encl: kodachrome & B&W negatives

12 March, 1985

Ethel N. Fournier
10003 Valley Forge
Houston, TX 77042

Dear Ethel:

Life is so full of surprises. I guess you prefer to be called Ethel, and that's fine by me--but how did Ethel ever get the nickname Linda? That could be a story by itself! Maybe George thought Ethel (ethyl) was too petroleum-oriented? In Spanish ethyl is "etilo" and it's masculine. Hmmm. Is Linda your middle name? (My Venezuelan post-doc says it's more or less equivalent to "cutie-pie".)

What a lovely letter you sent! I'm sure I can now do a decent job of the writing. What an interesting life George had, and what an interesting guy. I really liked him. He ~~was~~ a true friend.

Too bad about George's X-ray work--I'm sure you're right. Trouble is that in the 40s, into the 50s, they were far too careless about it. I worked in a shoe store 1940-43, and fitted shoes (!) with X-rays. Betty (Elizabeth) had many, many "soft" X-ray treatments for acne in 1943-45 and is now paying for it with occasional skin cancers on the face.

I feel bad that George couldn't enjoy his ranch as he had planned. On the other hand, I feel good that he had the joy of establishing it. Bravo to you re going on with the longhorns!

Well, I'd better get down to the work and stop gassing about it. We look forward to seeing you later in the year, when you get ready to see me, about the books, etc.

Best regards.

Love,

Alfred Traverse
Professor of Palynology

AT/et

GEORGE R. FOURNIER
10003 VALLEY FORGE
HOUSTON, TEXAS 77042

Feb. 22, 1985

Dear Al,

While I was looking through George's library, I found a personal file and I have enclosed copies of records I thought might be significant. Some of his personal data was not recorded.

George was born in San Jose, Costa Rica on 5/6/14. His father was Carlos Fournier, a biologist for the Costa Rican government - he was the son of a French composer/conductor who had been commissioned by Costa Rica to establish a National Symphony. His mother, America, was from an old Costa Rican family.

He hated accounting and he had always wanted to study Geology. In 1941, he was appointed Vice-Counsel of Costa Rica in New York and took the opportunity to go to N.Y.U. and changed his career. The vice-counselship was only honorary - no money. In order to finance his education, he worked as an X-Ray technician at Pateron General Hospital where his cousin was the radiologist. He did X-Ray work on a part-time basis and week-ends from 1942-1950. That is how I met him. I was working in the Emergency Room nights and when he came back from school, he used to stop by to talk with me. He lived in the interne's quarters which was near the Emergency Room. This X-Ray work probably contributed to his death. He died of myelofibrosis - the destruction of bone marrow by formation of scar tissue in the red marrow. He probably had been exposed to too much radiation and this condition started to affect his blood in 1975. As the bone marrow gradually failed, the blood cells were not produced. It became critical about a year ago when the white counts, red cell counts and platelets were so low, he could not overcome infection and needed more and more blood transfusions. Death was caused by a septicemia from an intestinal infection.

George A. Fournier.

Born in San José, Costa Rica May 6th. 1914.
BS degree Liceo de Costa Rica, 1932.
CPA University of Costa Rica 1940.
BA degree New York University, 1947.
MA degree New York University, 1950.

Geology Instructor, New York University, 1947-50.
Research Micropaleontologist, American Museum of Natural History, 1948-50.
Field Geologist, Geological Survey of Newfoundland, 1949.
Micropaleontologist-Stratigrapher, Mene Grande Oil Company, 1951-56.
Chief Palynologist, Mene Grande Oil Co., 1956-64. Caracas, Venezuela.
Chief Palynologist, Gulf Research and Dev. Co., Houston, 1964-74.
Technical Associate, HTSC 1974 to present.
Retired - Gulf Research & Dev. Co. 7/1/83 after 32 years.
Died - 12/18/84
Activities: Professional

Accountant, Banco Nacional de Seguros, San José, C. Rica 1940.
Field Geologist, Paleozoic of Burin Peninsula, Newfoundland. 1949.
Geology Instructor, New York University, 1947-50.
Micropaleontologist, Caracas, Ven. 1951-56
Research Micropaleontologist, Am. Mus. Nat. H. 1948-50
Palynologist, Mene Grande Oil Co., 1956-64.
Palynologists Gulf Research & Dev. Co., Houston, 1964 to present.

Other activities

Delegate First International Congress in Palynology, Univ. of Arizona 1958.
Cerro Venamo Expedition, Ven. Guiana, 1963.
Member Steering Committee, Kremp Palynology Lit. Project, since 1967.
Delegate IV International Congress in Palynology, Lucknow, India, 1976.
— Technical Consultant for the United Nations in Ankara, Turkey 1978.
Vice-President American Association of Stratigraphic Palynologists, 1969.
President of AASP in 1970.
Assistant Secretary for the International Congress in Palynology, 1980.

Publications

- 1950 - Photographing Small Foraminifera - The Micropaleontologist, N. Y.,
Vol 4, No. 1, pp. 19-21.
1954 - Use of the pinhole diaphragm in photomicrography.
The Micropaleontologist, N. York, vol. 8, No. 3, pp. 58-62
1956 - New Methods and Techniques in the Photography of Microfossils
Micropaleontology, N. York, vol. 2, no. 1, pp. 37-56, pls. 1-5,
textfigs., 1-4, charts 1-2.
1957 - Construction of pinhole diaphragms for use in photomicrography.
Micropaleontology, vol. 3, no. 1, pp. 85-87, t. figs. 1-5.
1964 - The use of the IBM Method in sporopollen analysis.
Micropaleontology, vol. 10, no. 1, pp. 111-118.
1964 - Partial immersion technique for the photography of sand grain surfaces
Journal of Sedimentary Petrology, vol. 34, no. 3, pp. 473-482,
plates 1-6.

In Press

- 1980 - The Jurassic-Cretaceous boundary in fluvial marine deposits.
IV International Congress in Palynology, Lucknow, India, 1974.
1980 - Method of palynological analysis for Tertiary basins.
IV Int. Cong. Palyn., Lucknow, India, 1974.

In Preparation

Palynology of Site 493, Leg. 66, Glomar Challenger.
JOIDES Project, Scripps Inst. of Oceanography, NSF/pub.

We were married on June 3, 1944 in Paterson, N. J.
We went to ^{Caracas} Venezuela in 1951 and our two sons were
born there - George Richard Jr. in 1952 and Fredrick
Walter in 1955. We were transferred to Houston, Tx
in Jan. 1965. George ^(M.D.) is a 6th year urology resident
at the Univ. of Cal. medical center in San Francisco
and Fred is a commercial pilot who flies ^{private jet} for a
Houston corporation

George bought a ranch in Flatonia, Texas - cleared
the land, built farm building and raised Brangus
cattle from 1982-1984. He had planned to consult in
pedynology and retire to the farm. He sold the
Brangus cattle in July 1984 and had plans to breed
Texas Longhorns. I intend to carry on with the
farm and the longhorns but I will continue
to live in Houston and keep my job as a school
nurse in H.Q.S.D.

I can't think of anything else - Of course, George
was always so active and full of plans, I could
go on forever.

Thank you, Al, - for your card, your phone
calls and your comforting concern. I appreciate
your writing his memoriam for the A.A.S.P. and
will certainly treasure it.

I have just about finished packing up
his library and we can make plans later to
see about that.

Give my love to Elizabeth and I hope
to see you both real soon.

Love,

Ethel

(or "Linda" as
George always
called me.)

Professional Data 1956-1974

- 1- Services that can be established^{ed} in a short time.

Palynostratigraphy of the Western Venezuela Basin. Complete zonation of Paleocene to Miocene sediments. Detailed zonation of the Eocene section for well to well control and local correlation, regional correlation and environment of deposition studies. This services could be ready to start within a month after the laboratory is completed.

- 2- Establishment of type sections in other basins using the same methods employed in the Lake Maracaibo Basin. For this work the use of a computer is necessary. Isolated age determinations do not require the use of computers.
- 3- Age and environment of deposition determinations on surface and subsurface samples using either pollen and spores (continental or deltaic type of sediments) or nannofossils (coccoliths, discoasters or radiolaria) in marine sediments. The use of nannofossils is very fast and very accurate, as you know.

Main fields of experience:

- 1- Tertiary of Northern Canada - Established the only up-to-date palynostratigraphic zonation detailed enough for well control and well to well correlation. This was demonstrated in a recent meeting of the four companies drilling in partnership in the Mackenzie delta. Gulf was the only company with an adequate zonation for routine correlation in the Tertiary of Canada. A similar zonation and correlation scheme has been in existence since 1966 in the Cretaceous of N. W. Territories, Ryazanian to Maestrichtian. I do all the palynology for Gulf Canada, an average budget of \$60,000.- a year.
- 2- Zonation and correlation of the Cretaceous of Gabon and Nigeria. Developed using the same principles (computer application) employed for all previous work.
- 3- Triassic of Argentina. Well control, correlation and zonation in the Northern Cuyo basin, Argentina.
- 4- Kremp World Palynology Program. Founder and permanent member of the Executive Committee for this project started by four companies (six now) for the computerization of the world's palynological literature executed at the University of Arizona. A retrieval system was created, the first format given by Gulf. Over six thousand papers have been incorporated so far in five years of existence. Only project of this kind in the paleontological sciences.
- 5- American Association of Stratigraphic Palynologists (AASP) Member of the original founding group and architect of the society. Councilor in 1969. Vice President in 1970. President in 1971. Councilor in 1972. Chairman of organizing committee for Houston convention 1975.
- 6- Arctic Palynology Data Exchange Committee. Clearing house for palynological data in the arctic region. Eight companies involved. Member and Gulf representative.
- 7- Nannofossil Zonation of the Gulf of Mexico. Established first nannoplankton zonation (Maestrichtian to Pleistocene) of the calcareous sediments off the W. coast of Florida.

8-"Analytical Methods for the palynostratigraphic zonation and correlation of Tertiary basins in oil exploration." Paper in preparation to be given at the AASP meeting in Calgary, 1974. Will be published in 1975. Five more publications in different journals.



Please list below all the activities you are aware of which are performed by the seminar participant. Do not evaluate or sort the list, just write the activities as they come to mind.

1. Addition of new types to type collection. This is the basis for all future work.
 2. Isolation of palynomorphs in single mounts, measurement and description.
 3. Determination of new species by comparison with our types and the available literature.
 4. When necessary, retrieval of comparative forms from the Kremp Program for reconciliation.
 5. Photography of new species, preparation of type cards and identification manuals.
 6. Counting of palynomorphs and retrieval of unknowns as count progresses. Wet mounts used.
 7. Acquisition of parameters through computer program that I developed starting in Venezuela in 1958.
 8. Gathering of all geological data available from same region for establishment of zonation and conclusion for final report (Venezuela, Canada, E. Coast U. S., Turkey, Austria, Taiwan, Colombia, etc.)
 9. Well correlation using biostratigraphic, lithological and log information.
 10. Preparation of charts and illustrations for reports.
 11. Cataloging of all information acquired (charts, types, photos, zonations, etc.) by areas or countries where work is done as basis for future work.
 12. Keep up with the literature in geology and palynology.
 13. Quality control of all reports put out by the section. Agreed 5 years ago but never done.
 14. Teaching of developed techniques to palynologists. So far only workers from foreign countries (Turkey and Austria) have benefited. Our palynologists know it all.
- In case is not recorded somewhere else:
- Lectured in foreign countries: Canada, Turkey, Austria, India, Israel, Japan and Mexico. Possibly Venezuela in the future.
 - Co-founder, Councilor, Vice-President and President of the American Association of Stratigraphic Palynologists.
 - Co-founder and author of first computer plan for world literature in palynology, Kremp Program.
 - Contributing Scientist for D.S.D.P. and Consultant for the United Nations
 - Author of more than 16 research papers including two on original systems for the photography of microfossils and sand grain surfaces.
 - Microfossilist for Gulf in Venezuela for 7 years.

January 28, 1975

Ms. Marion E. Fowke
29 E 14th Street
Holland, Michigan 49423

Dear Ms. Fowke:

I still am not sure that my salutation is correct as to gender, but you make no comment so, at least it didn't offend!

My friends in the Biology Department tell me that it is technically speaking too late to apply for the fall of 1975, but I have explained to them that the delay is in some measure my fault, and I have asked them to see that admissions materials are sent to you, and I think there is a chance that your application might be considered. I cannot assess the probability of your admission from a grade point alone, but I certainly suspect that you are in the running, and I would say to go ahead and apply. If you were to come here I would presume that you would be enrolled officially in the Biology Department but would be working under my direction--geographically speaking, I am housed in the College of Earth and Mineral Sciences rather than in Biology, but I have an appointment in the Biology Department and am qualified to administer a program of research for a doctoral degree in that department.

Best wishes. If there is any further way I can be of assistance perhaps it would be best to telephone--for example, if the application forms don't come in a few days.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/vsi
cc Peggy Wolfe, Biology Dept.

Marion E. Fowke
29 E 14th St.
Holland, Mich. 49423

Jan 21, 1975

Dear Dr. Traversa,

I am a biology major interested in doing graduate work in Palynology. I have taken Calculus, Physics, Chemistry and Biology including Botany and Palynology. I have not taken any Geology courses although I would like to take some while in graduate school.

My grade point average is 3.0.

My research work began with Dr. Norman Norton, under whom I studied spores from sediments of Paleozoic origin. When Dr. Norton left for Ball State University I focused on pollen from very modern sediments around Lake Michigan. This past summer I cooperated with the Geology^{dept.} working full time under an URP-NSF grant, as well as receiving credit from a school (Hope College) sponsored honors program. I will be giving a paper on this past research project at the Michigan Academy meeting in April.

I would like additional information on the
Hunt Institute for Botanical Documentation

research you are doing and the papers you have written in the past couple of years.

could you please tell me what chances a student of my background has for being accepted into a program of Palynology.

Thank you for your consideration.

Sincerely,

Marion E. Fowke

January 17, 1975

Ms. Marion Fowke
29 East 14th Street
Holland, Michigan 49423

Dear Ms. Fowke:

First of all, please excuse me if I have your gender wrong. As you know, Marion with an o can be either a masculine or feminine name. In direct answer to your question about graduate studies in geology it would seem as if you would enter here under a very considerable handicap if you wanted to get a degree specifically in geology. However, the palynological program here is run jointly between geology and biology, and it is possible for you to apply in biology. Then you could take those geology courses which you would need--and there a fair number of those, but you could avoid many credit hours of things which probably would not be essential. I am unable to say without looking at your transcript and so forth what your chances of admission are, but I would advise you on the basis of your letter of December 23 to Dr. Schmalz that your next move should be to write to the Committee on Graduate Studies, Biology Department, Life Sciences, The Pennsylvania State University, University Park, PA, 16802, asking for application forms and other information. It would be a good idea to mention that I had written to you (I have an appointment as a professor in the Biology Department as well as in the Geology Department).

Best wishes.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/vsi
cc Dr. R. Scholten
Committee on Graduate Admissions,
Biology Department

Furnier. 3-8-69

Said that credit must
Loren re abstract. will
promise to send one.

re

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

4 August, 1966

Mr. K. Fowler
Northern Grammar School for Boys
Mayfield Road, North End
Portsmouth, England

Dear Mr. Fowler,

Yours of 5th June was forwarded to me here at my latest address. I have just moved here from the University of Texas, and am sitting amongst my unpacked boxes as I attempt to type this letter on a borrowed, very inadequate typewriter.

I am glad to hear of your interest and work in the area of early Tertiary microfloras. It is fascinating business.

