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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.

# NBI

Nasionale Botaniese Instituut

Privaatsak X101, PRETORIA, 0001 Suid-Afrika

NASIONALE HERBARIUM

Tel: (012) 86-1164 Faks: (012) 86-1194

Prof. Alfred Traverse  
435 Deike Bldg  
Dept. of Geology  
Pennsylvania State Univ.,  
University Park  
PA 16802  
USA.

Tues 14 March 1992  
John M. Anderson

## "The Elusive Fossil Species" (Paris + Afx 1992)

Dear Prof. Traverse,

I last wrote on 19 Feb 1992 concerning our 'Fossil Species' debate planned for the Paris + Afx Congresses later this year. In case you never received that letter, I include a copy here.

Bill Chaloner + Norman Hughes strongly recommended your involvement in the debates, possibly as chairman in Paris + as a panelist defending traditional taxonomy in Afx. Once again I take the opportunity of inviting you to participate in one or other or both capacities.

Please respond at your earliest convenience; if at all possible by return of fax - so that I can invite someone else to play the roles should you be unable or should you decline.

'Species'-level taxonomy is crucial to all questions in which we palaeobotanists find ourselves involved, yet there is little agreement as to how to go about it + the results obtained are often highly dubious. If nothing else a well-chaired + planned debate will air many of the problems + should prove great fun + hopefully some tangible suggestions for future action.

Happy to hear from you very soon. I must let the organisers of the two symposia know who are involved as panelists + chairmen so that they can plan their schedules without time clashes.

All the very best  
Yours,  
John Anderson

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Prof. Alfred Traverse  
435 Deike Bldg.  
Dept. of Geology  
Pennsylvania State Univ.  
University Park  
PA 16802  
USA.

Wed 19 Feb 1992  
John M. Anderson

## Paris + Aix 1992 ("Elusive Fossil Species") debate

Dear Al,

We are planning a debate, provisionally entitled "The Elusive Plant Fossil Species" to be held at both Paris + Aix later this year. + would be very glad of your participation as panelist &/or chairman.

	Paris	Aix
Chairman	Al Traverse?	Steve Blackmore (Keeper of Botany, Nat. Hist. Mus. London)
Protagonists	Bill Chaloner Dave Dilcher/Boulter	Bill Chaloner Al Traverse? } Traditional taxonomy
Antagonists	Norman Hughes John Anderson	Norman Hughes John Anderson } alternative taxonomy

At both Paris + Aix we will have a full morning or afternoon allotted for the debate.

I spent a good part of Dec 1991 in London + Cambridge discussing the debate with Bill Chaloner, Mike Boulter + Norman Hughes. All are enthusiastic about its relevance and all are more than willing to be panelists (see above). Bill, Mike + Norman all suggested of you as a definite candidate, either as chairman or panelist or both, for the debate. If you are willing I will send fuller details.

Hoping to hear from you soon,  
Sincerely yours,

John Anderson

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

17 March, 1992

Dr. John M. Anderson  
National Botanical Institute  
P. Bag X101  
Pretoria 0001, South Africa

Dear John:

How nice to hear from you, per yours of 19 February.  
Unfortunately, it was only delivered to me yesterday after a  
second transoceanic voyage from Penn State.

I am very flattered by your invitation, but as I've already  
explained to Bill Chaloner and others, I will be here  
(Senckenberg Museum) until July. I cannot return to Europe  
after only about a month at home, right at the beginning of my  
first semester back--we begin the academic year on 15 August.  
So, reluctantly I will have to forego the Paris and Aix  
meetings.

Hope I get to see your operation some day.

All the best.

Yours very truly,

Alfred Traverse

# NBI

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Privaatsak X101, PRETORIA, 0001 Suid-Afrika

NASIONALE HERBARIUM

Tel: (012) 86-1164 Faks: (012) 86-1194

Answer - (can't accept)  
17. III. 92

Prof. Alfred Traverse  
435 Deike Bldg.  
Dept. of Geology  
Pennsylvania State Univ.  
University Park  
PA 16802  
USA.

Wed 19 Feb  
John M. Anderson

## Paris + Aix 1992 ("Elusive Fossil Species") debate

Dear Al,

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Hoping to hear from you soon

Sincerely yours

John Anderson

From: John M. Anderson  
National Botanical Institute  
P. Bag X101  
Pretoria 0001  
South Africa.

14 February, 1977

Mr. R. Scott Anderson  
282 West Broadway  
Bangor, Maine 04401

Dear Mr. Anderson:

It has taken me so long to answer yours of 30 December, 1976, that perhaps you no longer are interested! This has been the result of various personal problems which I have encountered here. My apologies.

You raise the question in your letter of employment prospects for palynology in the oil industry. Let me say only that I do not know of anybody who has received an advanced degree who is out of work at the moment. The oil companies do not hire large numbers of palynologists, but we do not turn out large numbers of people either, and there seems to be a fair match-up between production of graduate palynologists and availability of employment--perhaps a dozen or so a year come out of the universities and are absorbed into the profession. However, I should emphasize that relatively few of the oil companies jobs are geared toward persons with ecological-botanical training. Relatively more of them are for people with a geological background. Most of the jobs are obtained through knowing the head palynologist of a particular oil company or from having an introduction to him from some palynologist. In other words, I would pay relatively little attention to what personnel managers say.

Hoping that this did not reach you too late to be of any use and with best wishes, I am

Yours very truly,

Alfred Traverse  
Professor of Palynology

AT/et

12-30-76

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

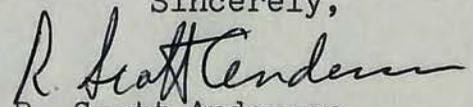
Dear Dr. Traverse:

I appreciate receiving your letter of 10 December in reply to my inquiry into your introductory and advanced palynology courses. Let me say that my interest in a summer session course was a matter of convenience in my present situation. I am serious about wanting to take both of these courses (Biol 423 and Biol 526) sometime within the next two years.

Let me tell you a little bit about myself. I received my B. A. in ecology from the University of Colorado. I am presently studying palynology-paleoecology at the University of Maine. My main emphasis here has been on Quaternary paleoecology but my ultimate desire is to be a full-fledged palynologist upon completion of my M. S. The course description of both Biol 423 and Biol 526 intrigues me and I feel that this would be a good way to supplement my education.

This brings me to the reason for writing this letter. I understand that at one time you worked as a palynologist for the Shell Oil Company. It is my desire to work in the petroleum industry in this capacity. I realize that you probably are no longer directly connected with the industry but I would like to know your opinion of the outlook for this type of professional employment. Also, what steps must be taken (coursework, etc.) to qualify for employment. I have written to the personnel managers of various oil companies but would like the opinion of a person who has been there. I appreciate any inside information that you might be able to provide to me in attaining my goal.

Sincerely,



R. Scott Anderson  
282 West Broadway  
Bangor, Maine 04401

Fidelity  
Onion Skin  
Garboc

November 18, 1969

Dr. R.Y. Anderson  
University of New Mexico  
Albuquerque, New Mexico 87106

Dear Dr. Anderson:

Stop me if I have already written you about this sometime back--I know it has been often in my mind to do so. I don't seem ever to have received a copy of your N. Mex. Memoir 6--"Cretaceous--Tertiary palynology, eastern side of the San Juan Basin, New Mexico". This fact struck me forceably this past week when we used your publication both in my Catalog work and in some advising of one of my Ph.d. students. I certainly could use a copy of the memoir if by any chance you have a stray copy lying around. On the other hand, if you do not have copies but it is possible to obtain them from the New Mexico Bureau of Mines, or from anyone else for that matter, I would appreciate being informed.

I note that you are one of the dwindling number of prominent palynologists in North America who have still not joined the AASP--we now have about 300 members. I wonder if this is perhaps because you haven't been personally asked by anybody. Should that be the case, I extend such an invitation now, and enclose an application blank and a brochure about the most recent convention of AASP which washheld here at Penn State a couple of weeks ago. I am also enclosing a copy of the final program for that meeting so that you can see the total shape of what was done. I think it would be to your best interest to join, and it certainly would be beneficial for the rest of us.

Hoping to see you one of these months or years. I am

Yours very truly,

Alfred Traverse  
Associate Professor of Geology and  
Biology  
Secretary-Treasurer

AT:vs1

Enclosure: application blank, brochure, and program

March 7, 1969

Dr. R.Y. Anderson  
Department of Geology  
University of New Mexico  
Albuquerque, New Mexico 87106

Dear Roger:

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 area of geology which may be pertinent to his work and interests.

Please keep us in mind.

Yours very truly,

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

File: American Geol. 9-12-69  
Institute  
Chas. Bailey - (A. G. I.)

Called at 10<sup>15</sup> a.m.

asked me to edit cards  
on polyzoological terms - throw out  
no-good ones - for the famous  
glossary.

May 23, 1968

*fate*  
Dr. Foster D. Smith, Jr.  
American Geological Institute  
1444 N. Street N.W.  
Washington, D.C. 20005

Dear Foster:

It was a pleasure to get to know you a bit better over the weekend. I think you did a splendid job of keeping us on the track, and your patience with some of the more quarrelsome members of the group, such as I, was phenomenal.

I think we accomplished a great deal, not the least of the attainments being the naming of Bill Riedel as chairman for the group. Jim Mello would have been an equally good choice, and I do hope that a way will be found of getting him to pull with us in some fashion.

I enclose the expense account. The rent car was obtained from the university. They charge 7 cents a mile and daily charge. Ends up costing about the same as air fare and for transportation to this part of the realm is more reliable.

Looking forward to seeing you again one of these months or years, I am

Yours very truly,

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

AT:kwc

Enclosure: expense account

**TRAVEL EXPENSE VOUCHER**  
**AMERICAN GEOLOGICAL INSTITUTE**

To Alfred Traverse Date 22 May, 1965  
(Name of Claimant)  
Jeike 529, University Park, Pa. 16802  
(Address)

Purpose of Travel: (Be Specific; include Persons and/or Organizations Visited and Reason for Visit or Meeting Attended)  
Attend meeting at Amer. Museum Nat. Hist., N. Y. City, of A.G.I.-sponsored committee on micropaleontological data retrieval  
Date and Hour of Departure 18 May, 10<sup>00</sup> a.m. Date and Hour of Return 20 May 11<sup>50</sup> p.m.  
TRANSPORTATION: (Please furnish all information requested—incomplete vouchers may be returned)

TRANSPORTATION	FROM	TO	Via—Name	Please indicate class of service, i.e.,	AMOUNT
	(City and State)	(City and State)	of Line	Plane, R.R. Coach, 1st Class, Extra Fare Pullman or Special Accommodations	
	<u>State College, Pa.</u>	<u>N. Y., N. Y.</u>	<u>Rental car</u>	<u>P.S.G.</u>	<u>34.09</u>
			<del>used street</del>		
<b>TRANSPORTATION SUBTOTAL</b>					<b>\$ 34.09</b>

SUBSISTENCE	SUBSISTENCE—Select option A or B (see instructions on reverse side)				X X X X X
		OPTION A—Subsistence expenses not itemized. _____ days* at \$16 per day (see Instruction 4)			
	OPTION B—Subsistence expenses itemized. _____ days at \$20 per day max.				
	Hotel	<u>Paid directly</u>	\$ —		
	Meals	<u>(lunch - dinner on 19th; breakfast + dinner on 19th; breakfast + dinner on 20th)</u>	<u>16 00</u>		
	Other (tips, baggage handling, etc.)		<u>2 00</u>		
	X—SUBSISTENCE SUBTOTAL			<u>\$ 18 00</u>	enter here → <u>\$ 18 00</u>

OTHER	Cab Fares, Airport Transportation, Buses, etc.		\$ 7.50
		<u>Car storage (rec't); tolls (bridge + highway)</u>	
	Telephone and Telegraph		\$

<p align="center"><b>SUBMIT ONE COPY ONLY</b> Retain a copy for your tax records. See Instructions on reverse side.</p>	<b>TOTAL EXPENSES</b>	\$
	<b>LESS ADVANCE</b>	
	<b>BALANCE</b>	<u>59 59</u>

CERTIFICATE OF CLAIMANT: I hereby certify that the above claim is correct and just and that payment therefor has not been received

Alfred Traverse By \_\_\_\_\_ (Name) \_\_\_\_\_ (Title)  
(Claimant)

**FOR OFFICE USE ONLY**

APPROVED	FUND
Project Director or Dept. Head _____ Date _____	
Business Office _____ Date _____	
Executive Director _____ Date _____	Check No. _____ Date _____
	Amount _____

Dr. Harold C. Bold, Editor  
American Journal of Botany  
Department of Botany  
University of Texas  
Austin 12, Texas

Dear Harold:

I have read T. K. Wilson's paper and the comments of the two primary reviewers. My reaction differs a bit from that of either reviewer, though the net result is that I support Dr. Larson's verdict of unpublishability in AJB. In brief, I agree with Dr. Canright that the paper presents information that will be of interest to palynologists. But the paper is definitely not in publishable condition syntactically, grammatically, or orthographically. On this I feel even more strongly than Larson (I should have been an editor). Wilson's technical procedures both in doing his work and in presenting his data are not up to standard. On this I find myself being more critical of the lack of systematic organization in tables and the lack of data on how many specimens were counted, the amount of deviation from the mean, and the like, than was Larson. I do not regard the terminology Wilson uses as sufficiently out of line to condemn the paper on that score, though Wilson should be more accurate about stating the source of his terms. So too, I would not find the lack of study of thin sections along enough for rejection. But the point is that this paper is off a few points all down the line and cannot be given a passing grade by an impartial critic. I do not mean to suggest that Canright is intentionally plugging for this paper. But he has been associated with the study of the Ranales now for nearly twenty years and views this mostly as another chapter in the story without noticing some of the palynological deficiencies.

In detail: Taking a less important matter first: Dr. Canright points out that Wilson's use of English leaves something to be desired. He made some concrete suggestions along this line which Wilson has incorporated. Dr. Larson also extensively red-pencilled the manuscript in an editorial way. The truth is that each of these men was gentle. This paper is not in condition for submission to a journal. As far as I understand such matters, the AJB does not expect to have to rewrite submitted papers. If a man recognized that he has a general deficiency in this area, he should seek help before he even submits the paper, and I think AJB should zealously guard the standards it demands for submitted papers.

In addition to the comments Larson has made in red ink (nearly all of which I accept), I would call attention to the

following, which are just a sample:

p. 2, l. 2: Canellaceae is plural, hence "were". Note that the name should be italicized, since it is Latin. These two barbarisms occur throughout the paper.

p. 2, para. 2, l. 2: ....since the subject is extensively treated by other authors....

p. 2, para. 4, l. 2: FAA must be explained.

p. 2, footnote: footnote apparently refers to part of text explaining about herbarium material, but this must be made clear with an asterisk, or whatever.

p. 4, l. 1: Box 861 is a collector?

p. 4, l. 5:..indistinct-appearing, or indistinct, appearing?

p. 6, l. 8 ff.: apparently meant that trichotomosulcate grains might have been contaminants, but the structure of the sentence doesn't make this clear. Sounds as if contamination might have been visualized as causing the trichotomosulcate condition.

p. 9, l. 1: a textbook example of ambiguity. By "the author" does he mean T. K. Wilson, or the apparent antecedent, Erdtman (or possibly, Wodehouse)?

p. 11, par. 3: hypotheses do not lead to the formation of pollen grains.

p. 11-12 A particularly large crops of unitalicized plant names. Ranales, as an order, need not be italicized, but family names must be. See the International Code!

p. 12, l. 11-12: it seems probable that the author means here: "between the Canellaceae and the Saururaceae and Piperaceae". But the reader is left confused.

Now, as regards the paper as a scientific contribution. I think the issue is related to what AJB's general policy will be. Wilson has not done the sort of job Larson would like to have seen done on the exine stratification. This would require at least light microscopy of thin sections, probably electron microscopy. It would seem that with the limited number of species concerned, Wilson would have made some effort in this direction. He should be aware that this is the trend in modern palynology. Larson is right in stating that Wilson's techniques are less than should be expected. For example, he should have presented his measurements in tabular form, showing the number of grains measured, the mean measurement for the dimension concerned, and a meaningful indication of the degree of variation (coefficient of variation, or whatever). Measurement in lactic acid is poor, though if comparison with other lactic acid measurements is intended, it is defensible. Measurements in another medium should have been presented -- I mean measurements of grains treated another way and mounted differently. Larson may not be aware that previous papers in this series (Bailey et al.) all are based on lactic acid

measurements, to the extent that they depend on pollen measurements at all.

I feel that Larson is a bit extreme regarding the terminology Wilson uses. It is true that Wilson does not seem to be up to date with developments in exine stratification studies. However, for light microscopy of whole pollen, the ektexine-endexine classification is still satisfactory, and providing that Wilson explains what he is doing, I can't see any objection. There is still a place for the light microscopic, survey-study. Regarding "monosulcate", it is true that most palynologists now use "monocolpate", and I think Wilson should conform. But "trichotomosulcate" is still the generally used term, no matter what Erdtman now does. There is no international code in the matter, and besides, if past experience governs, Erdtman may now be in press with a retraction or some new system of names.

What Wilson has to say about Cannellaceae pollen will be of some interest to general palynologists, though not to pollen morphologists.

I cannot see that Wilson's speculations about monosulcate-trichotomosulcate-tricolpate relations are out of line. There is a place for a little speculation of that sort. It could be shortened up a line or two, and the language needs improvement, but I don't find the idea of such a section objectionable per se.

I believe that Wilson could have presented a publishable paper based on a study made in essentially the way he proceeded, by doing some of the things Larson and I have suggested. In fact, I think Wilson's information should be published--perhaps in the state academy of sciences bulletin. But I must agree with Dr. Larson that the paper is definitely not publishable in AJB as it now stands. This would be true on literary grounds alone, but I feel that the presentation of data would have to be much improved, even if the paper were edited extensively, before I could pass on it. I believe I share Larson's doubts that the original work would be amenable to sufficient improvement for publication.

Yours very truly,

Alfred Traverse

THE PENNSYLVANIA STATE UNIVERSITY

ORGANIC SEDIMENTS LABORATORY  
UNIVERSITY PARK, PENNSYLVANIA 16802

College of Mineral Industries  
Department of Geology and Geophysics

Area Code 814  
865-6545  
865-6543

November 3, 1965

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

Dear Al:

Many thanks for your constructive suggestions concerning Volume 23. Please be assured that they have received due consideration and in certain instances will promote subsequent positive action. It may not be possible, however, to initiate these actions within the present volume.

In regard to matters nomenclatural and your impression concerning the introduction of such units as subform species (subf. sp.) and in Volume 25 even "aspects" (aspt.), let me say that while I too personally question their value, inclusion and designation of rank should conform with that published by the original author. We have vacillated in this and other nomenclatural matters from time to time and in varying degrees during the development of the Catalog but finally returned to the point of presenting all materials as closely as possible to that originally published. Even this approach has its pitfalls as you will see shortly in Volume 25 (Thiergart, 1949), but I believe it still remains the most practical position for the Catalog to maintain. Thus the use of parentheses in Toroisporis (Toroisporis) designate the type bearing subgenus as opposed to other subgenera Toroisporis (Duplotoroisporis) etc. proposed in Krutzsch 1959. It may look to some as if palynology is in need of its own 20th century Linnaeus if we are not to be drowned in an all engulfing flood of polynomials.

Again, please accept our appreciation of your time and effort expended in reviewing these many volumes over the past years. Your conscientious efforts have proved a true incentive to all of us.

Cordially,



H. Tate Ames

HTA:jpd

P.S. I hope by now you have received the first index (Vol. 1-10). Unfortunately, I cannot make Kansas City but Dr. Spackman will be there.

PPS. you did!

THE PENNSYLVANIA STATE UNIVERSITY

UNIVERSITY PARK • PENNSYLVANIA

College of Mineral Industries  
Department of Geology  
Palynological Laboratories

July 12, 1961

Dr. A. Traverse  
Shell Development Company  
Houston, Texas

Dear Dr. Traverse:

Although it was agreed at the September Advisory Committee Meeting that the staff should determine subscription rates for the forthcoming English translation, it seems appropriate to invite your comments on the rates prior to distribution of Volume I. The anticipated distribution date for Volume I has been set for about mid-August. Since the time is relatively close, and an expression of opinion is desired prior to printing, a self-addressed card is enclosed to expedite your reply.

Volume I consists of about 110 pages printed on one side and is enclosed in a loose-leaf binder similar to Option D. Included in these pages are explanatory details, translated specific and generic diagnoses and an alphabetized index of taxa. Translated descriptions are cross-referenced to the parent publication to facilitate use. By eliminating unnecessary illustrations and limiting the options in which the translations are offered, it is hoped that self-sufficiency may be approached at the established rates. Subscription rates for the initial year were rather arbitrarily fixed for want of specific data.

Two rates are available to subscribers. Each volume is priced at \$6.00 if ordered on an annual basis or \$7.50 if requested individually. Payment will be expected to accompany the subscription order form. It is felt that these rates should be within the means of our average subscriber. If, however, circulation should not attain the expected figures the rates will be subject to change in 1962.

Please return the enclosed card at your earliest convenience so that we may proceed with the printing of Volume I. Thank you for your consideration.

Cordially yours,

*H. Tate Ames*

H. Tate Ames

Enclosure

HTA/ncs

13 October 1965

Mr. H. Tate Ames  
Catalog of Fossil Spores and Pollen  
Organic Sediments Laboratory  
Pennsylvania State University  
University Park, Pennsylvania

Dear Tate:

I have gone over the copy of Vol. 23 and have found nearly everything in order. Perhaps you will pardon a very few negative criticisms:

1. The word "protolog" is used pretty well throughout this volume. I believe I know what you mean, but this term is not in common usage and I think should be avoided in a publication such as the Catalog, unless you define it carefully in a footnote the first time it is used in each volume. I would really prefer that you didn't use the term.
2. Some statement should probably be included on a separate sheet at the front suggesting that the supplement to Vol. 19 be put in the binder for Vol. 19. Most subscribers are effectively going to lose the pages in question by leaving them in 23.
3. The Catalog's handling of synonymy needs to be tightened up considerably, I think. Example, 23-152: It is not clear to the inexperienced reader why Toroisporis is repeated in parenthesis. And I hope he doesn't ask me for clarification.

Example, p. 23-150: examples such as this one should be given as Appendicisporites pseudocornitatus (Weyl. and Greifeld) Krutsch, if I read you right.

Example, p. 23-152: middle of page. Units such as "subfsp." were not as of the last time I looked ( I don't have it here) recognized in the International Code and should be avoided, or at least explained, by the Catalog.

Positive criticism: bravo on such statements as those on 23-95 regarding items to be compared. Should be more of this, and I don't agree that it would necessarily commit the Catalog to taxonomic judgments to an undesirable degree.

Yours very truly,

Alfred Traverse

AT:mg

P.S. Please don't forget the copy of index to Vols. 1-10 for me. AT.

THE PENNSYLVANIA STATE UNIVERSITY

ORGANIC SEDIMENTS LABORATORY  
UNIVERSITY PARK, PENNSYLVANIA 16802

College of Mineral Industries  
Department of Geology and Geophysics

Area Code 814  
865-6545  
865-6543

September 27, 1965

Dr. Alfred Traverse  
Bureau of Economic Geology  
18th and Red River Streets  
University of Texas  
University Station  
Austin, Texas

Dear Dr. Traverse:

Volume 23 of the Catalog of Fossil Spores and Pollen has just been received from the printers. It is our intent to distribute this volume at the earliest practical moment. Accordingly, a copy of the volume is being forwarded to you under separate cover, for review. It should be received in the very near future.

I hope your impressions of Volume 23 prove favorable and that you find it similar in caliber to previous volumes. Your evaluation of it will be appreciated, in any case, and will be considered as a guide to the improvement of subsequent volumes.

As early a receipt of comments concerning this volume will be appreciated.

Let me again express my appreciation of the time and effort you have contributed to development of this program.

Sincerely,



H. Tate Ames

HTA:ljf

1 September 1965

Mr. H. T. Ames  
Editor, Catalog of Fossil Spores  
and Pollen  
Organic Sediments Lab.  
Pennsylvania State University  
University Park, Pennsylvania

Dear Tate:

I am serusing the cumulative index for Vols. 11-20  
with interest and profit. Please refresh my memory--  
was there a similar item for Vols. 1-10? If so, I  
don't seem to have one and would appreciate same.

Hope all is well with you all.

Yours very truly,



Alfred Traverse  
Geologist

AT:jt

October 25, 1960

AIR MAIL

Mr. Tate Ames, Associate Editor  
Catalog of Fossil Spores and Pollen  
Pennsylvania State University  
University Park, Pennsylvania

Dear Tate:

As far as I can see, the format, etc., for Volume 12 is in order-- in fact, a very flossy job. Devonian spores are really outside of my province, and I will leave criticism of specific details to others. However, I must say I agree with Jim Schopf's suggestion that where lectotypes are selected, this should be clear. Not only is this true of generic lectotypes, but of lectotypes at the specific and subspecific levels. You should follow scrupulously the principles outlined in the Code appendix on typification for the selection. And I would say that each lectotype designation should be pointed out as such on the Catalog page concerned. At the least, as it now stands, a page or two should be added to the introduction to the present volume to explain the situation with lists of the entities concerned. I confess that it had escaped my attention. For instance, it is not at all clear that a lectotypic selection has been made. In fact, after reading Jim's letter to you of October 11, 1960, and carefully looking at Volume 12, I am still uncertain that I understand why some of the items involve lectotypic selection and others not. You would seem, for example, to have selected Stenozonotriletes conformis as type species for Stenozonotriletes. But why Jim says that S. conspersus, etc., are also generolectotypes, he will have to explain to me. At any rate, I would emphasize that the situation should be made crystal clear to the reader.