Presumably you know of my article on preparation of modern pollen slides published in the Handbook of Paleontological Techniques, Freeman Pub. Co., 1965, Edited by B. Kummel and D. Raup. In the article I point out the advantages of getting one's material from herbaria rather than from living plants. It is too bad that you have been denied access to Kew, etc. That is going to become more of a problem because of the depredations of some of us. There are several solutions--one is to build your own herbarium --not as impossible as it seems. I had one of 20,000 sheets when I left Shell Oil Co., in Texas. Another is to become a plant collector and donate your materials to a herbarium in which you're interested--in exchange for being allowed to "raid" occasionally. I also have done that and have carte blanche at several of our largest herbaria as a result. Of course, England has been pretty well collected, and there isn't the demand for plants from Hampshire that there is for plants from Texas.

If you could come here, I would be happy to let you make duplicate slides of my material. At the moment, however, with no help and trying to get established in a new job, plus get going on several research projects, plus go to the International Palynological Conference in Utrecht (29 Aug., and the following week), I am sure you can see that there is no way that I could run up the list of slides that you request--perhaps a half-dozen critical things, yes.

I do hope that you won't be too disappointed with me and that you will read the article mentioned above and figure out some way to get your own herbarium material. (Could you get some sort of grant to come here for a visit?)

Hunt Institute for Botanical Documentation

Alfred Trautman

C I T Y O F P O R T S M O U T H

NORTHERN GRAMMAR SCHOOL FOR BOYS
MAYFIELD ROAD, NORTH END
PORTSMOUTH

HEADMASTER:
R. R. HANCOCK,
M.A. (Cantab.), B.A. (Lond.), J.P.

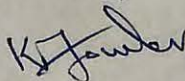
PORTSMOUTH 64135

Biology Dept.,
5th. June, 1966.

Dear Sir,

I am doing work on Tertiary beds of Eocene and Oligocene age in Britain. As you can see from the above address, my work is being done on a part-time basis as I am a full-time teacher. Nevertheless, I take my work very seriously. My progress is being slowed down because I have been refused permission to make a reference collection of extant pollen and spores from herbarium sheets housed at the Royal Botanic Gardens Kew and the British Museum (Natural History). I am collecting live material from Kew but, at the present rate, it would take years before a reasonable collection is made. Therefore I am writing to you in the hope that you may be able to help with regard to the supply of some material from which I could make slides. Please understand that I would most certainly not put forward such a request if the situation had not been quite so critical. I enclose a limited list of requirements but I would welcome any other genera and species to the ones listed, especially those now found living in the wetter regions of the south-eastern United States. In fact, any duplicate material you may have available from your own reference collection would be very gratefully accepted. Should you know of another source from which I may be able to receive some help, perhaps you would be kind enough to let me know. I have read your work on the Brandon Lignite with great interest and I feel some regret at having to contact you for the first time with such a request as mine.

Yours sincerely,



K. Fowler. (Mr.).

Dr. A. Traverse,
Harvard University,
U.S.A.

Dr. W. FRANCIS and ASSOCIATES,

Consulting Chemists, Chemical Engineers
and Fuel Technologists.

WILFRID FRANCIS, M.Sc., Ph.D., F.R.I.C., F.C.S., F.INST.F.

IN CO-OPERATION WITH:

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DATE 15th February, 1955

Dr. Alfred Traverse,
U.S. Bureau of Mines,
Region 111, Box LL,
University Station,
Grand Forks,
North Dakota.

Dear Dr. Traverse,

Thank you for your letter of the 31st January, asking for a copy of my paper in Brennstoff-Chemie of 1953.

I am sorry to say that I have not a copy myself of this paper, but you will no doubt be able to obtain a copy of the English paper used for the translation into German, and this may suit you better. The original was a lecture that I gave to the Institute of Fuel in February, 1951, under some such title as "The Classification and Properties of Coals from the Commonwealth Sources". This was published in a later number of the Journal of the Institute of Fuel, I believe in May of 1951, with a discussion of the paper, either in the same number or subsequently. Forgive my vagueness in the matter, but my files in this matter are in another laboratory some distance away and I shall not be going there for some time. However I feel sure that you will be able to trace the paper and discussion by reference to your own library copies of the Journal.

In any case the subject is fully discussed, and expanded, in my book, published last year by Edward Arnold (Publishers) entitled "Coal- its Formation and Composition". This book is available in the U.S. through any supplier of scientific books and I hope that your library will have a copy and that it will prove useful to all at your Station.

Yours sincerely,

W Francis

SOCIÉTÉ GÉOLOGIQUE DE FRANCE

FONDÉE LE 17 MARS 1830

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TÉLÉPHONE

3 31 - 77 - 35

Paris, 14 mai 1975

The Pennsylvania State University
Professor A. Traverse
Palynological Laboratories
529 Deike Building
University Park, Pennsylvania 16802

*gave copy
to Tate*

*what was
it about?*

Monsieur,

En réponse à votre lettre du 30 avril, reçue ce jour, voici les précisions demandées :

Les Comptes rendus de la séance du 8 novembre 1954 et de la séance supplémentaire du 15 novembre 1954, consacrés aux Problèmes de Paléontologie, sont publiés dans le n° 13 du Compte rendu sommaire des séances de la Société géologique de France de 1954, mais parution premier trimestre → 1955. Pour la référence bibliographique c'est donc bien "1954" qui est correct, en précisant, toutefois, l'année de parution.

En espérant vous avoir donné satisfaction, je vous prie de bien vouloir agréer, Monsieur, mes respectueuses salutations.

La Bibliothécaire

C. Wadier

C. Wadier

CATALOG OF FOSSIL SPORES AND POLLEN



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

THE
INTERNATIONAL COMPENDIUM
OF
PALYNOLOGICAL SYSTEMATICS

July 25, 1967

Mr. Murray Franklin
Tilden
Texas 78072

Dear Mr. Franklin:

It was good of you to allow Mr. Nichols and me to sample the interesting deposit of lignite which outcrops on your ranch. We obtained some pretty good samples, and I think when we get around to working on them, which will be some months from now, we should find out some scientifically significant information. We will remember your kindness and cooperation and will let you know what we find out. I expect it will not have much practical application but may be of interest to you anyway.

Very best wishes to you and once again thanks.

Yours very truly,

Alfred Traverse
Associate Professor of Geology

AT:kaw

8007 Zürich, 24/9/80.

Dear Betty and Alfred

Many thanks for your letter of mid July (I got it only mid August, when I came back from Ticino to the Institute) and also for your efforts about the Russian book and for the magazines. Thanks for having written to Canada about it but really it was not that important. Pantić told me he would send me the book if he finds it in the Russian bookshop at Belgrad.

It would be a great disappointment if you did not come to Switzerland, although I can understand your obligations keeping you at home. From the scientific point of view there would be interesting topics of pre-quaternary palynology - apart from the Evid lake drilling which is "fiasco" at any rate - but KTH is not interesting, unfortunately. I am still preparing the stupid Bündner schiefer but from next week on I get a successor fortunately. So I can take up again the Black Sea where I could not work since last January and KTH expects results before the work is done. To make the B.S. seriously one needs a life time. I still don't know if I should get married with palynology though or abandon the whole junk.

My daughter Janet has got over quite well over the critical and selective stage in school and is still in-

proving her masks, so one load less for me.

Both children will visit their father ^{in Cairo} in autumn holidays and Martin probably will be able to go to the field ^{into the desert} as he stays the some days longer than Janet. I shall still go and work in my cottage and probably shall ^{visit} to Egypt around February with a friend; now I am not well prepared. Also I don't know how much work there is to do in beginning of October with introducing the museum and another assistant in the lab. We also are interested to know more about this magic sieving machine and have written to Paris to get information about it. We still have to sieve all by hand. At least we got from Holland the VIBRAWAB, an apparatus* which has a waterbath and shakes at the same time. We had to wait ^{more than} one year for that, it should save preparation time, we hope.

So I still wonder if you do come or not **

All my very best
Wishes yours very
truly

Sibylle

** You should not worry about the very much dropped value of the dollar. Professors at ETH get astronomical salaries.

* especially made for SHELL and some other pal' labs in Holland.



Ecole Polytechnique Fédérale Zurich
Institut de Géologie

Dear Betty and Alfred,

Thank you for your letter from February. I am very pleased to hear from your coming to Switzerland next autumn. I just hope that you can cope with our usually foggy, dull and wet winter climate. Also we are far away to offer such an abundance of woods and trees like in Pennsylvania. Switzerland is only really nice away from the towns, in the mountains but there, also away from touristic places. So I hope you will not be too disappointed.

Of course Betty is very welcome in our lab, I look forward to this, moreover the atmosphere in the lab will certainly improve a great deal, for the "lab lady" has left us yesterday, definitely and for ever. So a long dream has become reality, also for the others. However there is no replacement for her, and yet every professor wants pollen prepared for his projects. I am only paid for 10 hours a week from the Institute, unless I work for a project, where there is money available. So I really don't know how things will work in future. The problem is that there is a permanent "Personalstopp" at the whole ETH, and no more people can be employed.

About learning German: Yes, I think it is best just to learn some vocabulary and maybe everyday sentences (I am sending therefore this booklet, I found in a special language-book-shop). I don't think there is any point in learning Swiss-German ^{in this short time} (it's not a written language anyway), although people in the shops and so quite often answer in Swiss-German to foreigners; this is just one of the many rudenesses of Swiss people, to warn you, and it makes life very hard to our many poor British and other Anglo-Saxon people at the Institute. There, by the way, everyone speaks English and again there is no good opportunity to learn German, unless one tries straight from the beginning only to speak German.

I must apologize (once more) for not having written earlier, but till the end of March I had - and still have - to work very hard on a project, to get some pollen out from a formation called "Bündnerschiefer". That's a partly metamorphic, very thick series of shales and clays ("shistes lustrés", maybe you have heard), laid down in the geosyncline trough of the Central and Western Alps and of Mesozoic Age, very hard to prepare and very often bare of pollen. Identifying of pollen is doing Prof. Pantič from Belgrad, staying some months of the year at our Institute.



Ecole Polytechnique Fédérale Zurich
Institut de Géologie

This project should be finished in August and I hope I shall be able to do some more work on the Black Sea samples then.

In the Easter ~~holy~~days I was in SW-France with a Friend, ~~she~~ she did not want to drive all herself so she asked me and we went with some of the children to see some friends of hers at a very remote farm, about 60 km East of Bordeaux. It was beautiful, always sunny weather. I was surprised of the abundance of all the medieval churches abbeys and castels especially in the beautiful landscape of River Dordogne and also in Central France where we passed. I have never been there before. We were also delighted how much effort is taken in all the small towns to restore and preserve the old cities, with many medieval houses, sometime built by the British during the 100-year-war and many other things.

I haven't been in my place in Ticino since October (just for a short weekend in March), also because I had to work hard with Janet for the exam of admission which she fortunately passed. That is actually the greatest luck in the last time we had. But only in July she will be accepted definitely after numberless tests with marks (they usually through out one quarter of the pupils) so again we hope for the best.

I am glad you liked the chocolate and the flower towel. Unfortunately I don't know your postal address in Huntington, otherwise I would have sent it there of course. I try to learn Russian because of the numerous publications in this language amongst palynologists. In this respect I have a favour to beg of you, I am hesitating to ask but concluded after some days now to do it: Maybe you remember, Alfred, when you showed me ^{at} ~~in~~ the College-the library, we saw an Russian fairy tale book, called the "fire bird". At New York there was the same book but in English, which I bought. Now I would so much like to have also the Russian one. Would it be possible for you to buy this book, ^{for me} if it is still available and bring it when you come to Switzerland? I cannot find it in Zürich. I send you some dollar notes, the one which are left over from last year. Please let me know, how much it costed and I will send you the rest over. Now I should really send this letter away, excuse me please that it lasts so long. I hoped I could finish the letter in the Institute but there time flies that quickly, and in the evenings I am usually so tired, have to bother with my family, learn Russian etc. It's like being in a sort of a permanent turning mill.

I hope you have a nice spring. Today, 11th May, it's the first sunny Sunday and we could have breakfast in the garden.

All my best wishes in every respect

Yours very truly

Sibylle



Hunt Institute for Botanical Documentation

29 July, 1980

Dr. Sibylle Franks
Geological Institute
E.T.H.
Sonneggstrasse 5
CH-8006 Zürich, Switzerland

Dear Sibylle:

What a joy to hear. I thought of you in Cambridge at 5-~~1~~PC-- especially at one session where papers on sieving were being given. I believe I have got to the bottom of that now!

About our visit to Zürich--I have heard nothing from KJH for about six months, and am about to conclude that it's "off". Also, I have been having second and third thoughts for other reasons (none of them the ones you mentioned--vegetation and weather!). For one thing, our recent 3 weeks in U.K. scared us silly about the cost of being anywhere in Europe. Furthermore, I have heard rumors that the project KJH has (had?) in mind for me may be unreasonable--poor preservation, much reworking, etc., etc. Hmmm. Who needs it? Also, of course, the personal decisions are difficult. One of these, resignation of my pastorate, I have already taken care of (effective, 1 July). But there are many others--e.g., having our old, dear dachschund "put to sleep", etc.

Good luck with Janet's schooling. Your problem is the reverse of ours--here too many students are passed through the system and end up in university with no motivation.

Good going on your Russian studies. I have let mine slip but still can read adequately.

Our address at home: RD 2, Box 390, Huntingdon (note:...don), PA 16652.

I am working on the Russian books and will let you know soon. But you shouldn't have sent money, old friend! However, I must say the \$\$ are worth more here than in Europe, where they seem to be unbelievably devalued!

Thanks also for the German book. Actually, although I make many mistakes, I can make myself understood quite adequately in German. Swiss German is another story, and I won't even try. All the best.

Yours very truly,

Alfred Traverse, Professor of Palynology

XXXXXX

9 October, 1979

Dr. Sibylle Franks
Geologisches Institut
E.T.H.
Sonneggstrasse 5
CH-8006 Zürich, Switzerland

Dear Sibylle:

Thanks so much for the very helpful letter of 26 September--I acknowledged its receipt in the margin of my previous letter, but it really calls for more than that!

I am writing to Linker right away. I hope it all works out by, say, December!

Regarding the Hochuli method--as I told you in the previous letter, it is not original. However, storage in water does not appeal to me--unless I could find vials that really are 100% sealable. Ask him, if you will please, why one couldn't store in the polyvinyl alcohol instead. I am gathering all sorts of mounting medium dope.

Best wishes, dear friend.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

XXXXX

5 October, 1979

Dr. Sybille Franks
Geologisches Institut
E.T.H.
Sommerstrasse 5
CH-8006 Zürich, Switzerland

Dear Sybille:

Thanks so much for the nice and very long letter of 14 September. I can't say that we enjoyed suffering with you in your struggles against the "lab lady", but nevertheless we had heard much about it when you were here, and appreciate knowing how you're getting along. My advice to you is to hang in there, because in Ken Hsu you have a very strong ally, and you're bound to come out on top.

Regarding the sieves--I'm glad to know about the Vaco sieves and have filed the xerox catalog sheets you sent. I do not preclude the idea of using them, but I feel that the nylon ones would be better, so I still look forward to getting information about that from you when you have it.

Regarding the bioplastic mounting technique--you will probably have recognized that the technique outlined on the sheet you sent is essentially identical to the "double mounting" sheet that I gave you when you were here. The only difference is the particular plastic used for fastening the coverslip to the slide. I will look into bioplastic, but I have a horrible fear that it may turn out to be one of the methacrylate series, and that series of plastics is not good for pollen in the long run. I also would want to know what its index of refraction is. I have a project going on the back burner regarding mounting mediums, and I just might pull it all together and publish it one of these days. I have repeatedly looked into the subject in great detail over the years, so I appreciate what you've told me, and have made appropriate notes from your letter in the right places. We make safranin solution simply by dissolving it in water (saturated solution). We use Safranin O, and the water solution seems to work fine. Basic fuchsin is really a better stain, but you are right--it requires great care with the ph of your

Franks, pg. 2

final washes, etc., and is more trouble than it is worth. Safranin has the problem of staining too many different things, but it does get the job done.