The statement (e.g., p. 12-16) that "Navnova makes no provision for... Stenozonotriletes extensus extensus," is puzzling to me. Such a taxon is automatically created (Code, Art. 25), if S. extensus has been described. It is that variety that includes the type of the species S. extensus. Perhaps you mean that Navnova created only varieties of Stenozonotriletes. If that is the case, it was illegitimate procedure and must be corrected. The type of one of the existing varieties would have to be selected as holotype of S. extensus and the name of the variety including that holotype would have to be changed to S. extensus var. extensus. (Compare Code, Art. 26, which cites an example). As I understood the consensus of the committee last month, you were advised not to do such business in the Catalog, but I would say you ought to make this sort of change in whatever publication seems suitable, and I still feel that Schopf was right when he originally stated that that sort of change should be made prior to

MR. TATE AMES

2

publication of the concerned volume of the Catalog. It would be much neater that way--if you could report the nomenclatural change at the time of publication of the Catalog volume. Otherwise, the change will be buried in Oklahoma Geol. Notes, or wherever.

Best regards to all.

Very truly yours,



Alfred Traverse

AT:rw

cc. Dr. James M. Schopf  
Coal Geology Lab.,  
Orton Hall, O. S. U.  
Columbus 10, Ohio

Shell Development Company  
Exploration and Production Research Division

bc. Dr. A. Traverse  
Dr. D. V. Higgs  
R File

Arton Hall, Ohio State University  
195 S. Oval Drive, Columbus 10, Ohio

October 17, 1960

H. Tate Ames, Research Assistant  
Palynological Laboratory, Department of Geology  
College of Mineral Industries  
The Pennsylvania State University  
University Park, Pennsylvania

Dear Tate:

As a result of Bill Spackman's telephone call last Friday, I believe that I have been properly corrected about the generolecto-types. The fact is that you have not used the Catalog to designate type species like I had inferred. You were simply calling attention to the fact that other authors had previously designated these species as types. I am relieved to know this, in spite of the fact that I feel very foolish for not having discovered for myself what the true situation was. I hope you will accept my apology.

I think it would have been desirable also to give author and date of each type or lectotypic selection for these genera, however, in addition to the annotation that these were type species. Conceivably others might jump to the same conclusion that I did. The typification date is particularly important, since it probably determines validation and precedence for the particular names in question. This is very useful information and it would be very helpful to have it added on each pertinent species sheet. I would like to see all such comments initialed by an editor, also, but if the authority and date for the selection are given, perhaps an editor's initials are immaterial. If you could just indicate the authorities and dates for the establishment of type species in Volumes 10, 11, and 12 in the Preface to Volume 12, that would be adequate and as good as can be done at this time.

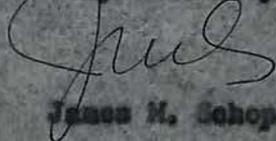
It would also be desirable in any instance for the editor to call attention to generic names for which a type species apparently is lacking. This, however, should always be placed in the Preface. You would not always know that a species has been chosen as a lectotype, and new proposals, unfortunately sometimes based simply on position in a list or some other "unscientific" reason, will subsequently be made. I should think that any comment reporting the apparent technical nomenclatural status of names would have value in the Preface.

H. T. Ames; October 17, 1960

If you should propose to take some corrective action, of course, that would probably impinge on taxonomy. I think that any taxonomic comment would be best presented outside the Catalog.

One further correction to the list accompanying my ill-considered letter of October 11th. The last three species, each assigned to Stenogonotriletes were included there by mistake. They were not designated as type species in the Catalog and in my haste to get this material to you, I overlooked the fact that they had been added in typing. The "ex K. A. & K." and reference to type species designation for all, is wrong, of course, I hope you can supply the correct references.

Very sincerely,



James H. Schopf

cc: Dr. William Spackman  
E. S. Barghoorn  
A. T. Cross  
J. F. Grayson  
W. S. Hoffmeister  
R. M. Kosanke  
A. F. Traverse  
L. S. Wilson

How embarrassing!  
Jim

THE PENNSYLVANIA STATE UNIVERSITY

UNIVERSITY PARK • PENNSYLVANIA

College of Mineral Industries  
Department of Geology  
Palynological Lab.

October 10, 1960

Dr. Alfred Traverse  
3737 Bellaire Blvd.  
Houston 25, Texas

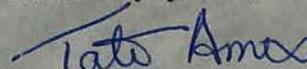
Dear Dr. Traverse:

Volume 12 of the Catalog of Fossil Spores and Pollen is being mailed to all members of the Advisory Committee under separate cover for their comments. Per Dr. Spackman's letter of April 30, 1960 we are planning to distribute this volume in approximately three weeks or about October 31. It is hoped that this date will afford sufficient time to review the Catalog and return your comments. Distribution will be initiated immediately following receipt of the final comment in the event that it precedes the above date.

As you know, Volume 12 was already in press at the time of the Advisory Committee Meeting in State College, therefore general practices employed prior to this meeting are inherent in this publication and will not reflect the opinions expressed at that meeting.

The staff wishes you to know that it greatly appreciates the time and effort expended by the committee in the behalf of our publication.

Sincerely yours,



H. Tate Ames  
Research Assistant

HTA:bg

THE PENNSYLVANIA STATE UNIVERSITY  
UNIVERSITY PARK, PENNSYLVANIA

COLLEGE OF MINERAL INDUSTRIES  
DEPARTMENT OF GEOLOGY

Palynological Lab.

February 11, 1959

Dr. A.F. Traverse  
Shell Development Co.  
3737 Bellaire Boulevard  
Houston 25, Texas

Dear Dr. Traverse:

The Catalog is now passing through a period of transition resulting from the experience gained during the preparation or publication of volumes one through six. It thus appears that now is the time to effect any desired changes to the format. Before effecting any of these proposed changes to the basic design of the format, the catalog staff however wishes an expression of opinion from the Advisory Committee. Thus there is enclosed both a "mock-up" of the new format for your evaluation and also a self-addressed card questionnaire to facilitate and expedite your reply. It is planned to institute these changes as soon as it is feasible. We tentatively hope to incorporate these changes in volume eight. It therefore will be necessary to start preparation of the format in the immediate future and your prompt attention will be greatly appreciated.

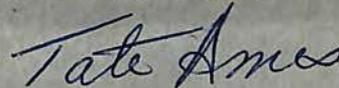
Frequently the complete accommodation of the original reference data varying greatly in context has proved troublesome to present in a consistent and uniform manner within the area provided. It is felt that the proposed changes will contribute greatly to the consistency within and between volumes without requiring any additional space. This will be accomplished by employing captions with broader definitions, replacing stilted or cumbersome phrases with shorter ones and rearrangement of the captions into a more appropriate position. Your attention is thus directed to the following:

- A. The substitution of the single caption "Type locality" for the two phrases covering the Geography and Geology of Source Site.
- B. The replacement of the term "Maceration" by the more appropriate and inclusive caption, "Preparation".
- C. The rearrangement of "Type Specimen" and the new term "Preparation" will place information relating to the depository and the holotype in closer proximity. The style type employed will be that formerly used and not the style appearing on the "mock-up".

An opinion is also desired pertaining to the continued use of scales accompanying illustrations of a single species. It has been suggested 1) that they can seldom be read with any accuracy at the magnification normally employed in publications. 2) That they may actually be misleading as reduction frequently results during original publication (eg. Traverse, 1955). and 3) That at the most they can be used only as a rapid or general guide. The Catalog will however continue to provide the scales which appear in the original text or their equivalents.

Thank you for your co-operation and time expended in the evaluation of this tentative reorganization of the format. Any additional or alternative suggestions proposed by the Committee will be most welcome.

Sincerely yours,



H. Tate Ames  
Research Assistant

HTA:bg

Enclosures

DOCUMENT BOND

FACTORY OF THE U.S.A.



**THE WILLIAMSPORT AREA COMMUNITY COLLEGE**

1005 WEST THIRD STREET, WILLIAMSPORT, PA. 17701, TELEPHONE 326-3761

*File*  
**Confidential Report on Applicant**

Name of Applicant Douglas Ammerman Date 22 September, 1969

"  
\_\_\_\_\_, the person from whom you received this form, is an applicant for admission to The Williamsport Area Community College. Your frank statement concerning the applicant will assist us in our efforts to arrive at a wise decision regarding his (or her) admission. Be assured that this information will be held in strict confidence. Please accept our thanks for your cooperation.

Grant M. Berry  
Director of Admissions

How long and in what connection have you known the applicant? Between three and four years; Doug is a member of the Episcopal church where I serve as assistant priest.

Please make any statement you wish concerning the applicant's qualities. We are particularly interested in such factors as sense of honor, self-control, morals, the ability to get along with other people, and citizenship record in school and community. (If additional space is needed, please use the back of this sheet.)

Doug Ammerman is a fellow whose development as a person has been a source of great satisfaction to the clergy at the church who have worked with him from time to time. Despite what often seems a flippant and devil-may-care manner, Doug is a sensitive and intelligent person with a great sense of responsibility to others and desire to do the right thing. Indeed, we have come to realize that his outward expression is often the reverse of what he is really thinking, of what he is really like. Since I have come to realize this, I have respected and liked Doug very much because the "real" Doug is a very warm, loving individual. I think he has considerable leadership potential which I believe will develop when he gets away from home and childhood influences. He has been a leader among our altar-boys and has encouraged some of them to stick with the group when they were on the verge of quitting. (Apparently, his persuasiveness in this direction did not extend to his own twin brother, however! I have never been able fully to comprehend their relationship. They are very different people.)  
(over)

Name (The Rev.) Alfred Trause Address DR. ALFRED TRAVERSE, Assoc. Prof.  
Assistant priest, St. Paul's Dept. of Geology & Geophysics  
Episcopal Ch., Philipsburg Pennsylvania State University  
University Park, Pa. 16802

(Please return this form directly to the Director of Admissions, The Williamsport Area Community College, 1005 West Third Street, Williamsport, Pennsylvania.)

On the negative side, I suppose I have hinted sufficiently above that Doug has a somewhat flippant and, on occasion, even supercilious attitude that could stand correction. I believe responsibility and independence will help--goodness knows he is already vastly improved over his behavior of just a couple of years ago. He tends to be a bit resentful of authority, but this is at least in part a reaction to rather strict parental supervision.

All in all, I like this boy very much, and I would take him if I were you, providing that his scores check out.

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

19 July, 1989

Dr. Pere Anadon  
Institut de Geologie  
jaume Almera  
CSIS  
Martí i Franquès, S/n  
08028 Barcelona, Spain

Dear Dr. Anadon:

Just received the enclosed manuscript by Robbins et al. from you. I don't recall having agreed to be a formal reviewer for the paper. I have had a long-standing policy against formally reviewing papers by my former students. Dr. Robbins is such a person. I do hope there hasn't been a misunderstanding, as I might well have told Dr. Robbins that I'd read the paper, pre-submission.

I have read the paper and can say that it seems quite interesting and novel and should be published in some form, somewhere.

Best wishes.

Yours very truly,

Alfred Traverse  
Professor of Palynology

AT/et  
encl: MS

Adress: Martí i Franquès, s/n.  
08028 Barcelona, Spain  
Apartat: 30102  
08080 Barcelona  
Telèfon: (93) 330 27 16  
Telefax: (93) 411 00 12

Dr. Al Travers  
Pennsylvania State University  
507 Deike Building  
University Park, PA 16802  
USA

7/7/89

Dear Dr. Travers

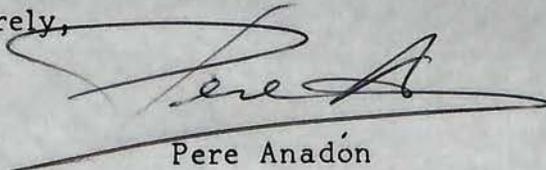
Enclosed please find one manuscript that has been submitted for publication in an I.A.S. Special Publication tentatively titled "Recent Developments in Lacustrine facies models. Economic aspects". Reviewer's appraisal forms are also attached.

Please review the manuscript and return it to the undersigned within three weeks. If you find it impossible to review the manuscript by this date, please return it to me immediately and I will obtain a new reviewer.

It is important that we strive for brevity as well as excellence in the selection of manuscripts to be included in the volume. Be particularly critical of unnecessary illustrations, tables and text that can be eliminated. Also consider the appropriateness of the manuscript for publication in this volume.

Please, complete the attached reviewer's appraisal form and add any additional comments and suggestions that you think are appropriate. If you do not find the form satisfactory, compile a separate letter discussing the main items listed in the reviewer's form. Please let me know if you do or do not wish to be known to the authors. Thank you again for your support and cooperation in this effort.

Sincerely,



Pere Anadón

May 12, 1976

Dr. E.N. Ananova  
Budapestskaja 9-14  
Leningrad 242  
USSR

Dear Dr. Ananova:

Thank you so much for the copy of "Pollen in Neogene Deposits", which I am very grateful to have. Actually, I had already seen a copy of the publication and had noticed the species of *Nyssa* named for me--what an honor! The publication is very useful to me in connection with my work on the cores from the Black Sea, which seem to penetrate into uppermost Miocene rocks. Thanks again for the book and the honor--and very best wishes.

Yours very truly,

Alfred Traverse  
Professor of Palynology

AT:jb

October 14, 1975

Dr. E. N. Ananova  
Scientific-Research Geographic-Economic Inst.  
Leningrad University  
Leningrad C-124, Smolnogo 3  
USSR

Dear Kr. Ananova:

I was recently reading "Pollen in Neogene deposits of the southern Russian platforms" and noticed Nyssa traverseiana Anan.

I don't recall having written you to express thanks for this nége honor—I am grateful and wish I had been aware of the honor so that I could have acknowledged it personally while I was in Leningrad this summer (at the Botanical Congress). Thanks you very much and best wishes to you in your work.

Yours very truly,

Alfred Traverse  
Professor of Palynology

AT:jb

XXXXXX

April 14, 1976

Mr. William G. Anderson  
University Marshall  
Wadsworth House  
Cambridge, MA 02138

Dear Mr. Anderson:

Thank you for yours of 5 April with further information regarding the Centennial Convocation of Juniata College. I look forward to receiving the "written greeting" which you indicate in paragraph three will be forthcoming.

Regarding academic costume--your statement rather startled me, and the "regulations concerning academic costume" which you enclosed is obviously out of date (1939--that was even before my time!) Note that it says that the doctor's gown is made of ~~black~~ silk", and I know very well from having bought my own doctoral regalia ten years ago that the color had changed to red by that time. I also observed at the last commencement at Harvard a good many Harvard doctors whose gown was essentially the same as mine--crimson--but whose cap was red to match the gown. Are you quite sure that this change has not readily taken place? I have a black cap, but had been led to believe that is is no longer "up to date". Not so? It's not a big matter, but one likes to be correct. (Were you also saying the red gown is wrong?) In fact, in this area of activity one had better do nothing than be incorrect! I am emboldened to bring up the question again only because the information in the little brochure that you sent is obviously wrong--unless the purveyors of Harvard doctors' regalia who inhabit the Square are pulling a fast one on us.

Thanks again for your letter. I look forward to the formal greeting which I am to deliver and, if you feel so inclined, more information for my edification on Harvard doctoral regalia, 1976! Best wishes.

Yours very truly,

Alfred Traverse  
Professor of Palynology

AT:jb

26 August, 1980

Dr. Robin Andrew  
Sub-Department for Quaternary Research  
Botany School  
Downing St.  
Cambridge, England CB2 3EA

Dear Friend:

Thanks for yours of 3 August. An order for the "Practical Pollen File...." has been entered. See enclosure.

Yours very truly,

Alfred Traverse  
Professor of Palynology

AT/et  
encl: xerox of order

Arrange  
from  
my  
grant

Sub. Department of Quaternary Research  
Botany School Downing Street  
Cambridge

3 August 1980

Dear AN Traverse

"The Practical Pollen File of the  
British Flora" is now ready for  
distribution

If you wish to have a copy  
will you be so kind as to send  
me by return a remittance of

£ 11 by Banker Draft drawn  
in Sterling payable in the U.K.  
and made out to "R. Andrew  
Pollen File Account"

A copy of the File will be  
despatched to you by surface  
mail

Thank you for your order

Yours sincerely

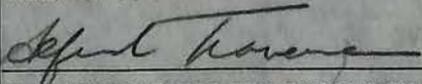
ordered  
8/26/80 Robin Andrew

PROPOSAL NO. DPP-8503281	INSTITUTION Univ Colorado at Boulder	PLEASE RETURN BY 02/15/85
PRINCIPAL INVESTIGATOR John T. Andrews		NSF PROGRAM POLAR OCEAN SCIENCES
TITLE Paleo-Oceanography of Baffin Bay, Northwest North Atlantic, Based on Diatoms		

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

This piece of research is well outlined, is worth doing and almost certainly will yield something novel and of value. The proposer's track record is good. The proposal is thorough—indeed I believe somewhat more information, data, etc., was presented than should be encouraged. (I doubt that any proposal needs more than 25 pages, but I see no evidence that 50-pagers are penalized.) The budget is certainly modest—a phase contrast microscope certainly must be available for this sort of work. I really have just a couple of (admittedly non-technical) problems with this proposal: 1) Dr. Andrews has far more NSF support already than seems correct to this currently non-funded scientist; 2) Dr. Andrews has 7 more proposals in!—the man must only write proposals!; 3) Ms. Williams, the doctoral candidate, is 45 years old. Why is a doctorate suddenly of importance to her?; 4) granted that a Ph.D. might come out of this work, why is it being billed as a Ph.D. proposal? Is this a ploy to avoid overhead, cost-sharing, etc. Sure looks like it to me (see p. 42); 5) why wasn't this put in with pending proposal 3, with assistantship-money (and overhead) for Williams? Where does Ms. Williams get her support? The empire-building I sense between and around the lines bothers me.

OVERALL RATING:  EXCELLENT  VERY GOOD  GOOD  FAIR  POOR

REVIEWER'S SIGNATURE 	DATE 5 February, 1985	REVIEWER'S NAME (TYPED) Alfred Traverse
OTHER SUGGESTED REVIEWERS (OPTIONAL)		Dr. Alfred Traverse Palynological Laboratories Pennsylvania State University 435 Deike Building University Park, PA 16802

REVIEWER'S COPY

20 April, 1979

Ms. Gina Anthong  
320 S. Case  
Norton, KS 67654

Dear Ms. Anthony:

I got your letter (undated) regarding your science class project. Ordinarily I might not answer this sort of inquiry because it is too general. However, I have a very soft spot in my heart for Norton, Kansas. One time, in 1955, my family and I were marooned on a Saturday in Norton when our car failed, and the local Dodge agency was exceedingly kind to us in helping us acquire a replacement car, get it licensed, etc., and I even had for a time an unofficial address in Norton in connection with the payments, etc. I will never forget the kindness of the various people in Norton who assisted us, and I will remember that Norton was a pony express station, and some other things about it!

Now getting back to your question about the Pennsylvanian period. That is a very general and large question. I would suggest that you look at the relevant chapters in any of the numerous good textbooks on earth history in an attempt to narrow your question down some. For example, there is a huge literature on Pennsylvanian coal alone, another on spores, another on ~~plants~~ megafossils, another on all of the sorts of animals that lived at that time. I think you might do best to read the xerox copy of a chapter from the text I am currently using at Penn State for historical geology (enclosed), try to sharpen up your question, and then ask for more information from someplace like the Field Museum of Natural History in Chicago, for example. You have some very well-exposed Pennsylvanian rocks in Kansas, and one of the leading authorities in the world on the plant fossils in them is Dr. Gilbert Leisman at Emporia State College (Biology Dept.), Emporia, KS 66801. Perhaps you could get in touch with Dr. Leisman after you have read the chapter from Levin.

Best of good luck to you with your report and greetings a generation later to the town that gladdened our hearts in 1955.

Yours very truly,

AT/et  
encl: xerox of Levin chapter

Alfred Traverse  
Professor of Palynology

Gina Anthony  
320 So. Case  
Norton, Ks.  
67654

Dear Professor,

My name is Gina Anthony and I'm in eighth grade. In science class we are studying a chapter on the geologic time scale and we are doing a project which involves picking a period from an era, writing to a college or university and asking them to send information on that period. I have decided to pick the Pennsylvanian period in the Paleozoic era. Any information including what specific plant and animal forms were living then, where the majority of the fossils were found and what type of sedimentary rock they were found in, would be appreciated. Thank you for your time and effort for helping me complete this project.

Sincerely,  
Gina Anthony

January 6, 1969

Mr. J. Aoutin  
2, Rue du Docteur-Labbé  
Paris (20e), France

Dear Mr. Aoutin:

It is embarrassing to me that I have not answered your letter of August 5, 1967, and acknowledged the manuscript which you sent to me at that time, with the numerous maps and so forth--"Les Pollens et les Spores der Sediments du Delta de l'Ogooue". I take this to have been your thesis.

I am not sure what disposition you wanted me to make of the thesis. It has been most interesting reading, and I am grateful to you for letting me see it. I suppose that you propose to have at least the essentials of the work published--that would seem desirable, since your results are from an area that seems to respond differently from the others on what palynological data for surface sediment have been published. In the meantime, is it possible somehow to refer to your work?

In your summary (p. 147) you state that your results differ from those obtained for the Nile--could you let me know what work that refers to? Perhaps I have just missed the reference, but somehow it doesn't seem familiar.

I do have a couple of procedural criticisms--in your graphs it has not been possible for me to figure out what the units are. I take it that in most cases they are expressed in percentages. In some instances, pollen per gram of sediment seems to be the means of presentation, but it is not clearly shown on the plates. For reasons which I have discussed in one of my papers on pollen in the sediment of the Bahamas (enclosure, p. 446) I would much prefer to see all the results expressed in terms of pollen per gram. It seems to me that is the only way we can secure comparability of the various results being obtained on pollen in recent sediment.

I also do not find--but it may be my poor command of French--a detailed statement about the nature of the samples on which you worked--were they surface "grab" samples, cores or what? I believe that information, plus more on your processing procedures, would have quite an important bearing on the interpretation of your results.

Mr. J. Aoutin

- 2 -

January 6, 1969

Once again, thanks you very much for letting me have this copy of your work. It has been of considerable interest and seems to me it would be well worth the effort of expanding the study with a broader coverage of samples--your work was, after all, based on a very small number of samples. And yet you seem to have the necessary understanding of the vegetation and geology of the area to do a thorough job.

Best wishes to you in your work. Hoping to hear from you again, I am

Yours very truly,

Alfred Traverse  
Associate Professor of Geology

AT:kwc

Enclosure: reprint

cc: Dr. Boltenhagen

J. Aoutin

2, Rue du Docteur-Labbé

Paris (20<sup>e</sup>)

Paris, August 5th, 1967

Dear Sir,

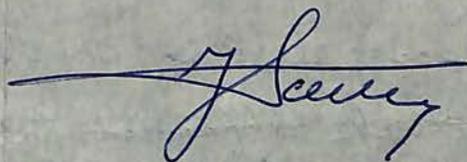
As Mr. Boltenhagen has written to you I beg to send you herewith the work offered for the obtainment of my diploma (under separate cover)

That is only a work of 'first analysis, including many lacunas. But I have reached to take out some sights in the spectral evolution of the spores and pollens, through the Igowe delta and Fernand-Vaz lagoon, including the mangroves and savannahs - that is the coastal region at an end and the freshwater 'former lagoon' and Renibo - N'Koni river at the other.

Hoping this document will interest  
you,

I am, dear Sir,

Yours truly,



J. Austin

22 September, 1981

Mr. Louis J. Appell  
P.O. Box 2026  
York, PA 17405

Dear Lou:

A couple of years ago I wrote or phoned you to discuss how much I miss the old Harvard alumni magazine. The Harvard Magazine that was visited upon us (without, as I recall, our being asked our opinion) is a fine magazine and certainly should be in every barber shop in the country. But I already was a subscriber to the Smithsonian Magazine, which HM greatly resembles. In fact, if the Harvard class notes and meager out-of-date sports news from the HM were stapled into Smithsonian, I'd have to pick S. as a little better than HM similarly equipped. Gee, that idea would save Harvard a bundle and help the Smithsonian a lot. Though I have no inside knowledge, I suspect the lack of a real house-organ hurts Harvard alumni activities. What at least this alumnus wants from Harvard is an unabashed house organ, with lots of stuff about Harvard, about Harvard alumni, by professors, by students, by alumni, and heavy doses of sports news and new building news, etc., etc....with a crimson cover, with a big H....

My wife is a Wellesley alum, and we hear constantly about the latest goings-on in, for example, the Wellesley greenhouses--and not necessarily just about the Nobel-prize winning research either.\* I hear so much more about Wellesley that I now partly understand why so many Harvard fortunes end up being donated to Wellesley!

But I must just be an old fogey because I'm sure--well, pretty sure--that Harvard has market-researched the situation....

All the best, Lou. Harvard surely owes you a big vote of thanks!

Yours very truly,

Alfred Traverse  
Professor of Palynology

AT/et

\*P.S. (from the above-mentioned Wellesley alum, alias et): can't resist the comment that while what Al says is true about the Wellesley Mag., it is beginning to lean in the direction of the Harvard format--Alas!

XXXXXX  
865-2342

27 October, 1977

Mr. Louis J. Appell, Jr.  
P.O. Box 2026  
York, PA 17405

Dear Lou:

Thanks for yours of 18 October. However, I guess we have a problem of failure of communication! I gather that I did not make it sufficiently clear that I am completely (100%) out of the schools and scholarship work until further notice, I suspect forever. It's just a question of it being impossible to carry two full-time jobs and also have extra-curricular activities. I know that you understand and presume that this just happened by chance, and I am turning over the forms for Christopher Fitzgerald to Doug Macneal.

Best wishes to you. Please drop in on us in Huntingdon some day.