Once again, it was delightful to hear from you. I hope we will get to see your place in Ticino one of these years. We both have great affection for you.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

P.S. I send along greetings, too. We have finished the "plum water"--I recommend a small glass of it before bedtime--really delicious and puts you right to sleep.



Dear Alfred,

Here I am finally sending the address of the sieve producing company. It is in Germany and our lab firm - the branch in Basel - "Auer & Co." have made inquiries about the sizes:

The Nylon tissue is available

from 5 μ on upwards, 5 μ , 10 μ , 15 μ and so forth.

Diameters of the sieves are available:

100 mm (min.)

150 mm

and 200 mm

Inner heights are

at a ϕ of 100 mm: 40 mm or less

" " ϕ " 150 mm: 50 mm

" " ϕ " 200 mm: 50 mm or 25 mm

Address: LINKER K.G., Postfach 410 340, 3500 Kassel /Germany
Aurer did not tell me anything about the prices. I think it is best if you contact them⁺ yourself, they are supposed also to be specialised in exporting products (or they may even have branches overseas). I was surprised that there is no size under 100 mm, because our LINKER-sieves are all around 50 mm. I think it should be possible to get smaller ones on a special demand.

Hochuli has come back from his Marokko excursion (with Trümpy and others) and asked me to tell you not to publish that new mounting method I sent you in his absence (and actually without asking him), because he got it only as an internal handwritten instruction from Calgary, and it will be published by someone there. The residue can be kept in water with phenol, preventing the bacteria business.

All my very best wishes to Betty and you

Zürich 14. sept. 1979

Geologisches Institut

Sonneggstrasse 5
Telefon 01 326211Postadresse:
Geologisches Institut
ETH-Zentrum
CH-8092 Zürich

Dear Betty and Alfred,

I don't know how to apologize for not having answered your letter of Juli, which must have arrived just after I left Zürich for several weeks, ^{which} I spent in my place in Ticino*. I am so tormented by a bad conscience that I want to write you now, although I could not get yet all the information about the sieves.

Thank you also for the copies of the fishes catalogues, which were very useful to us (especially the Swiss Address), and also for the well succeeded photos - mine did not succeed well unfortunately. After Ticino I went to Holland to visit the pollenlab in Rijswijk, to look what ~~they~~ they use, because it is difficult for us to get Fisher things in 220 Voltage etc. etc.

To get to know about sizes of our sieves I had to go ^{through} to a lot of handicaps - and still I have not yet reached the source of my "investigations". First there are personal difficulties with our "lab-lady" (Triss Deubelbeiss) who is on "passive resistance" (or actually on strike!) since several weeks, because she disapproves all improvements which were made or should be made in the foam hood and in the lab else where - well, it's a long story and not at all finished. She was not

* The letter has not ^{been} forwarded.

willing to give me proper information about where she got the sieves from, and the assistant who was bothering too with those things formerly, and which I cannot reach now because he left the Institute in June had told me another version, the one I wrote you before. Now I have gone halfway myself through that jungle of firms and persons and have eventually found out the name of the man who dealt with the lab-lady, but unfortunately he ~~has~~ is on holiday and his secretary has only found out that the sieves were specially made again by another firm and it will take another week (from now on) to get to know ~~in~~ what sizes of mikrons (i.eg. from 1μ upwards maybe) and which diameters are available. Though, as soon as I have this information, I shall send it on to you immediately. - Still I found in our accountancy some of the bills - the prices seem to differ during the last year; the last order of 8^{pieces} in 1978, I have seen is i.eg. 15 mikrons, ^(Nylon) 50 mm interior diameter, 40 mm high costed (one piece) Swiss francs 60. - which at the moment would correspond to about \$ 35. -

At Rijswijk they are using the "Veco" sieves - from which I send you a catalogue copy. From what I have heard this nichel/material is (for our pollen labs) not very resistant, especially not against acids; and we have made better experiences (especially with the very the tough half metamorphic shistes lustrées) with nylon material. However the samples - before sieving - must be washed, if necessary several times with about 40% Hcl; I have tried

otherwise they simply don't pass not even with a lot of shaking

21

with my Blade-seediment.
this out myself. Those Veco sieves cost about twice
as much as the nylon ones.

I am very glad that ^{Hochuli} Hoduli has come back from Saskatoon.
Without him being here I probably would have ^{had serious} thoughts of
~~seriously~~ abandoning the whole palynology business, at least
in this institute, ^{as} under such personal conditions. But
fortunately we both, independently, have come to the same
conclusions about what should be changed in the pre-
paration methods. We have also the support of Hsu, and Hauke.
As mentioned, the availability of different ~~lab instruments~~
is very bad. I.e. Fisher hot-plate pc.100 (the big one)
is not sold in Switzerland, only the small one; the
magnetic stirrer only for 110 V. Swiss ^{or German} Products have too
much metal, ^{in general,} magnetic stirrers are not available with
heating and if ^{they do} they are so small that there is only
room for one dish (!!) and so on and so on. The only
available thing which we do have now is the Vortex mixer.

I still need well over a week for 8 samples, trying out to
abbreviate here and there and usually it doesn't work.
Hoduli brought a mounting method from Canada, ^{which might be of some interest for you} the
Bio-plastic (which ~~until~~ ^{chemically} until now I could not yet find out
what it is) and where in Switzerland available!) is supposed
to deliver permanent slides, which don't dry out. ^{I wrote the instructions down for you} I did not
ask Hoduli about the preservation medium of for the re-
sidue, he is in Travniko till end of this month, I shall
write you more about it when he will be back. - He
also seems to know much about Dinoflagellates, which
is of course very useful for me.

To come back to the sieves: It seems that one can or -

of the frame

der any size of diameter and probably down to 5 microns.

^{One} ~~Another~~ thing I would like to know: The recipe of who to make safranin^{solution}; We bought safranin-t-powder (only safranin-t* is available; in Canada they use safr. o) and mixed it with alcohol (2g safr. with 100^{ml} alcohol. 70%) but it seemed very concentrated and was a bit of a mess, and ^{yet} the pollen were only properly red after about 1-2 hours. (Until now we only had Fuchsin, which is not so good for our purposes after Hodiuli)

I hope I have not made too many mistakes in this letter, it was written a bit in a hurry. When I have more time I shall make some prints of my photos for you, although the pictures (due to this cheap auto-matic camera or the film was too old) are not ^{good} well exposed in exposure, just to warn you beforehand.

I also hope to get the information soon, sorry about it!

All my best wishes and greetings to all the people I know in the Penn State College

Love
Sibylle

* But he has ^{no} idea about the difficulties of producing ^{new} lab instruments and how complicated it is to produce more fame hood room etc. etc, and how much time goes by to bother about that all.

* I dont know what those letters mean.

XXXXXX

9 July, 1979

Dr. Sibylle Franks
Geologisches Institut
E.T.H.
Sonneggstrasse 5
CH 8006 Zürich, Switzerland

Dear Sibylle:

Thank you so much for your kind note of 26 June. We were beginning to wonder if everything had come out all right. You seem to have had a marvelous time of it after you left here, not to imply that you didn't have fun here, too (I hope).

I have written Ken Hsü a letter about your visit in which I have emphasized the necessity of more fume hood space for you and especially that you should have at least part of a room which is specifically yours. Betty is sending along with this letter per my instructions xerox copies of the appropriate things about hot plates, stirring hot plates and centrifuges. Regarding the latter, I have tried all kinds and keep returning to International. I still think that they make the best small medical-size centrifuge for palynology that is on the market.

The nylon sieves are something I have wanted to get into for some time. Let's correspond about this a bit more. I think your suggestion of having you get them in Switzerland is an excellent idea, but I want to be able to pay for them some way. Perhaps we can do that by sending you something that would be useful in your laboratory of similar value? Could you send me as soon as you can get around to it a list of what the "densities" available are. You mentioned HD-15, but what others are there? Perhaps you could provide a xerox copy of appropriate pages in the catalog. I really am excited about the possibility of getting them and putting them into my procedure.

Now for a personal word. We enjoyed having you here so much that we can't easily tell you. If you should want to come again on your own hook or whatever--to see more of the city of Washington, for instance--don't hesitate to do so. We can still taste the memory of the Emmentaler cheese.

Franks, pg. 2

A few glasses of the "plum water" remain, but are disappearing quickly. Betty says the chocolate was the best she ever tasted!

Very best wishes to you.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et
encl: information about lab supplies

P.S. Warm wishes from me, too.

Betty

Zürich, 26. Juni 1979

Dear Betty and Alfred,

It is now over a fortnight since I am home from America and you are certainly wondering how things went since I left Penn State. I started this letter about a week ago, but now I really must finish, I hope being able to do it before Janet comes home from her ballet lesson and I will have to help her for hours with her house works. Today I got the card from Geoff that Betty sent forward, thank you very much. - America was in every respect a really wonderful time -- sometime it seems to me like a beautiful dream --. I am very satisfied about what I was able to learn in the lab with Betty and also on discussions with Alfred. Thank you once again for your hospitality ! I hope you both had a good time after I went and you too. Federico and I were delighted that Betty showed us the Amish people. Afterwards we choose mainly small roads through the Appalachians and so we enjoyed the beautiful scenery much more. We reached Gettysburg, a very nice town, you certainly know, where we stayed at night and went ~~so~~^{to} see the battlefield the following morning and the President's Hall, very impressive show. It was pouring with rain when we reached Washington at about midday, so we had only one afternoon there which we spent in the museums. I was very impressed by the outstanding mineralogical collection. I hope seeing Washington once more in my life. On Monday we went to New York by Amtrak. Federico got to know a Pakistani PhD Student at the geoph-congress and we were very lucky that he collected us at the Pennsylv. Station and we went first to his apartment in Upper Manhattan near Columbia University, where he lives with his family, very charming people. From there I phoned to Seville Hotel and was very surprised that they said they had no room for me (without comment). But by the help of our friend I could then get a room in the student hostel of the Columbia University (passing myself for a postdoc student). It was very cheap - only \$ 6 a night, but very noisy from all the recordplayers and amplifiers of the neighboring rooms, especially around midnight. However, I had four wonderful days seeing New York, whereas Federico had to study the Black Sea Cores in the basement of Lamont and didn't even know that the weather improved a lot. Everything at New York was so impressive to me, because there is such a variety and contrasts of things, such as the medieval Cloisters, only a few miles away from the Skyscrapers. I went to Bronx to the Botanical Garden and walked back through Harlem.

I enjoyed the Metropolitan Museum and there was a temporary exhibition: Treasures from the Kremlin, absolutely fabulous and worth seeing! On Saturday I was told in the Swissair office that no flights from Boston to Zurich would take place, because of DC10, but two hours later I could make new bookings by British Airways through London. So we went by train to Boston and I was awfully happy to be able to see this town, which we liked very much, and also the weather was properly warm, well over 30°C. Reaching London we came into winter again, there is only 10°C! But in Zurich much warmer. Geoffrey had gone one hour earlier to The Hague, but he left me the carkey at the Swissair information, so I could drive home in my old bin, at midday. The Children were safe and sound and said that their papi looked very well after them.

Concerning our palynolab, Mr. Hantke ^(who is still the chief) is not at all unwilling that we introduce different, quicker methods with adequate equipment and that we try and apply for more fume-hood-space. But he cannot decide about the finances. I am studying now many different catalogues about lab equipment, but cannot even find anywhere i.e. a satisfactory heating plate, which is ^{both} large enough and resistant to chemicals, about like yours. So I would be very thankful if you could tell me sometime the name and the address (where it is made) of your heating plate (the one for the HCl treatment). I also have difficulties in finding those small centrifuges you are using, although I have seen them in Bern in the lab. How many rods/Min. maximum must they have, what brand name and address have they and what has to be different to those for medical purposes? There is no hurry in answering these questions. There might ^{also} be a possibility for me to have a look at the Rijswijk-Shell-Laboratory, before we start buying things.

About the nylon sieves I can give you the name of the firm, where we get them:

Zurich bolting Cloth Mfg. Co. Ltd. (Zürcher Beuteltuchfabrik AG), 8803 Rüslikon, Switzerland

We usually order the tissue in the size wanted and the density (number of M) i.e. HD 15 and then have it welded into a brass or steel ring by an other chemical firm, at Zurich, which is making this specially for us. Diameter of the sieve is 15 cm and the height 4 cm, and it works very well. If you are interested to have those too or to try them out, we could order them and pay them as if it were for us, and send them over to you. That would be better, because ^{otherwise} the factories would charge you much more (with the exchange rate of the dollar) and probably a lot of other little expenses for packing etc. Unfortunately I cannot tell you the price for such a sieve at the moment because our lab-lady is away for holidays.

Next weekend I have the chance to go on an excursion of quaternary geology, looking at glaciers, morenes and with a specialist ^(Amman) from Berne we will be informed about pollenanalysis on alpine soil profiles. Of course I look forward to that very much. I hope you are all well. I'm sending my best greetings to all people I got to know in Penn State. Best wishes and love L. Keyhe

means heavy duty 15µ

Frank's
Fuchs

Geologisches Institut

Sonneggstrasse 5
Telefon 01 326211

Postadresse:
Geologisches Institut
ETH-Zentrum
CH-8092 Zürich

Prof. Alfred Traverse
Palynological Laboratories
Dept. of Geosciences
The Pennsylvania State University
University Park, Pennsylvania 16802

Dear Professor Traverse,

Thank you for your letter of May 2nd. Sorry that I had not written the date on my last letter, I remember I was in a hurry to post it as soon as possible.

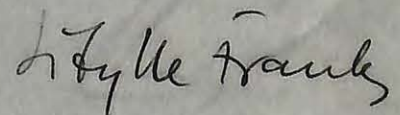
Thank you very much both for the reservation at the Nittany Lion Inn, and your kind offer to stay at your home. As it is my first time in America I am very pleased to have this opportunity and will be interested to see a bit of the American way of life.

I got to know ~~to know~~ that one cannot get samples directly at Lamont, so there is no need for me to go there. But I shall bring of course my own Black Sea samples, I have still quite a few not yet prepared.

We chqued again yesterday by Swissair and have been told that the flight from Pittsburg with Allegheny Airlines 766 (not 760) is OK and apparently no other possibility (or they dont know anything else). I shall arrive at New York 15.40 p.m. by SR 100 and fortunately dont have to change the airport, so I think it is best to keep to that, even if it means a little detour.

Thanks agein for all your efforts. Looking forward to seeing you

sincerely yours



Sibylle Franks

2 May, 1979

Dr. Sibylle Franks
ETH, Geologisches Institut
Sonneggstrasse 5
CH-8092 Zürich, Switzerland

Dear Dr. Franks:

Just got yours undated but apparently of the last week in April. I quickly made a reservation at the Nittany Lion Inn for you, but was startled to learn that they were booked for the 21st and 22nd. Actually, that suits us fine, as we would want you to spend part of the time with us in Huntingdon anyway, so we will have you at our home for the nights of the 21st and 22nd. Possibly you will like it so much that you will want to stay there for more of the time, and it certainly would save you money if that is a consideration. However, to be on the safe side you have a reservation at the Nittany Lion Inn, 23 May through 29 May. You mention possible extra days, and I would say that if that comes up the thing to do would be to return to Huntingdon and stay with us.