Yours very truly,

Alfred Traverse  
Professor of Palynology

AT/et

October 6, 1972

Mr. Louis J. Appell, Jr.  
P.O. Box 2026  
York, Pennsylvania 17405

Dear Louis:

Thanks for yours of 2 October. Jon Gunnemann's address is as follows: (and the absence of the h in Jon is not an accident; that's the way it is) Mr. Jon P. Gunnemann, Department of Religious Studies, 164 Burrows Building (after 1 November, 1012 Liberal Arts Building), Pennsylvania State University, University Park, Pa., 196802. Home address: 110 East Foster Avenue, Apt. 514, State College, Pa., 16801 Phone numbers: home--814-237-8225; office--814-865-2821.

I will also flash off a letter to Cambridge telling them about Jon.

Yours very truly,

Alfred Traverse  
Professor of Geology & Biology

AT/wsi

cc J.P. Gunnemann

September 27, 1972

Mr. Louis J. Appell, Jr.  
P.O. Box 2026  
York, Pennsylvania 17405

Dear Louis:

This is to let you know that John Gunnemann, of the class of 1962, who is a Professor here at Penn State, will be helping me with the schools and scholarship work in this area. I believe that we have previously talked about John when Brad Howe wrote me about him following our reunion this summer. Specifically, I have asked John to take a crack at getting a foothold in Lewistown High School and in Chief Logan, also in the Lewistown area. I know that you originally told me that our area was intended to be Centre and Mifflin Counties, but Tyrone is actually nearer to us than most of Mifflin County, and it seemed appropriate to me to ask John to establish some sort of rapport with Tyrone as well. I had noticed some articles in the paper about National Merit Semi-finalists over there and thought that we should be checking them out. If this is infringing on someone's territory, please let me know, but I seem to recall having discussed it with you before and that you agreed that Tyrone (being less than 20 from here) is in our natural area. I am going to make some further efforts to get established at some of the other high schools in this county where I have not previously made contact--they are long shots, but one should never overlook anything, I suppose. I tried a new dido this year of having my son, Paul, make the preliminary visitation at State College High School before he returned to Harvard, and reports have it that he was extremely successful and made a very good impression. I am kind of toying with the idea of doing this on a more extended scale next year or possibly at Christmas time.

Mr. Louis J. Appell, Jr.

-2-

September 27, 1972

Hope everything is going well with all of you down there. I'm sorry that I didn't make it to the picnic this year. It just wasn't possible.

Yours very truly,

AlfredGTraverse  
Professor of Geology & Biology

AT/vsi  
cc Prof. J.P. Gunnemann

August 3, 1971

Mr. Louis J. Appell, Jr.  
P.O. Box 2026  
York, Pennsylvania 17405

Dear Louis:

Got your recent letter regarding renewed efforts for the Harvard work and, more specifically, regarding the interesting sounding dinner meeting at your house on the 26th of August. Most unfortunately, however, I plan to be on a combined field trip and short vacation in Alberta at that time. We are expecting to return to State College on 1 September, so I guess I will have to miss the meeting. Rest assured that you can count on me for whatever assistance I can be in the coming year however. Our failure to get even a nibble with our candidates this past year may hurt a little, but I will do the best I can. It is true that none of the people I talked to were up to the candidates of the previous year, although it may be of interest to you to know that Les Timpe was admitted with a scholarship to Princeton, and Dave Batt was selected for the five-year medical program at Penn State, a very selective group of 30 boys from all over Pennsylvania. (My son, Paul, was awarded the same thing last year but, as you know, declined.) In retrospect, I think Batt was the strongest candidate we had this past year, and perhaps I should have plugged for him harder--not only a good student but also an outstanding athlete in track.

Have a good summer (what's left of it!).

Yours very truly,

Alfred Traverse  
Professor of Geology & Biology

AT/vsi

P.S. Paul, by the way, produced group II grades this year, as well as playing a 1st violin in the H-R-O and an active role in various other activities and carrying a job.

APR 27 1971

April 27, 1971

Mr. Louis J. Appell, Jr.  
P.O. Box 2026  
York, Pennsylvania 17405

Dear Louis:

Thanks for your note regarding Les Timpe. I still am wondering why Cambridge did not request us to interview the fellow. I note from my files that I wrote you on 21 January indicating my willingness to prepare such a report for him, on the basis of an interview I did "just in case" before he left for Switzerland. Some day I would also like to hear from you how you assessed the Sitkin case. I thought inasmuch as he could pay his own way that he would be a strong candidate, but somebody must have known something about him, that I didn't. Your comments would be helpful.

Best wishes to you and your "election campaign". I gather from the Harvard Alumni Bulletin that membership on the Board of Overseers may be something of a hot spot before your term of office would expire! Best wishes as always.

Yours very truly,

Alfred Traverse  
Professor of Geology & Biology

AT/vsi

January 6, 1971

Mr. Louis J. Appell, Jr.  
Chairman, Schools Committee  
P.O. Box 2026  
York, Pennsylvania 17405

Dear Louis:

I have completed the interview for Jeff Sitkin. A copy of it was sent under separate cover. Despite his rather low board scores, I would think his football ability plus obvious general attractiveness might tip the scales in his favor.

I'm sorry that in my previous letter I was not as specific as you would have liked regarding the boys I have already talked to informally in State College. One who seems to me to be a strong candidate is Dave Batt, who is a very accomplished cross-country runner, a National Merit semifinalist, and obviously a strong person. Both he and his father have been calling me about how to fill out application forms, and I think we can be pretty sure that he will apply. The other strong candidate, also a National Merit semifinalist, is Nick Morgan, who is a very personable and obviously very talented young man despite his age of only 16. He's quite well known in this general area as a classical guitarist (whatever that is), and recently won some kind of a national award for his apparently genuine great ability at writing fiction. There will probably be some other applicants too, but those are the two best, and both of them seem to me to be clear admit. Tony Stemberger, also a National Merit semifinalist, will probably apply, and it will be rather hard to know what to do with his application because he has very high board scores and seems to have considerable support from the faculty at the local school, but I don't think he is nearly as attractive an applicant as either of the two others I have mentioned.

Mr. Louis J. Appell, Jr.  
January 6, 1971  
Page 2

I am sorry that I wasn't able to make it to any of the social events over the holidays. It's just too far in the rather uncertain weather, and I have many other obligations. Paul, in particular, would have liked to have attended the affair for returning students et al. Maybe next time. Best wishes to you for a prosperous and happy 1971.

Yours very truly,

Alfred Traverse  
Professor of Geology & Biology

AT/vsl

# Harvard Club of Central Pennsylvania

P. O. Box 2026, York, Pa. 17405

February 18, 1970

The Rev. Alfred Traverse  
P. O. Box 967  
State College, Pa. 16801

Dear Al:

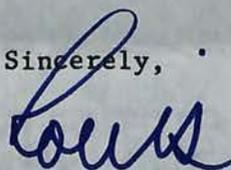
I am very sorry to hear that you won't be able to attend the March meeting. Our paths seem destined not to cross for one reason or another.

I appreciate your comments on the two boys. Closer to the date of the meeting I may want to discuss them with you on the telephone, in the event that the information from Cambridge is incomplete.

I also appreciate your gracious comment about Paul. Based on his interview, he seems like a darned good candidate. Let's hope he makes it.

Best wishes.

Sincerely,



Louis J. Appell, Jr.  
Chairman, Schools Committee

August 27, 1969

Dr. Louis J. Appell, Jr.  
P.O. Box 2026  
York, Pennsylvania 17405

Dear Dr. Appell:

This letter is to inform you that Dr. Alfred Traverse is out of town (Seattle, Washington), and will be returning late on Thursday, September 4. Unfortunately, he will not be able to attend the annual Club Picnic.

After talking with him on the telephone today, he asked that I tell you that he is still "hoping one of these years to come".

Sincerely,

(Mrs.) Karen Copenhaver  
Secretary for  
Dr. Traverse



# HARVARD CLUB OF CENTRAL PENNSYLVANIA

P. O. Box 2026, York, Pa. 17405

January 30, 1968

To Members of The Schools Committee:

What's happened to all the interview forms that I have sent out? To date some twenty-two have been distributed to various members of the Committee, but so far no more than two have been returned.

If our interview function is to have any meaning and significance in the admissions process, these forms must be returned at the earliest possible time. If you have some reports not yet completed, please get started right away.

Please mark your calendar for March 16, which will be our annual meeting to rank our area candidates. As usual, the meeting will be at our headquarters in Bill Murray's office at 1600 North Second Street in Harrisburg. The starting time will be 10:00 o'clock A.M.

Please be sure to make a record of this date and reserve it, as it is important for as many members of the Committee as possible to be present.

Best regards.

Sincerely,

Louis J. Appell, Jr.  
Chairman, Schools Committee

*file* →

100% Cotton  
Fidelity Union Skin  
Schools

August 25, 1967

Mr. Louis J. Appell, Jr.  
Chairman, Schools Committee  
Harvard Club of Central Pennsylvania  
P.O. Box 2026  
York, Pennsylvania 17405

Dear Louis:

Of course you may put me on the Schools Committee. I only wish I could promise to do some real legwork as I used to do in the "old days" in North Dakota, but my life at the moment is a little too complicated for that. Perhaps again in the future it will be possible? I even fear that I am wretchedly out of date vis a vis Cambridge affairs. It was appalling in a recent Alumni Bulletin to note that Fred Glimp, who was in college with us, and therefore obviously a recent graduate, is now a grizzled veteran and Dean of the College after a distinguished career as Dean of Admissions.

I'll look Mr. McDonald up one of these days. Best wishes.

Yours very truly,

Alfred Traverse  
Associate Professor of Geology

AT:kaw



## HARVARD CLUB OF CENTRAL PENNSYLVANIA

P. O. Box 2026, York, Pa. 17405

August 23, 1967

The Rev. Alfred Traverse  
P. O. Box 967  
State College, Pennsylvania 16801

Dear Al:

As result of our phone discussion earlier this year, I have taken the liberty of including you on our Schools Committee for the coming year.

Essentially, your assignments will be to interview candidates in the State College area. We have another member in State College by the name of Joseph A. McDonald whose address is 520 South Fraser Street. I will attempt to split up the assignments between the two of you.

Naturally, if you want to do any contact work with Guidance Counselors as time permits, this will be appreciated. You will receive a kit of material from Cambridge shortly and I will have additional supplies available in my office should you need them.

If I have assumed too much in putting your name on the list, please let me know as I don't want to coerce anyone into serving.

Best wishes.

Sincerely,

Louis J. Appell, Jr.  
Chairman, Schools Committee

December 5, 1967

Dr. E.E. Appleman  
U.S. Geological Survey  
Washington, D.C. 20242

Dear Dr. Appleman:

I was among those who heard your paper at the New Orleans G.S.A. meeting, entitled "Geologic information storage and retrieval in the U.S. Geological Survey." Inasmuch as we are contemplating applying data retrieval techniques in the future operations of our catalog, I would be very interested in having whatever information you may have in handout form about the U.S.G.S. work in this area.

Yours very truly,

Alfred Traverse  
Editor  
Catalog of Fossil Spores and Pollen

AT:kwc

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

29 November, 1988

Aramco World  
Box 3725  
Escondido, CA 92025-0925

Dear Friends:

In connection with my work with Aramco-supported graduate students and for general interest, I would like, if possible, to start getting your magazine.

Yours very truly,

Alfred Traverse  
Professor of Palynology

AT/et



The Pennsylvania State University  
Department of Geosciences  
503 Deike Building  
(814) 863-7823 [FAX]  
Date: 5-XII-91

Marked here if urgent reply is requested.

**Fax Transmission to:**

Name: Faisal Al-Mannai  
Company/Institution: Aramco Services Co., Houston  
Department: \_\_\_\_\_  
Fax Number: 713-432-4211  
Phone Number: \_\_\_\_\_

**Transmission from:**

Name: Alfred Traverse  
Phone Number: 814-864-3419

**Total Number of Pages (Including Cover Page):** 2

**Message:**

Dear Friend:

Per your secretary's offer of help over the phone, would you kindly retransmit (by fax) the next page to Mr. Said Al-Hajri, my recent graduate student?

Thanks.

Yours very truly,

Alfred Traverse  
Professor of Palynology

\*If any portion of this transmission is unclear, please call \_\_\_\_\_.

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

16 February, 1988

Dr. Ahmed A. Fouda  
Aramco  
P.O. Box 8947  
Dharan, Saudi Arabia 31311

Dear Dr. Fouda:

Thanks for yours of 30 January. I appreciate Dr. Evitt's recommendation.

Getting a Master's Degree in Geosciences here, with a specialization in palynology, is quite possible. The prospective candidates would have to apply and be accepted through our Committee on Admissions. I enclose some information about all that. I believe our program is very competitive.

I would be quite willing to meet with you here in March-April as you suggest. I will be gone 1-6 March and again, 18-21 March, but should be available otherwise.

Yours very truly,

Alfred Traverse  
Professor of Palynology

AT/et  
encl: information packet

File → ARAMCO

## ARABIAN AMERICAN OIL COMPANY

January 30, 1988

Prof. ALFRED TRAVERSE  
Pennsylvania State University  
Department of Geoscience  
University Park, PA 16802  
U. S. A.

Dear Prof. Traverse:

Dr. William Evitt has advised me to write you concerning study of the Master of Science in Palynology. I'm ARAMCO Training Coordinator for Exploration. We would like to have one or two of our newly graduated geologists to study Micropaleontology/Palynology.

Our candidates have degree in geology with a good GPA and most of them have been graduated from the University States universities.

I'm planning to visit the U.S. universities in March - April 1988, I would like to meet you during my visit and discuss the possibility of admitting our employees and the program for this study.

Please send me any material concerning Pennsylvania State University especially your program in the Micropaleontology with specialization in Palynology.

Thank you for your consideration and I appreciate your help in this matter.

I am looking forward to meet you in March - April 1988.

Sincerely,

*Ahmed A. Fouda*

---

AHMED A. FOUDA, Ph.D.  
Geophysical Specialist

c/o ARAMCO P.O. Box 8947  
Dhahran, Saudi Arabia 31311

AAF/dbt5  
152-1



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
FISH AND WILDLIFE SERVICE  
BUREAU OF SPORT FISHERIES AND WILDLIFE  
✓ ARKANSAS NATIONAL WILDLIFE REFUGE  
AUSTWELL, TEXAS

May 13, 1960

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

Dear Mr. Traverse:

Both Mr. Johnson, Refuge Manager, and myself were more than delighted to learn of your proposed contributions towards a refuge herbarium. We anticipate spending considerable time in a local flora study this summer and hope to establish a collection of the more common plants.

You are always welcome to visit the Refuge and we will certainly cooperate on any future studies if they materialize.

I would like very much to discuss our local flora with you and take advantage of your skills in this field. I shall plan on contacting you when next I'm in Houston.

Thank you for your generous offer and any future considerations you might extend to us.

Sincerely yours,

*Robert H. Shields*  
Robert H. Shields  
Ass't Refuge Mgr.

April 26, 1960

Aransas National Wildlife Refuge  
Austwell  
Texas

Dear Sirs:

Last year I had the privilege of spending one day at the Refuge, studying and collecting plant materials. At the time, I promised to provide the Refuge with a set of duplicate specimens for the proposed refuge herbarium. The mounted and determined specimens are now ready for distribution. I have heard, however, that you have had a change of management since my visit in 1959, and I should like to know whether you still wish the specimens in question. If you do not now plan to have a refuge herbarium and have no facilities for the preservation of these specimens, would you indicate what disposition you would like made of them? They could be deposited in the National Herbarium, or in the herbarium of the University of Texas, for instance. In any case, being the fruit of only a single day's work, it is not a very extensive collection. I appreciated working in the Refuge and hope I will be allowed to repeat the visit some day.

Very truly yours,



Alfred Traverse

AT:mpd

Shell Development Company  
Exploration and Production Research Division

cc. Dr. Higgs  
B file

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

12 October, 1992

Dr. Sergio Archangelsky  
División Paleobotánica  
Museo de Cs.Ns."B. Rivadavia"  
Av. A. Gallardo 470  
Buenos Aires, Argentina

Dear Dr. Archangelsky:

Many thanks for your recent reprints re Cretaceous megaspores, cuticle ultrastructure, etc. I appreciate being kept abreast, and am sending you herewith a much more humble offering of my stuff.

All the best.

Yours very truly,

Alfred Traverse  
Professor of Palynology

AT/et  
encl: reprints

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

4 April, 1989

Dr. Sergio Archangelsky  
Urquiza 1132  
1638 Vicente Lopez  
Provincia de Buenos Aires  
Argentina

Dear Dr. Archangelsky:

Many thanks for the packet of publications, read with great interest. "Carboniferous of the World" is especially useful to me.

I believe I already sent in a first circular form for the XII Congress. just in case I failed to do so, I enclose a copy.

Best wishes.

Yours very truly,

Alfred Traverse  
Professor of Palynology

AT/et  
encl: copy of 1st circular form

26 August, 1982

Dr. Sergio Archangelsky  
CIRGEO  
J.R. Velasco 847, 3rd Floor  
1414 Buenos Aires, Argentina

Dear Dr. Archangelsky:

Thank you so much for the recently arrived packet of reprints of papers by you and co-authors. It is evident that you are keeping very busy, and I appreciate your sending me your publications, so that I can keep posted on your activities.

Tom Taylor was herer~~e~~ for the palynological meetings recently, but I didn't have too good an opportunity tod~~d~~iscuss his recent trip to Argentina. I hope it was satisfactory.

Best wishes.

Yours very truly,

Alfred Traverse  
Professor of Palynology

At/et

# CIRGEO

*Centro de Investigaciones en Recursos Geológicos*

May 1978

Dear

I am pleased to inform you that a new Research Unit of Palaeobotany and Palynology has been established in Buenos Aires, CIRGEO (Centro de Investigaciones en Recursos Geológicos), under the auspices of the National Research Council, Education, Science and Culture Foundation and Miguel Lillo Foundation.

We have moved to the new laboratories a few months ago and are again continuing with our current research. My old colleagues and friends, J.C. Gamero, E.J. Romero (part-time), R. Leguizamon and A. Baldoni de Moreno (part-time), form part of the team, together with research students, three technicians, two librarians and a secretary.

All of us, continue with the same research programs as before. Therefore, our new address to send all your mail is:

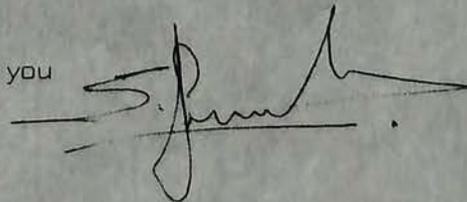
CIRGEO  
J.R. Velasco 847, 3rd floor  
1414 Buenos Aires - ARGENTINA

As we are building a large library devoted to Paleobotany and Palynology, with a system for information retrieval, any spare reprint of your papers will be much appreciated.

From August 1977, my personal address will change as well, since my family and I are moving to another house. So, please stop sending the mail to the Av. Santa Fe 3344 address, and send it directly to the CIRGEO or, if you prefer so, to,

URQUIZA 1132  
Vicente Lopez  
1638 Provincia de Buenos Aires  
ARGENTINA

Thank you



SERGIO ARCHANGELSKY

CONSEJO NACIONAL DE INVESTIGACIONES CIENTIFICAS Y TECNICAS  
FUNDACION MIGUEL LILLO  
FUNDACION PARA LA EDUCACION, LA CIENCIA Y LA CULTURA

Hunt Institute for Botanical Documentation

August 7, 1972

Gray Herbarium & the  
Arnold Arboretum of Harvard Univ.  
22 Divinity Avenue  
Cambridge, Massachusetts 02138

Dear Friends:

I am sending under separate cover the specimens of two species of Carya which you kindly loaned me for the purpose of my making pollen preparations. They worked beautifully. I seem to recall from talking with Dr. Wood some time ago that you prefer that sheets not be annotated in cases such as these, and I have not done so.

I greatly appreciate your helping me in this matter, and hope that I can call on you in the future for similar assistance.

Yours very truly,

Alfred Traverse  
Professor of Geology & Biology

AT/vsi

November 17, 1971

The Arnold Arboretum Herbarium  
Biological Laboratories  
Harvard University  
Cambridge, Massachusetts 02138

Dear Friends:

Is there any chance that you could spare me a smidgeon of polleniferous material for two taxa of the Juglandaceae in which I have a research interest--*Carya tonkinensis* and *Carya sinensis*?

Thank you very much.

Yours very truly,

Alfred Traverse  
Professor of Geology & Biology

AT/vsi

✓ THE ARNOLD ARBORETUM  
HARVARD UNIVERSITY  
JAMAICA PLAIN — CAMBRIDGE — WESTON  
MASSACHUSETTS, U. S. A.



22 Divinity Avenue  
Cambridge 38, Mass.

July 10, 1958

Dr. Alfred Traverse  
3737 Bellaire Boulevard  
Houston 25, Texas

Dear Dr. Traverse:

The problem indicated in your letter of July 3rd is settled very easily.

The specimen Purpus 8043 is Vismia mexicana Schl. It was collected near Vera Cruz in Mexico and belongs to the Guttiferae.

Sincerely,

Richard A. Howard  
Director

RAH/sw

16 February, 1979

Alfred Traverse

Dean Arnold  
328 Mueller Lab

Regarding yours of 7 February regarding the "frigid finger". The inventor of that is J. H. McAndrews, Dept. of Geology, Royal Ontario Museum, Toronto, Ontario, Canada, M5W 1A1. I don't seem to have a reprint in my files for the technique though I remember it very well. The thing to do is to pop off a letter to McAndrews asking for reprints and further information. He loves to talk about it and will probably send you lots of stuff. If he doesn't in some reasonable time let me know again and I will make a more exhaustive search.

THE PENNSYLVANIA STATE UNIVERSITY  
INTER-OFFICE CORRESPONDENCE

Date: 2/7/79

From: DEAN ARNOLD

To: AL TRAVERSE

When Geoff Norris was here we discussed the "frigid finger" core sampler as developed by the Ontario people (the inventor's name escapes me). Geoff said you'd have the reference - could you send me either a xerox copy or the citation? Thanks much. Enjoyed the lunch with your gang. While en route Huntingdon recently I noticed your mailbox, then the house and driveway. The latter must be quite a challenge these days! Looks nice.

Dean

February 21, 1972

Mr. Steven L. Arnold  
Department of Geography &  
Environmental Engineering  
Johns Hopkins University  
Baltimore, Maryland 21218

Dear Mr. Arnold:

Thanks for your of 16 February. I had indeed heard about your project with Dr. Brush, and it will be a pleasure to meet with you and talk about your research. Also, I am naturally wondering whether you plan to continue your palynological interests. If so, Penn State would be a good place for it, and since I have a joint appointment between geology and biology, I could arrange to be your advisor if that is what you had in mind. In any case I will be glad to see you on either the 1st or 8th of March, excepting only that it must be in the morning or else late in the afternoon or in the evening.

Looking forward to meeting you, I am

Yours very truly,

Alfred Traverse  
Professor of Geology & Biology

AT/vsi  
cc Dr. O'Mara



THE JOHNS HOPKINS UNIVERSITY

BALTIMORE, MARYLAND 21218

THE DEPARTMENT OF GEOGRAPHY  
AND ENVIRONMENTAL ENGINEERING

16 February 1972

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

Dear Dr. Traverse:

I am doing my master's research here at Johns Hopkins under Dr. Grace Brush's supervision. We are studying the distribution of modern pollen in the Chesapeake Bay, a project I am certain that she mentioned to you.

Last fall I applied to the Department of Biology at the Pennsylvania State University for admission to the Ph.D. program next September. I have written today (letter enclosed) to Dr. Joseph O'Mara to arrange for an interview with Dr. Fredrick Williams and members of the admissions committee. Would it be possible for me to see you for a short time to discuss my research? I have asked Dr. O'Mara to contact you and arrange interviews. Possible days are 1 March and 8 March 1972, both Wednesdays.

I will be grateful for any suggestions you can make. Thank you very much.

Sincerely,

Stephen L. Arnold

Enclosure



THE JOHNS HOPKINS UNIVERSITY · BALTIMORE, MARYLAND 21218

THE DEPARTMENT OF GEOGRAPHY  
AND ENVIRONMENTAL ENGINEERING

16 February 1972

Dr. Joseph G. O'Mara, Head  
Department of Biology  
205 Life Sciences I  
The Pennsylvania State University  
University Park, Pennsylvania 16802

Dear Dr. O'Mara:

I received a note on 19 January 1972 from the Graduate School Office confirming that my application was complete and had been forwarded to your office. I hope you have also received my Fall 1971 transcript, my fellowship application, and letters of recommendation. If anything seems to be missing, please let me know and I will try to get it to you immediately.

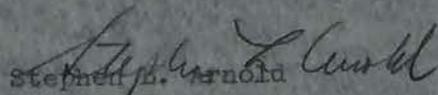
Now that I have adjusted to my second semester schedule, I would like to visit the University. I have looked over the list of research interests of the faculty which you sent to me, and I feel that Dr. Fredrick Williams is studying the area which is most interesting to me. Also, Dr. Alfred Traverse has done work that relates directly to my M.A. essay.

Neither my wife nor I have Wednesday classes. Would it be possible for your office to arrange appointments for me with Dr. Williams and Dr. Traverse on Wednesday, 1 March 1972? If that is a bad day, could arrangements be made for the following Wednesday, 8 March 1972? I would also appreciate the chance to meet you or any members of the Department's admissions committee. Since I will be driving from Baltimore early in the morning, any time after 10 A.M. would be fine. My wife, Nancy, will be with me.

Nancy will graduate in May with a degree in elementary education and she hopes to teach next Fall. If possible, we would like to speak to one of your newer married graduate students. They will probably be the most helpful people that we can see about such problems as housing and finding a teaching job.

Thank you for your efforts in my behalf.

Sincerely,

  
Stephen B. Arnold

cc: Dr. Alfred Traverse

Received: from scasd.k12.pa.us (polaris.scasd.k12.pa.us [205.173.168.2]) by pang  
Received: from [128.118.73.97] (ppp97.cac.psu.edu [128.118.73.97]) by scasd.k12.  
Message-Id: <199512060315.WAA21235@scasd.k12.pa.us>  
Mime-Version: 1.0  
Date: Wed, 6 Dec 1995 00:11:36 -0500  
To: ralley@essc.psu.edu  
From: tarnold@scasd.k12.pa.us (Thomas Arnold)  
Subject: Experimental Design  
Cc: traverse@ems.psu.edu  
Content-Type: text/plain; charset="us-ascii"

>Dick,

Read this over and give your comments. Could you speak to Dr. Traverese on our behalf. I am sending him a copy of this proposal. I hope that he might be in the position to be of assistance or recommend one who can.

To Dr. Traverese,

I will be following this later with a letter of introduction. If you need to get a quick fix on me and my ability to design and help students complete good research please talk with Roger Cuffie.

Tom Arnold

>

> George,

> Tony Barata called this evening and we agree that if we can pull this  
>off, it will require much analysis both in Norway and at the home university.  
>It will most probably be for later presentations.

> Tom

>

>Within the region of the Bonhusbreen glacier in Norway exists a proglacial  
>lake bed. Previous expeditions to the region have conducted studies of the  
>old lake bed and observed carbon deposits embedded within the varves. It was  
>reported that these deposits could possibly date back to the "Little Ice Age"  
>circa 1750. As preparations are being completed to return to this site in the  
>summer of 1996 with a student research team comprised of talented students  
>from the United States and Edinburgh Scotland, conderation is being given to  
>revisiting this lake bed.

> Discussion with the Scottish team leader has elicited the question as  
>to whether regions within a soil pit exposing the entire strata can be dated  
>using the carbon deposits. If these strata can in fact be dated, additional  
>inquiries emerged as to whether these strata or varve might provide some  
>evidence of the influence of pollution from the particulate matter emanating  
>from the coal furnaces of Britain during the emergence of the industrial  
>revolution. Specifically, could evidence within the varve be traced to  
>pollution sources originating in Britain and being carried via the air  
>currents to Norway. Implicit within the limitations of this investigation  
>would be that the proglacial lake bed demonstrate stata that date back to at  
>least the period of the Little Ice Age, and that some "marker" be available  
>that could be attributed to the combustion of coal. Furthermore, it would  
>have to be assumed that most of the evidence for coal combustion be attributed  
>to sources to the west of Norway and not within Norway.

> Discussions of this problem with members of the Penn State Nuclear  
>Engineering department indicated that resources and instruction could be  
>provided by its faculty members. These scientist would train a team of high  
>school students the techniques associated with C14 dating as well as provide  
>the basic instruction in nuclear chemistry required to complete the project.  
>As for the "point source" markers required to test for air borne deposits, the  
>faculty was able to suggest a source and technique that was pioneered by their  
>members. This source is the heavy metal arsnic. Arsnic compounds are  
>released from the combustion of coal. Through the process of neutron  
>activation of bed deposits, the quantity of arsnic can be calculated and

>compared to the expected environmental quantity. Again, the University would  
>assume the responsibility of educating the student research team on methods of  
>data collection and analysis to evaluate this hypothesis.

> One of the limitations of dating using C14 techniques is the need for  
>some collaborative dating. Initiatives are being directed toward learning to  
>date the varves using some techniques associated with pollen dating. Faculty  
>members at Penn State will be contacted to determine if it may be possible to  
>teach a different team of students concepts of pollen dating, data collection,  
>and data analysis.

> This research effort could be beneficial for providing a time line for  
>the valley that might enhance the biological and geochemical studies. In  
>addition, the data could be applicable to those investigators that might  
>cogitate upon the effect of the altered air quality and air borne pollutants  
>associated with the emergence of Great Britain into the industrial age. More  
>important however will be the opportunity for talented students from both  
>countries to engage in meaningful and challenging field studies that could  
>influence their college and graduate careers.

Thomas C Arnold, Ph.D  
814-231-5078  
State College Area High School  
814-234-2771  
650 Westerly Parkway  
State College, Pa 16801  
Work 814-231-5070

Phone: Work

Home

Fax:

Home 814-234-2771  
e-mail tarnold@email.scasd.k12.pa.us  
e-mail arnold@geosc.psu.edu  
Science Department WWW address  
<http://www.scasd.k12.pa.us/~tarnold/earth/>

Date: Fri, 8 Dec 1995 14:46:50 -0500 (EST)  
From: "Alfred Traverse" <traverse@ems.psu.edu>  
To: tarnold@scasd.k12.pa.us  
Cc:  
Bcc:  
Subject: projects  
X-NUPop-Charset: IBM 8-Bit

Dear Dr. Arnold:

It was very interesting to read your message of 6 Dec. and to learn of your interest in palynology.

I must tell you, however, that I am now emeritus in status and beginning to cut back here and there, although I still am very active and into many projects. To make a long story shorter, I am not interested in being a part of any of the plans you have that include palynology.

Best of luck.

Yours, Alfred Traverse

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

3 October, 1989

Dr. Roberto Arnstein  
CORPOVEN  
2. Piso - Laboratorio Geologico  
La Floresta  
Caracas, Venezuela

Dear Roberto:

A deceased colleague's (George R. Fournier) widow has given me his library--among other items, a number of reprints, photos, etc., re foraminifera. Our mutual friend, Carmen Moy, has suggested that you might like to have these publications. So, I'm shipping them to you under separate cover, with my and Penn State's compliments.

All the best to you. I remember you with pleasure.

Yours very truly,

Alfred Traverse  
Professor of Palynology

AT/et

XXXX

16 October, 1979

Mr. Roberto Arnstein  
Edificio Suere  
Laboratorio Geologico  
Corpoven  
Candelaria 1109-14057  
Caracas 101, Venezuela

Dear Roberto:

Thanks so much for the jet, and the great location data with the maps. I have a long-standing interest in jet, as you may know.

How about some more info, when you have time?

1. Does the jet occur in layers, or as isolated chunks? The piece you sent looks like float--a small stream-worn boulder. Right? Is that always the way it occurs--or does it occur in beds?

2. Are the enclosing rocks marine, as is usually the case with jet? Are marine fossils such as ammonites found in association?

It is good to know you're getting along all right in beautiful Caracas. All the best.

Yours very truly,

Alfred Traverse  
Professor of Palynology

AT/et

ously will necessitate changes, even if the changes are a simple addition of faunas or expansion of study time allowed per fauna. Most probably, I will conduct the course much the same way as last time, allowing more time to go into some topics or faunas in more depth, perhaps adding introductory lectures on some topics or expanding the proportion of time spent in discussions and seminars.

A factor that still bothers me about the course is the possible deleterious effect such an approach may have on Graduate Record Examination performance, since this examination still assumes memorization of ranges and names of a multitude of fossils.

Finally, I should reiterate that the investigative faunal approach is not presented as a panacea or as *the* best approach. Rather, I agree with T. C. Chamberlin (1965 reprint), who formulated the following attitude in his essay on "*The method of multiple working hypotheses.*"

"The search for instructional methods has often proceeded on the presumption that there is a definite patent process through which all students might be put and come out with results of maximum excellence; and hence pedagogical inquiry in the past has very largely concerned itself with the inquiry, 'What is the best method?' rather than with the inquiry, 'What are the special values of different methods, and what are their several advantageous applicabilities in the varied work of instruction?' The past doctrine has been largely the doctrine of pedagogical uniformitarianism. But the faculties and func-

*file as corresp.: Aronow*  
tions of the mind are almost, if not quite, as varied as the properties and functions of matter; and it is perhaps not less absurd to assume that any specific method of instructional procedure is more effective than all others, under any and all circumstances, than to assume that one principle of interpretation is equally applicable to all the phenomena of nature. As there is an endless variety of mental processes and combinations and an indefinite number of orders of procedure, the advantage of different methods under different conditions is almost axiomatic."

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*It is better to be tuffaceous than Triassic*

- Saul Aronow

March 7, 1969

Dr. Saul Aronow  
Department of Geology  
Lamar Tech.  
Beaumont, Texas 77701

Dear Saul:

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 grained 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

February 10, 1969

Esbeck  
Dr. Saul Aronow  
5590 Frost  
Beaumont, Texas 77706  
Onion Skin  
50% COTTON

Dear Saul:

Glad to hear that Harrison made another arrangement. I was beginning to worry about him.

Regarding the "other project"--the core should definitely be slided, and I would think that you all would want half of it for your investigation and for a reserve. In other words, I think it would be best for you to cut it. Half of the core would be a great plenty for my samples.

Should the thing go through, please be sure to give me more advice about how many samples you think they will stand still for at \$25 per. That will have allot to do with determining how to go about the work in order to give them the most for their money.

Best regards, as ever. I just got back from an interesting tour of North Carolina as AGI visiting scientist. Twas hard to leave the camellias and come back to 20° and blowing snow.

Yours very truly,

Alfred Traverse  
Associate Professor of Geology

AT:kwc

Saul Aronow  
5590 Frost  
Beaumont, Texas 77706

Jan. 30-69

Dear Al—

Mr. Harrison the subject of the last letter did take the final in Beaumont while I was off on a field trip in Corpus Area...Somebody else gave the final for me etc. Saw him yesterday at registration with another incredible tale right out of Abbey and her sister—he must ~~write~~ write for them. Please throw away the exam—or use it if you prefer!!

The other ~~project~~ project we are ~~still waiting~~ still waiting on—and we should hear about all this in a couple of weeks—however—anticipating some problems:

1. we expect to use a corer belonging to Rice Univ. that was modeled after one designed by Shell—it has an  $1\frac{1}{4}$  to  $1\frac{1}{2}$ " plastic liner in which the core will repose. Do you have facilities for extruding or slicing (that is down the middle) such a core?? Other wise we, we would slice it at Rice and repack it in Al foil, saran wrap, etc.
2. Should we slice the core and decide to retain ~~half~~ half of it and, say, it is an  $1\frac{1}{2}$ " dia. core—would you have enough sample in ~~the core~~ a half disc of mud  $1/2$ "-thick and  $1\frac{1}{2}$ "-dia. ~~the core~~??
3. Should these people decide to go ahead with the plans we recommend we hope to have a core (s) to you in about a month to 6 wks.

Yrs,

Saul Amor (file or copy)

phone corr. of 31-XII-60

Patron Byron Tiede &

A. Chafalaya

accumulation of pollen - loggy natural - could be  
used to date advent of agriculture?

wide estimate per sample : \$20.00 (too cheap)

96"

Home phone / 713-892-9141

September 27, 1967

Dr. Saul Aronow  
Department of Geology  
Lamar State College of Technology  
Beaumont, Texas

Dear Saul:

It was good to hear from you again. I often think of good times we all have had together and wish that there weren't so many miles between us now.

You have an excellent eye for talent. We in this section of the department have a very high opinion of Gil Smith. I discussed your letter with Bill Spackman, who is Gil's thesis adviser, and our mutual opinion is that Gil would be a natural for the job outlined.

I have no idea whether Mr. Smith would be interested in the opportunity, and have asked Dr. Spackman to discuss the matter with him when they are together in the field (in Florida) later this week. As Gil may have told you, he is doing a thesis on aspects of peat deposition in South Florida, and plans to be finished by a year from now or a little sooner--in other words, he should be available for the fall of 1968.

I suppose if you all have further interest in the matter you will contact Gil directly. This is simply to say that we consider him exceptionally talented and well qualified.

Please give our regards to Judy and the tads.

Yours very truly,

Alfred Traverse  
Associate Professor

AT/pk  
cc W. Spackman

*Bill - I would appreciate advice  
on this. Al*

Lamar State College of Technology  
Beaumont, Texas

DEPARTMENT OF GEOLOGY

September 22, 1967

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

Dear Al:

We are looking for a new staff member for February, 1968, if possible. What follows is a statement by Dr. H. E. Eveland from a letter sent to several geology departments this week. The "I" of the letter is H.

E. E.:

Lamar Tech enrolled more than 10,000 students this fall. The geology department has 105 majors, seven professors, and about 1000 students in the elementary and service courses. We occupy a whole floor in a new building, including two classrooms, four laboratories, a museum alcove, a drafting room, various store rooms, offices, etc. We will inherit the rest of the building in 1968.

Although the new man's principal interest should be in undergraduate teaching, we do encourage a continued interest in research and have modest funds available for its support. The college owns a motorboat suitable for field work on the inland waterways but not for work off shore. I do not anticipate that Lamar itself will establish an elaborate marine station; but other universities have excellent facilities nearby, which I am sure the new man could arrange to use on a co-operative basis.

The new man could expect to teach Elementary Geology, a senior course in Sedimentation--Sedimentary Petrology, and perhaps other courses suited to his background. Also, he should feel qualified to teach an elementary survey course in Oceanography as part of the Earth Science Teacher-Training program.

Dr. Alfred R. Traverse  
Page 2  
September 22, 1967

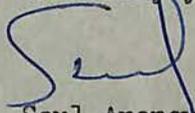
The applicant should expect to have completed all requirements for the Ph. D. degree by next September. The rank and salary will be suited to the applicant's training and experience.

I do hope that you know someone who will be interested. If so, please ask him to write so that I may furnish him with application blanks and further information.

I am writing to you because last April I met a young man named \* Gilbert Smith at the meeting of the Southeastern Section of the GSA who is getting his degree at your place and seemed vaguely qualified for the job. Do you know his degree schedule? Are there any more like him?

Regards to all!!

Sincerely yours,



Saul Aronow  
Professor of Geology

SA/gft

January 22, 1962

Dr. Saul Aronow  
Department of Geology  
Lamar State College of Technology  
Beaumont, Texas

Dear Saul:

Good to see you the other day.

Your specimen was determined as southern yellow pine--i.e., either Pinus taeda L. or P. palustris Mill. It is not possible to separate these on the basis of small samples, though if you had the whole trunk you could do it on the basis of the diameter of the pith, 0.2 inches in loblolly (P. taeda), 0.1 inches in longleaf (P. palustris).

Credit for the identification goes to Forest Products Laboratory, U. S. Department of Agriculture, Madison, Wisconsin.

Very truly yours,

Alfred Traverse

AT:nw

cc: Dr. Traverse ✓  
Dr. Higgs

Shell Development Company  
Exploration and Production Research Division

Date: Fri, 25 Apr 97 08:25:32 EST  
From: arthur@essc.psu.edu (Michael A. Arthur)  
To: traverse@ems.psu.edu (Alfred Traverse)  
Subject: Re: wine

Michael A. Arthur, Head and Professor:  
Department of Geosciences:  
Penn State University:  
University Park, PA 16802:  
(814-863-6054):  
(814-863-7823 FAX):  
arthur@geosc.psu.edu:

Al, thanks for the comments. I have a Riesling and a Chardonnay ready to bottle soon. Will you try another? (However, I agree that I shouldn't rush to establish a vinyard!). Hope your trip was really great! I love Italy as much as anywhere I've been--so chaotic! Cheers,  
Michael



THE PENNSYLVANIA STATE UNIVERSITY  
Department of Geosciences  
Inter-Office Correspondence

**Date:** March 3, 1995

**From:** M.A. Arthur, Head

**To:** Prof. Alfred Traverse

**Re:** Herbarium Storage

I returned from my trip to be greeted by your memorandum. Although I disagree with your approach on this, your strongly worded appeal has demonstrated to me the importance that you attach to the collection. This has helped me to make the decision as to where the collection should be housed. In order to ensure the coherence, safety and accessibility of the collection over the next 3 years or so, I will ask you to keep the Herbarium and related materials in the anteroom to your office. This will require that you move out the desk and other items that you have in there now. The Department will arrange to have the Herbarium moved to your office area by OPP prior to April 1, 1995, the deadline for completing the "cleanup."

cc: C. Vonada  
P. Luckie  
J. Bodkin

Fw: various items

Carol Vonada, Page 1

X-Nupop-Charset: English  
Date: Tue, 28 Feb 1995 11:09:19 -0500 (EST)  
From: "Alfred Traverse" <traverse@ems.psu.edu>  
Sender: traverse@ems.psu.edu  
Reply-To: traverse@ems.psu.edu  
To: cmv1@geosc.psu.edu  
Subject: Fw: various items

-----  
From: "Alfred Traverse" <traverse@ems.psu.edu>  
Tue, 28 Feb 1995 10:46:01 -0500 (EST)  
To: arthur@geosc.psu.edu  
Cc:  
BCc:  
Subject: various items

Dear Mike: I guess that I'll be out of here on Thurs. afternoon before I could see you again (I have class in morning). Therefore, I wanted to get something down about a couple of items: 1. The palynological herbarium on the landing above the fifth floor Deike is an extremely important collection with keys to many projects in this and other labs. If anything untoward happens to it despite my best efforts to find it adequate housing, I am prepared to give the event full news coverage and to engage litigative counsel. 2. So far, because I am a lame duck, I sense that I have no clout at all, and this will undoubtedly affect my ability to make progress at avoiding the problems hinted at in #1. 3. President Joab Thomas is making a formal visit to the palynological labs on Wed., 1 Mar., 11-12 a. m. I was just up to your office to invite you to drop by, but discover that you'll be out of town. Thanks for reading. Al Traverse.

Received: from seismic.geosc.psu.edu by pangaea.ems.psu.edu  
(4.1/PSU\_ESSC/GEOSC-2.02) id AA21741; Tue, 28 Feb 95 11:16:30 EST  
Received: from Mac-mailer (deike505.emsadm.psu.edu) by seismic.geosc.psu.edu  
(4.1/psu-essc&geosc-1.10) id AA18634; Tue, 28 Feb 95 11:16:29 EST  
Message-Id: <9502281616.AA18634@seismic.geosc.psu.edu>  
Date: Tue, 28 Feb 95 11:22:50 EST  
From: cmv1@geosc.psu.edu (Carol Vonada)  
To: traverse@ems.psu.edu  
Subject: ["Alfred Traverse" <traverse@ems.psu.edu>: Fw: various items]

----- Forwarded Message

X-Nupop-Charset: English  
Date: Tue, 28 Feb 1995 11:09:19 -0500 (EST)  
From: "Alfred Traverse" <traverse@ems.psu.edu>  
Sender: traverse@ems.psu.edu  
Reply-To: traverse@ems.psu.edu  
To: cmv1@geosc.psu.edu  
Subject: Fw: various items

-----  
From: "Alfred Traverse" <traverse@ems.psu.edu>  
Tue, 28 Feb 1995 10:46:01 -0500 (EST)  
To: arthur@geosc.psu.edu  
Cc:  
Bcc:  
Subject: various items

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----- End of Forwarded Message

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

I N T E R O F F I C E M E M O

Date: 8 July, 1992

To: Mike Arthur

From: Alfred Traverse

Subject: Your memo of 2 July re Biology 427

I have no comment about the "writing" aspects of this course-- seems a natural. However, I do have a comment about the fact that 427 is still co-listed as Geosc. It had that status when Roger Cuffey and I taught about 50% of the course. The present course has just two lectures about the "fossil record." These are presented by people I doubt are qualified to give them, and there is nothing at all about the most important aspect of land-organism evolution: the vegetation! I doubt that the present course should be a Geosc. course.

AT/et  
attachment

Fall Semester, 1992  
11:15-12:30 T Th, 214 Boucke

Instructors

Dr. Blair Hedges  
Dr. Carla Hass  
Teaching Assistant  
Ms. Sara Good

Textbook

Evolutionary Biology, 2nd edition, by  
Douglas J. Futuyma, Sinauer Associates

<u>Date</u>	<u>Topic (Chap. in Futuyma)</u>	<u>Date</u>	<u>Topic (Chap. in Futuyma)</u>
Aug 27 Th	Introduction/History (1)	Oct 20 T	Biogeography (13)
		22 Th	Biogeography (13)
Sept 1 T	Origin of Life (11)	Oct 27 T	Population Genetics (5)
3 Th	Origin of Life (11)	29 Th	Population Genetics (6/7)
Sept 8 T	Fossil Record (11/12)	Nov 3 T	Molecular Evolution (15)
10 Th	Fossil Record (11/12)	5 Th	Molecular Evolution (15)
Sept 15 T	Systematics (10)	Nov 10 T	Molecular Systematics
17 Th	Systematics (10)	12 Th	Molecular Systematics
Sept 22 T	Macroevolution (14)	Nov 17 T	Student critique session
24 Th	Heredity (3)	19 Th	Sexual Selection
Sept 29 T	Genetic Variation (4)	Nov 24 T	Coevolution (16)
Oct 1 Th	Speciation (8)	26 Th	No Class (Thanksgiving)
Oct 6 T	Speciation (8)	Dec 1 T	Hominid Evolution (17)
8 Th	Adaptation (9)	3 Th	Hominid Evolution (17)
Oct 13 T	Adaptation (9)	Dec 8 T	Biodiversity
15 Th	Mid-term Exam	10 Th	Final Reports due

Grading

	<u>Date or date due</u>
Mid-term exam	25% October 15th
Final exam	25% December xx
Report #1 (bibliographic search)	5% September 15th
Report #2 (speciation)	10% October 8th
Report #3 (biogeography)	10% October 29th
Report #4 (molecular evolution)	10% November 17th
Final report	15% December 10th
TOTAL	100%

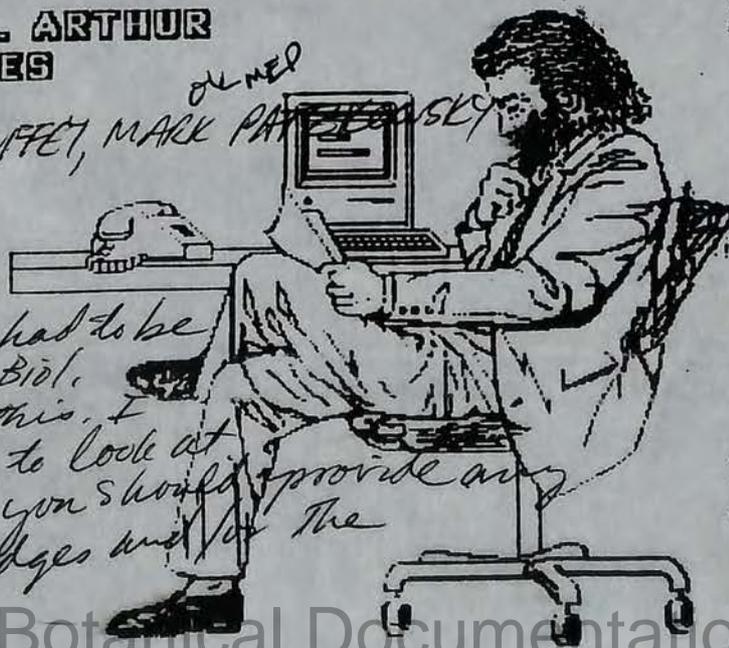
**DESK OF  
MICHAEL A. ARTHUR  
GEOSCIENCES**

AL TRAVERSE, ROGER CUFFEY, MARK PATRICKSON  
DATE: July 2, 1992

RE: THE ATTACHED

(Please pass on)

In your absence, this had to be done in a rush. The Biol. T.A. hand-delivered this. I asked for a copy for you to look at. This isn't finalized, so you should provide any comments to Blair Hedges and not the T.A.



*Inverse*

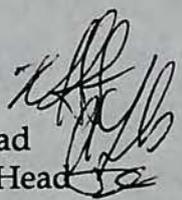
THE PENNSYLVANIA STATE UNIVERSITY

DEPARTMENT OF GEOSCIENCES

*Inter-Office Correspondence*

DATE: August 14, 1991

FROM: Michael Arthur, Head  
Al Guber, Associate Head  
Dave Egler, Associate Head



TO: GEOSCIENCE FACULTY

RE: TEACHING AND ADVISING

A number of you have expressed some frustration with the present curriculum (graduate and undergraduate), either because it is not clear what your teaching obligations could be or should be, what options are available for upper level undergrads (ie. requirements for certain curricular groups) in the new curriculum, and/or what courses should be dropped from or added to the curriculum (ie. those that are rarely taught or signed up for or critical courses not currently taught). In addition, we will soon experience some major faculty turnover. Some "teaching" faculty will almost certainly depart over the next few years, leaving significant voids in large-enrollment "service" courses--courses that buy us substantial credibility as a department what with our present low undergraduate enrollments. Who will take over the responsibility for these courses? In the meantime, the Earth Science major is burgeoning, growing at a rate much faster than the Geoscience major. How do we attract some of these students into the geosciences? It is clear that we must offer some dynamite core courses. Again, who will make the commitment to make these courses substantial but attractive to students?

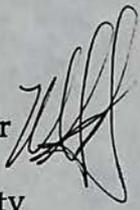
It is also apparent that within EMS there is a renewed emphasis on undergraduate education, witness CAUSE and other recent actions by the College administration. There is no doubt that greater scrutiny will be given to actual (i.e. demonstrable) student contact hours by the College administration as well as by the powers-that-be in Harrisburg, either in the classroom or in advising. At present, according to Dean Dutton, the average faculty course load for EMS is 2 courses per year. Of course, this represents to some extent the research mission of a number of the departments and the ability of some faculty to "buy back" their time through research grants and graduate student support. In theory, again according to Dean Dutton, the responsibility of each faculty member is to spend at least 50% time in teaching activities, with the other 50% going to research, public service, etc. A 50% effort means 20 hrs. per week, or about 4 courses per year. Some of you teach as

much as or more than this, either by choice or because that is your main contribution to the department. Others of the faculty have course loads more like the 2/year figure, or less. In principle, a load of 2 full courses/yr. (ie. not 2 team-taught courses) is acceptable as long as one has substantial demonstrable contact hours involved with graduate advising and the like. However, this is, in our view, a significant problem in the department because graduate students seem to want to take a minimum of course work, to "sit in" rather than to sign up for other courses of interest, and to take only those independent study or thesis credits needed for graduation. Unfortunately, it would seem that simply "supporting" a graduate student on research funds is not going to constitute demonstration of substantial contact hours, so we need to formalize the system a bit more.