I gather from your letter that you will reconfirm the time and flight of arrival. In the meantime, I have it on the calendar for 21 May--Allegheny Airlines flight 760 at 8:40 p.m. However, I'm not sure Allegheny is doing their best for you, and you may want to check up on that. It should not be necessary to come from Pittsburgh. There are direct flights from New York, Philadelphia and Washington, DC. Pittsburgh is 150 miles west of here, and it would ordinarily not be the way to come. There may be something about the connections that I don't know. Looking forward to seeing you, and with very best wishes, I am

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

ETH

EIDGENÖSSISCHE TECHNISCHE HOCHSCHULE
ZÜRICH

S. Franks
Geologisches Institut

Sonneggstrasse 5
Telefon 01 326211

Postadresse:
Geologisches Institut
ETH-Zentrum
CH-8092 Zürich

Prof. A. Traverse
The Pennsylvania State University
Palynological Laboratories
University Park,
Pennsylvania 16802

Dear Prof. Traverse,

Thank you very much for your kind letter with the informations and advices. Please excuse me for not having written earlier, I was away for a two-week Eastern holiday.

As the week of May 21-28 is also suitable to you, I intend to arrive at State College on May 21st, at 20.40 h with Allegheny Airlines 760 from Pittsburg. I will let you know as soon as the flight reservations are OK.

I would be very pleased if you could book me at the Nittany Lion Inn from May 21 to 29 or perhaps two or three days more.

I am looking forward to working with you and thanks again for this opportunity.

With best regards,

Sincerely

S. Franks

12 April, 1979

Dr. Sibylle Franks
ETH, Geologisches Institut
Sonneggstrasse 5
CH-8006 Zürich, Switzerland

Dear Ms. Franks:

It would be fine for you to visit with us here per your suggestion in your letter of 4 April. The best time for us would be the later of the two dates you suggest--viz. 21-28 May, or even spilling over a little into June. Our term ends around 20 May, and by the 21st I should have the exams all graded and the children patted on the heads, etc. At the same time I have some obligations in June with which this would not interfere, so it is actually almost ideal.

Now, about transportation. There are three ways to get to this vicinity from New York. First of all, there is now commuter airline service directly to State College (the town in which Penn State is located--University Park is only the university post office). Allegheny Airlines is in charge of it and can give you complete details. I believe at the moment they actually have one flight or so a day from New York, but this is a new service and I am not yet familiar with it. I know that they have many flights a day from Philadelphia, Harrisburg, and Pittsburgh, and it is easy to get to them from New York. Secondly, it is possible to come once a day by train, by "Antrak". You would get off in Huntingdon, Pennsylvania, which happens to be where I live; however, there is a possibility that this train may be discontinued in the near future, so it would have to be carefully checked. Thirdly, it is possible to get to State College (but not Huntingdon) by bus from the main bus terminal at 42nd St. in New York City. In terms of difficulty, the easiest by far would be to fly directly to State College from New York. Otherwise you have to find your way into town, make transfers, etc. Allegheny Airlines can advise you.

As to housing while you're here. It really depends on your budget. The best idea would be to stay at the Nittany Lion Inn, the University's own hotel on campus. It is close to our laboratory, the library, etc. However, it costs almost as much as an ordinary hotel--something on the order of \$30 a day. We could get you into a lesser cost motel within a rather strenuous walking distance of the campus (local bus service also available) for something on the order of half that

Franks, pg. 2

much. If your budget is minimal, and money is really a problem, you might consider staying with us and commuting over here. We do have room. From the point of view of getting a feel for an American university, which might be something of interest to you, that would not be so much fun, but you certainly are welcome.

I guess the only one of these things I need to know about is the housing, and fairly soon. The rest of it you can handle for yourself. I do hope that when you come, you will find the experience helpful. We feel that we have as good a palynological processing set-up as can be assembled on a university budget-type financing and with not too much help. Looking forward to hearing from you, and with best wishes, I am

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

Eidg. Technische Hochschule Zürich
Geologisches Institut



Ecole Polytechnique Fédérale Zurich
Institut de Géologie

CH-8006 Zürich, 4. March 1979
Sonneggstrasse 5

Prof. Al Traverse
The Pennsylvania State University
Dept. of Geosciences
Palynology Lab.
Deike Building
University Park - Penns. 16802
USA

Dear Professor Traverse:

Ken Hsü told me to write you directly concerning my problems with pollen determination of the Black Sea cores. I am very pleased with your proposal to learn your preparation method at your laboratory. I hope one week or ten days will be sufficient and I would suggest one of the two last weeks of May, either from about 14-21 or 21-28 May. Is this time also suitable for you? I then would have the chance to travel together with one of our colleagues, Fed Giovanoli, who is working on paleomagnetism on Black Sea cores and who will be going to Lamont. At the same time I too could get some more samples to take back with me for preparation.

Is there a possibility for accommodation at your University or elsewhere nearby and what sort of transport would you advise as the best to get from New York to Pennsylvania?

I thank you for your kindness and look forward to hearing from you.

Sincerely,

Sibylle Franks

August 25, 1967

Fidelity Onion Skin
Fratelli Fabbri Editori
Via Mecenate 91
Milan, Italy

Re: Cantab. Fornit. CG/cm

Dear Sirs:

Your letter of 19 July came while I was away in the field.

I am not sure that I understand exactly what is going on, but I am trying.

On 2 May, 1967, I sent you nine color transparencies of fossil pollen grains, intended as samples for your inspection, of the sort that I indicated I could provide in any quantity you desired.

Later I received a letter acknowledging the receipt of the slides, but I never received a letter stating how many slides you wished to purchase.

I believe from your present letter that your intention must be to keep the slides which I sent you on 2 May and pay me for them. I therefore enclose an invoice for \$18. As I stated previously, I can supply more pictures with whatever sort of data on them you might desire, at the prices quoted earlier.

Yours very truly,

Alfred Traverse
Palynologist

AT:kaw

Enclosure: invoice (\$18.00)

I N V O I C E

TO: Fratelli Fabbri Editori
Via Mecenate 91
Milan, Italy

FROM: Alfred Traverse
P.O. Box 967
State College, Pennsylvania 16801

DATE: August 25, 1967

9	Kodachrome transparencies of fossil pollen @ \$2.00	\$18.00
	<u>TOTAL AMOUNT DUE IS</u>	<u>\$18.00</u>

FRATELLI FABBRI EDITORI

S. A. S.

PUBLISHERS - EDITEURS - VERLAG - EDITORES

91, Via Mecenate Milano (Italy)

Telex: 32321 FABBRI

Rif. EF/ldt/bg
(da citare nella risposta)

Milan, May 10th 1967

Mr. Alfred Traverse
Palynologist
P.O. Box 967
State College / Pennsylvania 16801

Dear Mr. Traverse,

We acknowledge receipt
of your letters of March 30 and April 25
with many thanks.

We have received the colour transparencies you kindly sent us for inspection and thank you very much for your cooperation in this sense.

With best regards, we remain

Yours sincerely
Fratelli Fabbri Editori
(dr. Edda Fonda)

E. Fonda

Money?

AIR MAIL

May 2, 1967

Fratelli Fabbri Editori
Publishers
91 Via Mecenate
Milano, Italy

Dear Sirs:

I enclose 9 examples of the type that I told you some time ago I can supply in quantities up to 50 at \$2 each, in quantities of 51 to 75 at \$1.75 each, 76 to 100 at \$1.50 each, 100-200 at \$1.25, more than 200 at \$1.00 each.

The slides I am sending are:

<u>No.</u>	<u>Name</u>	<u>Age</u>	<u>Locality</u>
158a	<u>Densosporites</u> sp.	Pennsylvanian (Carboniferous)	Pennsylvania, U.S.A.
156a	<u>Manilkara longipollinia</u>	Oligocene	Vermont, U.S.A.
178	<u>Hymenozonotriletes</u> sp.	Middle Devonian	Libya, N. Africa
179	<u>Distalanulisporites</u> sp.	Triassic	S. Australia
168	<u>Cyclogranisporites</u> sp.	Devonian	Canada
172	<u>Nuskoisporites</u> sp.	Permian	S. Australia
174	<u>Vittatina</u> sp.	Permian	S. Australia
180	<u>Lunatisporites</u> sp.	Permian	S. Australia
184	Thin section of "tasmanite" oil shale, showing flattened spores that make up the bulk of the shale, which is Permo-Carboniferous in age, from Tasmania		

More detailed information is available for these slides, but I would need to know what sorts of additional information is desired because I have several pages of data for each type.

May 2, 1967

The sizes of the spores and pollen grains are given on the slides in microns. This is done instead of giving magnifications because they are not all photographed at the same magnification and because if published the final magnification will be different.

If you don't want the pictures at the price mentioned, I would appreciate having them returned.

I can supply practically any quantity of pictures of this sort, all geologic ages, from the appearance of spores to the present, all the same quality as these.

Yours very truly,

Alfred Traverse
Palynologist

AT:kaw

Eslecock

Fidelity Onion Skin

100% COTTON

P.O. Box 967
State College, Pennsylvania 16801
U.S.A.
April 25, 1967

Fratelli Fabbri Editori
Publishers
91 Via Mecenate
Milano, Italy

Dear Sirs:

I am sorry that the pressure of other matters has kept me from getting together and sending to you the photomicrographs of pollen that I promised to send. Finally, I have found time to get together the pictures, and you should be receiving them in about a week. Thank you for your patience.

Yours very truly,

Alfred Traverse
Palynologist

AT:kaw

Ref: EF/rc/dg

Enkech

Fidelity Onion Skin

100% COTTON

Esbeck
Fidelity Union Skin
CO. LTD.
March 30, 1967

Fratelli Fabbri Editori
Publishers
91 Via Mecenate
Milano, Italy

Dear Sirs:

Regarding your letter of 14 March: it arrived about three days ago, apparently having been delayed.

I can supply practically any quantity of pictures of the sort we have discussed. The price I mentioned applies to small orders. If anyone were interested, I could supply larger orders at somewhat reduced price.

It is not practical for me to send you "all the transparencies" I could send. Therefore, under separate cover, in a few days, I will send you airmail some examples from which you can decide what to do.

Yours very truly,

Alfred Traverse
Palynologist

AT:kaw

Ref.: EF/rf/dg/

FRATELLI FABBRI EDITORI s. a. s.

PUBLISHERS - EDITEURS - VERLAG - EDITORES

91, Via Mecenate Milano (Italy)

Telex: 32321 FABBRI

Rif. EF/rf/dg.....
(da citare nella risposta)

Milan, 14th March 1967

Mr. Alfred Traverse
Palynological Laboratories
Incorporated Box 967
Statecollege
Pennsylvania

Dear Mr. Traverse,

Thank you for replying to our request
of ektachromes of fossil pollens.

We are interested in receiving in vision
all the transparencies you will send us.

We agree with your prices but before ta-
king a decision, we would like to see the slides.

Thanking you again for the kind coopera-
tion you will reserve us we remain, with our best re-
gards,

Fratelli Fabbri Editori

(dr. Edda Fonda)

E. Fonda

CLASS OF SERVICE

This is a fast message unless its deferred character is indicated by the proper symbol.

WESTERN UNION

TELEGRAM

W. P. MARSHALL
CHAIRMAN OF THE BOARD

R. W. McFALL
PRESIDENT

SYMBOLS

DL=Day Letter

NL=Night Letter

LT=International Letter Telegram

The filing time shown in the date line on domestic telegrams is LOCAL TIME at point of origin. Time of receipt is LOCAL TIME at point of destination

PA11 SSF113

P CDU321 IW7879 LSM239 35/34 PD INTL FR=CD MILANO VIA WUI
2 1015= 1967 FEB 2 AM 7 29

=PALYNOLOGICAL LABORATORIES THE PENNSYLVANIA STATE
UNIVERSITY= UNIVERSITYPARK (PENN);

=RE OUR LETTER 20/1/67 WE ASK YOU PLEASE TO SEND US
SOME EKTACHROMES OR SLIDES OF POLLENS OF FOSSIL
PLANTS FOR OUR SCIENTIFIC PUBLICATIONS REGARDS=

: LIBRIFABBRI FONDA=
LIBRIFABBRI FONDA

TELEPHONE No. 56544TELEPHONED TO Dr. J. S. BurTIME 8:35 AMBY W

TO BE

ATTEMPTS

TO

FILE →

20/1/67=

FRATELLI

CLASS OF SERVICE

This is a fast message unless its deferred character is indicated by the proper symbol.

WESTERN UNION

W. P. MARSHALL
CHAIRMAN OF THE BOARD

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Letter Telegram

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PA32 BB817

1967 MAR 7 PM 8 58

B CDH159 VIA RCA ZCZC WUB1131 TIC0821 LSM0965 4599 =

USNX HL ITMI 041 =MILANO 41 7 1800 :

=LT RP14,63 =PALYNOLOGICAL LABORATORIES THE

=PENNSYLVANIA STATE UNIVERSITY UNIVERSITY PARK PENNSYLVANIA

=PLEASE INFORM US IF EKTACHROMES OF POLLENS OF FOSSIL
PLANTS =REQUESTED WITH OUR LETTER OF 20TH JANUARY AND
CABLE OF 2ND =FEBRUARY ARE AVAILABLE AND LEV T N TUAL
DESPATCH DATE THANK =YOU =

FONDA LIBRIFABBRI

=COL RP14,63 20TH 2ND =

(See attached)

\$ 4.88 reply paid

THE ATTACHED HAS PAID IN THE AMOUNT OF 14,63 DOLLARS OR FRANKS FOR YOUR ANSWER. SINCE THEY DID NOT SPECIFY WHICH HAD TO CONTACT THEM FOR INFORMATION. WILL ADVISE YOU IF DOLLARS OR FRANKS AS SOON AS WE HEAR.

W U TEL CO

MBK

Fossil *Lilium* pollen

Print on

3/8/67

K.A.W.

Ektachromes fossil pollen all ages

available Slider Incorporated Box 967

State College, Pennsylvania, at two dollars
each.

Alfred Traverse

Palynological Laboratory PSU



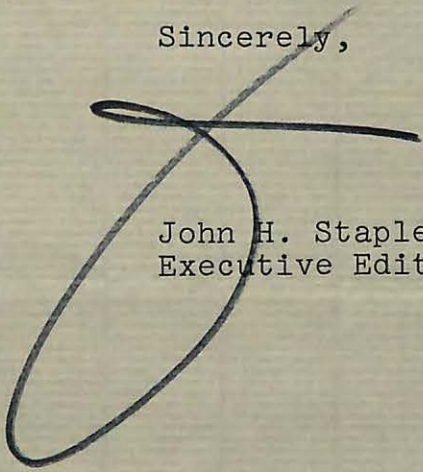
April 12, 1979

Professor Alfred Traverse
Deike Building
The Pennsylvania State University
University Park, Pennsylvania 16802

Dear Professor Traverse:

I thank you for your letter and signed agreement relating to the proposed palynology book. By mutual agreement, we acknowledge the cancellation of the W. H. Freeman publishing agreement for the book and wish you success with another publisher.

Sincerely,



John H. Staples
Executive Editor

JHS:sn

THE PENNSYLVANIA STATE UNIVERSITY

COLLEGE OF EARTH AND MINERAL SCIENCES
UNIVERSITY PARK, PENNSYLVANIA 16802

Department of Geosciences

Palynological Laboratories

Area Code 814

865-2342

6 April 1979

Mr. John H. Staples, Executive Editor
W. H. Freeman & Co.
660 Market St.
San Francisco, CA 94104

Dear Mr. Staples:

This is with reference to previous correspondence between us (yours of 20 December 1977 most recently) re a proposed textbook of palynology which I would like to write. I have not responded further because your earlier letters (e.g., 10 October 1977), based on market evaluation did not offer enough encouragement to stimulate me to take on such a large chore.

In the meantime I have explored the possibility of publishing a "classical approach" textbook with another publisher which handles some scientific textbooks for which there is a relatively modest market.

I believe the correct approach at the moment therefore is to revert to yours of 27 June 1977, which I am signing and returning herewith.

Thanks for your consideration.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et
encl: signed release



660 Market Street, San Francisco, California 94104 Telephone: 415 391-5870

June 27, 1977

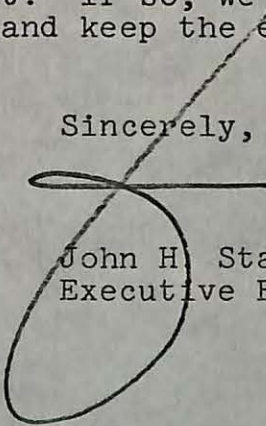
Professor Alfred F. Traverse
Deike Building
The Pennsylvania State University
University Park, Pennsylvania 16802

Dear Professor Traverse:

In reviewing our files we find that in September of 1959 W.H. Freeman and Company offered you a publishing agreement for a proposed book on Palynology.

Given the time interval, apparent inactivity, and the fact that the contract was never signed, it seems realistic to assume that the project no longer interests you and we ask your cooperation in clarifying the status of things. May we assume that it is unlikely that the book will ever be written and that the agreement should be canceled by mutual consent? If so, we ask that you sign and return this letter and keep the enclosed copy for your records.

Sincerely,


John H. Staples
Executive Editor

JHS:ss
Enc.

Yes, I agree that the above-mentioned agreement should be canceled.

Date

Alfred F. Traverse

*signed
and
returned
6-14-79*



December 20, 1977

Professor Alfred Traverse
Department of Geosciences
Palynological Laboratories
The Pennsylvania State University
University Park, Pennsylvania 16802


Dear Professor Traverse:

You are probably correct (after all it's your field) in judging that a stratigraphically oriented palynology text is what the market needs. I agree with Allan Cox insofar as he recommends a fair amount of material on paleoclimatology, but it may not need to be the central theme.

If you decide to proceed with writing a book, we would be very pleased to review two or three sample chapters and then come to a final decision regarding the prospect of our publishing the book. Though promising, the outline and prospectus just doesn't give us enough of a sample to base a decision.

My best to you for the holidays and new year.

Sincerely,



John H. Staples
Executive Editor

JHS:imb

14 December, 1977

Mr. John H. Staples, executive editor
W. H. Freeman & Co.
660 Market Street
San Francisco, CA 94104

Dear Mr. Staples:

I don't believe I have ever answered yours of 10 October regarding the correspondence we previously had about the possibility of a textbook in palynology. The review that you included from Alan Cox emphasized that my proposed outline did not sufficiently ~~emphasize~~ paleoclimatology and implied that this was the major center of interest in the subject. Mr. Cox is not correct about that. The major interest in the paleo aspects of palynology has to do instead with biostratigraphy. However, my own research happens to deal with paleoclimatology in relation to palynology, particularly at the moment in the Black Sea basin; (I was on-board scientist on the Glomar Challenger in their Black Sea work). It would be possible for me, therefore, to write a book on the paleoclimatological aspects of paleopalynology, but that's not what I really want to do at this time. I think there is a call for a textbook to be used for an introductory course in palynology and nothing really satisfactory ~~really~~ exists at the moment. I believe that to the extent I have an interest in doing such a job, it is ~~is~~ stratigraphically oriented book that I would like to put together, so, I guess, it's no deal at this time--eh?

Best wishes for the holidays.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

October 10, 1977

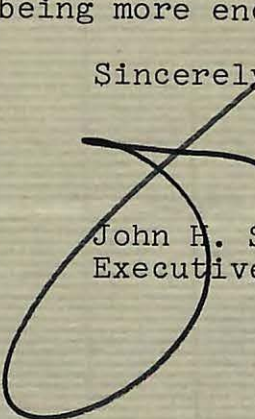
Professor Alfred Traverse
Department of Geosciences
The Pennsylvania State University
University Park, Pennsylvania 16802

Dear Professor Traverse;

Enclosed is a brief report (from Allan Cox, our Academic advisor) on your proposed book on paly-nology. The report is encouraging with regard to the book's content and authorship but raises doubts about its market potential.

If you decide to proceed with writing a couple of sample chapters, we would be happy to review them and hopefully arrive at a more optimistic view of the sales prospects for such a book. In the meantime, I apologize that cost/market realities preclude our being more encouraging.

Sincerely,


John H. Staples
Executive Editor

JHS:imb
Enclosure

5 October 1977

Freeman Co.

To: John Staples
From: Allan Cox
Re: "Fossil Spores" by Alfred Traverse

This looks like a solid text by an established worker. The approach is clearly classical. The excitement in this field derives from the use of palynology to determine ancient climatic conditions, yet this topic is not emphasized and appears to be discussed only in the chapter on Neogene palynofloras. This field is a relatively small part of paleontology and the total number of students in the field is small. Although this would be a useful text with a small but stable market, I would not give it high priority in our program.



September 16, 1977

Professor Alfred Traverse
Department of Geosciences
The Pennsylvania State University
University Park, Pennsylvania 16802

Dear Professor Traverse:

I thank you for sending along the outline and miscellaneous materials pertaining to your proposed book on paleopalynology. It is an impressive plan and we will give it the careful analysis it deserves. My only initial reservation regards the size of the potential market. Over the next few weeks, we will be investigating the sales prospects for a new book on this topic and how your particular orientation seems to appeal to the market.

Sincerely,

John H. Staples
Executive Editor

JHS:imb

XXXXX
865-2342

8 September, 1977

Mr. John H. Staples,
Executive Editor
W. H. Freeman Co.
660 Market St.
San Francisco, CA 94104

Dear Mr. Staples:

Thanks for yours of 22 August. It evoked pleasant memories of conferences with Bill K. in the long ago.

I am not sure if I have done precisely what you had in mind (I have no previous experience with writing up a "prospectus", etc.), but I have written down what seems pertinent to me. Perhaps you can react to it as if it were a draft and come back with a counter punch?

There are many small colleges with unqualified personnel offering courses in palynology, for whom this book would be a godsend. I am certainly one of a handful of people qualified to write it. I hope it happens.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et
encl: outline, etc.



660 Market Street, San Francisco, California 94104 Telephone: 415 391-5870

August 22, 1977

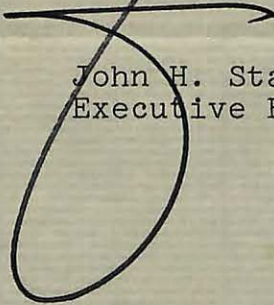
Professor Alfred Traverse
College of Earth and Mineral Sciences
Department of Geosciences
The Pennsylvania State University
University Park, Pennsylvania 16802

Dear Professor Traverse:

I thank you for your letter of August 15, which brings us up to date on your interesting career and the prospect of following through with writing a text on palynology.

Since there have been so many changes in the field (of geology) and, indeed, in book markets and manufacturing costs over the last 18 years, we ask that you let us know more about the book you have in mind prior to our making any kind of formal publishing arrangements. To this end we ask that you write up a detailed outline and prospectus that indicates length, approach, number of illustrations, and how your proposed book will compare with texts (if any) that are presently serving this market. That will be a good start in developing your manuscript and also helping us to judge if it seems appropriate for our list.

Sincerely,



John H. Staples
Executive Editor

JHS:ss

W. H. Freeman

XXXXXX

15 August, 1977

Mr. John H. Staples, Executive Editor
W. H. Freeman Co.
660 Market Street
San Francisco, CA 94104

Dear Mr. Staples:

Your letter of 27 June was somewhat startling to me because I had long ago assumed that Freeman had probably written this matter off. I must admit I didn't recall it was as long ago as 1959 that Bill Kauffman and I discussed the subject.

At the time that we talked about such a book, I was working as a geologist for Shell Oil Company. Not too long afterward I left Shell and went to an Episcopal seminary where I eventually finished and was ordained priest in 1966. During the period while I was in seminary I continued to be active in palynology, even publishing a paper or two, and after my ordination I accepted a job here at Penn State as professor of palynology and have been here ever since, at the same time serving local Episcopal churches on a part-time basis.

To tell the truth, I am really better prepared to write a textbook in palynology now than I was in 1959, and I think that I am probably the guy in the country who is best qualified to do it. I have recently shed the editorship of the Catalog of Fossil Spores and Pollen, and am restricting some of my other peripheral interests as well, and actually am about ready to start putting the thing together based on my lectures for my course in palynology, which I have made a practice of keeping up to date with the idea of producing such a book.

Well, what do you think of all this? Should I go ahead and sign the statement that you sent along, or should we instead be talking about really putting something together and perhaps about my getting some advice from you all as to practical ways to go about doing it? I would really like to take a crack at a book, and your letter may have been the stimulus that was needed. Looking forward to hearing from you, and with best wishes, I am

Yours very truly,
Alfred Traverse
Professor of Palynology
President, ICP

AT/et

W. H. FREEMAN AND COMPANY PUBLISHERS

660 MARKET STREET, SAN FRANCISCO 4, CALIFORNIA • TELEPHONE: YUKON 6-5115

March 26, 1959

Dr. Alfred Traverse
Shell Development Company
Exploration and Production
Research Division
P. O. Box 481
Houston 1, Texas

Dear Dr. Traverse:

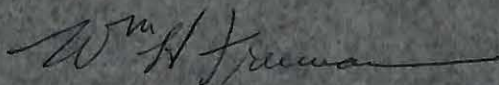
I found your letter of March 11, 1959, on my return. I suggest the following:

My associate, William Kaufmann, lives in the East. (It was he who originally talked with Dr. Barghoorn.) He will be in the East until about mid-August. I am, therefore, writing to him and sending copies of our correspondence so that he may arrange with you, in the light of your schedule for August, a meeting either in New York City, or Montreal.

Ralph Emerson tells me that he will be in Montreal and will be happy to talk with you. While a book in palynology would best be published in our Geology Series (for which Drs. Gilluly and Woodford are the Editors), rather than in the Biology Series (for which Messrs. Beadle, Emerson and Whitaker are the Editors), I know that Dr. Emerson will be glad to discuss with you our editorial goals and procedures.

For the present then I think that we can both let the matter rest until you hear from Mr. Kaufmann.

Sincerely yours,



W. H. Freeman

WHF:imb

January 20, 1972

Freeman Cooper & Company
1736 Stockton Street
San Francisco, California 94133

Dear Sirs:

Regarding a book about which you recently sent me a notice, "Adaptation and Diversity"--this looks to me like something that we might consider adopting for our course in evolution (taught by me and several other people to a fairly large enrollment each fall). I wonder if you could send me a copy to consider for that purpose?

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT/vsi

April 15, 1970

Dr. David G. Frey
Department of Zoology
Indiana University
Bloomington, Indiana 47405

Dear Dave:

A mutual friend, Pete Ogden, tells me that you have a student who is working on pollen and fresh water microfossils from the Black Sea sediments collected by the Woods Hole people. As you may know, we are also taking a crack at the stuff, but I have not been so fortunate as to find a graduate student who would like to take on the work, and I'm trying to do what little I can in my spare time. If the story Ogden gave me is correct, I would find it interesting to correspond with your student about his results. In particular, does he plan to present something at the meeting at Woods Hole on August 3-4? I don't see any harm in a little competition, but I would like to have some idea at least of the scope of what you all are planning to present.

Best wishes to you.

Yours very truly,

Alfred Traverse
Associate Professor of Geology
and Biology

AT:kc

INDIANA UNIVERSITY

BLOOMINGTON, INDIANA

DEPARTMENT OF ZOOLOGY

13 May, 1960

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

Dear Al:

At the recent AAPG-SEPM meetings in Atlantic City, one of the geologists told me that you and Spackman have obtained cores from a sink hole in Florida. This is of great interest to me because this summer I shall begin searching for some lakes in Florida that have a sedimentary history extending well back into the Pleistocene, preferably through at least the last previous interglacial age.

My main interest here is in the Cladocera, which are well preserved in lake sediments. At present there are two rather distinct assemblages in the U. S.—a northern and a southern. To the extent that their distributions are correlated with latitudinal climate, one might expect the southern species to have been replaced wholly or in part by the northern species during the glacial ages, if the climatic depression was sufficiently great. At any rate, that is the general thesis of the problem that we shall tackle.

Pollen analyses will have to be made as well. I hope to enlist the aid of Don Whitehead in this, although I realize full well I may have to do the work myself.

The purpose of this letter is to learn if you already have indication that any of these basins are as old as I desire, and also to learn if perhaps you yourself are tackling the pollen succession in the sediments. This would certainly be a logical follow-up of your work on the Brandon lignite. If you are interested in this region and this general problem, there is even the chance we might cooperate in the analysis of one or more cores: we would pay attention primarily to the animal remains and interpretation of the paleolimnology of the basins. What's your reaction to such a proposition?

At any rate, I hope that you will be able to give me some advice as to likely areas to tackle.

Cordially,



David G. Frey
Professor

DGF:cdg

May 24, 1960


Professor David G. Frey
Department of Zoology
Indiana University
Bloomington, Indiana

Dear Dave:

Your letter of May 13, 1960 was much enjoyed. I believe that the coring about which you heard was done in 1954 in Mud Lake, Marion County, Florida, by Spackman and me. The exact location, etc. were published by Spackman on p. 13 of Annual Progress Report, April 1, 1954-March 31, 1955, An Investigation of the Mineralogy, Petrography and Paleobotany of Uranium-bearing Shales and Lignites, Scope B - Lignites (NYO-6069) A.E.C. As I remember, we got down to about twenty feet, but there is supposed to be 40-plus feet of sapropelic peat in the sink. It is a most interesting locality. I have no C^{14} dates on the bottom peat, but I wouldn't be surprised that it would answer to your requirements.

I much appreciate your invitation to join you on this project but that sort of thing is difficult for me to arrange, and I shall have to be content with informal contact with you--I certainly would appreciate being informed about your progress. I still am interested in Mud Lake.

Very truly yours,


Alfred Traverse

AT:mpd

bc. Dr. Traverse
Dr. Higgs
R file

July 1, 1958

Professor David G. Frey
Department of Zoology
Indiana University
Bloomington, Indiana

Dear Dave:

In case you've given up on me, this is to say that the mimeographed programs should be in your hands very soon. I'll send you 75 copies. I just submitted the manuscript for reproduction, and it looks like a good program. I note that you and I have a couple of minor differences of opinion--one is rather amusing. I had systematically changed the Penn State people's address from University Park to State College. This pedantry on my part is based on the observation that University Park is a fiction as a place, being only used at the postal station. Penn State is geographically still in State College. You changed to University Park, and I have changed 'em back. But you can laugh last.

You asked in yours of 29 May for a "list... of persons in the Paleobotanical Section who are also on our mailing list for the pollen conference." This I'd be glad to send, but how do I know who's on your list? How about sending a copy of your list return mail and we'll check off the names of P. S. members. I agree that it's a pity to waste effort by sending programs to the same people twice! At the moment, the P. S. list is being revised, and I'm not in a position to send our complete list.

See you in a few weeks!

Very truly yours,



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

AT:mlb

Region V
Box LL, University Station
Grand Forks, North Dakota

May 4, 1954

Air Mail
Special Delivery

Dr. David G. Frey
Department of Zoology
Indiana University
Bloomington, Indiana

Dear Dr. Frey:

Many thanks for the reprints of your papers on the Carolina "bays". I am much interested in the bays because of their similarity to the basins in which some lignites were deposited.

I would very much like to have lantern slides of Fig. 1 (Aerial photograph of Singletary Lake, etc.) and Fig. 6 (Part of the row of cypresses, etc.) from your paper, "Evidence for the Recent Enlargement of the 'Bay' Lakes of North Carolina," Ecology, vol. 35, 1954. The lantern slides are for use in a talk to a conference here early next week.

Would you be willing to have lantern slides of the two figures made and rushed to us? The photographic service at the University can bill us for the slides and shipping (air mail, special delivery).

Thank you for your help. I am also hoping you will be willing to comment on the "dinoflagellates" listed in the analyses given in your very interesting 1953 paper in Ecological Monographs. My interest stems from a find of probable flagellates in a lignite deposit.