The time has come to compile a number of statistics prior to launching into further extensive discussion. This is not a witch hunt! We are simply attempting to plan ahead and to develop a workable curriculum that will attract more Geoscience majors as well as to satisfy the accountability factor in advance. Therefore we would appreciate answers to the following questions (attached) from each of you. Please supply your answers to M. Arthur by **September 15th**. Thank you.

- 1.) Please supply a list of the courses, by year, that you have taught over the last 3 years (1988-89; 1989-90; 1990-91), the credit hours, number of sections and total enrollment and whether these courses were team taught or not.
- 2.) Please list the courses that you will be teaching this year.
- 3.) Are there courses that you would like to be teaching but are being taught by other faculty to your exclusion? What are they?
- 4) What courses would you like to see added to the curriculum that would attract a reasonable number of students? Are you willing to teach or team teach these courses?
- 5) What courses, if any, should be dropped from the curriculum because there is no one willing to teach them or there are no students interested in taking them?
- 6) Undergraduate advising (either in geosciences or earth sciences) is one of the important functions in which more of us should be involved. Are you interested in advising and willing to do a conscientious job at it (Note that credit is given for such contact)? This will become more important as the crop of undergraduate majors increases and senior thesis work becomes a major obligation. The same applies to the Earth Science major.

THE PENNSYLVANIA STATE UNIVERSITY  
DEPARTMENT OF GEOSCIENCES  
INTEROFFICE CORRESPONDENCE

DATE: May 3, 1991  
FROM: Michael A. Arthur   
TO: Geosciences Faculty  
RE: Opportunities

As discussed at the last faculty meeting, you should keep in mind that year-long sabbatical leaves are good for you and good for The Department. In light of our discussions, opportunities for future visiting faculty will depend on availability of salary funds released by leaves or sabbatical leaves. The major way a sabbatical leave benefits The Department is if that person is on leave for an entire year and one-half his/her salary is available to bring in a visitor. Otherwise, a one-semester or one semester/summer leave is, frankly, a pain in the neck for your students and colleagues, because of courses untaught and advising undone and the load being distributed to others.

Along these lines, Joyce Ivicic has a copy of USGS Research Opportunity Bulletin 91-A, which describes opportunities for one-year temporary employment (unfortunately as GS-12) with the USGS in a number of different locations and projects. This is the sort of thing that might make a good sabbatical. See Joyce if you are interested. The closing date for this round is 5/31/91.

MAA:jsi

THE PENNSYLVANIA STATE UNIVERSITY  
DEPARTMENT OF GEOSCIENCES  
PALYNOLOGICAL LABORATORIES  
435 Deike Building  
University Park, PA 16802  
phone: 814-863-3419  
fax: 814-863-7823

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

Date: 17 April, 1991

To: Mike Arthur

From: Alfred Traverse

I have seen a copy of Roger Cuffey's memo to you. I was not involved in its composition.

Your request needed a lot of clarification for me to respond. I left a note suggesting my need to have a personal discussion about what you were/are after. So far, I haven't heard back.

The word seems to have got around (I note it's in Roger's memo) that I am soon to retire! I have made no such decision! Indeed, after my sabbatical ends in July, 1992, as I understand it, I have to remain until at least Dec., 1994.

Clearly PSU should have somebody in paleobotany/palynology. Whether that person should be primarily in stratigraphy is debatable, that is if it's to be just one person. Ideally there should be a palynostratigraphic person, and at least one other paleobotanist/palynologist, with an interest in paleoclimates and related matters--that's a tie-in with Eric Barron's group (they have no interest in palynostratigraphy as such).

However, at the moment you have a palynologist/paleobotanist, and he has no current intention of leaving.

AT/et

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

6 March, 1991

Dr. Michael Arthur  
Head, Department of Geosciences  
etc.

Dear Mike:

Attached is a copy of the official letter re the award to me of the PSI Medal for 1990-91.

I priced a round-trip ticket to India by the various carriers--super-saver type--for next November. All are about the same, about \$1600, to which a couple hundred should be added to get me from port of entry in India to Lucknow.

Per our discussion earlier, I believe it would be foolish not to accept this award. It is really in large part a recognition of PSU's program in palynology-paleobotany. I must attend to give the expected lecture. I therefore hope and earnestly request that the university assist me substantially toward the cost of the trip. It has occurred to me that in addition to the sources you mentioned to me, Dr. Maxson of the Biology Department should be asked to contribute. I have a joint appointment with them, and this is at least as much a biological as a geological award.

Thanks for your help.

Yours very truly,



Alfred Traverse

encl.: copy of award letter

AT:at

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

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

Date: 11 February, 1991

To: Mike Arthur

From: Alfred Traverse

Documentation that my appointment as Fulbright Scholar for Spring Semester, 1992, did come through and is enclosed. After an avalanche of bad news in 1990, this is very welcome psychologically!--and it should be a rewarding experience!

AT/et  
encl



September 26, 1990

*M. Arthur*

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

*AL*  
Dear Geosciences Faculty Member,

As you know, I will arrive at PennState to become the new Head of the Geosciences Department, effective January 2, 1991. I wish I could be there sooner but obligations here make that impossible. I met many of you during the interview process, and at least some of you know of me and my research. However, because I do not know many of you very well, nor you me, I would like to take this opportunity to introduce myself. I would also like to offer a few concepts and directions that I envision as being important for the future of the department and would like you to be thinking about them before my arrival. Please keep in mind that all of these ideas are open for discussion, and I encourage any comments, criticisms or ideas that you might have. By no means should my comments be construed as a criticism of the department or any individual. I realize that PSU Geosciences has a past rich in excellence and tradition, things that an outsider cannot always appreciate, and I don't want to tread on sacred ground if it can be avoided. I only want you to consider these issues now so that we can begin making necessary progress soon after I arrive. In terms of getting to know you, your research and teaching accomplishments, and your own ideas for positive change in the department, I will schedule time to meet with each of you individually as soon as possible after my arrival.

First, I would like to say that I am tremendously impressed with the breadth and quality of the PennState Geosciences faculty. I am honored to have been a candidate for the Head position and very pleased to have been your choice (well, perhaps not all of you). Foremost in my decision to take the position is that I found the place very stimulating and diverse and would be proud to be a faculty member there. There is no doubt in my mind that the department is and will continue to be a powerhouse in the earth sciences, one that will have no problem attracting quality students and research dollars in a milieu of shrinking resources for both. However, it is both the department's great strength and its untapped potential that made the Head position attractive to me. I'm certain that with a few adjustments in mode of operation of the department and with the addition of critical faculty, it will be difficult to keep PSU out of the ranking of one of the top 5 geosciences departments in the country. Viewing the department from a personal standpoint; I liked most of all the people I met and will undoubtedly find it easy to interact with many

of you on personal and professional levels. Collegiality is an important aspect of life to me —one should enjoy what one does.

In taking the Head position, I have no intention of giving up research. Upon my arrival, I will make departmental affairs my first priority, but will also be involved in setting up my laboratory because I have ongoing research programs that require extensive analytical capability. A post-Doctoral associate will help me in that regard. I also hope to bring 3 of my PhD students to Penn State, but they and their families will probably not arrive until June or July, 1991. Two of them, will be in residence at PSU, supported on research grants, but are far enough along that they will receive their degrees from the Graduate School of Oceanography at URI; they will likely take courses of interest at PennState, however. The third student, who has a Masters degree from Indiana University in geochemistry, will likely apply for admission to Penn State for Fall, 1991, as he just arrived at GSO/URI this fall. In terms of teaching commitments I ultimately hope to be involved in one or more graduate and undergraduate courses, but I don't anticipate taking responsibility for courses for at least the first year or so. My research interests are rather diverse, but for the near future will revolve mainly around the interpretation of stable isotopic and inorganic geochemical signals in marine strata and unravelling global climatic and ocean chemical changes over the last 120 million years. One of my major programs over the next two years revolves around the study of geochemical fluxes across the sediment/water interface and phosphorite formation on the Peru margin associated with coastal upwelling in collaboration with several other investigators at other oceanographic institutions. I also hope to collaborate with a group of ESSC and Geosciences faculty on a study of paleoclimates and paleoceanography for a series of time slabs in the mid-Cretaceous that will involve data synthesis and modeling.

O.K., so much for the boring stuff, now what you've been waiting for, a few comments on a possible future. I have seen a draft of the "future plan" for the department that apparently has resulted from some geoscience committee activity at the urging of the College. In many ways, I don't think that this document is satisfactory, either in the specifics of what is needed or the justifications for it. In light of my coming to PennState and having to champion whatever plan the department adopts, I would like to see a complete revision of the document following some initial faculty discussions when I arrive. My own opinion is that the Geosciences Department should support or strengthen two important programs which, incidentally, will also augment the "classical" individual disciplines of geology, geochemistry and geophysics. However, I, frankly, would like to see us phase out thinking of those classical disciplinary divisions and begin to see the department faculty as a continuum of expertise in the earth sciences and as a potentially interdisciplinary body that will benefit by hiring competent faculty with some regard for disciplinary balance, but without that as the sole consideration. For the purpose of discussion, I will assume for now that a **minimum** of 7 faculty positions (8 counting the present position in organic geochemistry) will become available to the department over the next 5 years, either as the result of retirements or as possible new positions. I outline how I envision using these positions below.

- 1) I support hiring a top-notch organic geochemist and we should continue that search. Some of you may know that I have informally suggested to Simon Brassell (Stanford University), one of the top young organic geochemists in the US, that he give the department a look. He is willing to come out for a lecture in the near future but with no expectations on either side. Attracting someone like Simon would be a real coup for Geosciences and would put us at the forefront of molecular (biomarker) organic geochemistry. This would make PennState particularly strong in organic geochemistry because of the presence of Pat Hatcher in Fuel Sciences (with part-time Geosciences affiliation) already. There is no doubt that Simon Brassell, or someone of his ilk, would complement my own research interests.
- 2) I would use 2 of the vacancies to create four (4), half-time post-Doctoral scientist positions in the department. These would be available to faculty who could raise the funds to support the other half and would require a two-year commitment. These positions would have to rotate so that no one faculty member could have two consecutive 2-year post-Docs unless no one else came up with the support necessary. Post-Doctoral scientists are an important way to continually revitalize the department by bringing in talented, ambitious and productive young scientists with new ideas and different backgrounds. In addition, they serve as potential emissaries who, if their experience in the department was positive, will recommend PennState to their future students (they also are commonly asked to participate in rankings of departments). Last but not least, the positions provide a way in which we can evaluate a pool of largely untested young scientists for possible future hiring on the faculty.
- 3) On the basis of my visits to the department I can see that all of you have great respect for Eric Barron and his role in building the ESSC. It is no secret that I also admire Eric, his research, and the strong positive influence that he has had on the department and the college. PennState's ESSC has already developed a major national reputation and there is no doubt in my mind that nurturing this center by further judicious hiring of excellent young geoscience faculty should be a major goal for the department. The perception of the external community is that PennState made a very wise move in creating this center, doing it before it has become the vogue. Most of you will readily comprehend the many good reasons for adding selected faculty with ESSC affiliations, which include the likelihood that major funding initiatives for global change research will continue over the next 10 to 15 years and that a significant proportion of the student talent pool will be attracted to this field. My feeling is that 2-3 positions should be filled in fields that would complement the ESSC focus: 1) a "Seawater Paleochemist"—a person to complement the hydrosciences component; someone who uses geochemical tracers in inorganic or organic components to follow fundamental processes, particularly past variations in rates of chemical weathering and runoff to the oceans; 2) an "Ice Core Paleochemist/Paleoclimatologist"—someone interested in high-resolution geochemical and/or stable isotope records from continental ice cores as a key to short- and long-term global paleoclimatological variations

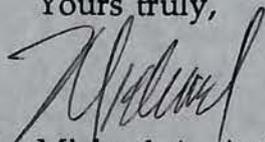
and/or paleoatmospheric compositions; this person would interact and collaborate with Richard Alley; and 3) a "Marine Micropaleontologist/Stable Isotope Geochemist—a person to interact with other ESSC and Geosciences personnel in high-resolution and/or long-term quantitative paleoclimatological studies. The three positions described above would take advantage of newly proposed research initiatives in NASA, NOAA and NSF as well as complementing existing ESSC and Geosciences faculty. Eric and I are proposing two new faculty positions to the University administration as part of this package.

- 4) One of the other important directions that we can take is to highlight our visibility in terms of basin analysis. There are a number of faculty who could be more formally associated with a "new" institute or center that I think we should propose, which could be called the "Basin Research Institute," Center for Research on Evolution of Sedimentary Basins", etc. (perhaps a contest for the best name and acronym is in order?). The center would be interdisciplinary and composed of a number of faculty in sedimentary geology, stratigraphy, geophysics, structural geology and some geochemists (e.g., organic geochemists). Such a center would be a not so subtle appeal for more industry recognition and support of research in sedimentary geology and related fields at PennState. In my opinion, we should position ourselves in that area because of the strengths, both observational and model oriented, that already exist in the department (and College as a whole), because of the tradition in industry appeal in the College, and because there will be a resource to be tapped in industry in the future and "readiness" will be a virtue. This will help support students while at PennState as well as helping employ them after receiving their degree. Again, I think that at least 2 positions would really strengthen ties between disciplines and enhance our appeal to industry; these positions are also designed to take advantage of a strong modeling component in sediment transport dynamics and basin evolution: 1) a "Seismic stratigrapher/ basin analysis" person who can interact with geophysics in reflection seismology and lend credence to basin-scale stratigraphic studies; it would be helpful if this person had industry experience and connections, perhaps to the extent of acquiring seismic data for the center; and 2) a "Low-temperature geochemist specializing in sediment diagenesis"—this person should be a data-oriented researcher examining basin-scale hydrochemistry and/or sediment/water interaction on a reservoir scale.
- 5) The remaining 2 to 3 positions should be used to strengthen other aspects of the geosciences, particularly in terms of replacing critical areas lost to possible retirements. One area that will need bolstering is that of stratigraphy-paleontology-paleoecology-evolution. I could see us examining the possibility of hiring a first-rate paleoecologist/evolutionary biologist who works on macro-invertebrates. Schools with strong programs in this area, such as the University of Chicago, currently attract many of the best students in this and related areas. We could do as well with one more strong individual and the spectrum of other expertise we do or will have. I have already mentioned a micropaleontologist,

along the lines of marine paleoceanography/paleoclimatology, but I suspect that we will want to continue PennState's strong tradition in stratigraphic palynology as well in order to maintain a strong link to the terrestrial realm. This would also bolster the basin research center and ESSC programs. Most of the positions I have mentioned add to strength in geochemistry, sedimentary geology/paleontology and geophysics. No doubt we will hear strong arguments for supplementing strengths in petrology, geophysics and structural geology as well.

My philosophy is to encourage openness in all matters relating to the department. For example, soon after I arrive, you will all be informed of the details of the budgetary situation and we will discuss ways in which we can improve departmental and individual resources. There are methods by which we can significantly increase funds for educational and research activities in the department. Likewise, I will want to discuss my expectations of you in terms of performance of teaching, research and service. My feeling is that excellence in any one or all of these areas should be encouraged and rewarded. Not everyone will have a high-powered research program, which commonly brings the most recognition, but you will each be expected to serve the department in some significant way. If that is accomplished by effective teaching and/or outstanding service to the University, I think that recognition is deserved. I don't like busywork or excessive paperwork, but I will institute an annual review for all faculty and staff in the department, and will ask you to rate me as well. The faculty review process will help me to recognize those who are active members of the department and those who are not, and will be used in decisions about salary, space and other faculty perks. The review will also help me to communicate my expectations of you to you, and you will know at least once a year where you stand. I look forward to these discussions and to enhancing the reputation and congenial atmosphere of the Geoscience Department. I hope that all of you will join me in this endeavor and others which I have in mind but don't have the time or space to outline now. I will be in the Department for a visit on October 9-12 and will have a bit of time to talk to you if you so desire. Please let Deb Detwyler (ESSC) know and she will keep some sort of list. Otherwise, I can be reached in Rhode Island most of the time at 401-792-6867 (or 6709; Rhonda, my secretary) should you want to discuss anything of importance to you. Thank you for your attention, and I very much look forward to working with such an august faculty in the Happy Valley.

Yours truly,



Michael A. Arthur  
Professor of Oceanography

That new chairman  
don't scare me none!  
He puts his pants on  
one arm at a time, just  
like the rest of us!!

Hank's  
right!

Darn tootin'!  
Let's ride!!



# THE HAPPY VALLEY

24 October, 1980

Mr. Henry Ash, Chairman  
Oil Shale Environmental Advisory Panel  
Rm. 690, Bldg. 67  
Federal Center  
Denver, CO 80025

Dear Hank:

Thanks so much for the bumper sticker, further information on the ISCDS and the information about the oil shale program which will be useful in my historical geology teaching.

You all have got to be the most hospitable people I have ever encountered. In retrospect, I'm sorry I spent so much of my time with you watching the World Series, though if you followed the newspaper accounts of 1,000,000 people celebrating the victory in the streets of Philadelphia you can understand a Phillies fan's obsession. I am also embarrassed about the pillow, and really it isn't worth shipping unless you can do it through the office. Fortunately, I managed to get through the night at Topeka and the night at Terre Haute without it. I also forgot to pick up my chocolate bars from your son, let alone pay for them! I had to buy a substitute in a Stuckey place for my wife's sweet tooth. Best regards to Jane, and all I've got to say about the Ashes is I don't understand how you keep your svelte appearance with that kind of a menu available. Come to see us at Penn State.

Yours very truly,

Alfred Traverse  
Professor of Palynology

AT/et

*File*  
A. ASHER & CO.  
SCIENTIFIC BOOKSELLERS  
386 HERENGRACHT  
AMSTERDAM (C.)  
NETHERLANDS

Mr. Alfred Traverse, Editor  
Cat. of fossil Spores and Pollen,  
Deike Building,  
Penna State Univ.,  
UNIVERSITY PARK, Pa. 16802/USA

Amsterdam, September 5th, 1967.  
KS:nw

Dear Sir,

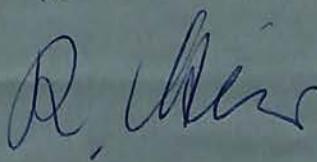
We received with thanks your letter of August 30th, AR:kaw and we have sent you today by surface-mail our latest catalogue XVI of antiquarian books, containing a section on General Botany and Cryptogams.

We have added to the catalogue our reprint-catalogue and a prospectus from our reprint-department.

We have noted your name, address and special interest for future catalogues and lists.

Sincerely yours,

A. ASHER & CO.



22 April, 1981

Ms. Kathleen Smith  
ASK Mr. Foster Travel Agency  
220 Calder Alley  
State College, PA 16801 USA

Dear Kathy:

Yours of (whoops, no date, but postmarked 14 April!) just came and was a great relief! Of course, we were sorry to hear that Michele is no longer with you, but we had guessed it, and are happy to work with you again as we have in the past.

The most urgent, important item, of course, was re our trip from New York to Huntingdon--armed with your letter we now know we can straighten it out in New York--thanks so much.

Re the Pan-Am tickets, NY-Sydney and return--great--except you don't provide the exact dates--but no problem, I can see you in S. College in May about that!

Re the Swissair ticket for my return trip to Zürich--again, you provide no dates, but I presume they are for more-or-less the 5th of June to Zürich and more-or-less the 15th of July for back to B&A. In case something should prevent my coming into your office by 19 May, I enclose herewith a check for \$681.00 for this ticket. (Will pick up the ticket along with whatever you have arranged State College-NY-return to connect with the Zürich flight, on or about 19 May as I mentioned in my previous letters.)

Once again, thanks for all your trouble. Looking forward to seeing you soon back in State College, I am

Yours very truly,

Alfred Traverse  
Visiting Professor

AT/et  
encl: check

15 April, 1981

Ask Mr. Porter, to  
State College, PA

Dear Friends -

Just occurred to me that  
our good agent at A.O.F.  
could be ill or something -  
so am also sending a copy of  
the enclosed to the general address of  
the firm.

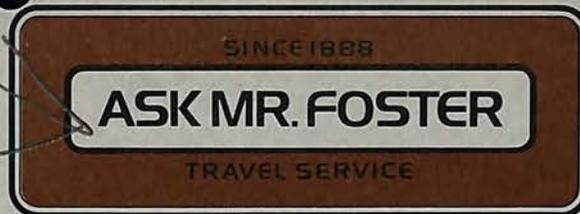
We are really worried that  
we never heard back from G &  
19 March letters - there hasn't quite  
been time from the last (2 April).

<sup>, somebody,</sup>  
Please, let us know about  
these things! OK to charge my account  
for the postage, of course.

Happy Easter!

Alfred Thomson

Visiting Professor  
ETH - Zurich - Biological Inst.  
5 Jonneckstrasse



220 Calder Alley, State College, Pennsylvania 16801

(814) 237-6501

Mr. Alfred Traverse  
Visiting Professor  
(Professor of Palynology  
Pennsylvania State University)

Feb. 20, 1981

Dear Mr. Traverse;

I had heard the mail between here and Europe was bad but 11 days is really ridiculous! I hope that this one doesn't take that long.

I guess I didn't add those previous figures together because you are absolutely right--it is cheaper from New York!

I called British Airways and they quoted me an APEX fare of \$1601.00 round trip from London to Sydney. They had never heard of that \$250 fare! Perhaps it was a charter price or some such thing.

On your trip to Turkey in April--from this end Swissair does not have any APEX fares between Zurich and Istanbul. They do have an excursion but it is about \$200 more. From Rome to Istanbul Alitalia has an excursion fare of approximately \$400 round trip. You must stay at least 6 days and not more than 1 month.

Let me know if you need any more information. We'll be glad to send you those tickets if you should need them.

Don't work too hard!

Yours very truly,

*Michele Di Martino*  
Michele DiMartino

*EST - interested? //*  
*AT*

DiMartino (Ask Mr. Foster), pg. 2

11 February, 1981

File  
Ms. Michèle DiMartino  
Ask Mr. Foster Travel Agency  
220 Calder Alley  
State College, PA 16801 USA

Dear Michele:

Section A: Thanks so much for yours of 30 January, which took "only" 11 days to reach me (letters from Australia are getting here in six days!)

Your letter does raise some additional problems, so I am writing again. (Please do put the postage on my account somewhere!)

You say (para. 2) that leaving from Europe might be to my advantage--but the facts don't seem to be in accord: (para.3) Qantas: Rome-Sydney \$910, Sydney-New York \$1280 = \$2190; (para. 5) Pan-Am Apex roundtrip New York-Sydney: \$1160. It looks as if that is about 2 times as much to go from Europe as to go from New York. Or did I miss something?

What prompted all this was that a colleague here said he had heard that one can go British Airways, London to Singapore, for some incredibly small fare (\$250?)--then one could go Qantas (or whatever), Singapore-Sydney. Presumably one could then return the same way, Sydney-Singapore-London. But it sounds as if \$1160 round-trip from NY would be hard to beat!

Whatever, I've got to go to Sydney next August somehow, and my intention is to get it worked out through you.

In any event, we will return to S.C. circa 20 May via Icelandic, per our tickets you got for us. But there is a way I could promote a more or less free round-trip back to Sydney during the summer, if a cheap Europe-Sydney-Europe deal were a real possibility. Let's bear what you think.

Section B: It is very hard work for me here. But there will be some recreation. For example, we are going to Turkey to visit friends in latest April. I believe you can save us money by booking that for us from State College?: Zürich-Istanbul (probably Swissair), return, Apex. Please quote price. The Apex fare if booked here is SF 669 return, or approximately \$335. Perhaps that is the best we can do, but we would be interested in a comparison figure if booked through you.

DiMartino (Ask Mr. Foster), pg. 2

Please reply immediately. I believe when we get your letter that I will send you a cablegram ordering the tickets for the Istanbul trip, if the U.S.-booked price is much cheaper than the Zürich-booked price. We would use our Visa or MasterCard to pay? There would still be time for the tickets to reach us airmail. On the other hand, if the price here in Swiss Francs is about the same as your dollar price, we will just forget it and work through an agent here, and just have you concentrate on the Sydney trip. In any event, thank you very much for your help.

Best wishes.

Yours very truly,

Alfred Traverse  
Visiting Professor

AT/et



220 Calder Alley, State College, Pennsylvania 16801

(814) 237-6501

Jan. 30, 1981

Mr. Alfred Traverse  
Visiting Professor  
(Professor of Palynology  
Pennsylvania State University)

1280.  
910.  
-----  
2190

Dear Mr. and Mrs. Traverse;

It was very nice to hear from you! I'm glad everything worked out for your trip to Luxembourg.

I checked into those fares for you. It seems that leaving from Europe might be to your advantage.

Quantas has a fare from both Frankfurt and Rome. From Frankfurt that fare is an advanced purchase excursion (APEX) one way of \$1050.00. August is peak season in Australia. This excursion requires a 30 day in advance purchase. This fare is from Frankfurt to Sydney, by the way. From Rome the same fare is \$910.00.

Now, this is only one way. There are no roundtrip excursions Rome-Sydney-New York. So, the only recourse we have is to book a one way from Sydney to New York. Quantas' fare for that is \$1280.00.

Now, if your trip was from New York to Sydney, PanAm has a round trip APEX fare of \$1160.00.