Very truly yours,

AT

Alfred Traverse
Coal Technologist

ATraverse rvp
cc: Region V
Lankford
File 625.1
C File
✓Traverse

XXXXXXX
863-3419

12 November, 1981

Dr. Else Marie Friis
Geologisk Institut
Aarhus Universitet
8000 Aarhus C - Danmark

Dear Else Marie:

How nice to receive the packet of reprints from you--I am reading your paper on the UK flowers as Betty drives the 40 km. from our home to my office. By odd coincidence, Dave Dilcher arrives from Blmington in a couple of hours to be our guest, and to give a lecture on his Cenomanian flowers.

All the best--and to Kaj also.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

P.S. Why, if Empetrum is Empetrum in the Miocene, isn't Tilia, Tilia?

February 27, 1958

Dr. Wayne L. Fry
Department of Paleontology
University of California
Berkeley 4, California

Dear Wayne:


Good to hear from you again. You didn't mention the state of your health, which has been of much concern to me after your news of several months ago. I presume that no news is good news.

Re palynology and the Montreal congress: how about strictly paleobotanical palynology? There will be a paleobotanical program at the meetings, won't there? By the way, I am tentatively planning to participate in the northwestern field trip. Do I deduce correctly that you will be one of the leaders? That would be fun.

Re your letter from our mutual friend, Norman Hughes. The system to which he refers has been in use for years and does no harm since publication is not involved. It's the only sensible approach for the volume of unpublished material that must be dealt with.

Regards to Professor Chaney, if you happen to see him. But tell him he promised to send me some Metasequias and hasn't done so!

Very truly yours,


Alfred Traverse

AT:hmp

Shell Development Company
Exploration and Production Research Division

Region V
Box LL, University Station
Grand Forks, North Dakota

July 28, 1954

VIA AIR MAIL

Dr. David G. Frey
Zoology Department
Indiana University
Bloomington, Indiana

Dear Dr. Frey:

Your very nice letter of July 26 came today, and I am sorry that a follow-up note from me crossed with it in the mails. I am delighted to get a copy of the fine photograph that you sent. I hope that you will not be inconvenienced by giving it to me.

Thanks for further information about the Singletary Lake photo. We can now order copies of the item.

Enclosed is a copy of the preliminary report on my Brandon lignite studies, as per your request. The monograph on the palynological investigation of the lignite is in the course of preparation for publication. The work was begun under Barghoorn's direction at Harvard.

The dinoflagellate find is indeed unique, since the occurrence of such creatures in organic sediments is rather of a novelty. As far as I know, they have never been reported from coal before. But there is a rather large group of papers on fossil flagellates in siliceous rocks, principally by the German, Wetzel, and the Frenchman, Deflandre.

Thanks again for the photo and for the information. I will continue to enjoy hearing about your work with the "bays".

Very truly yours,



Alfred Traverse
Coal Technologist

Enclosure

ATraverse:vh

cc: Region V
JDLankford
→ ATraverse
File 625.1
C File

INDIANA UNIVERSITY

BLOOMINGTON, INDIANA

DEPARTMENT OF ZOOLOGY

July 26, 1954

Mr. Alfred Traverse
U.S.D.I., Bureau of Mines, Region V
Box 11, University Station
Grand Forks North Dakota

Dear Mr. Traverse:

Since receiving your letter of June 17th, I have attempted to locate the negative of photograph 6 in my recent paper without success. As the best substitute for the negative, therefore, I have sent you under separate cover a photographic enlargement from this negative which you may use as you see fit.

With regards to the aerial photograph of Singletary Lake published in the same paper, I can advise you that it is from exposure 8-105, symbol ACE, which was made by the U.S. Department of Agriculture in 1948. A copy of this photograph as I am sure you are aware, is obtainable at a nominal charge through the Production and Marketing Administration of the U. S. Department of Agriculture in Washington, D. C.

I am very excited to learn that the Tertiary deposits in Vermont that you have been studying are very similar to the Carolina Bays in the matter of sediments. I have known of some of this work through the reports and publications by Barghoorn on the Brandon lignite. Are your studies related to his? I am most anxious to obtain copies of any papers you have published on this matter, or references to papers that others have published.

It is also extremely interesting to me that the dinoflagellate you have found in these Tertiary beds is apparently the same species which I found in the Carolina Bays. It is all the more interesting because there are virtually no records of fossil or sub-fossil dinoflagellates.

Sincerely yours,

David G. Frey

David G. Frey
Assoc. Professor

js

March 28, 77

Dear Alfred,

Ah! So there you are! Surely now..... a pine cone 'tis! (L.C. of 4/3)

Your letter to the L.C. brought back fond memories to one graying vicar way out in mid-America — memories of a brilliant Harvard grad off to Oxford — and a freckly faced kid who thought he might one day become a priest like the lovely old man who was his vector. (old?..... well, probably about my age now). Isn't it interesting how the Lord has sent us from that sleepy little corner of Michigan to where we are now?

Now and then our mothers get together — and Mom fills me in a bit — but thought I'd "jiggle" your memory corner a bit — as you did mine.

Fondly,

Jack +

~~Vicent~~

TRINITY



The Very Reverend John J. Fricke, II
Dean

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

30 October, 1987

Professor Gerald M. Friedman
Department of Geology
Brooklyn College, CUNY
Brooklyn, NY 11210

Dear Gerry:

The samples from you and Dr. Kopaska-Merkel have arrived--thank you!

You will recall that at Calgary I discussed with you the statement in your talk that you had an "anthracite layer" from the Catskill front. I was hoping for some of that. However, my doctoral student, Andy Schuyler, is going to scrape up some of the black organic matter from the samples and do a vitroinite R on it. We have read your paper in Geology of course. East Windham is one of our palynological localities. We find a well preserved and abundant palynoflora in the Oneonta Fm. at this locality--the organic material from that evidence could not be of higher rank than the medium volatile/low volatile bituminous interface. Something is wrong.

It was good to see you, meet Mrs. F. and learn a little about NSF, Inc. (not to be confused with that other NSF). Best wishes.

Yours very truly,

Alfred Traverse ✓
Professor of Palynology

AT/et
cc: D. C. Kopaska-Merkel
A. Schuyler

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

29 September, 1987

Dr. William Friedman
Department of Botany
University of Georgia
Athens, GA 30601

Dear Dr. Friedman:

As it turned out, I used only one of the three slides you lent me. I had equivalent slides to the others in my collection. That one, I am having copied for use in the palynology course. Then I'll send the three back to you. Many thanks!

Enjoyed your lecture here very much.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et



Department of Geology

Sept. 28, 1987

Dr. Alfred Traverse
Palynological Laboratories
Deike 435
University Park, PA 16802

Dear Dr. Traverse:

At the Devonian Conference you requested some of my plant material from the Catskills for identification. The enclosed material comes from East Windham and has been described in Johnson & Friedman (1969) and Friedman & Sanders (1982).

It was good to see you this summer.

Best regards,

Sincerely,

Gerald M. Friedman
Professor of Geology

November 28, 1967

Mr. Thomas A. Friend
The Philadelphia Bindery, Inc.
Lehigh Avenue at Third
Philadelphia, Pennsylvania 19133

Dear Mr. Friend:

It was good to hear from you about the possibility of your replacing our current supplier of covers for our publication.

In the attached package is a copy of one of our volumes, so that you can see the sort of cover we are now using. I believe you can easily see that our subscribers are on solid ground when they complain that it is difficult to keep a series of these volumes on a shelf--they slump all over the place. Indeed, some of our subscribers have invented various sorts of cabinets with separate slots for the volumes. I believe even they would trade their inventions for copies of the Catalog that stand up. And yet we feel committed to the multiple hole format because of the necessity of compatibility--some subscribers move the pages around from volume to volume. The first 27 volumes of the Catalog have been in the limp covers such as the example you have before you. Volumes 28, 29, and 30 will be in a similar binder but made of much thicker and heavier plastic that we hope will stand on shelves. They are, perhaps unfortunately, already on order. I do not feel committed to anything except that we must stick to the same multiple hole format in the pages. Some of the items on p. 5 of your catalog look very promising to me. Perhaps after you have meditated about our problem you can make some concrete suggestions. At that point it might be good to have somebody call on us with samples. If it seems important, I could visit your office to confer about this matter.

Since we sell the copies of the Catalog for \$25, I naturally would appreciate your returning the "sample".

Yours very truly,

Alfred Traverse
Editor
Catalog of Fossil Spores and Pollen

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

20 November, 1994

Dr. Else Marie Friis
Department of Palaeobotany
Swedish Museum of Natural History
Box 50007
S-104 05 Stockholm, Sweden

Dear Else Marie:

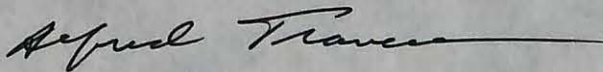
Thanks for the summer greetings, which came in June. They're also from Kaj, but the return address was yours. Hi to Kaj also.

I have just read the papers with great interest. I'm doing a second edition of my Paleopalynology and hope Kaj will let me use a couple of those pictures later on!

Don't be too surprised if Betty and I show up in Stockholm one of these years. Penn State has found a way to make me retire, and although I don't intend to go out to pasture just yet, there will be more time for travel. I haven't been to Scandinavia for nearly forty years, so it's time.

I'm not sure my papers are of interest, but just in case, I enclose a few.

Yours very truly,



Alfred Traverse

encl.:reprints

3 October, 1986

Dr. Else Marie Friis
Geologisk Institut
Aarhus Universitet
8000 Aarhus C, Danmark

Dear Else Marie:

Thanks very much for the two papers on Cretaceous flowers. The paper from the Neil Bohr Centenary volume was especially helpful to me re references to dispersed pollen similarities, but the papers in general interested me far beyond that, of course.

In the Rev. Pal. Pal. paper you say "The pollen...may be referred to.... Tricolporites..." This is true, of course only when found dispersed. Your fossil grains are Actinocalyx pollen, of course.

Best to Kaj.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

29 December, 1982

Alfred Traverse, 435 Deike

Mrs. A. L. Frisbey, 111 Kern

Just a note to let you know how very much I appreciated your kind help at a pressure-filled time, with my new student, Volkan Ediger. You obviously do an outstanding job and are a very valuable person on the Penn State scene..



United States Department of the Interior

GEOLOGICAL SURVEY
RESTON, VA. 22092

*Al Traverso - FYI.
Will you attend? A.P.*

Correspondence

In Reply Refer To:
Mail Stop 926

January 20, 1987

MEMORANDUM

To: Interested Parties
From: *A. J. Froelich* and *G. R. Robinson* - Project Coordinators
Subject: Early Mesozoic basins of the eastern U.S. projects of the U.S.G.S., results and plans

USGS Early Mesozoic basins studies Summary of Progress (FY 86) and Plans for FY 87

The fourth year of project activities at the U.S.G.S. studying the eastern U.S. Triassic-Jurassic basins brought most of the regional reconnaissance-level geophysical, geochemical, and geological field studies and regional map compilations to completion. The focus of research shifted to local topical studies following up on promising research leads and to more detailed studies of specific anomalies. For example, two core holes were completed that penetrated two separate olivine-normative diabase sheets in the Durham basin of North Carolina in 7 1/2 minute quadrangles that were geologically mapped this past year under the COGEOMAP program. Also, a detailed geochemical and stratigraphic study of black shale-hosted stratiform base metal mineralization was begun in the Culpeper basin, Virginia. Additional infill geologic mapping was carried out in the "narrow neck" area between the Gettysburg and Newark basins in Pennsylvania, and core through most of the Jurassic section of the Newark basin of northern New Jersey is being studied in cooperation with the U.S. Army Corps of Engineers.

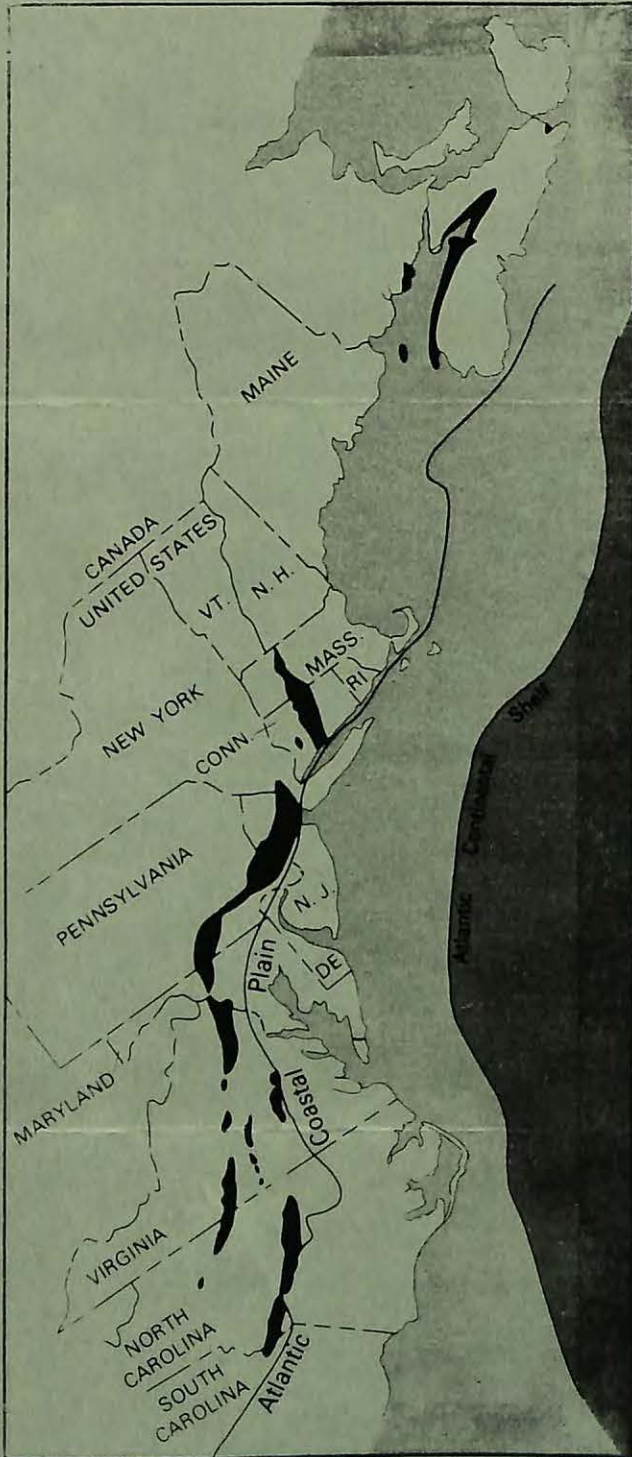
Several project members participated in talks and poster-sessions on source-rock characteristics and thermal maturity of eastern early Mesozoic strata at the Second McKelvey Forum on Sedimentary Basins at the U.S.G.S. Center in Denver, and Lisa Pratt and Christine Turner-Peterson of this project were honored for Mesozoic contributions at the AAPG National Convention. Project personnel at Reston conducted an AIME field trip oriented toward representative mineral occurrences in the Culpeper basin of Virginia. The bibliography of Early Mesozoic geology of the eastern U.S. was published as U.S.G.S. Bulletin 1688.

The annotated bibliography containing over 1500 references is also available on IBM-PC compatible diskettes with software to sort references by key words. Contact G.R. Robinson (703) 648-6333 about arrangements to receive the computer files. In cooperation with the National Research Council, Dr. Jean Crespi joined the project in September, 1986 as a post-doctoral associate to gather and synthesize structural data in all of the Mesozoic basins as background for a regional analysis of the tectonic setting of the Newark rift system.

Most project personnel ended the fiscal year preparing research papers for inclusion in a planned U.S.G.S. bulletin on studies of the Early Mesozoic basins of the eastern U.S.: Proceedings of the Third U.S.G.S. Workshop. The workshop is planned to be held at the U.S.G.S. auditorium in Reston from May 11-16, 1987. We encourage all the eastern State Geologists, interested representatives of State Surveys, University professors, and representatives of industry to attend this workshop. We expect to present the results of recent research in about 30 or more talks and poster presentations covering a wide range of subjects: organic geochemistry, sedimentology, stratigraphy, structure, geochemistry, petrology and petrography of igneous rocks, mineral deposits, occurrences, and ore-deposit models; geophysics, mainly gravity, magnetics, reflection seismic, and remote-sensing. We expect to have one or two post-meeting field trips in the Culpeper basin if interest is adequate. We hereby extend an invitation to each of you and to any geologists on your staff interested in Early Mesozoic basins to attend the workshop.

Enclosed is a preliminary questionnaire to assist our planning. For those intending to attend, we will send a second announcement in early April finalizing details and including a program, so that if you cannot attend the entire workshop, you can select the sessions of most interest to you. We look forward to seeing you in May.

GEOLOGY OF THE EARLY MESOZOIC BASINS OF EASTERN NORTH AMERICA



A WORKSHOP JOINTLY SPONSORED BY
THE U.S. GEOLOGICAL SURVEY AND
THE VIRGINIA DIVISION OF
MINERAL RESOURCES

MAY 11 - 14, 1987

AUDITORIUM, USGS NATIONAL CENTER
RESTON, VIRGINIA

PARTICIPANTS LIMITED TO 100 PEOPLE

TOPICS PRESENTED IN AN INFORMAL
INTERACTIVE SETTING:

- o Regional Stratigraphic Correlation
- o Thermal Histories of the Basins
- o Hydrocarbon Potential
- o Geochemistry and Petrology of Mesozoic
Diabase Sheets and Dikes
- o Structural and Tectonic Setting of
the Basins
- o Geophysical Models / Seismic Sections
- o Stratabound Base-Metal and Uranium
Mineralization
- o Base- and Precious-Metals in Igneous
and Thermally-Altered Rocks
- o Hydrothermal Veins

**** SEE REVERSE SIDE ****

The purpose of this meeting is to provide an overview of the results of research activities on the early Mesozoic basins of the Eastern United States. This research has been sponsored and funded, in part, by the U. S. Geological Survey. The meeting will be informal and present information in an interactive setting. Due to space limitations, the workshop is limited to the first 100 participants who apply and send in the registration fee.

-- REGISTRATION --

There are registrations for both the meeting and fieldtrips. The meeting fee of \$15.00 includes:

- 1) coffee, tea, and donuts on morning and afternoon breaks, and
- 2) all registration materials.

Attendance is limited to 100 participants. -- Send your reply form (below) now to: Mrs. Jean Flynt, 926a National Center, U.S.G.S., Reston, Virginia, 22092

-- LODGING --

A block of rooms has been reserved at the Comfort Inn, 3 miles from the USGS National Center, and will be available to workshop participants at the special government rate of \$53.00 per double room. Attendees are requested to arrange their own lodging. Reservation inquiries should be addressed to: --Jeffery P. Mason, Comfort Inn 200 Elden Street, Herndon, Va. 22070 (703)-437-7555

Monday, May 11, 8:30 am. - 5:00 pm.

- o Registration
- o Opening Remarks
- o Sedimentary Rocks
- o Organic Geochemistry
- o Sedimentology and Stratigraphy

Tuesday, May 12, 9:00 am. - 5:00 pm.

- o Jurassic Igneous Rocks
- o Tectonics and Geophysics
- o Geochronology

Tuesday, May 12, 6:30 pm. -

- o Dinner, Speaker, and Cash Bar: \$15.00

Wednesday, May 13, 9:00 am. - 5:00 pm.

- o Mineral Resource Studies
- o Regional Syntheses
- o Closing Remarks

Thursday, May 14, 8:00 am. - 6:00 pm.

- o Fieldtrips
 - 1) Basalt and Diabase, Culpeper basin
 - 2) Mineral Occurrences in Sedimentary Rocks, Culpeper basin.

Interested parties unable to attend the workshop and wishing to obtain more information on the research program are urged to contact Gilpin R. Robinson, Jr, 954 National Center, U. S. Geological Survey, Reston, Virginia 22092.

REGISTRATION FORM

Name: _____ Meeting Fee ----- \$15.00
 (Last) (First) (Initial) Tues. Dinner,
 \$15.00/person -----
 Affiliation: _____ Total enclosed _____
 Address: _____
 _____ Zip Code _____
 Phone: _____
 (Area Code)

*Note: Payment must accompany form

Make check payable to USGS Workshop

Fees must be received by April 15. No refunds after May 1.

Please mark appropriate boxes

*** Mail registration form and checks to:

I plan to attend the Tuesday Dinner yes no

Mrs. Jean Flynt
926a National Center
U. S. Geological Survey
Reston, Virginia 22092

I plan to attend fieldtrip #1 , #2 , neither



United States Department of the Interior

GEOLOGICAL SURVEY
RESTON, VA. 22092

In Reply Refer To:
Mail Stop 926

August 18, 1986

MEMORANDUM

To: All non-USGS participants, Early Mesozoic basins Symposium,
May 11-15, 1987

From: Al Froelich, Rob Robinson, John Watson

Subject: Gentle reminder, U.S.G.S. Bulletin papers due in Reston
September 15, 1986

With summer 1986 rapidly drawing to a close, we hope that all of you have been making good progress with prose and illustrations. Because of the great number of papers due in for review, we hope that all of you can submit your report on time, even if some of the illustrations are not quite finalized. We would like to have mock-ups of all of the papers, tables, and figures in order to finalize the publication format. Please refer to the attachments to the June, 1986 memorandum for technical specifications of type and illustrations.

Reports should be sent to: John Watson, U.S. Geological Survey
National Center, Mail Stop 903
Reston, Virginia 22092

If you are having an problems, have lost the specifications attachments, or need a sympathetic shoulder to cry one, call John at (703) 648-4333 or Rob at (703) 648-6333.

22-1111-86

Dear Al - just tried to phone,
got no answer. What is this
about?! We have no
recollection about this and find
nothing in the files. Yikes!

15 April, 1985

Dr. Albert J. Froehlich
U.S. Geological Survey
National Center, MS 926-A
Reston, VA 22092

Dear Al:

The return receipt on my abstract came back, showing delivery on the 8th (!). It was postmarked in Newark, NJ (!) on 3 April and in Boston, MA (!!) on 4 April. I do hope everything was o.k., with it a week late. I should have read it over the phone on the first. It was ready on Friday, 29 March, but I note was not actually taken to the P.O. until early on Monday, 1 April, but was postmarked then. Hmmm. (See enclosed xerox.)

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et
encl: xerox

8-14-85

I should to say that to you sent,
certified mail/

TO Alfred

DATE Apr. 5 TIME 1:44
1985

WHILE YOU WERE OUT

M. Al Froelich

Of USDS - Reston

Phone _____

TELEPHONED PLEASE RETURN CALL

CALLED TO SEE YOU WILL CALL AGAIN

RETURNED YOUR CALL RUSH

MESSAGE He has not rec'd
your Alst. for Eastern
AAPD. It is overdue.
He is holding a slot open
for you. Get it to him
right away.

Signed

Judith Karol
Orinda

The Standard Register Company



United States Department of the Interior

GEOLOGICAL SURVEY

21 March, 1985

Dear Al,

Enclosed herewith is the Announcement soliciting abstracts for S.E. AAPG in Williamsburg in Nov. Most specific data you requested are on the back of the flyer, and almost nobody turned it over! As the deadline for Abstracts is only 3 weeks away, I'll rush this hand-written note to you poste-haste, so please excuse no typing.

Your title is perfect now. Send the Abstract directly to John Rees at U.S.G.S., but I'd appreciate a copy.

We'll do our best in Morocco, if we get there. Travel arrangements are difficult, to say the least.

Best regards,

Al Frielich



ONE HUNDRED YEARS OF EARTH SCIENCE IN THE PUBLIC SERVICE

15 March, 1985

Dr. Albert J. Froelich
U.S. Geological Survey
National Center, MS 926-A
Reston, VA 22092

Dear Al:

Yours of 5 March just opened--you'll wonder why I didn't refer to it in my last!

Change you suggest in title is o.k.--but how about just plain 'rocks', eliminating "various"? and changing "into"?

"Paleopalynological insights on the dating of Newark Supergroup rocks, and their correlation with European sections."

I still need more info on the abstract--length constraints, to whom to send, anything else I need to know. Then I'll write it immediately and ship it off to whomever.

The dating with spores depends ultimately on correlation with ammonite-controlled horizons in central Europe. (Ultimately, I would think control from radiometric dates should be possible.) Not only can we say "Carnian", but what part of the Carnian, and precision is getting better all the time. I have Fundy Basin evidence, as you know--I sent a copy of my abstract. The older stuff could very well be Ladinian instead of early Carnian, as I at first guessed.

I have not looked at Morocco stuff. Cousminer has. Nevertheless, it would be interesting to have a few samples for reference (even Harry I believe would not claim that nobody else can look). Collect gray to dark gray siltstones or even light gray siltstones with organic flecks. Avoid brown and red. Black is possible but not as good as dark gray. Silt size particles are essential (best field test: the teeth).

Hoping to hear from you re the abstract question ASAP.

Yours very truly,

Alfred Traverse
Professor of Palynology

12 March, 1985

Dr. Albert J. Froehlich
U.S. Geological Survey
National Center, Mail Stop 926
Reston, VA 22092

Dear Al:

Good news, I believe. Steve Schamel said as we were breaking up in New Orleans last week that we have Texaco management approval to do whatever we like with our data. I am still a little puzzled because a lower echelon Texaco geologist told me (more or less simultaneously) the reverse! Clearly Steve knows what he's talking about, and he is my link anyhow, so I believe it's go.

So now I need to hear from you per mine of 19 February, re title suggestions, plus whatever I need to know about abstract-deadline and all that.

Best regards, as ever.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et



United States Department of the Interior

GEOLOGICAL SURVEY
RESTON, VA. 22092

In Reply Refer To:
Mail Stop 926

March 5, 1985

Dr. Alfred Traverse
Professor of Palynology
College of Earth and Mineral Sciences
Palynological Laboratories
435 Deike Building
University Park, Pennsylvania 16802

Dear Dr. Traverse:

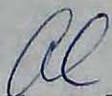
Thanks for your note of 19 February, 1985. The title sounds splendid, but I'd like to make a pedantic suggestion; if it's O.K. with you, could we call the "Newark Supergroup sediments" either "strata" or "sedimentary rocks?" Abstracts are due in around April 1 (appropriate date for us?), and the proposed title is certainly broad enough for you to "wheel and deal" us some quick generalizations that can be fleshed out by November. I'll probably be the Mesozoic Abstracts reviewer, so as long as you string together a few sentences that you can live with in print, there should be no problem.

Our initial tabular summary is based largely on what you and your students have assembled over this past decade, thus we'd never consider your contributions "miniscule," any more than we'd consider that we yet have Triassic-Jurassic stratigraphy "nailed down."

Along this line and based on palynology, would we be able to know with certainty whether or not we had early Carnian, Ladinian, Anisian or Seythian in the eastern U.S.? Paul Olsen believes he had Ladinian and possibly older strata in the Fundy basin based on faunal evidence, but could we get (or do we have) floral evidence? If we got it would we recognize it, based on European spores and pollen? Have you ever examined any Moroccan spores? We may get over there in a few weeks and could try to obtain some likely palyniferous specimens if it's not already been attempted by Cousminer and Manspeizer.

Hope your meeting with Steve S. and Texaco goes well. From what Itzak Cornfeld says, interest is growing tepid, thus they may be more amenable to release of data now.

Best regards,


Albert J. Froelich

19 February, 1985

Dr. Albert J. Foelich
U.S. Geological Survey
National Center, Mail Stop 926-A
Reston, VA 22092

Dear Al:

Thanks for yours of 2 February and the interesting chart. It looks as though you all have it all so nailed down that my few little contributions are miniscule indeed.

For a title for November, how about: "Paleopalynological insights into the dating of various Newark Supergroup sediments, and their correlation with European sections".

This is just a preliminary idea, broad enough to allow me later wheeling and dealing. Could you suggest changes? Are you in a position to accept the title? When (ye gods) is an abstract due (I believe you discussed that over the phone, but I don't recall exactly what you said!).

There is a conference in New Orleans 7-8 March re the Texaco project. I'll be there. Steve S. believes that release of data for publication will ensue. In any event, I could still have something for the November session, based on our other work.

All the best.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et



United States Department of the Interior

GEOLOGICAL SURVEY
RESTON, VA. 22092

In Reply Refer To:
Mail Stop 926

February 2, 1985

Dr. Alfred Traverse
Professor of Palynology
The Pennsylvania State University
Deike Building
College of Earth and Mineral Science
University Park, Pennsylvania 16802

Dear Al:

Thanks for your letter of January 28, 1985. I understand fully the tribulations of year-end and year-beginning burdens, as we still haven't fully accustomed ourselves to the budgetary restraints of fiscal year 1985 - and that started October 1, 1984. I am delighted that you will be at the Williamsburg meetings and I expect a nearly full house of "Friends of the Newark." We will have at least one informal session as we did at G.S.A. in Washington, and I hope our nearest host, Bruce Goodwin of William and Mary, will find suitable assembly quarters for one evening (perhaps an A.D. 1700-style stable).

I hope Steve Schamel and Texaco are agreeable for you to share your new palynological insights with all of us. Not only do I believe you have "interesting stuff," I think it is very important that it be incorporated in our planned Newark Supergroup basin-wide correlation table (draft enclosed). So far, Paul Olsen and I have a rough tabular (*encl.*) summary incorporating Cornet's and Olsen's age determinations, reconciled to the most reliable geochemistry and $^{40}\text{Ar}/^{39}\text{Ar}$ ages of basalts and diabase. I hope you will participate in this U.S.G.S. effort, as we hope the Triassic-Jurassic stage boundaries limiting formations and groups will be reliable and stand forever, thereby constraining our intra- and inter-basinal correlations, enabling us to correlate regional and local tectonic and stratigraphic events with confidence.

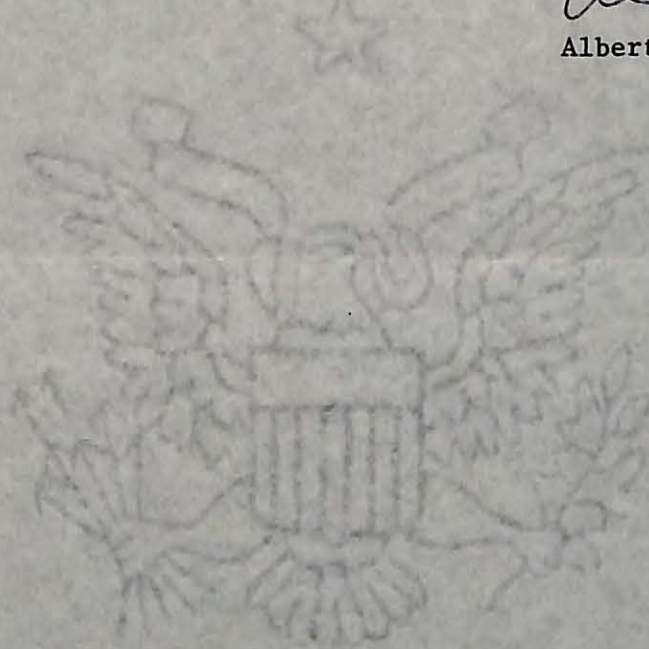
With this in mind, my personal preference for your AAPG talk would be for a summary of regional high points, especially as they relate to maximum and minimum ages, or new precise dates of previously poorly-constrained units in any or all basins. I would also be interested in the new results from any particular basin that help to solve previous stratigraphic enigmas or constrain rates of deposition. In fact, your discovery of Late Carnian spores in the Manassas Sandstone of the Culpeper basin did more to improve our correlations and understanding in 1984 than anything since Bruce Cornet's 1977 thesis!