Of course, all these fares are approximate because they could change at any time and also until the entire itinerary is booked no exact fares are possible.

I hope that this letter answers your questions. If not, please don't hesitate to write to me again.

Have a wonderful time in Zurich and please stop by when you get back.

Sincerely,

*Michele*

Michele DiMartino  
Travel Consultant

5 January, 1981

Ask Mr. Foster Travel  
Calder Way  
State College, PA 16801 USA

attention Michele

Dear Michele:

Did we ever let you know that the Luxembourg deal worked out fine?  
The Hotel Terminus is very nice and right across from the railroad  
station--yet quite quiet.

Another question--I am planning on going to the International  
Botanical Congress in Australia next August. What would my comparative  
costs be to go from Europe--eastwards, instead of from Pennsylvania,  
westwards? Say, by Pan Am's around-the-world-flight from, say, Rome--  
or does it go to Australia?

Looking forward to hearing as soon as convenient (better use  
air mail). All goes well here.

Yours very truly,

Alfred Traverse  
Visiting Professor  
(Professor of Palynology,  
Pennsylvania State University)

AT/et

P.S. Please give our regards to Kathy, too. Both of you have been of  
great assistance to us during the past year.

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

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

Date: 2 April, 1990

From: Alfred Traverse, 435 Deike

To: Eunice N. Askov, 17 Old Main

Re: Faculty and Staff Campaign

It seems to me that somebody in my sort of shoes should respond to one of the "Faculty and Staff Campaign" letters, instead of just tossing them out without comment, as I have done for some time. So, in response to yours of 30 March, here goes.

When I came here in 1966 as an associate professor, I received a salary of "x." It was a good wage, any my wife, four kids and I were able to live quite well. Over the years I have received various increases of pay. I was promoted to full professor in 1970. I remain glad I came here and regard myself as loyal to PSU.

Nevertheless, I have had less purchasing power practically every year, so that now I have 70% as much as I did in 1966. Fortunately we no longer are 6 persons, only 2. My wife and I are, as in 1966, completely dependent on the PSU salary. In some sense, I regard this diminution of my real pay over the years as a contribution to PSU. But regardless of that, we are not in a position to make contributions of money to Penn State. Indeed, I have ceased practically all charitable contributions. I might take after my parents and live a long time--I'd better save my money for a rainy day. Those who are contributing to the campaign must have private means, double incomes, or short life expectancies.

AT/et



association of  
systematics collections

23 June 1977

Dr. Alfred Traverse  
Professor of Palynology  
The Pennsylvania State University  
Deike Building  
University Park, PA 16802

Dear Dr. Traverse:

Thank you for your letter of 16 June. We have received a plant fossil individual form and a vascular plant collection form from you. However, we would like you to fill out a vascular plant individual form also. This form has been enclosed for you to complete and return to us.

Thank you again for your participation in the Registry project.

Respectfully,

*Robert C. Dowler*

Robert C. Dowler  
Research Associate

*by Marlene S. Farmer*

enc

**MEMBER INSTITUTIONS**

Academy of Natural Sciences of Philadelphia  
Agriculture Canada (Biosystematics Research Institute)  
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American Museum of Natural History  
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**AFFILIATE MEMBERS**

American Ornithologists' Union  
American Society of Ichthyologists and Herpetologists  
American Society of Mammalogists  
American Society of Plant Taxonomists  
Society of Vertebrate Paleontology

5 November, 1976

Secretariat  
Association of Systematics Collections  
Museum of Natural History  
University of Kansas  
Lawrence, KA 66045

Dear Sirs:

This is to inform you that I have been replaced as chairman of Penn State's Committee on Systematic Collections, and hence as the Penn State representative to ASC, by Dr. K. C. Kim, Patterson Bldg., University Park, PA 16802. Dr. Kim was ASC representative before me and knows the ropes.

Yours very truly,

Alfred Traverse  
Professor of Palynology

AT/et



full  
↓

March 4, 1996

## EDITORS

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John A. Wade  
Geological Survey of Canada (Atlantic)  
P. O. Box 1006  
Dartmouth, N. S.  
B2Y 4A2

Dear John:

I am pleased to inform you that your manuscript, co-authored with D. Brown, A. Traverse, and R. Fensome, on "The Triassic-Jurassic Fundy Basin, eastern Canada: Regional setting, stratigraphy, and hydrocarbon potential" is now accepted for publication in "Atlantic Geology", and will appear in v. 32 #3. Thank you for making the effort to meet the reviewers' comments and shortening the manuscript significantly. In my opinion, the manuscript is much improved and represents a very significant contribution - thank you for choosing "Atlantic Geology" for publication of this important and interesting work.

I enclose an edited copy of the manuscript, and hope that you will be able to make the necessary changes on the diskette version that you submit. Most of the suggested changes are very minor and of a purely editorial nature, but I have a few other points, listed below, which I hope that you will consider.

1. A time scale was recently published by Okulitch (1995) GSC Open File 3040. You might consider adding this to Table 1?
2. The manuscript seems inconsistent in the use of Mid, mid, mid- and middle; would you please check these carefully?
3. Parts of the section on "Regional Tectonics" are rather dated, particularly the correlation of the Acadian orogeny with the docking of the Meguma terrane (p.7), the unmodified use of Williams (1979) subdivisions (p.6 and Fig. 2), and the section on subduction (p.10-11). Minor changes to these

sections, perhaps referencing some of the enclosed material, would improve this part of the paper.

4. Some of the faint line work and shading on figures will need to be darker in order to reproduce well (e.g. Fig. 5,6).

Graham Williams indicated that an invoice received in this fiscal year would be beneficial. Hence, I have asked Darlene to estimate the number of pages and produced the usual "reprint request" form which she will send to you separately. If you prefer to wait until we have a more definite page estimate, that's fine. Please let Darlene Feener know if you want an invoice immediately.

Sincerely,

Sandra Barr,  
Editor.

SMB/vei

c.c. G. L. Williams  
R. K. Pickerill  
D. Brown  
A. Traverse ✓  
R. Fensome

March 15, 1971

Atlantic Instrument Company  
20 Berwick Road  
Philadelphia, Pennsylvania 19131

ATTN: Mr. John Reber

Dear Sirs:

One of the sub-stage lighting units for the new binocular microscopes which we purchased earlier this year is not functioning, and we seem to be unable to trouble-shoot it. It is not the bulb. Will you have somebody take a look at it on your next trip to our campus? We are placing an order with you also for a supply of bulbs for these microscopes, and hope you will be on the lookout for it.

Yours very truly,

Alfred Traverse  
Professor of Geology & Biology

AT/vsi

January 7, 1971

*File*  
Mr. John Reeber  
Atlantic Instrument Company  
20 Berwick Road  
Philadelphia, Pennsylvania 19131

Dear Mr. Reeber:

The seven Olympus microscopes came and were in good shape, except for one, serial number 206051, which has "sticky" fine adjustment. I am hoping that you will be able to have somebody here to check this microscope out and replace whatever parts are necessary.

From what I have seen so far, these KHC microscopes are a big bargain! Best wishes to you.

Yours very truly,

Alfred Traversee  
Professor of Geology & Biology

AT/vsi



*File*

ATLAS CHEMICAL INDUSTRIES, INC

CHEMICALS DIVISION

DARCO EXPERIMENTAL LABORATORY  
DRAWN BY MARSHA  
TELEPHONE WISCONSIN 2144

September 14, 1967

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

Dear Al:

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

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

Yours very truly,

*Cliff*

C. W. Broughton  
Project Leader

CWB:ap



*File*  
↓  
**ATLAS CHEMICAL INDUSTRIES, INC.**

CHEMICALS DIVISION

MARSHALL PLANT  
P. O. BOX 790 · MARSHALL, TEXAS  
TELEPHONE WEBster 5-5204

June 30, 1967

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

Dear Mr. Traverse:

We have received your letter of June 16 requesting the opportunity to visit our mines in the Marshall, Texas area for the purpose of gathering lignite samples. This is quite agreeable to us and we will be pleased to assist you in every way possible.

We would appreciate your signing and returning the attached release and also, when your plans have gelled, further advice as to the precise date of your anticipated visit.

Yours very truly,

ATLAS CHEMICAL INDUSTRIES, INC.  
Marshall Plant

W. J. van Reenen  
Plant Manager

WJvR:das

Enc. 1

Fidelity Onion Skin

100% COTTON

June 16, 1967

*File*  
↓  
Atlas Chemical Industries  
P.O. Box 790  
Marshall, Texas

ATTENTION: MINE SUPERINTENDENT

Dear Sir:

Two years ago this summer when I was still with the University of Texas I spent part of a morning at the Darco mine, collecting lignite samples with the help of Grady Staggers for some paleontological studies. Despite the time-consuming business of moving and getting reestablished in a new job, I have spent considerable time studying the samples in question and plan to give a paper on the work at the geological meetings in New Orleans this fall (copy of the preliminary abstract enclosed).

I am planning to be back in Texas around the middle of July, and would like to revisit the Darco mine to get some more samples, if that would be all right with you, all. I would appreciate hearing from you.

Yours very truly,

Alfred Traverse  
Associate Professor of Geology

AT:kaw

Enclosure: Abstract

9 July 1965

Mr. W. J. Van Reenan  
Plant Manager  
Atlas Chemical Industries  
P.O. Box 790  
Marshall, Texas

Dear Mr. Van Reenan:

Thank you very much for guiding me through your plant in Marshall--the tour made my visit to the lignite mine in Darco more meaningful. Grady Staggers was helpful far beyond the call of duty at the mine itself, and I am grateful to him for the courtesies extended.

Yours very truly,

  
Alfred Traverse  
Geologist

AT/jt

9 July 1965

Mr. Grady Staggers  
Atlas Chemical Industries  
P. O. Box 790  
Marshall, Texas

Dear Grady:

I very much appreciate all of your help the other day--especially the plastic tubing! Next time, I plan to have some sort of plastic bagging and a small drum, to say nothing of a better shovel and a miner's pick! Good luck until we meet again.

Yours very truly,



Alfred Traverse  
Geologist

AT/jt



ATLAS CHEMICAL INDUSTRIES, INC.

CHEMICALS DIVISION

MARSHALL PLANT  
P. O. BOX 790 · MARSHALL, TEXAS  
TELEPHONE WEBster 5-5204

June 28, 1965

Mr. Alfred Traverse, Geologist  
The University of Texas  
Bureau of Economic Geology  
University Station, Box X  
Austin, Texas 78712

Dear Mr. Traverse:

We have for acknowledgement your letter of June 25, and we can advise you that you will be welcome to visit our lignite strip mining operations here in Marshall. Your date of July 7 is satisfactory to us; and therefore, we expect to see you sometime that Wednesday. Our supervisor of these operations is Mr. Grady Staggers who will be advised of your visit.

Yours very truly,

W. J. van Reenen  
Plant Manager

WJvR:das

25 June 1965

Atlas Chemical Industries, Inc.  
c/o Darco Activated Carbons  
University Avenue  
Box 790  
Marshall, Texas

Dear Sirs:

In connection with some research I am doing with Tertiary coals, I would like to visit your Darco mine for a few hours, and do some sampling from a fresh-cut face. How would Wednesday, July 7, be? If that day is inconvenient, could you suggest another, later, date?

Yours very truly,

Alfred Traverse

AT:jt

Department of Geology  
University of Ghana  
P. O. Box 58  
Legon - Accra  
Ghana.

16th March, 1994.

Pennsylvania State University  
Department of Geosciences  
Palynological Laboratories  
435 Deike Building  
University Park, PA 16802  
U. S. A.

Dear Prof. Traverse,

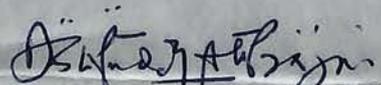
Thank you for your letter dated 31st January. It arrived with both manuscripts and also the Xerox copies of your articles.

My sincere sympathies to you and your wife on the death of her mother. Thanks very much for reading through my papers, I have taken the comments and suggestions very seriously and would improve on them. I am also grateful for recommending a place for publication. I am happy about the remarks you made about the paper considering the fact that I have problem both with literature and equipments. Thank you also for furnishing me with addresses of Drs. Wicander, Batten and Dettman who can also help me out in the field of palynology.

Prof. I am seriously considering the Ph.D programme I talked to you about on the basis of joint programme between the University of Ghana and Penn State University. This means I would have to register as Ph.D Candidate with the University of Ghana, with you as my supervisor. This joint programme exist and I am sure there is funding for it. This will give you the opportunity to come and to give me directions here as well as me also going to Penn State for my data analysis and interpretation. This part of the programme cannot be done in Ghana because of lack of equipments and literature. I am still talking to my Head of Department and the Dean of the faculty. When they give me any concrete steps to take, I would let you know about it.

Thank you in advance.

Yours Sincerely,

  
.....  
DAVID ATTA-PETERS

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

31 January, 1994

Mr. David Atta-Peters  
Lecturer, Department of Geology  
University of Ghana  
P.O. Box 58  
Legon, Accra, Ghana

Dear Mr. Atta-Peters:

It is embarrassing that your letter (and the two MSS) dated 1 November 93 have been so long neglected. My mother-in-law died the first week of November, and after that was taken care of, I spent ten days in UK in connection with a conference at Univ. of London. Since then I have totally absorbed in catching up for the "lost month." Sorry.

Your study of the Essipon beach palynoflora seems quite competent, given your isolation and probable limited library resources. I think you should have cited Streel & Traverse (and Warg & Traverse possibly--though it is not so relevant), because we dealt with exactly your time frame. I enclose xerox copies of the articles. Richardson & McGregor's zones should certainly be dealt with, as well as Streel's zones--not just Clayton's.

Acritarchs are not a matter I've done much work with. You'd do better to correspond with Dr. Reed Wicander (Department of Geology, Central Michigan University, Mt. Pleasant, MI 48859, USA) about that paper. In my opinion, with considerable polishing, both papers should certainly be published. I would recommend Review of Palaeobotany and Palynology (Elsevier) or the AASP's journal, Palynology. I enclose both of your manuscripts in case you need them.

It is interesting to hear of your work with Jurassic/Early Cretaceous. I have no spare reprints on that time slot, and no helper to make xeroxes in the library. You might write to Dr. David Batten (Institute of Earth Studies, UCW University of Wales, Aberystwyth, SY23 3DB, U.K.) or Dr. Mary E. Dettmann (Department of Botany, University of Queensland, St. Lucia, Queensland 4067, Australia) for help. You need to spend some time in one of the relatively few places with a good palynological literature collection (with some money for the xerox machine!).

Best wishes, and once again, apologies for the long delay.

Yours very truly,

Alfred Traverse  
Professor of Palynology

P.S. Your letter of 19 Jan. 94 just in~~x~~--it's covered by this answer, too.

AT/et  
encl: 2 MSS; xeroxes of Streel & Traverse and Warg & Traverse

UNIVERSITY OF GHANA  
DEPARTMENT OF GEOLOGY

Telephone: Accra 775381 Ext. 245 & 8221  
Cables: UNIVERSITY, LEGON  
Telex: 2556 UGL GH  
Fax: 233-21-774967

P.O. BOX 58  
LEGON, ACCRA.



Our Ref .....

Your Ref .....

Date January 19, 1994

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

Dear Prof. Traverse,

I want to take this opportunity to wish you a Happy New Year. I have not heard from you since I replied to your letter dated October 1, 1993 and in which I enclosed a copy of the final draft of my paper entitled "Latest Devonian and Early Carboniferous Plant Microfossils from the Takoradi Shale Formation of the Sekondian Group, Western Ghana" and also a copy of another paper I prepared for a local Seminar entitled "Acritarchs from the Takoradi Shale Formation of the Sekondian Group, Western Ghana" for your perusal. I have not had any letter from you acknowledging receipt of the papers and I am a little worried because I do not know whether you received it or not. It is very important for my academic advancement in my University, and I would be glad to know if you have received them. If not then I would have to send another copy.

Prof., I am still waiting patiently to know if I can have the reprints of materials from the Upper Jurassic/Lower Cretaceous miospores I asked for in my letter to you to enable me put another paper together. I hope to hear from you soon.

Yours sincerely,

(DAVID ATTA-PETERS)  
LECTURER

UNIVERSITY OF GHANA  
DEPARTMENT OF GEOLOGY

Telephone: Accra 775381 Ext. 245 & 8221  
Cables: UNIVERSITY, LEGON  
Telex: 2556 UGL GH  
Fax: 233-21-774967

P.O. BOX 58  
LEGON, ACCRA.



Our Ref GL/P/DAP.....

Your Ref .....

Date November 1, 1993.....

Prof. Alfred Traverse,  
Pennsylvania State University,  
Department of Geosciences,  
Palynological Laboratories,  
435 Deike Building,  
University Park PA 16802,  
U. S. A.

Dear Prof. Traverse,

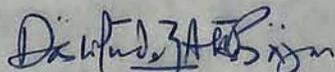
Thanks very much for the reply to my letter dated October 1, 1993. My aim has always been to undertake a full-time Ph.D. Programme under a reknowned Palynologist like you, but financial constrains sometimes does not allow it. I have tried a lot of avenues for finances but all proved negative; that is why I resolved to this inter-University linkage. I will thus enquire if it is possible for the university to pay for my enrollment as a full-time student for one academic year in Penn. State like you suggested.

I am also glad for your acceptance to be a critic of my paper and suggest places where it could be published. Enclosed, please find two papers for your perusal. Both papers were written with materials from my M.Phil.thesis.

1. The first is "Latest Devonian and Early Carboniferous Plant Microfossils from the Takoradi Shale Formation of the Sekondian Group, Western Ghana."
2. The second is a little paper I prepared for a local seminar and would always want to publish if it has enough substance. It is entitled "Acritarchs from the Takoradi Shale Formation of the Sekondian Group, Western Ghana."

I hope you find them interesting. I also have a few slide of some megaspores I picked up from samples I prepared from the Essikado Sandstone Formation (Upper Sekondi Sandstone) of the Sekondian Group. My problem has been to acquire literature and plates to compare and write out a paper. This particular formation has been dated as Early Cretaceous based on the occurrence of the conifer plant fossil belonging to the genus Frenelopsis, crocodilcan tooth, esthesids and some lamellibrachs. I have also looked at some of the miospore and they contain diverse forms of the genus Cicatricosisporites. I would be glad if you could send me some reprints of materials from the Upper Jurassic Lower Cretaceous in order to help me put the paper together. I hope to hear from you soon.

Yours sincerely,

  
(DAVID ATTA-PETERS)  
LECTURER

DA-P/jkm

Encls.

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

18 October, 1993

Mr. David Atta-Peters  
Department of Geology  
University of Ghana  
P.O. Box 58  
Legon, Accra  
Ghana

Dear Colleague:

Your interesting letter of 1 October is finally here.

It would be better, of course, if you could come here to study for the Ph. D., but as I have told you previously I unfortunately have no prospects of being able to support you financially.

Whether the joint program between your university and ours would work or not I cannot judge without more information. How would you finance the visits here? How long would you be in residence here? (Why couldn't that money be used for you to enroll here? You really only need to be enrolled here as a fulltime student for one academic year--August to May--in order to get a Ph. D. The rest of the work can be done at your home base. During the non-resident part of the deal, while you were finishing a dissertation, you pay only a token fee to Penn State to keep your name on the books.)

I would be happy to be a critic for your paper and to suggest places where it could be published.

Some day I hope I can visit Ghana!

Yours very truly,

Alfred Traverse

UNIVERSITY OF GHANA  
DEPARTMENT OF GEOLOGY

Telephone: Accra 775381 Ext. 245 & 8221  
Cables: UNIVERSITY, LEGON  
Telex: 2556 UGL GH  
Fax: 233-21-774967

P.O. BOX 58  
LEGON, ACCRA.



Our Ref GL/P/DA-P

October 1, 1993

Your Ref .....

Date .....

Prof. A. Traverse,  
Department of Geosciences,  
303 Deike Building  
Pennsylvania State University,  
University Park, P.A. 16802,  
U. S. A.

Dear Prof. Traverse,

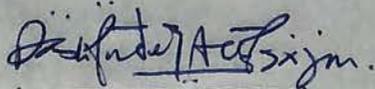
I have the pleasure of writing to you again on my plans to pursue a Ph.D. under your supervision. I have been trying to obtain a scholarship award from organisations to pursue the Ph.D. programme, but none has materialised yet. However, I have been informed by the office of the Dean of Graduate Studies at the University of Ghana that there is an inter-University link between the University of Ghana and Penn. State University. I would then have to register for the Ph.D. Programme with the University of Ghana and do data analysis and interpretation at Penn. State University.

I would please want to know if you would be willing to supervise a candidate under such a programme. If it is possible I would have to formulate a Ph.D. proposal for the programme. I would be grateful for any suggestions that you may offer. If you also have any research programme that I can work on I would very much appreciate it too.

Prof., I have finished with my paper "LATEST DEVONIAN AND EARLY CARBONIFEROUS PLANT MICROFOSSILS FROM THE TAKORADI SHALE FORMATIONS OF THE SEKONDIAN GROUP, WESTERN GHANA" AND I am looking for a place to publish it. I have written to Micropalaeontology Press to see if it would be accepted and published in their journal. I would be very much happy to know if you would accept to be one of the critics of the paper. I intend to send you one of the final draft of the paper for your perusal. What is your opinion about it?

Hope to read from you soon.

Yours sincerely,

  
(DAVID ATTA-PETERS)  
LECTURER

DA-P/jkm

UNIVERSITY OF GHANA  
LEGON ACCRA



Our Ref ..... GL/P/DAP/  
Your Ref .....

P. O. BOX 58,  
CABLES: UNIVERSITY, LEGON.  
PHONE: 75381  
EXT. : 245 & 8221

DEPARTMENT OF GEOLOGY

May 28, 1992

Prof. Traverse,  
Beethoven Str-36/25  
6000 Frankfurt  
GERMANY.

Dear Prof. Traverse,

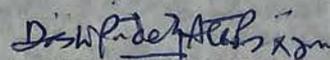
Thank you very much for arranging with P.S.U. to send me application forms for the graduate programme. I have gone through the forms and I have started filling them. I would have to write the GRE and Toefl at the earliest possible time.

How is your sabbatical leave and work going on at the Forch. Inst. Senckenberg in Frankfurt? I hope everything is fine. I am still interested in pursuing a Ph.D. in P.S.U. under a reknowned palynologist like you for improved knowledge and experience. I also want to see what palynomorphs from rocks of similar age in North America look like. Like you rightly said everything boils down to finances. I am trying other avenues (Organisations and Institutions) for funds for the course.

Prof., I am putting together a paper entitled "LATEST DEVONIAN AND EARLY CARBONIFEROUS PLANT MICROFOSSILS FROM THE TAKORADI SHALES OF THE SEKONDIAN GROUP, WESTERN GHANA. The final draft would be ready in a weeks time and I would be grateful if you read through the manuscript and make comments and suggestions to upgrade it. I would also appreciate it if you suggest a suitable place for publication. I shall send you a copy immediately it is ready.

Thank you very much for having interest in my work. I would be grateful if you could please send me some reprints or copies of recent work done in your possession.

Yours sincerely,

  
(DAVID ATTA-PETERS)  
LECTURER

N.B.: Attached is the ABSTRACT of my paper.

DAP/jkm

LATEST DEVONIAN AND EARLY CARBONIFEROUS PLANT MICROFOSSILS FROM  
THE TAKORADI SHALE OF THE SEKONDIAN GROUP, WESTERN GHANA

By

DAVID ATTA-PETERS

Department of Geology

University of Ghana

Legon-Accra

ABSTRACT

The Takoradi Shales of the Sekondian Group (Late Ordovician to Early Cretaceous) outcrops mainly along the coastal areas of the Sekondi-Takoradi city in the Western Region of Ghana with an estimated thickness of about 200 metres. The fauna, mainly lamellibranchs indicate Devonian/Carboniferous age most likely Late Devonian. Present study obtained a well preserved plant microfossil assemblage suggesting a miospore suite, "Verrucosisporites nitidus Assemblage Zone" datable on palynological grounds as Latest Devonian (Late Strunian Tn 1b) to Early Carboniferous (Tournaisian Tn2). Comparison of the miospore succession from the Essipon beach with miospore succession in Western Europe indicates that the Devonian/Carboniferous boundary exist within the formation.

From a phytogeographic point of view, some species from the formation imply some obvious floral link with Europe, North America, North Africa and Western Australia in their Latest Devonian - Early Carboniferous palynofloras.

Ans: 25-11-92

David Atta-Peters,  
Department of Geology,  
University of Ghana,  
P. O. Box 58,  
Legon - Accra.

December, 20 1991

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

Dear Dr. Traverse,

I am a lecturer in the above mentioned department and who is interested in pursuing a Ph.D. programme in Palynology under your supervision if possible. Your name was made available to me by Dr. Robert Gastaldo of Auburn University now at Gottingen University for a year's collaborative work with Prof. Riegel. I have been corresponding with him for some time now and I expressed my willingness to take up a Ph.D. at Auburn under his supervision. He wrote back saying that the Department of Geology does not run a Ph.D. programme, but then I could take up a Ph.D. in the Botany Department with an emphasis and dissertation in palynology under his supervision. This idea was not welcomed by my departmental head, because he wanted me to pursue a Ph.D. course in Geology. I therefore wrote back to him informing him of the problem and asked him if he could furnish me with some names of colleagues of his in the U.S.A. who could direct a Ph.D. in the Geology Department. In his reply to my letter, he mentioned your name as one of his colleagues who can direct the programme.