In closing, I leave you a free hand in selecting a title. Would it be any help for me to call Steve? He always seems most agreeable, but apparently Texaco may have some objections to publication; if so, we all suffer, including Texaco, as the dissemination of new knowledge always leads to more by others. Please tell Steve we'd love to have him present a summary of ESRI's regional Newark Study on any aspect also. Please call me at (703) 860-6421 as soon as you know something definite.

Yours truly,



Albert J. Froelich



8391

Al Froelich

In Reply Refer To:
Mail Stop 926

December 11, 1984

Memorandum

Hi Al -

To: Potential Participants, Tr-J basins

From: **Al Froelich** *AlF*

Subject: Call for papers--Eastern Section AAPG November 1985 meeting

Enclosed is the initial announcement for the above meeting. Bruce Goodwin of William and Mary, Jerry Wilkes of the Virginia Division of Mineral Resources, and Rob Weems, Joe Smoot and I (to a lesser extent) of the USGS are planning to lead a Triassic-oriented pre-meeting field trip through the Richmond and Taylorsville basins. We hope that many of you will attend. At the meeting, if response from you so warrants, we would like to have a symposium or session on early Mesozoic basins of eastern North American, onshore, both exposed and concealed, and offshore.

This note is the first solicitation of proposed titles for papers you may plan to present. Your prompt response, either declining or with title or subject, will enable us to plan for a Newark Supergroup session. Please drop me a note at MS 926, National Center, U.S. Geological Survey, Reston, Va., 22092, or call me at (703) 860-6421. Leave a message with your name and proposed title with my secretary if you can't reach me. We hope to see you all in Williamsburg. Have a good Christmas!

Thanks for your note of 5 Dec. Hope you'll be able to make it to Williamsburg where we'll be sure to convene a Friends of the Newark session. Talked to Steve Schamel and he hopes to talk to Texaco and try to get O.K. for you to discuss most recent paleogeological results in the early Mesozoic basins. Prand him if he forgets, would dearly love you to give a talk at Eastern AAPG.

Best regards,
Al Froelich

5 December, 1984

Dr. Albert J. Froelich
U.S. Geological Survey
926-A National Center
Reston, VA 22092

Dear Al:

Thanks for your note of (ye Gods) 1 November. I was a bit upset by the Nadon and Middleton paper, as it utterly ignored my work on the Fundy, though they know all about it. (There have been three published abstracts.) Your critique of their paper is interesting, of course. Thanks very much for the Froelich & Olsen reprint--very useful!

All the best for the holidays and for 1985!

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

Mail Stop 926-A

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
NATIONAL CENTER
RESTON, VIRGINIA 22092

Nov. 1, 1984

FROM: BRANCH OF EASTERN REGIONAL GEOLOGY

Dear Dr. Traverso,

Thank you for the Calgary Abstract.
It arrived just after I had read Madon +
Middleton, ^{GEOLOGICAL, Oct. 1984, p. 619-622.} whose figure 3 at least covers
10 years or more, as well as the "Regional Tectonic
Framework" discussion. The last time I talked
to Paul Olson he was trying to stretch the Fundy
beds back to Anisian. Seems we have some problems
here. It seems time to have another "Friends of
the Newark" session to bring one-another up to
date. We will be having a Workshop Nov 14-16 and
some new problems will
surely surface.

Best regards,
Al Fruehlich



United States Department of the Interior

GEOLOGICAL SURVEY
RESTON, VA. 22092

March 24, 1983

In Reply Refer To:
Mail Stop 926

March 24, 1983

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

Dear Dr. Traverse:

Thank you very much for your response of September 22, 1982 to Dr. Drake's request for information on the Early Mesozoic basins studies relayed to me through Lauren Wright. The list of dissertations will be most helpful, and your pioneering work in this field has stimulated much of the recent interest and provided the sound stratigraphic basis enabling regional correlations between basins. Please excuse the tardiness of this acknowledgement, as I only recently returned from 5 months overseas.

Best regards,

Albert J. Froelich

1 May, 1985

George W. Frost & Son Jewelers
1129 Clinton Ave.
Irvington, NJ 07111

Dear Friends:

Several times since 1973 I've ordered small batches of your sterling silver dinosaur footprint tie-tacs (Stenonyx lateralis). I use them as gifts for appropriate occasions.

I last ordered about 2 years ago, but can only find the old address shown above. Hope it works!

Will you please quote ~~my~~ present prices?

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

He sent to call
he had, as
he is
moving.

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

22 August, 1987

Dr. Wayne L. Fry
University of California
Department of Paleontology
Berkeley, CA 94720

Dear Wayne:

Thanks for yours of 14 July re the MacGinities and other matters. I'm sorry I'll never see them again. I had a marvellous time with them in 1957--am now the age they were then!

Best regards in your onerous tasks. I hope I run into you for a better visit one of these days.

I'm just back from IBC-Berlin. You would have enjoyed it.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et



DEPARTMENT OF PALEONTOLOGY

BERKELEY, CALIFORNIA 94720

Jim Al —

14 July 87

It was good to see you
briefly in Ottawa. I have remembered
your request for Bea MacGinitie's
address. Alas! she too died
some weeks ago and not really
too long after Mac. Mac was 90
and she not far from it.
I returned from Canada July 2
and am now moving into new
living quarters after 26 years.
I'm also saddled with

the Chairmanship of the Dept. and Directorship
of the Museum for awhile. It is
a most a thankful job

Mary
Dorothy L. ...

March 5, 1969

Dr. Wayne L. Fry
Department of Paleontology
University of California
Berkeley, California 94720

Dear Wayne:

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

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

Please keep us in mind.

Yours very truly,

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

UNIVERSITY OF CALIFORNIA

DEPARTMENT OF PALEONTOLOGY
BERKELEY 4, CALIFORNIA

July 7, 1958

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

Dear Al:

I have just been looking over the preliminary program for the Bloomington meetings. It looks real good and I regret that I will not be able to be there.

This summer has been a hectic one. I was in the hospital all of June undergoing surgery to correct my ulcer condition. I hope I am through with that trouble now! My plans are to leave around August 1 for Canada and be there most of August. That eliminates the AIBS.

Work on the International Congress goes on at a snail's pace but I hope we get all the preliminaries finished so the committee can meet this fall.

Sincerely yours,



Wayne L. Fry

WLF:MM

Feb. 1958

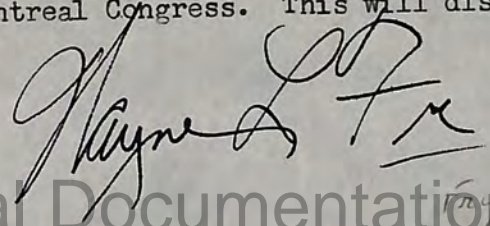
Al:

I had a letter from Norman Hughes of Cambridge in which he remarked as follows;

"I was very sorry to find recently that Shell who do so much palynology at the Hague and elsewhere, have given up reading the literature even. They run a morpho-numbered system of their own which is not published and makes no pretense at interpretation."

What is involved in this? Is there a reason for such a change of attitude?

You might be interested to know that Palynology will be for the most part considered part of the Ecology at the Montreal Congress. This will distress a number of people.



UNIVERSITY OF CALIFORNIA

DEPARTMENT OF PALEONTOLOGY
BERKELEY 4, CALIFORNIA

11 December 1957

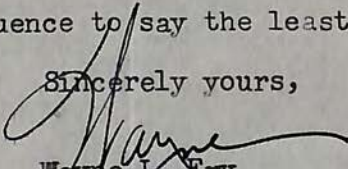
Dear Al:

My thanks for your recent reprint on nomenclatural problems and plant microfossils.

The term here has been interesting but devoted to lecture preparation and orientation. A great deal needs to be done with the collections and they are extensive.

Unfortunately I have had two sessions in the hospital during the past month and this has been a disrupting influence to say the least.

Sincerely yours,



Wayne L. Fry

PENNSTATE



The Pennsylvania State University
Department of Geosciences
503 Deike Building
(814) 863-7823 [FAX]
Date: 23. IX. 91

Marked here if urgent reply is requested.

bill

Fax Transmission to: Herrn Reiner Rohr
Fulbright-Kommission
Name: Theaterplatz 1a
Company/Institution: Postfach 200555
Department: D-5300 Bonn 2 (Bad Godesberg)
Fax Number: 49-228-36-31-30
Phone Number: _____

Transmission from:

Name: Alfred Traverse
Phone Number: 814-863-3419

Total Number of Pages (Including Cover Page): 1

Message:

den 23. September 1991

Sehr geehrter Herr Rohr

meine Frau hat jetzt ihren Flug nach Frankfurt am 27. Dezember.91
arrangiert. Es erinnert mich an meine "Transportation Request"
(Form No. 2), die ich am 10. Feb. hineingeschickt habe. Darf ich
wissen, ob alles in Ordnung mit dieser Bitte ist? Es ist ein
bißchen beunruhigend, daß Plätze auf den kleinen Flugzeugen
zwischen State College (=University Park) und Pittsburgh (bzw.
New York) für 27.XII.91 schon besetzt sind.

mit freundlichen Grüßen

Ihr

Alfred Traverse

*If any portion of this transmission is unclear, please call 814-863-3419

21 May, 1982

Mr. Peter W. Fullam, President
Ernest F. Fullam, Inc.
P.O. Box 444
Schenectady, NY 12301

Dear Mr. Fullam:

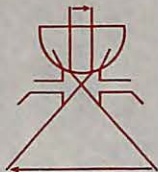
Thanks for yours of 15 April and the sample of LR White resin. What I am looking for is a replacement for glycerin jelly--it's a search I have pursued for 30 years so far! Nothing seems adequate, yet glycerin jelly is not permanent enough. I fear that LR White resin is not a candidate after all. For one thing, it has solidified in the jar just since it arrived!

Thanks again.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et



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AND
SCIENTIFIC INSTRUMENTS

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ELECTRON MICROSCOPY · DIFFRACTION · MICROPROBE ANALYSIS

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EFFA DIVISION
LABORATORY INSTRUMENTS
FOR MICROSCOPY

April 15, 1982

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

Dear Dr. Traverse:

Referring to your letter of 31 March concerning LR White resin, it does not appear to be suitable as a permanent mounting medium. The index of refraction is about 1.41. However, we are told that color stability and adhesion to glass over a long time period are not particularly good.

On the other hand, it does harden crystal-clear when thermally cured. I believe it might be a useful mounting medium if a specimen is not to be retained longer than about 6 or 7 months.

Both ourselves and the manufacturers in England continue to seek customer feedback. With that in mind, we are sending a 2oz. sample for you to try. Please let us know how it works for you.

Very truly yours,

ERNEST F. FULLAM, INC.

Peter W. Fullam,
President

PWF:S

31 March, 1982

E. F. Fullam, Inc.
P.O. Box 444
Schenectady, NY 12301

Dear Sirs:

Re "LR White Resin:--what is the index of refraction? What do you know of its durability? Adhesive qualities re glass? I was wondering how it would work for a mounting medium. If you think it might work--any chance of a gram or two for experimenting?

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: 814-865-3191

17 November, 1989

*OK for
my copy*

Dr. V. A. Funk
Department of Botany, NHB 166
Smithsonian Institution
Washington, DC 20560

Dear Friend:

Thanks for your undated note that came recently ~~ly~~ re Latin vs.
English, etc. I enclose a short blurb I wrote, and I appreciate
the opportunity to sound off!

Best wishes.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et
encl: MS

February 9, 1970

Dr. John W. Funkhouser
John Tyler Community College
Chester, Virginia 23831

Dear John:

Bob Tschudy recently wrote me regarding "Aspects", which I have had some notions about reviewing. In the course of his letter he gave me the addresses of the various co-authors, and I was delighted to see your name and address on the list. I had completely lost track of you. As far as I can recall, the last time I heard from you was just before I went to seminary in 1962. So, it's good to know where you are. If I remember correctly, you must not be too far from your original source.

It occurred to me that you might be interested in the AASP, to which many of your old friends belong. So, I am enclosing a few items about it: an application blank, a brochure about the recent second annual convention, a letter about publications that resulted from that convention.

Whether about that or not, it would be good to hear from you again.

Yours very truly,

Alfred Traverse
Associate Professor of Geology
and Biology
Secretary-Treasurer
AASP

AT:kc

Enclosures: application blank, brochure, letter re publications

PROPOSAL NO. BSR-8503057	INSTITUTION Individual Award	PLEASE RETURN BY 12/28/84
PRINCIPAL INVESTIGATOR Richard P. Futyma		NSF PROGRAM ECOLOGY PROGRAM
TITLE PRF: Paleoecology of Peatland Formation in Northern Michigan		

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

In April of this year (!) I evaluated a similar, previous proposal of Futyma on the same general subject, for use at the same institution as the present proposal. I gave the proposal a "very good" rating, which in my view is B+ or so, a high mark. I only faulted the proposal then before me for lacking some details that I thought would be helpful, and for suggesting to me the possibility that DOE funding should have been sought. The present proposal seems to have added some of what I said was lacking, and to have removed the "applied research" overtones I thought I had picked up before. The present proposal also is much more focused on the megafossil work. I regard the proposal as a good, sound potential piece of work, almost certain to yield some interesting results vis a vis peat formation if carried out. The staff at Albany would obviously profit from having a researcher of Futyma's caliber provided for by NSF.

OVERALL RATING: EXCELLENT VERY GOOD GOOD FAIR POOR

REVIEWER'S SIGNATURE
Alfred Traverse

REVIEWER'S NAME (TYPED)
Alfred Traverse

OTHER SUGGESTED REVIEWERS (OPTIONAL)

REVIEWER'S COPY

Dr. Alfred Traverse
Palynological Laboratories
Pennsylvania State University

PROPOSAL NO. BSR-8408024	INSTITUTION INDIVIDUAL AWARD	PLEASE RETURN BY (27-IV-84)
PRINCIPAL INVESTIGATOR FUTYMA	RICHARD P	NSF PROGRAM ECOLOGY PROGRAM
TITLE PRF: PALEOECOLOGY OF NORTHERN MICHIGAN PEATLANDS		

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

This proposal is a succinct statement of the peat-genesis problem to be investigated, though a couple of figures from the previous report would have been helpful to the reader in his/her effort to understand what Futyma and Miller have done and will do with the peat. I am not really clear why so much palynology will be done in Lake 26. If the more nearly "petrological" study of the megafossils ("macrofossils") is the main thrust of the work, as seems to be the case, why aren't 1-2 cores for palynology enough? Still, the north Michigan area is an important USA peat-source, and this work can hardly help but make some important contribution to understanding of Pleistocene-Recent peat-genesis. The proposer has had good training. It is hard to judge from the statement that the Museum has good "laboratory space" whether they have the microscopes, hoods, microtomes, etc., that they will need for this work. The proposer should have described the required facilities briefly, to convince us, and his failure to do so is puzzling. I must also confess some confusion as to whether the principal goal of the research is really peat-industry related, as is hinted at in a few places, or is really basic research on Quaternary peat-genesis. Much of the short section on "Significance" (p. 4) for example, really sounds to me as if the Department of Energy should be tapped instead of NSF. Why not? NSF should avoid funding any project that could possibly be funded by one of the more specifically goal-oriented sources such as DOE.

OVERALL RATING: EXCELLENT VERY GOOD GOOD FAIR POOR

REVIEWER'S SIGNATURE *Alfred Traverse* DATE **27-IV-84**

REVIEWER'S NAME (TYPED)
Alfred Traverse

OTHER SUGGESTED REVIEWERS (OPTIONAL)

REVIEWER'S COPY

Hunt Institute for Botanical Documentation

RUN DATE: 01/27/84