I graduated M.Phil in Geology specialising in palynology from the University of Ghana under a joint programme between the university of Ghana and the University of Copenhagen in Denmark in January 1989 and joined the staff of the Department of Geology, University of Ghana. My thesis was on the PALYNOLOGY AND BIOSTRATIGRAPHY OF THE TAKORADI SHALES OF THE SEKONDIAN GROUP in the Western Region of Ghana which is dated as Latest Devonian-Early Carboniferous. The upper part of this formation is of much interest to me because the Devonian/Carboniferous boundary exist within this formation. In a paper which I am preparing from my thesis "Latest Devonian and Early Carboniferous plant microfossils from the Takoradi Shale of the Sekondian Group, Western Ghana", I have dated this part of the formation as Latest Devonian (Late Strunian Tn 1b) to Early Carboniferous (Tournaisian Tn 2) from miospore assemblage and also identified the Devonian/Carboniferous boundary within the formation. The slides also contain rich and varied specimens of acritarch which I hope to work on later.

I will be grateful to know if it would be possible to pursue the programme under your direction in your University and also the method of application as well as any source of financial support to study in the University.

Yours faithfully,

DAVID ATTA-PETERS  
(LECTURER)

*See below before filing*

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

fax: 069-794-004-37; phone: 069-794-004-50

10 June, 1992

David Atta-Peters  
Department of Geology  
University of Ghana  
Legon Accra, Ghana

Dear Mr. Atta-Peters:

Yours of 28 May arrived a couple of days ago. Thanks for the up-date on your application.

We are now less than three weeks away from returning to "Penn State." We are o.k.

I would be happy to read your paper on Devonian/Carboniferous spores, but there is a problem. You will get this letter about 17-20 June. A return package wouldn't get back here in time, as I leave Frankfurt for a field trip on 26 June and will not return here before departing for USA on 1 July. If you send the package to my Penn State address, which you are certainly free to do, it will become part of the 6-month pile of unread material that will greet me on my arrival back home. I can't imagine being able to read it and report back to you before August. The abstract is interesting, especially as we study at PSU sediments of exactly that age in New York and Maryland (USA), as well as in our own state of Pennsylvania.

Enclosed are the few reprints I have with me here in Germany.

Best wishes.

Yours very truly,

Alfred Traverse

*To add card*  
↓

*encl: reprints:  
50, 51, 53  
# 47, 52, 54  
" "*

AT/et

September 3, 1970

Mr. Anton P. Audretsch  
Shell Canada Ltd.  
P. O. Box 880  
Calgary 2, Alberta  
Canada

Dear Tony:

Wally Waloweeck tells me that you have an associate (I believe he said his name is John Freake) who is expert in the dinoflagellates, etc. Would you be willing to ask him to look at the enclosed pics and see whether they might possibly indicate something positive about stratigraphic position? I would appreciate return of the pics with comments as soon as possible, because I am giving a paper (based on pollen) in October, for which the information would possibly be very useful (I hope!). The material is from the Franciscan melanges near San Francisco.

Hope all goes well with you despite rumors I keep hearing about Shell disposing of palynological personnel.

Best wishes and hoping to hear from you soon.

Yours very truly,

Alfred Traverse  
Professor of Geology and Biology

AT/mrw

Enclosures: photomicrographs

September 23, 1970

Mr. A.P. Audretsch  
Shell Canada Ltd.  
P.O. Box 880  
Calgary, Alberta, Canada

Dear Tony:

Thank you for examining my pictures of micro-plankton. I appreciate your and John Freake's comments. I realize the difficulty of working from a photo, but that was all I was in position to provide at this time. I thought that if there seemed to be any hope of using the things stratigraphically, I could send on some slides as well. Perhaps we can discuss it briefly in Toronto.

Yours very truly,

Alfred Traverse  
Professor of Geology & Biology

AT:kc

Shell Canada Limited



EXPLORATION & PRODUCTION  
POST OFFICE BOX 880  
CALGARY, ALBERTA  
TELEPHONE: 266-7561

September 14, 1970

Catalog Of Fossil Spores And Pollen  
Deike Building  
The Pennsylvania State University  
UNIVERSITY PARK, Pennsylvania 16802, U.S.A.

ATTENTION: Mr. A. Traverse  
Professor of Geology and Biology

Dear Al:

Thank you for your letter and Microplankton photographs.  
I passed them on to John Freake, who wrote his comments underneath  
the pictures. It is very difficult from pictures to identify  
microplankton.

Hope to see you at the Toronto meeting in October.  
Many kind regards.

Sincerely yours,

A handwritten signature in black ink that reads "Tommy".

A. P. Audretsch

APA:ML

ENCLOSURES

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

19 November, 1995

Editor  
Audubon  
700 Broadway  
NYC 10003

Dear Friend:

As a professional botanist and avid Audubon reader, I am frequently puzzled by the use of so-called "common" names for plants in articles in the magazine. Most of them are non-Latin but are not "common," certainly not in the sense of commonly understood.

One problem is that there are orders of magnitude more species of plants than of birds. "Robin" really is a common name and is understood by most of your readers. On p. 66 of the current number of the magazine, for example, "old man's beard" is inscrutable to me. I can think of three plants for which this name is sometimes applied--all totally unrelated to each other, and none probably what is meant on p. 66. One is Chionanthus sp., another is Clematis sp., another is Hydrangea sp.--I am sure there are a number of others: these were gleaned from the indices of just three floras I grabbed for. "Flora of the Pacific Northwest" by Hitchcock and Cronquist has an "Old Man's Whiskers, which is a Geum sp., but no "Old Man's Beard." Or does the table mean that this is the "cyanolichen?" Certainly not clear. On the same page, how do you expect readers to understand "salal?" I suspect it is what many more of them know as "wintergreen." For that matter, what harm would it do to call it Gaultheria? If that is what it is. I suspect that just as few of your readers know what "salal" is as would recognize "Gaultheria."

Perhaps a compromise solution is to have the practice of providing a little list at the end of such an article translating the alleged "common" names into the proper botanical names, with the plant family. If you don't do something like that, you might as well say "funny little shrub," or whatever.

In the table on p. 66 it is curious that Latin botanical names are provided (twice in the same table) for a couple of mosses, whereas a reader from Rhode Island or England is left wondering what on earth "inside-out flower" might be. What is being

conveyed?--that Dicranum tauricum is important to understand,  
whereas Vancouveria (Barberry family) isn't? Or that more  
readers will need to know the former than the latter? Or what?

This is not intended for publication, on the very long chance  
that it would pass muster for such!

Thanks for reading.

Yours very truly,

Alfred Traverse

THE PENNSYLVANIA STATE UNIVERSITY

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

7 March, 1988

Dr. R. W. Aurisano  
Amoco Production Co.  
P.O. Box 3385  
Tulsa, OK 74102

Dear Rick:

Thanks so much for the slides, which will greatly enhance my teaching. You needn't have apologized re speed--compared with us academic turtles, you were a hare!

All the best.

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  
(814)863-3419 or (814)865-6393

18 January, 1988

Dr. Richard W. Aurisano  
Amoco Production Company  
P.O. Box 3385  
Tulsa, OK 74102

Dear Rich:

Am just now getting around to telling you how much I enjoyed and profited from your paper at Halifax.

For use in my palynology course here it would be very helpful if I could borrow 4 of your slides to make copies (I'd return 'em in about a week):

1. setup of basic CS;
2. plots can show missing rock sections;
3. restoration of erosionally removed section and projection of section giving total depth (t.d.);
4. vitrinite reflectance breaks showing unconformities (based on Madagascar well).

I'm sure the students as well as I would appreciate this.

All the best.

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  
(814)863-3419 or (814)865-6393

12 September, 1988

*file*  
Environmental Protection Department (or equivalent)  
Government of Australia  
Canberra, A.C.T.  
Australia

Dear Friends:

My wife and I have carried back many happy memories of our recent tour of your marvellous country. One such memory is the prevalence of fine public toilets--a facility the USA mostly lacks!

However, in several of these I found a product called "Spring Mist" (see attachment) in use as a deodorant--it consists of a chunk of para-dichloro-benzene ("PDB"). That is a powerful insecticide and is also quite toxic to humans. Though it is used in "moth balls", people should not be randomly exposed to it. It certainly should not be used just to combat odor. Thought you might want to check it out.

Yours very truly,

Alfred Traverse  
Professor of Palynology

AT/et  
encl: label scrap

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

9 September, 1993

The Automobile Association  
Fanum House, Basingstoke  
Hampshire RG21 2EA  
United Kingdom

Dear Friends:

My wife and I have been members of the American Automobile Association for over 30 years. In November we are flying to England, will rent a car at the airport (Gatwick) and spend about ten days touring southern England (I long ago studied at Cambridge and want to show my wife some places--doubtless much changed--that I enjoyed as a student.)

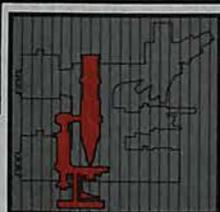
I note from an AAA publication that you have maps and other travel publications that can be obtained by AAA members for a charge. Can you send me a list thereof, with prices, including postage, so that I can order some? I need them for trip-planning.

I enclose xerox copy of my AAA membership card.

Yours very truly,

Alfred Traverse

encl.



**BUNTON INSTRUMENT COMPANY, INC.**

615 S. STONESTREET AVENUE • ROCKVILLE, MARYLAND 20850

(301) 762-5115  
(301) 762-5116

November 23, 1981

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

Dear Al:

Thank you for your recent letter regarding our 071 216,  
England Finder S7. Please be advised that the price is  
\$65.00 each.

It has been a long time since I visited Penn State, but  
I aim to correct this in the near future. I miss our  
get togethers for lunch, etc. I am looking forward to  
seeing you again.

Sincerely yours,

BUNTON INSTRUMENT COMPANY, INC.

  
James F. Averill  
President

JFA:cf

*ordered  
1 Dec.*

23 February, 1979

Mr. James Averill, Jr.  
Bunton Instrument Co.  
489 S. Stonestreet Ave.  
Rockville, MD 20850

Dear Jim:

Thanks for yours of 15 February re our Microsix problem. Actually, I tried using the black hood and all that, but even at the sensitive setting the gadget still doesn't give enough of a reading to measure.

So, I'll try the ocular technique.

Thanks also for the "Caution in Viewing Objects"--I xeroxed it and put it with my practical microscopy exam for the students yesterday. Also, I appreciate "Leitz Microscopes for 125 Years"--a great little book.

Best wishes.

Yours very truly,

Alfred Traverse  
Professor of Palynology

AT/et

12 February, 1979

Mr. James Averill, Jr.  
Bunton Instrument Co.  
489 S. Stonestreet Ave.  
Rockville, MD 20850

Dear Jim:

Just had occasion to spend an afternoon using the Microsix I acquired from you for use with my Aristophot. The only problem is that the intensity of light is so slight on that ground glass that at the intensities which are in the range that I use the reflected light from the glass itself is greater than the light coming from the light source of the microscope. Therefore it doesn't seem to be of much use. Where do I go from here? Is there some kind of a housing that would exclude that light or some sort of attachment I could get that would direct ~~the~~ part of the light into the Microsix, or what do you suggest?

Best wishes to you and your Dad.

Yours very truly,

Alfred Traverse  
Professor of Palynology

AT/et

18 August, 1978

Mr. James G. Averill, Vice-President  
Bunton Instrument Co.  
615 S. Stonestreet Ave.  
Rockville, MD 20850

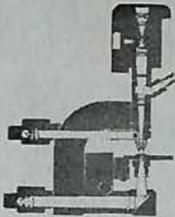
Dear Jim:

Thanks for your nice letter of 14 August. As far as the Microsix battery is concerned, the students who mostly use it claim that they keep a close eye on that, but the outfit still doesn't work very well. I haven't used it myself for a long time, because I have, as you know, a Orthomat. However, as I recall from when I did use it it was ideal. To tell the truth I really prefer the results I got with it as compared with the Orthomat. One of the biggest advantages it had was that I could clean the outfit myself! The idea of acquiring one of your "previously owned" Microsixes to use on the ground glass with my Polaroid outfit is appealing, and perhaps we can discuss it when you are here. I put in the Ortholux microscope on which the Microsix is now located for cleaning, etc., when that comes up, so that I will probably be seeing you in any event. Best wishes.

Yours very truly,

Alfred Traverse  
Professor of Palynology

AT/et



762-5115  
762-5116

## BUNTON INSTRUMENT COMPANY, INC.

615 S. STONESTREET AVENUE • ROCKVILLE, MARYLAND 20850

August 14, 1978

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

Dear Dr. Traverse:

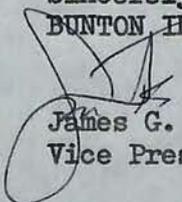
Thanks for yours of August 8, The first thing to check is the battery in the Microsix-L! If this is running the needle to the red mark, then we better bring along a unit from stock to see if it is calibrated properly. It is possible that the CDS cell is "shot".

We have several "previously owned" Microsixs available from stock at a net price of \$170.00. A new one sells for \$398.00.

Leitz did make a permanently attached meter for the 4 x 5" housing but it is no longer available. The Microsix-L can be used by taking a reading directly from the ground glass screen (see instruction book).

We are due to be on campus in September and we'll bring along another Microsix from stock. Of course, the visit will be no-charge. Best regards, I am

Sincerely yours,  
BUNTON INSTRUMENT CO., INC.

  
James G. Averill  
Vice President

Enc.

rr

8 August, 1978

Mr. James Averill, Jr.  
Bunton Instrument Co.  
615 S. Stonestreet Ave.  
Rockville, MD 20850

Dear Jim:

As you probably know, one of the three Ortholux microscopes that I use is equipped with a Microsix attachment camera and light meter. For some time we have felt that this is not functioning 100%. How much would it cost to have it looked at and adjusted? The question obviously is whether it is worth bothering with as opposed to buying a new unit. You might let me know also how much one of them costs now--that is the Microsix itself, not the camera and the rest of the set-up.

I also at the same time would like to reopen the question of whether I can get an exposure meter set-up for my Leitz bellows camera. Could a Microsix be adapted for that purpose? I have in mind the possibility of acquiring a new Microsix for the attachment camera and using the repaired or adjusted old one for the bellows camera. Thanking you in advance for the information, and with very best wishes, I am

Yours very truly,

Alfred Traverse  
Professor of Palynology

AT/et

6 December, 1977

Mr. James Averill, Jr.  
Bunton Instrument Co., Inc.  
615 S. Stonestreet Ave.  
Rockville, MD 20850

Dear Jim:

Just to let you know that I have my microscope for you to sell for me so that you can pick it up the next time you have business in University Park. I really appreciate this as there is no way I can afford to have \$500 plus ~~add~~ up in the instrument at the present time.

Best wishes for the holiday season.

Yours very truly,

Alfred Traverse  
Professor of Palynology

AT/et

September 12, 1975

Mr. James F. Averill  
Bunton Instrument Co.  
489 South Stonestreet Ave.  
Rockville, MD 20850

Dear Jim:

Under separate cover I am sending you a light unit from an Ortholux I use here. The transformer seems to be all right, so it must be the light unit itself which is non-functional. Please have it repaired and send it back to me. I am also sending a purchase order to cover the repair.

Best wishes. Looking forward to seeing you.

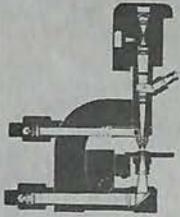
Yours very truly,

Alfred Traverse  
Professor of Palynology

AT:jb

Enclosure: Purchase order

*E. Beck*



762-5115  
762-5116

## BUNTON INSTRUMENT COMPANY, INC.

489 S. STONESTREET AVENUE • ROCKVILLE, MARYLAND 20850

August 13, 1974

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

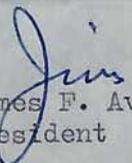
Dear Doctor Traverse:

I am happy to inform you, that we have a microscope for your son Paul. It is now in the process of going through the shop for cleaning and inspection, lubrication, etc.

I hope to be up your way by the end of the month. By this time I will bring it along for your inspection.

With the best regards, I remain

Very truly yours,  
BUNTON INSTRUMENT CO., INC.

  
James F. Averill  
President

JFA:ja

THE PENNSYLVANIA STATE UNIVERSITY

DEIKE BUILDING  
UNIVERSITY PARK, PENNSYLVANIA 16802

College of Earth and Mineral Sciences  
Department of Geosciences  
Palynological Laboratories

Area Code 814  
865-6543  
865-2342

July 11, 1974

Mr. James F. Averill  
Bunton Instrument Company  
489 S. Stonestreet Avenue  
Rockville, Maryland 20850

Dear Jim:

Just had a letter from my son, Paul, telling me he had heard from you about the microscope. I certainly appreciate your writing him directly, as it set his mind at rest about at least one of his many worries.

I will look forward to hearing from you around the end of August or so (or sooner, if possible!), and will arrange to pay for and pick up the microscope at that time.

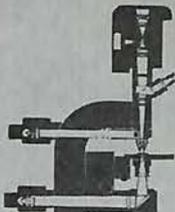
Once again, thank you very much for agreeing to help us on this matter. Best wishes to you for the rest of the summer.

Yours very truly,

*Al*

Alfred Traverse  
Professor of Palynology

AT/vsi  
cc Paul Traverse



762-5115  
762-5116

## BUNTON INSTRUMENT COMPANY, INC.

489 S. STONESTREET AVENUE • ROCKVILLE, MARYLAND 20850

December 27, 1973

Dr. A. Traverse  
The Pennsylvania State University  
College of Earth and Mineral Sciences  
Coal Research Section  
517 Deike Bldg.  
University Park, Pa. 16802

Dear Dr. Traverse:

We checked your 20x objective and find that it has the normal spherical aberration and we are at a loss as to why you experienced an out-of-focus situation of the upper and lower halves.

This objective is actually an objective that was designed for phase contrast originally and supplied without the phase ring. The numerical aperture of your objective is much lower than a normal 8mm objective and would give a little better depth of field than its corresponding objectives. I hope to be up at Penn State in the near future and I would like to sit down and check your microscope with this objective in use.

May I take this opportunity to wish you a happy New Year and with the best regards, I remain

Very truly yours,

James F. Averill  
President

JFA:kd

December 3, 1973

Bunton Instrument Company  
489 S. Stonestreet Avenue  
Rockville, Maryland 20850

Attn: Mr. James Averill, Sr.

Dear Jim:

Under separate cover I have returned to you the "repaired damaged objective", which we discussed over the phone on 28 November. Unfortunately, I do not feel that this objective is really right, and would like you to stick it on a microscope and see what you think. The aberration is not so much the normal marginal aberration of an achromat objective, but seems to be a question of it being impossible to have the top half and the bottom half of the field simultaneously in focus, rather than just a question of the borders being out of focus when the center is in focus. What do you think? If you agree with me, something should be done about it I guess. If you do not agree, just send it back to me with a note explaining what you think.

Hope you have a good trip to Germany.

Yours very truly,

Alfred Traverse  
Professor of Geology & Biology

AT/vsi

March 30, 1972

Mr. James F. Averill  
Bunton Instrument Company, Inc.  
489 S. Stonestreet Avenue  
Rockville, Maryland 20850

Dear Jim:

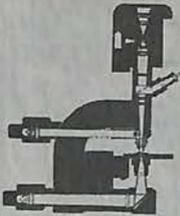
Thanks for yours of 23 March regarding the Microsix. I can't understand about the "demagnetization". It did sit within a foot or so of the transformer for the microscope. Indeed, I can't see how one could arrange the setup any differently. When we sent it back, however, the problem was that it was not giving any readings at all--either too low or too high. I would appreciate further advice on this if you think of any.

Best wishes to you as always.

Yours very truly,

Alfred Traverse  
Professor of Geology & Biology

AT/vsi



**BUNTON INSTRUMENT COMPANY, INC.**

489 S. STONESTREET AVENUE • ROCKVILLE, MARYLAND 20850

762-5115  
762-5116  
427-7233

March 23, 1972

Dr. Alfred Traverse  
The Pennsylvania State University  
Geology Dept.  
Deike Bldg.  
University Park, Pa. 16802

Dear Dr. Traverse:

I visited your office last week, but was told that you would be out of town for some time and I am sorry that I missed you this trip.

In any event, we received your Microsix meter and our shop advised that we have to send it back to Leitz, which we did. It seems that it was reading at least two stops too high, which our people feel was caused by the magnet being demagnetized. Could this have been sitting on a power pack of some sort? Please be advised that we will get this back to you as soon as possible.

With the best regards I remain

Very truly yours,

James F. Averill  
President

JPA:kd

April 6, 1971

Mr. James F. Averill  
Dunton Instrument Company  
489 S. Stonestreet Avenue  
Rockville, Maryland 20850

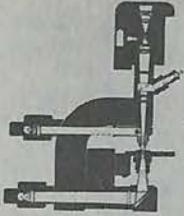
Dear Jim:

Thank you for yours of 23 March with the explanation of what is probably going on regarding the dust spots on our pictures taken with the Orthomat. I am sure that your explanation is correct because we have tried cleaning everything else in sight, and I believe that by far the best arrangement would be to wait until somebody from your outfit can come here and correct the problem on the spot so that we could make a test negative or two and be sure that we have got to the root of the difficulty. In the meantime, since I am not taking pictures for publication but for only internal use, we can live with the problem temporarily. Thanks for your prompt attention to my request. Looking forward to seeing you, I am

Yours very truly,

Alfred Traverse  
Professor of Geology & Biology

AT/vsi



## BUNTON INSTRUMENT COMPANY, INC.

489 S. STONESTREET AVENUE • ROCKVILLE, MARYLAND 20850

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762-5116  
427-7233

March 23, 1971

Mr. Alfred Traverse  
Pennsylvania State University  
Deike Bldg. - Geology and Biology  
University Park, Pa. 16802

Dear Mr. Traverse:

In all probability the dust particles showing up on your photographs are in the Orthomat itself.

I have made a note to have Andy stop in to see you on his next visit to Penn State. This may be a month or so, so if this is too much of a wait, you might just send us the head to your camera and we can remove any dirt or dust in the optical system. This is not an easy job, so we do not recommend that a customer or another repair service touch the instrument.

When we know the exact date of our next visit, I will give you a call to make sure that you will be on campus, and will arrange my schedule to suit you.

With the kindest regards, I remain,

Very truly yours,

James F. Averill  
President

JFA:kd

March 15, 1971

Mr. James F. Averill  
Bunton Instrument Company  
489 S. Stonestreet Avenue  
Rockville, Maryland 20850

Dear Jim:

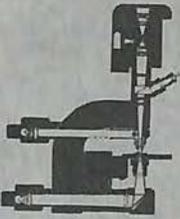
I am encountering the same difficulty with my Orthomat that I did previously with the Ortholux set up--I am getting an image of particles, which unfortunately are in focus in all of my pictures. However, I don't feel like disassembling this outfit to see if I can trouble-shoot the problem--it looks much more complicated to do so than it was with the Ortholux. The particles are ~~not~~ visible when one is looking through the microscope and do not seem to be on the condenser or other parts which I can easily get at. I presume, therefore, that they must be in the internal mirrors or prisms somewhere, as was the case before. What do you advise?

Yours very truly,

Alfred Traverse  
Professor of Geology & Biology

AT/vsi

P.S. The Microsix came back, and we are very glad to have it.



## BUNTON INSTRUMENT COMPANY, INC.

489 S. STONESTREET AVENUE • ROCKVILLE, MARYLAND 20850

762-5115  
762-5116  
427-7233

January 29, 1971

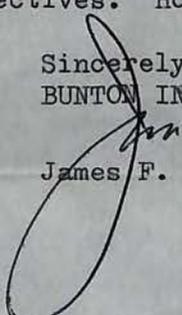
Dr. Alfred Traverse  
Pennsylvania State University  
Deike Building - Geology & Biology  
University Park, Penna. 16802

Dear Dr. Traverse:

I have just received your letter of 1/19/71. I am sorry to advise you that the Orthomat has no facilities to mark the negatives as with the LEICA MDa. About the only way to keep track is by recording the frame numbers.

We will stop in on our next visit to see if we can aid in par-  
centering your objectives. Hope to see you then, I am

Sincerely yours,  
BUNTON INSTRUMENT CO., INC.

  
James F. Averill, President

January 19, 1971

Mr. James F. Averill  
Bunton Instrument Company  
489 S. Stonestreet Avenue  
Rockville, Maryland 20850

Dear Jim:

I am using my Orthomat with great satisfaction, except for one thing--I was getting used to the idea of being able to number the negatives using the slips of plastic which one can use with my attachment camera. There seems to be no such provision on a 35 millimeter camera which is used with the Orthomat. How about it? Is there some way of getting numbers onto the negatives?

I also have been slightly bothered by lack of par focality with my setup, although this has not been too bad. Perhaps the next time that your technician is with us he can look at that problem. It isn't so much that objects are not at the same level of focus from objective to objective (although they are not quite par focal) as it is a question of the object not being centered from one objective to the next.

Looking forward to seeing you the next time that you are here.  
I am

Yours very truly,

Alfred Traverse  
Professor of Geology & Biology

AT/vsi

December 15, 1970

*file* → Mr. James Averill  
Bunton Instrument Company  
489 S. Stonestreet Avenue  
Rockville, Maryland 20850

Dear Jim:

This is with reference to the Leitz fluorite objective, 40X, 519-025, per our order number 241587. I have just discovered that we were charged for and have paid the full price for the objective, namely \$169.54. Since we were supposed to have received a credit for the oculars which I returned, per previous correspondence, the net price should have been something in the order of \$20. Would you please advise what happened?

Best wishes to you for the holiday season and may 1971 be the best year ever for you.

Yours very truly,

Alfred Traverse  
Professor of Geology & Biology

AT/vs1

October 27, 1970

Mr. James F. Averill  
Bunton Instrument Co.  
489 S. Stonestreet Avenue  
Rockville, Maryland 20850

Dear Jim:

What could you suggest as a way of measuring exposure time in my Leitz sheet film photomicrographic apparatus? At one time I was hand-holding my 35 mm. Microsix for this purpose, but that unit has been put into the graduate students' room downstairs, and I am now reduced to guessing my exposures in the 4 x 5 camera.

Looking forward to hearing from you about this. I am

Yours very truly,

Alfred Traverse  
Professor of Geology & Biology

AT/vsi

P.S. Perhaps you could also send me something for my files on the outfit equivalent to the Orthomat for sheet film cameras.

October 27, 1970

Mr. James F. Averill  
Bunton Instrument Company  
489 S. Stonestreet Avenue  
Rockville, Maryland 20850

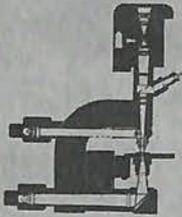
Dear Jim:

This is with reference to yours of 30 September. I note that the eyepieces which we received are 10X rather than 12.5X, but I presume that the allowance that you mentioned in yours would not be too greatly different. I am therefore returning the eyepieces and am placing an order with you for a 40X flourite objective (519 025). Looking forward to seeing you again one of these days.  
I am

Yours very truly,

Alfred Traverse  
Professor of Geology & Biology

AT/vsi



BUNTON INSTRUMENT COMPANY, INC.

489 S. STONESTREET AVENUE • ROCKVILLE, MARYLAND 20850

762-5115  
762-5116  
427-7233

September 30, 1970

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

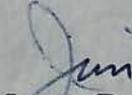
Dear Al:

Reference your letter of September 23rd, the pair of oculars may be returned to us for credit or applied to a future purchase. When returning please specify which you prefer. Description of item is as follows:

1 - Code #519 229 , Pair eyepieces GF 12.5xMF - \$157.00

I enjoyed the opportunity of being of service and visiting with you.

Very truly yours,  
Bunton Instrument Co., Inc.

  
James F. Averill  
President

September 23, 1970

Mr. James Averill  
Bunton Instrument Company  
489 S. Stonestreet Avenue  
Rockville, Maryland 20850

Dear Jim:

I should have asked you while you were here, but it didn't occur to me. What are the chances that Leitz would allow me some credit on those two oculars which came with my new Orthomat? As you know, I have obtained a pair of high eyepoint oculars, and the very nice pair of oculars which came with the microscope will just stand idle.

Thank you very much for coming to help me set up and test the new apparatus, and I hope I will hear from you soon about this question.

Yours very truly,

Alfred Traverse  
Professor of Geology & Biology

AT:kc

October 8, 1970

Mr. James Averill  
Bunton Instrument Company  
489 South Stonestreet Avenue  
Rockville, Maryland 20850

Dear Jim:

The setting 400/d--70%D is obviously the correct one (not 100, as it states on the sheet). However, Don Krebs and I have observed that there is a very great range of density in the pictures, which seems to be completely unrelated to the subject matter. That is, three or four pictures will be quite dark and the next three or four quite light, even though all were taken at exactly the same setting and with exactly the same lighting. All of the pictures are within the range of acceptability, but there is indeed much more variation than I would expect from what I have read of the literature provided with the outfit. I would appreciate comments. It may be, that you would like to have the thing checked on one of your future service visits to Penn State. In any case, looking forward to seeing you again before too long. I am

Yours very truly,

Alfred Traverse  
Professor of Geology and Biology

AT/mrw

September 11, 1969

Mr. James F. Averill, President  
Bunton Instrument Company, Inc.  
489 S. Stonestreet Avenue  
Rockville, Maryland 20850

Dear Jim:

I recently attended a conferences on "nannofossils" at which several references were made to the use of "interference filters" in photomicrography of small microfossils.

Could you send me some information about the availability of such a filter that I could try for pollen with my Ortholux?

Best wishes as always.

Yours very truly,

Alfred Traverse  
Associate Professor of Geology  
and Biology

AT:kwc

June 19, 1968

Mr. James F. Averill  
Bunton Instrument Company  
489 S. Stonestreet Avenue  
Rockville, Maryland 20850

Dear Jim:

Can the enclosed item be fixed?--i. e., re-sprunged? If so, please do. If not, advise how much a replacement would cost, plus appropriate catalog numbers.

Yours very truly,

Alfred Traverse  
Associate Professor of Geology

AT:kwc

Enclosure: 1

October 25, 1967

Mr. James F. Averill  
Bunton Instrument Company, Inc.  
489 S. Stonestreet Avenue  
Rockville, Maryland 20850

Dear Jim:

Thanks for yours of 24 October. I believe that some of the "wee dots" were coming from the bottom lens of the condenser, a possibility I had not considered. I had gone over all the other possibilities you mention. This leaves us with the problem of the vertical lines. They are seen on all photos of large pollen grains but do not appear in such things as pictures of thin sections of coal, where the whole field is filled. I am inclined to suspect the prism. At one time I thought they might be the image of the filament of the lamp, but they seem to have the same orientation always, even when I have just replaced the bulb and am pretty sure it is not in exactly the same position as the previous one was.

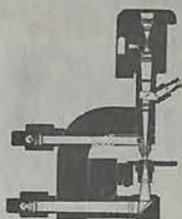
The order for the new camera has gone out as far as I know. The pictures I have been getting are not publishable, but they are good enough for present purposes. In other words, late in November will be o. k. I will be at the geological meetings from 19-24 November. I will be gone again from 6-11 December.

Thanks for your help.

Yours very truly,

Alfred Traverse  
Associate Professor of Geology

AT:kwc



## BUNTON INSTRUMENT COMPANY, INC.

489 S. STONESTREET AVENUE • ROCKVILLE, MARYLAND 20850

762-5115  
762-5116

October 24, 1967

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

Dear Dr. Traverse:

Received your transparency, and am returning it herewith. I'm afraid we can't tell much, except that you have dust in the system somewhere. The three places that would show up would be as follows:

1. Field lens of the eyepiece.
2. The bottom lens of the condenser (this screws out)
3. Prism of the micro camera attachment.

The bright lines through the center of the field may be caused by a defective prism, but here again, this is hard to determine without checking the complete optical system of the microscope also.

I will be up your way the latter part of November with George and Andy and I will get one of them to check your instrument out. In the meantime, if your order comes in for the new equipment, we will check it over but good before we ship it or may even bring it along if we do not receive it in the next two or three weeks.

If the dust does show from the micro camera attachment, it may be coming from the camera back itself as you remove and replace it. One can load the M series cameras without removing same from the attachment which is one advantage.

Please send the unit into us if it presents a rush problem, even after you check the above mentioned possibilities.

Very truly yours,  
BUNTON INSTRUMENT CO., INC.

*Jim Averill* ← *File*  
James F. Averill, President

October 19, 1967

Mr. James F. Averill, President  
Bunton Instrument Company  
489 South Stonestreet Avenue  
Rockville, Maryland 20850

Dear Jim:

Got your quote and am in the process of doing something about it. Sounds like a good deal. Among other things, I am hoping that the new camera outfit will for whatever reason give better results than the one I now have. (As far as the back itself is concerned, it has lapsed into a phase of working perfectly for a while--even at 1 sec. But it is a little untrustworthy.)

I attach a transparency which I would like back and which can provide the basis of some discussion:

1. The "little dot syndrome" is still with us. I have put arrows at the places where little dots occur that are in all of the current batch of slides. Of course, they represent specks on the glass in the prism setup, just as the others did which you cleaned off for me. I have now cleaned these off, but it appears that one would always have to clean the whole outfit before taking pictures, which seems too much trouble. The specks should not be in the plane of focus.

2. In most of my pollen pictures (but not in pictures of coal thin sections where the whole field is filled with material) I get a series of vertical lines through the middle of the picture. I show double arrows to this. What do you make of this phenomenon?

Yours very truly,

Alfred Traverse  
Associate Professor of Geology

AT:kwc

Attachment: transparency (please return)

June 20, 1967

Mr. James F. Averill  
Bunton Instrument Company  
489 S. Stonestreet Avenue  
Rockville, Maryland 20850

Dear Jim:

I have been unsatisfied with the performance of the Leica camera that I am using with my attachment camera apparatus. It usually works all right, but occasionally for no apparent reason will run into streaks when the shutter will only partially open or won't open at all. I also find the way in which the speeds are set quite annoying--I mean the switching back and forth between two dials.

What do you have in the way of a new Leica back for the camera? Seems to me that you told me that there is a newer model. I really would like to have an extra one around anyway.

Yours very truly,

Alfred Traverse  
Associate Professor of Geology

AT:kaw

April 24, 1967

Mr. James Averill  
Bunton Instrument Company  
3000 Connecticut Avenue  
Washington, D.C.

Dear Jim:

Have on my desk your card with the info for ordering the filter and filter holder I should have for taking color pics with the attachment Leica.

Before I order same, I would like to raise another question, so that I might be able to combine orders.

For taking certain pollen photomicrographs, it has been my custom to achieve high magnification by using a high dry objective and a 20x ocular. I am aware of the optical disadvantages of this procedure, but they are sometimes outweighed in the case of spherical pollen by the greater depth of focus obtained (on 4x5 film I achieve the same results by lengthening the bellows). Oil immersion affords very little depth of focus.

Do you have a high power, wide field ocular that might be applicable for this purpose?

Yours very truly,

Alfred Traverse  
Associate Professor of Geology

AT:kaw

Esbeck  
Fidelity Omnis  
2 November, 1966

Mr. James F. Averill, President  
Bunton Instrument Co.  
489b Stonestreet Ave.  
Rockville, Maryland 20850

Dear Jim:

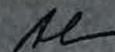
Thanks for yours of 31 October, re the APOCT, etc.

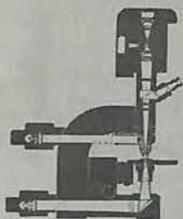
As you know, it takes a while to get orders through the works around here.

However, where the deal can be regarded as a repair job, there is really no complication, and I should think that you could regard the enclosed sheet as evidence of my commitment. I would certainly appreciate it if you could go ahead and have the 24x apo and the 40x fluorite checked out with the stand that you have down there.

According to the authorities here, the photomicrographic apparatus will have to go out on bids per normal procedure. I will put you down as suggested vendor, but, as I understand it, we'll just have to let nature take its course on that. I do hope you get the order, as you have been so very helpful to me already.

Yours very truly,

  
Alfred Traverse  
Associate Professor of Geology



BUNTON INSTRUMENT COMPANY, INC.

489 S. STONESTREET AVENUE • ROCKVILLE, MARYLAND 20850

762-5115  
762-5116

(301 area)

October 31, 1966

Dr. Alfred Traverse  
The Pennsylvania State University  
Earth Science Bldg., 5th Floor  
University Park, Pennsylvania 16802

Dear Dr. Traverse,

Checked our stock and I did find an old style APOCT Apochromatic Objective 24x. The cost of this objective to you is \$90.00

Our Mr. George Eckhard will be on campus the week of November 7th to work on various microscopes in the Department including your second unit. He will also set up your instrument that we are working on at the present time.

If the orders for the photographic equipment and objectives are received prior to his visit he can bring them along and also set them up for you. Most of all he can make sure that the new objectives are parfocul and parcentered with the ones you are now using.

Please note that I have enclosed information on the various types of Polaroid film that fit the MARAV Polaroid 500 back and the Uniplane Polaroid 100 back.

May I take this opportunity to thank you for the courtesies extended to me on my recent visit. Plan to see you the week of December 5th.

With the best regards, I remain

Very truly yours,  
BUNTON INSTRUMENT CO., INC.

*James F. Averill*  
James F. Averill, President

THE BROOKLYN INSTITUTE OF ARTS AND SCIENCES

**BROOKLYN BOTANIC GARDEN**

1000 WASHINGTON AVENUE

BROOKLYN 25, NEW YORK

THE INSTITUTE  
ROBERT E. BLUM  
PRESIDENT

COMMITTEE ON BOTANIC GARDEN  
LEONARD P. MOORE, CHAIRMAN  
HILDA LOINES, VICE-CHAIRMAN  
J. VICTOR HERD, VICE-CHAIRMAN

GEORGE S. AVERY, JR.  
DIRECTOR

February 7, 1958

Dear Dr. Traverse,

The good letter from a fellow Twin Cities emigre is much appreciated.

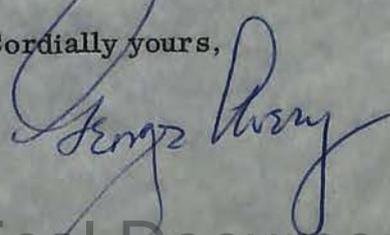
I quite agree that a good share of what I have in mind could be accomplished in secondary schools. It is, as you say, one of the weak links in secondary education. However, I suspect that we botanists must share at least some responsibility for the loss of the natural history point of view once held by a great many secondary school teachers. In emphasizing the importance of research, we have overlooked (it seems to me) the fact that we should also have been training teachers who in turn could have been imparting the gospel to students in the lower grades. Many of the teachers we might now be counting on to stir in youngsters the scientific curiosity that nature so warmly invites — generally have had only a weak dose of biology, or none at all.

I can't be so sure that university botany is only for professionals. The appreciation of great music and great art have found a place in university curriculums. Have we nothing equivalent in the plant world — that might contribute to rounding out the lives of our non-professional fellow men? Perhaps it is only wishful thinking on my part, but I believe there is, and if I may use your words, it is indeed "part of being an educated, cultivated person."

My chief hope is simple enough. It is only that academic botanists give equal emphasis to research and non-research-minded students. This would, I think, make the possibilities more interesting for prospective teachers — whether they are some day to teach in secondary schools or at the popular level in botanic gardens. And once there are more such teachers we will, I think, be on the way to a botanical (horticultural, or whatever) renaissance. If there is ever to be such, I view it as taking place at the popular level. Whatever time and energy some of us can spare might well be dedicated to this idea.

I can't begin to tell you how deeply I appreciate your writing as you did, and if further thoughts (pro or con) occur to you, I sincerely hope you will write again.

Cordially yours,



Dr. Alfred Traverse  
3737 Bellaire Boulevard  
Houston 25, Texas

January 31, 1958

Dr. George S. Avery, Jr.  
Brooklyn Botanic Garden  
Brooklyn 25, New York

Dear Dr. Avery:

I got your questionnaire the other day. I have found the dimensions of the spaces not commensurate with the answers I have. Perhaps it will be all right if I use this letter to answer.

As a specialized research botanist, I have no answers for questions 1-7; 11-12. For question 8 I answered that we are not over-emphasizing research, are under-emphasizing subject matter which the average college-trained person (non-major) can use later in life, and are over-emphasizing our personal professional fields.

But my answer to question 8 is meaningless unless read in the light of my answer to questions 9 and 10.

To question 9: certainly. Future mowers of lawns, users of penicillin, eaters of asparagus shoots, should know more about the plants that they encounter--it's just part of being an educated, cultivated person. But professional botanists confuse the needs of future professionals and those of amateurs. No one botany course can really serve both. But I think that botanical education of the natural history sort that one needs "in life" should be part of secondary school education. There's the rub--the fault with botanical education lies in the secondary school program. In Europe, no effort is made to give "avocational" botany in universities. Yet the "man in the street" seems to know more about natural history of plants than his American counterpart--he got the knowledge in secondary school.

To question 10: not botany as at present taught in universities--that's for professionals, or for those (pre-medical students, etc.) whose instruction in botany should be of professional level. This sort of botany has limited avocational application--almost none. Natural history of plants, practical horticulture, etc., yes. But it is very doubtful if this belongs on a university curriculum. It seems to me there is too much of a tendency throughout American education to feel that anything that is worth knowing should be taught at a university. This is making American universities sub-standard and is also wrong in that it is distracting attention from the real weak point of American education--the secondary schools. That's where people should acquire avocational information about botany.

D. George S. Avery, Jr.

2

Best wishes from your fellow twin cities emigre.

Very truly yours,



Alfred Traverse

AT:ml

Shell Development Company  
Exploration and Production Research Division

*File*  
**AVIS**

*Avis Rent A Car System, Inc.  
A Worldwide Service Of ITT*

*World Headquarters  
900 Old Country Road  
Garden City, N.Y. 11530  
Phone: (516) 222-3000*

November 26, 1969  
Ref. File #W0109034

RA #13472441 - MVA #566768

Mr. A. Traverse  
809 Cornwall  
State College, Pennsylvania 16801

Dear Mr. Traverse:

Please accept our apology for this long delay in contacting you.

We have enclosed a photostat of the contract for your information and our review with the Pittsburgh office indicates that the rates are correctly applied.

If you have any additional questions, please do not hesitate to contact us.

Sincerely,

AVIS RENT A CAR SYSTEM, INC.

*G. Koepfel*  
G. Koepfel  
Customer Service

GK:sp  
Enc.

cc: E. Wood, Avis, Pittsburgh, Pa.

576-222-3000

THE REV. ALFRED TRAVERSE  
P. O. BOX 967  
STATE COLLEGE, PA. 16801

~~1-516-555-1212~~

10 June, 1969

Avis   
P. O. Box 201  
Garden City  
N. Y. 11530

Dear Sirs:

As a long time customer of Avis, may I presume to ask whether you all could not come up with a more rational billing system on your credit cards, more in line with billing by oil companies and other credit card issuing firms?

I never can keep track of what is going on with my Avis purchases--I get bills from the local agencies and various bills from Avis itself. Frequently I get the feeling that I am paying for the same charge more than once. What I would like is a simple, oil company type bill with a line that says what I owed previously, what I charged this month, what I now owe total. How about it?

In May I sent a check for \$165.44, which I assumed was for cars I rented in March, from here to Chicago, and for use in Oklahoma City. But now I get a separate bill from Avis in Okla. for \$32.24. That puzzles me.

6-J

NATIONAL SCIENCE FOUNDATION SYSTEMATIC BIOLOGY

PROPOSAL RATING SHEET

Reviewer

Proposal No.: 7707561  
Investigator: AXELROD, Daniel  
Institution:  
Please return to:  
If possible by: 1-25-77

Comments (Continue on additional sheet if necessary)

My copy of this proposal is missing page 6, with apparently some of the most important arguments, but it doesn't really matter as to my evaluation of the proposal, which is based on other considerations.

As could be expected of Dr. Axelrod, this is a beautifully written, interesting proposal. Axelrod's work, always controversial and daring, is still after all these years, the same.

However, I would recommend against funding on two grounds: 1) Nothing really new will come of this. Dr. Axelrod wants to disk and harrow a field he has already plowed. This he could do satisfactorily within local budgets at UC: 2) Dr. Axelrod would be taking scarce NSF dollars that should instead go to a less senior person for this sort of work.

In other words, I would recommend funding for Dr. Axelrod if he were proposing something really innovative and promising of future developments. I would probably also recommend funding this neat little proposal if the proposer were a fresh Ph.D. at Davis trying to get a research program underway.

OVERALL RATING

- EXCELLENT
- VERY GOOD\*
- GOOD \*But recommend
- FAIR *against*
- POOR *funding*

NSF Form 173, Jan 1976

Signature of Reviewer: *Alfred H. ...*

Other suggested reviewers (optional):  
*Leo Hickey, Smithsonian*

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



December 10, 1959

Dr. Daniel I. Axelrod  
Geology Department  
University of California  
Los Angeles 24, California

Dear Dr. Axelrod:

This is to acknowledge with thanks the copies of "Evolution of the psilophyte paleoflora"; "Poleward migration of early angiosperm flora"; "Late Cenozoic evolution of the Sierran bigtree forest"; and "Miocene Floras of the Columbia Plateau."

The latter needs no comment other than it seems to be a fitting companion piece for your and Chaney's series of comprehensive studies, most of which I am glad to say I now have. I note that in this item Chaney has even inserted a little palynology!

As far as the first three items are concerned, I obviously can't comment in meaningful detail in a letter, and I doubt that my comments would be of much significance anyway. I must say that I am bothered by both the early origin of vascular plants and "evolution in the mountains" ideas that you have espoused. In view of the really tremendous number of samples that have already been examined by palynologists, it is surprising that an occasional odd-ball angiosperm pollen grain hasn't been found in Jurassic sediments if you are right, but not a one that will stand up ever has been--don't we know what to look for? Spores of land plants have been reported from Cambrian, though this is still regarded as more exceptional than the rule, and in the Precambrian nothing has been found that I know of, though I admit that not too much looking has been done.

Sorry you disappeared in Montreal after that first Friday when your paper was given. Though the afternoon session that day was horrendous, some fairly decent things were said later on.

Very truly yours,

  
Alfred Traverse

AT:mpd

Shell Development Company  
Exploration and Production Research Division

June 4, 1957

Professor Daniel I. Axelrod  
Department of Geology  
U. C. L. A.  
Los Angeles 24, California

Dear Dan:

Thanks for the reprints. My January visit to California is still a keen memory, and it was certainly good for my education. I think there is much justice in your criticisms of the age curve, particularly in the "tail up" into the Cretaceous, which I always distrusted and am sure is cockeyed now that I have seen more of the pollen floras. I am not entirely convinced that there is not merit in Barghoorn's idea, though, if the curves are improved. I also think that careful readers will be somewhat skeptical about some of the arguments you have used, though they may agree with your general criticism. Barghoorn's idea that genera are more easily identified units than species, for example, is perfectly valid, as anyone who has done much collecting of extant plants knows.

Sorry that you won't make it to Stanford. It could have been entertaining.

Yours very truly,



Alfred Traverse

AT:rlg

Shell Development Company  
Exploration and Production Research Division

COPY

RE Bargy's age analysis method.

I have just completed a detailed analysis of the Verdi flora from near Reno in western Nevada.

It is a small flora of 20 species distributed in 12 genera.

Chara, Nymphaea and Potamogeton are in nearby ponds and backswamps on the Truckee River floodplain; Ceanothus, Pinus, Populus, Prunus, Ribes and Salix occur within 150 yards of the fossil locality; and Abies, Arctostaphylos and Quercus are in canyons 2 miles southward on the north front of the Carson Range.

Since 100 percent of the genera are still in the immediate area, I presume this flora must be RECENT.

AX

Copy of letter from D. I. Axelrod received June 3, 1957

February 20, 1957

Prof. D. I. Axelrod  
Department of Geology  
University of California  
Los Angeles 24, California

Dear Professor Axelrod:

Thanks for the reprints. I have found "Sedimentary Facies in Geologic History" particularly stimulating because of the direct application to what I am trying to do. "A Theory of Angiosperm Evolution" is a provocative piece of writing. You may be interested that Couper has recently exhaustively restudied the Tricolpites troedsonii Jurassic pollen grains studied by Erdtman and others. Couper has recently proven that these are not Angiosperm pollen grain. It is distressing that more really good Angiosperm pollen doesn't turn up in the Jurassic. In my limited experience, pre-Cretaceous Angiosperm pollen always seems to have question marks hanging all over it. Yet, I agree with you that we should find early Mesozoic Angiosperm pollen.

Yours very truly,

  
Alfred Traverse

AT:rlg

Shell Development Company  
Exploration and Production Research Division

February 7, 1957

Professor D. I. Axelrod  
Geology Department  
University of California  
Los Angeles 24, California

Dear Dr. Axelrod:

Thanks for giving me some of your valuable time during my recent visit to California. I learned many things of interest and must say that I am convinced more than ever of the value of social contact in science despite your opposition in word and deed to this notion.

MacGinitie and Chaney were very kind to me, and I must say that northern California appeals tremendously to me. Mac helped me get the feel of the Sequoia forest in the short time I was with him. He agrees to lead the field trip, essentially as laid out by you, providing that he can rearrange his schedule for the summer.

There were three reprints I intended to beg from you that I forgot to ask for. These are the 1941 concept of ecospaces; 1949 sedimentary facies; and 1952 theory of angiosperm evolution papers. I trust the abbreviated references are sufficient. Would like to have copies if you can spare them.

Best wishes,

Yours very truly,

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

AT:rlg

Shell Development Company  
Exploration and Production Research Division

January 16, 1957

Professor Daniel I. Axelrod  
Department of Geology  
University of California  
Los Angeles 24, California

Dear Professor Axelrod:

Thanks for yours of the 10th. I'll plan to visit you on the 23rd and shall be at your office sometime rather early in the morning. I am looking forward to the opportunity of meeting you, to seeing some of your collections, and to discussing some of the problems of the future of the Paleobotanical Section. I am aware, of course, that you are not a member of the Section, though as a new secretary I have no knowledge of why you are not. As far as the Stanford meetings are concerned, I had in mind deputizing you as an affiliate member (an easy matter), if you could be prevailed upon to take part. The suggestion from Professor Chaney came in a phone conversation. This and other matters we can discuss next week.

Yours truly,

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

AT:rb

Shell Development Company  
Exploration and Production Research Division



25 February, 1966

Dr. William L. Ayres  
Provost  
Southern Methodist University  
Dallas, Texas

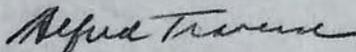
Dear Dr. Ayres:

It was good of you to spend some time with me during your busy schedule yesterday. I was much impressed by everybody's friendliness at S. M. U., and you were a major contributor to the impression.

I do hope that I satisfied you regarding my solemn pledge that the fact I am a clergyman would in no way be allowed to interfere with my performance as a member of your faculty. In some ways, my clerical status would help my performance, and that would be all to the good, but I can assure you once again that I would never in any way abuse my privileges as a professor on your staff.

Thanks again for your courtesy to me.

Yours very truly,

  
Alfred Traverse

Visiting Lecturer

May 8, 1970

Lic Carlos Azcuy  
Laboratorio de Palinologia  
Fac. Ciencias Naturales  
Peru 222, Buenos Aires  
Argentina

Dear Mr. Azcuy:

Thank you for the reprint of your paper on Carboniferous spores from Argentina, which I am glad to have for my reference collection. I enclose some reprints of mine which you may find of interest. I am glad you are joining the Association of Stratigraphic Palynologists. We have members now in many parts of the Americas, and welcome you and other Argentine palynologists warmly.

Yours very truly,

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

AT/mrw

Enclosures: Reprints